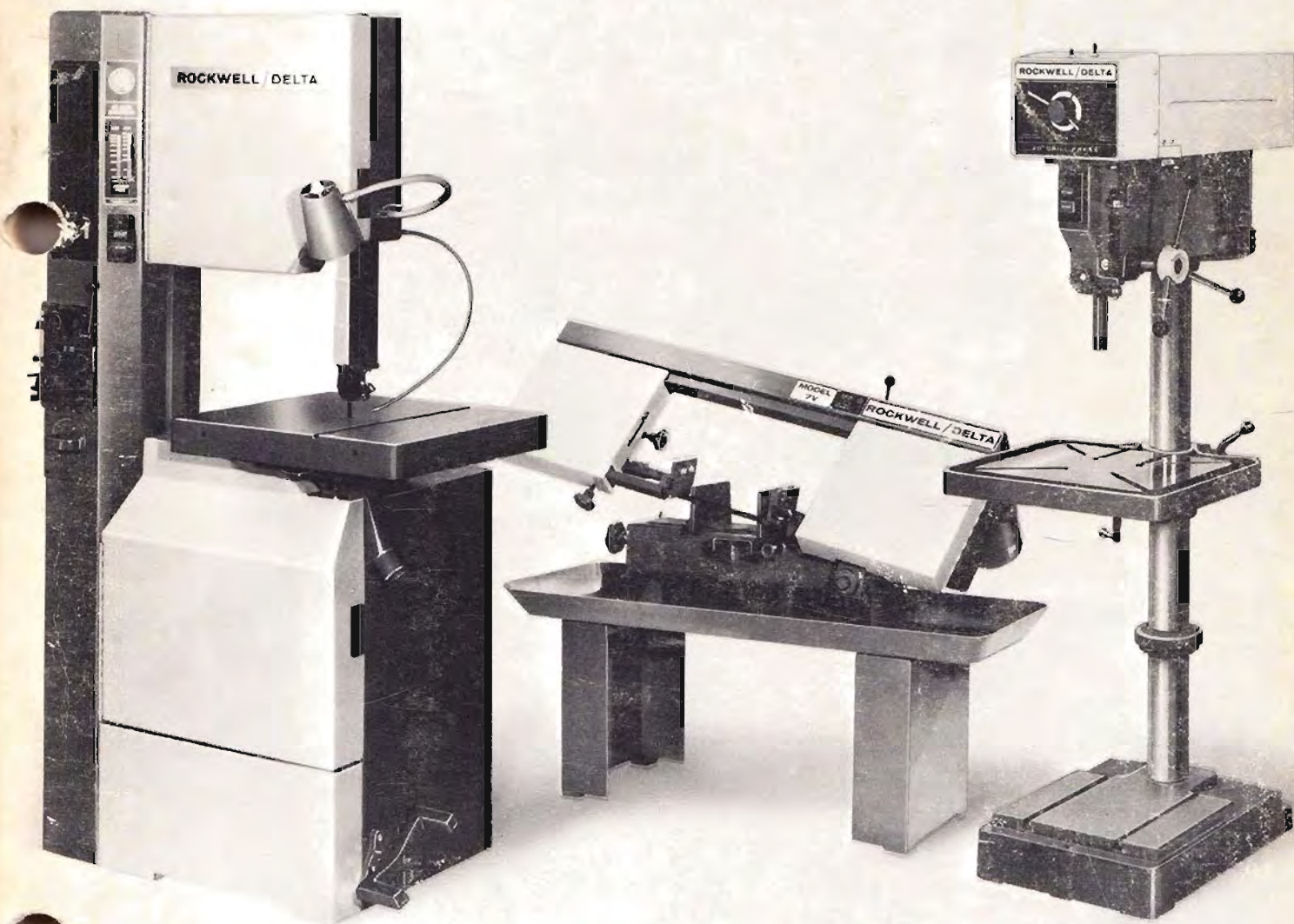


ROCKWELL DELTA INDUSTRIAL MACHINERY



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NOTE TO NIDA-SIDA MEMBERS:

This edition of the Rockwell Delta Catalog lists numbers that are compatible with the National Industrial Distributors Association and Southern Industrial Distributors Association standard numbering system as suggested by your Modern Methods Committee. It meets EDP requirements. Note that where a number has been changed to be compatible with this system, the prior or "old" number is also listed. Since both "old" and "new" numbers are listed in the numerical index, you will be able to locate the item you require in this catalog without the inconvenience of referring to a cross-reference list. Number 8143 is the manufacturer's code number assigned to the Power Tool Division of Rockwell Manufacturing Company by the NIDA-SIDA Modern Methods Committee.

FOR ROCKWELL WARRANTY, SEE INSIDE BACK COVER.

Rockwell Delta Industrial Machines are manufactured and sold under the following patents either owned by Delta or under which Delta is licensed. Other U. S. and foreign patents are pending:

D-185,061; D-185,922; D-195,735; D-184,835; D-180,929;
D-195,735; 2,567,982; 2,585,025; 2,604,126; 2,630,845;
2,695,637; 2,754,898; 2,758,617; 2,773,395; 2,773,524;
2,792,036; 2,804,107; 2,827,085; 2,830,628; 2,842,171;
2,861,536; 2,866,348; 2,873,776; 2,876,669; 2,885,897;
2,887,924; 2,888,707; 2,944,376; 2,947,197; 2,955,007;
2,956,595; 2,970,495; 2,995,961; 3,021,879; 3,055,236;
3,064,487; 3,067,788; 3,068,723; 3,095,673; 3,106,116;
3,109,319; 3,118,325; 3,128,661; 3,146,628; 3,156,127;
3,177,977; 3,206,860. Canada: 790,451; 544,356; 585,901;
460,144; 619,716; 644,675. Argentina: 93,534. Australia:
163,736. Belgium: 524,127; 545,635. France: 1,090,823;
1,148,823. Great Britain: 749,613; 789,045; 692,317;
723,519; 705,405. Germany: 1,806,970. Holland: 89,901.
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The right is reserved to make changes in design or equipment of any item, without incurring any obligation to install these on machines previously sold, and to discontinue models of machines, motors or accessories at any time without notice.

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17-600	A3	4	20-846	B1	4	23-214	C3	2	28-032	J7	1	31-371	C8	4	34-254	G3	4
17-601	A3	4	20-847	B1	4	23-215	C3	2	28-033	J7	1	31-372	C8	4	34-333	G6	1
17-602	A3	4	20-848	B1	4	23-217	C7	2	28-034	J7	1	31-373	C8	4	34-334	G6	1
17-603	A3	4	20-849	B1	4	23-218	C7	2	28-036	J7	1	31-374	C8	4	34-390	G1	3
17-605	A3	4	20-900	J1	3	23-220	C3	2	28-038	J7	1	31-375	C8	4	34-395	G1	3
17-606	A3	4	20-902	J1	3	23-221	C3	2	28-040	J7	1	31-376	C8	4	34-426	G3	3
17-607	A3	4	20-903	J1	3	23-222	C3	2	28-045	J7	1	31-401	E1	3	34-427	G3	4
17-608	A3	4	20-904	J1	3	23-233	C7	2	28-046	J7	1	31-403	E1	3	34-428	G3	4
17-610	A3	4	20-905	J1	3	23-234	C7	2	28-047	J7	1	31-404	E1	3	34-429	G3	4
17-611	A3	4	20-906	J1	3	23-239	C7	2	28-048	J7	1	31-405	E1	3	34-430	G3	4
17-612	A3	4	20-907	J1	3	23-240	C3	2	28-050	J7	1	31-425	D1	1	34-453	G3	4
17-613	A3	4	20-908	J1	3	23-241	C7	2	28-052	J7	1	31-427	E2	3	34-460	G2	3
17-614	A3	4	20-910	J2	1	23-242	C7	2	28-058	J7	2	31-428	E2	3	34-461	G2	3
17-615	A3	4	20-940	J2	1	23-243	C7	2	28-060	J7	2	31-431	D1	1	34-465	G2	3
17-616	A3	4	20-949	J2	1	23-244	C3	2	28-062	J7	2	31-438	D1	1	34-466	G2	3
17-617	A3	4	22-128	K5	1	23-249	C7	2	28-064	J7	2	31-505	E1	3	34-472	G2	4
17-630	A3	4	22-161	K2	4	23-251	C7	2	28-200	J5	2	31-515	E1	3	34-521	G1	4
17-631	A3	4	22-163	K2	4	23-261	C7	2	28-285	J5	2	31-520	E1	3	34-525	G2	4
17-632	A3	4	22-171	K2	4	23-262	C7	2	28-297	J5	2	31-710	E3	3	34-545	G3	4
17-633	A3	4	22-173	K2	4	23-263	C7	2	28-300	J6	2	31-715	E3	3	34-562	G6	1
17-635	A3	5	22-181	K2	4	23-267	C3	3	28-340	J3	4	31-803	D1	1	34-568	E1	3
17-640	A3	4	22-183	K2	4	23-268	C7	2	28-345	J4	2	31-804	C4	4	34-601	G4	3
17-641	A3	4	22-191	K2	4	23-280	C2	4	28-353	J1	4	31-856	D1	1	34-614	G4	3
17-642	A3	4	22-193	K2	4	23-292	C7	3	28-354	J1	4	31-875	D1	1	34-636	G4	3
17-643	A3	4	22-201	K2	2	23-293	C7	3	28-355	J5	1	31-876	D1	1	34-639	G2	4
17-650	A3	4	22-203	K2	2	23-294	C2	4	28-387	J6	2	31-877	D1	1	34-641	G3	4
17-651	A3	4	22-207	K2	2	23-296	C3	3	28-390	J6	2	33-001	I5	1	34-643	G4	3
17-652	A3	4	22-212	K2	2	23-312	C2	4	28-700	J7	2	33-002	I5	1	34-644	G4	3
17-653	A3	4	22-215	K2	2	23-501	C4	2	28-701	J7	2	33-003	I5	1	34-645	G4	3
17-660	A3	4	22-216	K2	2	23-502	C4	2	28-702	J7	2	33-004	I5	1	34-646	G4	3
17-661	A3	4	22-218	K2	2	23-504	C4	2	28-703	J7	2	33-005	I5	1	34-647	G4	3
17-662	A3	4	22-219	K2	2	23-509	C4	2	28-704	J7	2	33-174	G1	4	34-648	G4	3
17-663	A3	4	22-221	K2	2	23-511	C7	3	28-705	J7	2	33-179	G1	4	34-649	H1	1
17-680	A3	4	22-222	K2	2	23-521	C4	2	28-708	J7	2	33-180	G1	4	34-652	H1	2
17-681	A3	4	22-223	K2	2	23-522	C4	2	28-709	J7	2	33-182	G1	4	34-661	G4	3
17-682	A3	4	22-224	K2	2	23-524	C4	2	28-710	J7	2	33-183	I5	1	34-662	G4	3
17-683	A3	4	22-227	K2	2	23-612	C5	2	28-711	J7	2	33-184	I5	1	34-663	G4	3
17-690	A3	4	22-228	K2	2	23-620	N2	4	28-712	J7	2	33-186	I5	1	34-671	G4	3
17-691	A3	4	22-229	K2	2	23-621	N2	4	28-725	J7	1	33-197	I5	1	34-707	G2	4
17-692	A3	4	22-230	K2	2	23-632	C3	3	28-726	J7	1	33-198	G4	4	34-708	G5	3
17-693	A3	4	22-250	K2	2	23-636	C6	2	28-727	J7	1	33-199	G1	4	34-709	G5	4
17-763	A3	5	22-251	K2	2	23-637	C3	3	28-728	J7	1	33-202	G1	4	34-813	G6	1
17-764	A3	5	22-252	K2	2	23-638	C3	3	28-729	J7	1	33-203	I5	1	34-821	G6	1
17-801	A3	5	22-253	K2	2	23-661	C7	3	28-730	J7	1	33-204	I5	1	34-832	G1	4
17-802	A8	2	22-300	K4	2	23-662	C7	3	28-731	J7	1	33-212	G6	1	34-840	G2	4
17-818	A3	5	22-401	K3	2	23-663	C4	4	28-732	J7	1	33-223	G5	3	34-841	G2	4
17-819	A3	3	22-420	K5	1	23-664	C2	4	28-740	J7	2	33-227	G5	3	34-842	G1	4
17-820	A8	1	22-422	K5	1	23-800	C5	3	28-741	J7	2	33-228	G1	4	34-843	G2	4
17-822	A8	1	22-423	K5	1	23-801	C2	3	28-742	J7	2	33-246	G1	4	34-862	M1	3
17-825	A8	2	22-424	K5	1	23-802	C7	3	28-743	J7	2	33-277	I5	1	34-873	J7	1
17-827	A3	5	22-425	K5	1	23-803	C2	3	28-744	J7	2	33-278	I5	1	34-884	E1	3
17-836	A8	2	22-426	K5	1	23-805	C2	4	28-745	J7	2	33-279	I5	1	34-885	G2	4
17-860	A8	2	22-500	K1	4	23-815	C3	3	28-750	J7	2	33-282	I5	2	34-886	G3	4
17-862	A8	2	22-501	K5	1	23-816	C3	3	28-751	J7	2	33-304	I5	1	34-891	G3	3
17-880	A8	2	22-502	K5	1	23-817	C2	4	28-752	J7	2	33-307	I5	1	34-892	G3	3
20-100	B1	3	22-503	K1	4	23-818	C2	4	28-753	J7	2	33-446	I5	1	34-893	G3	3
20-216	B1	4	22-504	K5	1	23-819	C2	4	28-754	J7	2	33-449	I5	1	34-925	G1	4
20-220	B1	4	22-800	K5	1	23-820	C2	4	28-810	J7	1	33-450	I5	1	34-930	G1	4
20-221	B1	4	22-802	K5	1	23-825	C3	3	28-826	J7	2	33-471	I5	1	34-931	G1	4
20-222	B1	4	22-803	K5	1	23-826	C7	3	28-836	J7	1	33-521	I5	2	34-932	G1	4
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35-101	I5	2	41-033	J7	1	43-192	M1	4	43-703	M3	5	46-690	N4	2	49-173	J7	1
35-102	I5	2	41-034	J7	1	43-193	M1	3	43-704	M3	5	46-692	N4	2	49-178	O1	1
35-103	I5	2	41-042	N1	3	42-194	M1	3	43-705	M3	5	46-694	N4	2	49-179	O1	1
35-104	I5	2	41-043	N1	3	43-195	M1	3	43-706	M3	5	46-695	N4	2	49-195	O1	1
35-106	I5	2	41-044	N1	3	43-196	M1	3	43-707	M3	5	46-697	N4	2	49-196	O1	1
35-110	I5	2	41-052	K4	3	43-198	M1	4	43-708	M3	5	46-801	N4	1	49-203	G5	3
35-120	I5	2	41-053	F1	4	43-205	M1	3	43-709	M3	5	46-802	N4	1	49-225	E3	4
35-121	I5	2	41-054	K4	3	43-206	M1	3	43-710	M3	5	46-803	N4	1	49-226	O2	2
35-123	I5	2	41-062	O1	1	43-210	M1	4	43-711	M3	5	46-804	N4	1	49-228	O2	2
35-126	I5	2	41-063	O1	1	43-211	M1	4	43-712	M3	5	46-805	N4	2	49-229	O2	2
35-131	I5	2	41-064	O1	1	43-212	M1	4	43-713	M3	5	46-815	I5	1	49-230	K4	3
35-190	I5	2	41-072	O1	1	43-213	M1	4	43-714	M3	5	46-817	I5	1	49-231	O2	2
35-196	I5	2	41-073	O1	1	43-214	M1	4	43-716	M3	5	46-832	A8	2	49-233	O2	2
35-197	I5	2	41-074	O1	1	43-301	M1	3	43-717	M3	5	46-836	I5	1	49-235	A2	5
35-198	I5	2	41-082	E1	3	43-340	M1	3	43-718	M3	5	46-837	A8	1	49-243	O2	2
35-201	I5	2	41-083	E1	3	43-342	M1	4	43-719	M3	5	46-838	A8	1	49-244	G5	4
35-202	I5	2	41-084	E1	3	43-343	M1	4	43-720	M3	5	46-840	N1	4	49-245	G5	4
35-204	I5	2	41-092	O1	1	43-345	M1	3	43-721	M3	5	46-841	A8	2	49-253	G5	4
35-211	I5	2	41-093	O1	1	43-346	M1	3	43-722	M3	5	46-847	A8	2	49-254	G5	4
35-221	I5	2	41-094	O1	1	43-347	M1	3	43-723	M3	5	46-850	N4	1	49-255	G5	4
35-222	I5	2	41-102	F3	2	43-348	M1	4	43-724	M3	5	46-905	N4	1	49-271	O1	1
35-223	I5	2	41-103	F3	2	43-349	M1	3	43-725	M3	5	46-916	N4	1	49-272	O1	1
35-224	I5	2	41-104	F3	2	43-354	M1	3	43-726	M3	5	46-933	N4	1	49-273	O1	1
35-236	I5	2	41-112	O1	1	43-502	M3	3	43-727	M3	5	46-934	N4	2	49-284	O1	1
35-237	I5	2	41-113	O1	1	43-503	M3	3	43-728	M3	5	46-935	N4	1	49-287	A8	3
35-238	I5	2	41-114	O1	1	43-510	M3	3	43-729	M3	5	46-936	N4	1	49-289	O1	1
35-241	I5	2	41-122	F2	4	43-511	M3	3	43-730	M3	5	46-937	N4	1	49-291	O1	1
35-242	I5	2	41-123	F2	4	43-517	M3	4	43-731	M3	5	46-938	N4	1	49-294	O1	1
35-243	I5	2	41-124	F2	4	43-601	M3	5	43-732	M3	5	46-939	N4	1	49-303	O1	1
35-245	I5	2	41-134	M1	3	43-602	M3	5	43-733	M3	5	46-940	N4	1	49-304	O1	2
35-247	I5	2	41-136	M1	3	43-603	M3	5	43-734	M3	5	46-950	N4	1	49-306	O1	2
37-220	F2	3	41-140	M1	3	43-604	M3	5	43-735	M3	5	46-951	N4	1	49-307	O1	2
37-221	F2	3	41-142	O1	1	43-605	M3	5	43-736	M3	5	46-954	N4	1	49-313	D1	2
37-225	F2	3	41-143	O1	1	43-606	M3	5	43-737	M3	5	46-961	N4	1	49-315	C8	3
37-251	F4	2	41-144	O1	1	43-607	M3	5	43-738	M3	5	46-963	N4	1	49-316	Q1	1
37-290	F4	2	41-152	O1	1	43-608	M3	5	43-739	M3	5	46-966	N4	1	49-320	O1	2
37-305	F1	4	41-153	O1	1	43-609	M3	5	43-740	M3	5	46-968	A8	3	49-322	O1	2
37-308	F1	4	41-154	O1	1	43-610	M3	5	43-804	M2	2	49-000	O1	4	49-323	O1	2
37-315	F1	3	41-162	O1	1	43-611	M3	5	43-805	M2	2	49-025	A8	3	49-324	O1	2
37-522	F2	4	41-163	O1	1	43-612	M3	5	43-817	M2	2	49-034	O1	1	49-330	Q1	1
37-600	F3	2	41-164	O1	1	43-613	M3	5	43-826	M1	3	49-035	O1	1	49-331	Q1	1
37-601	F3	2	41-174	O1	1	43-614	M3	5	43-828	M1	3	49-051	A8	3	49-333	O1	2
37-602	F3	2	41-175	O1	1	43-615	M3	5	43-830	M1	3	49-052	F1	3	49-334	O1	2
37-659	F2	3	41-177	O1	1	43-616	M3	5	43-900	M1	4	49-053	F1	3	49-340	O1	1
37-661	F2	3	41-194	O1	1	43-617	M3	5	43-901	M1	4	49-054	F1	3	49-354	D1	1
37-802	F4	2	41-195	O1	1	43-618	M3	5	43-935	M2	2	49-055	F1	3	49-357	Q1	1
37-806	F4	2	41-197	O1	1	43-619	M3	5	43-937	M1	3	49-056	F1	3	49-358	O1	2
37-807	F2	4	41-203	G3	4	43-620	M3	5	43-982	M2	2	49-057	F1	3	49-359	O1	2
37-808	F2	4	41-517	K5	1	43-621	M3	5	43-983	M1	3	49-058	F1	3	49-360	H1	1
37-810	F1	4	41-610	O1	1	43-622	M3	5	43-990	I5	1	49-059	F1	3	49-362	G5	4
37-815	F1	4	41-627	O1	1	43-623	M3	5	46-038	A8	2	49-060	F1	3	49-363	C8	4
37-816	F1	4	41-637	O1	1	43-624	M3	5	46-048	A8	2	49-061	F1	3	49-364	G3	4
37-820	F2	4	41-644	G2	4	43-625	M3	5	46-121	N4	1	49-062	F1	3	49-365	F3	2
40-058	L1	4	41-702	O1	1	43-626	M3	5	46-122	N4	1	49-063	F1	3	49-370	O1	2
40-159	L1	4	41-703	O1	1	43-627	M3	5	46-123	N4	1	49-064	F1	3	49-385	C8	3
40-160	L1	4	41-704	O1	1	43-628	M3	5	46-124	N4	1	49-065	F1	3	49-387	O1	1
40-161	L1	4	41-707	J7	2	43-629	M3	5	46-125	N4	1	49-066	F1	3	49-399	Q1	4
40-164	L1	4	41-708	J7	2	43-630	M3	5	46-126	N4	1	49-067	F1	3	49-403	A4	4
40-165	L1	4	41-712	J7	1	43-631	M3	5	46-127	N4	1	49-083	G5	3	49-410	Q1	2
40-184	L1	4	41-713	J7	1	43-632	M3	5	46-128	N4	1	49-085	C1	6	49-415	A8	3
40-185	L1	4	41-714	J7	1	43-633	M3	5	46-130	N4	1	49-091	A8	3	49-417	Q1	1
40-187	L1	4	41-722	O1	1	43-634	M3	5	46-138	A8	2	49-092	A8	3	49-435	N4	2
40-188	L1	4	41-723	O1	1	43-635	M3	5	46-144	N4	2	49-093	A8	3	49-436	A2	6
40-191	L1	4	41-724	O1	1	43-636	M3	5	46-145	N4	2	49-094	O1	1	49-437	A2	6
40-192	L1	4	41-732	N2	3	43-637	M3	5	46-163	N4	2	49-096	O1	1	49-444	A3	4
40-193	L1	4	41-733	N2	3	43-638	M3	5	46-164	N4	2	49-101	M1	3	49-445	A3	4
40-194	L1	4	41-734	N2	3	43-639	M3	5	46-171	N4	2	49-104	K4	2	49-449	A4	4
40-195	L1	4	41-746	G1	4	43-640	M3	5	46-200	N2	3	49-105	A8	3	49-503	E2	3
40-196	L1	4	41-747	G1	4	43-641	M3	5	46-201	N2	3	49-108	A2	5	49-508	Q1	4
40-198	L1	4	41-748	G1	4	43-642	M3	5	46-248	A8	2	49-109	A2	5	49-510	O1	1
40-202	L1	4	41-772	A8	3	43-643	M3	5	46-338	A8	2	49-111	J7	1	49-513	Q1	1
40-203	L1	4	41-773	A8	3	43-644	M3	5	46-430	N4	2	49-112	K5	1	49-514	Q1	1
40-204	L1	4	41-812	A8	2	43-645	M3	5	46-431	N4	2	49-115	O1	1	49-517	Q1	4
40-207	L1	4	41-813	A8	2	43-647	M3	5	46-439	N4	1	49-121	O1	1	49-520	C2	4
40-440	L1	3	41-814	A8	2	43-648	M3	5	46-440	N4	2	49-124	G2	4	49-527	C2	4
40-442	L1	4	41-815	A8	2	43-649	M3	5	46-450	N1	3	49-130	O1	1	49-529	C2	4
40-443	L1	3	41-822	A8	2	43-650	M3	5	46-468	N4	2	49-131	J7	2	49-530	Q1	4
40-444	L1	4	41-823	A8	2	43-651	M3	5	46-490	N4	1	49-132	J7	2	49-531	C2	4
40-446	L1	3	41-824	A8	2	43-652	M3	5	46-491	N4	1	49-135	F1	4	49-532	C2	3
40-447	L1	3	41-825	A8	2	43-653	M3	5	46-492	N4	1	49-140	O1	1	49-533	D1	1
40-703	L1	4	41-832	A3	3	43-654</											

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49-619	D1	2	49-864	N2	4	52-026	A7	2	52-382	E3	3	70-589	A2	4	87-041	P1	2
49-620	D1	2	49-889	F2	3	52-027	A7	2	52-384	E3	3	70-590	A2	4	87-043	P1	2
49-633	A6	2	49-890	F2	3	52-028	A7	2	52-385	E3	3	70-591	A2	4	87-044	P1	2
49-638	Q1	4	49-891	F2	3	52-030	A7	2	52-386	E3	3	70-592	A2	4	87-047	P1	2
49-644	O1	1	49-892	F2	3	52-031	A7	2	52-439	J3	4	70-593	A2	4	87-048	P1	2
49-664	Q1	3	49-893	F2	3	52-033	C1	5	52-440	J3	4	70-594	A2	4	87-070	P1	2
49-665	A6	2	49-895	F2	3	52-036	C1	5	52-441	J3	4	70-595	A2	4	87-130	P1	2
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49-836	N1	3	50-821	G5	4	52-341	M1	3	66-135	P1	2	86-530	P1	2			
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Rockwell Delta Industrial Machines safety designed with you in mind

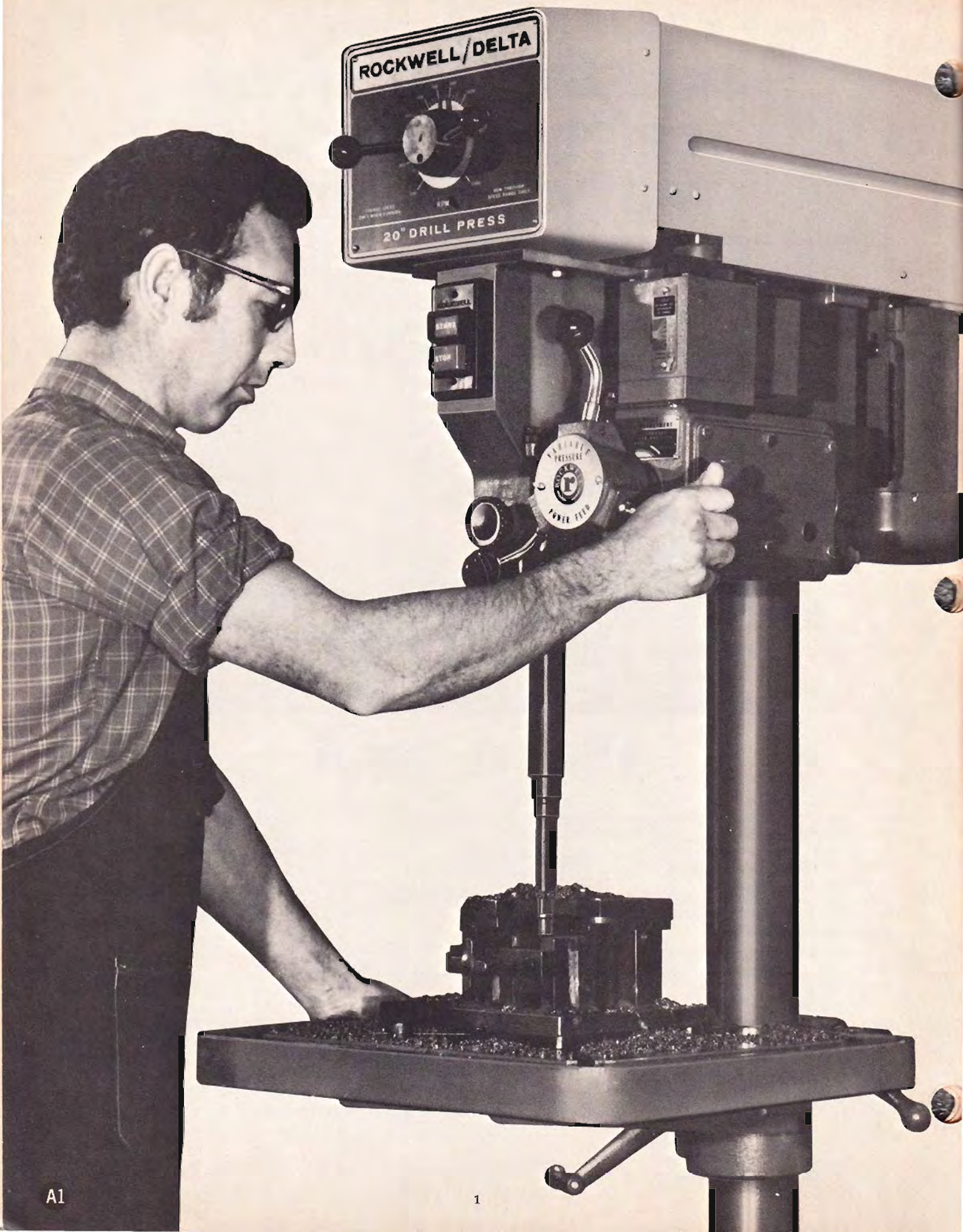


Play it safe!

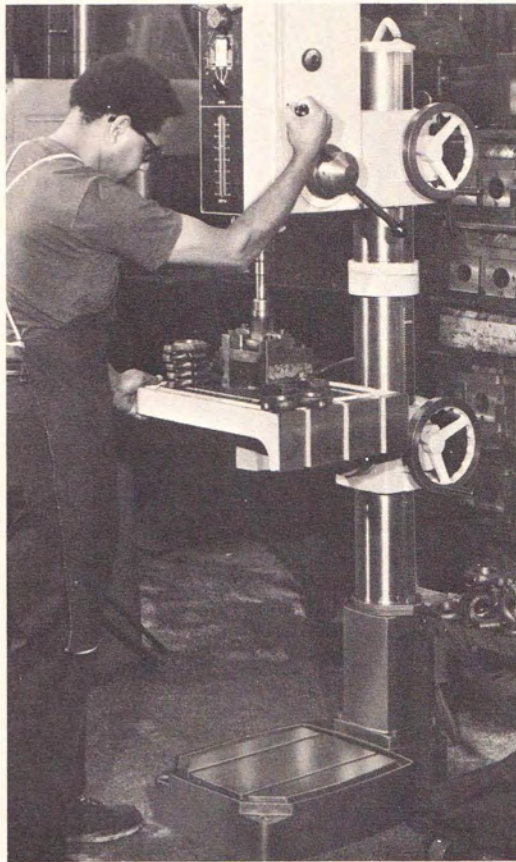
Rockwell Delta Industrial Machines are built to the highest quality standards, and they are scientifically designed for maximum operator safety. Take advantage of their built-in protective features by observing the following safety rules:

1. Read the instruction manual thoroughly before operating the power tool.
2. If you are not familiar with the operation of the tool, obtain advice from your supervisor, instructor, or other qualified operator.
3. Remove tie, rings, watch and other jewelry and roll up sleeves. *Do not wear loose clothing.*
4. Always wear safety glasses or a face shield.
5. Keep safety guards in place and use them at all times.
6. Be sure the shop has adequate ventilation and lighting, especially in the area of the cutting tool on the machine.
7. Always make sure the power tool is properly grounded.
8. Always make sure the cutting tool is sharp and correctly positioned.
9. Always keep the work area clean. *Avoid cluttered areas.*
10. Remove adjusting keys and wrenches before turning on the power.
11. Always disconnect the tool from the power source when making repairs or adjustments.
12. Never start or run an electric tool when there is any danger of fire or explosion due to the presence of inflammable or explosive materials.

We strongly urge that you carefully read the Operating Suggestions and Safety Instructions furnished with each machine. Additional instructional manuals are available on request to replace lost or misplaced manuals. Remember, safety begins with the manufacturer but ends with you, the user!



Step Up Productivity!



**Choose ROCKWELL DELTA . . .
Most Complete Line of Drilling
Machines in the World!
Select From 200 "Engineered-for-
Industry" Models.**

What's your job—drilling, reaming, spot facing, counterboring? Whatever it is, ROCKWELL DELTA has a drilling machine to suit your exact production requirement.

Models vary from geared head to belt drive in step pulley or variable speed with hand, mechanical or air feed. You can select bench, floor or overhead models in single or multiple spindle set-ups with No. 4, No. 3 or No. 2 M.T. spindle or key chuck spindle. Drilling diameters range from $1\frac{3}{8}$ " in mild steel on Geared Head Models to .0135" (#80) on 14" Super-Hi Sensitive Models.

In addition, look into the modern features built into every ROCKWELL DELTA Drilling Machine. These features guarantee long service life, consistent precision performance and maximum operating economy.

Let us show you a ROCKWELL DELTA "productivity builder" in action today!

New Rockwell EFI Geared Head Drilling Machines

ROCKWELL QUALITY FEATURES

A. Convenient Controls. All Controls are located up front where they are easy to read and convenient to operate.

B. Head Raising Handwheel. Head on Series EFI-2 Models may be easily raised or lowered by worm gear controlled handwheel which prevents head from dropping when holding levers are unlocked. Head also may be rotated around column when desired.

C. Flexible Spindle Control; Feed Rate Selector (Series EFI-2). Spindle can be operated by hand feed or power feed simply by positioning feed control "out" for hand feed and "in" for power feed. Power feed rates of .004, .006 or .010 ipr are selected by turning feed selector to desired feed rate.

D. Extra Long Quill Travel (Series EFI-2). Husky quill provides a full 6 $\frac{3}{4}$ " stroke for deep hole skip or gang drilling, or for clearing jigs and fixtures.

E. Fast Speed Selection. Any of 12 speeds (90 to 3360 RPM on Series EFI-2) or 8 speeds (150 to 3360 RPM on Series EFI-1) can be quickly selected simply by switching motor to low or high range and selector to desired speed.

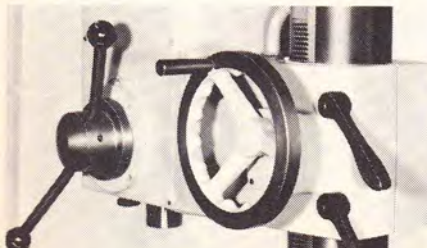
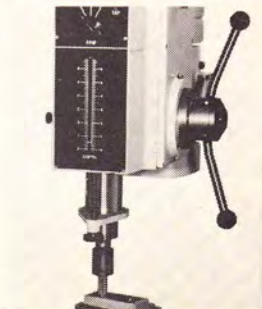
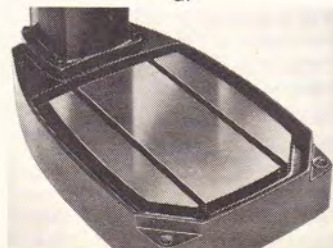
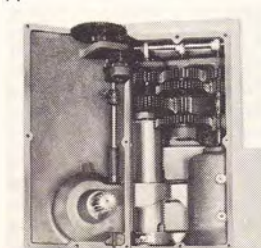
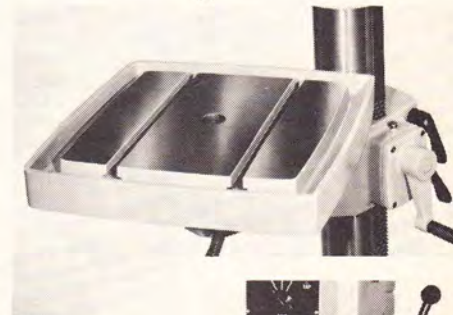
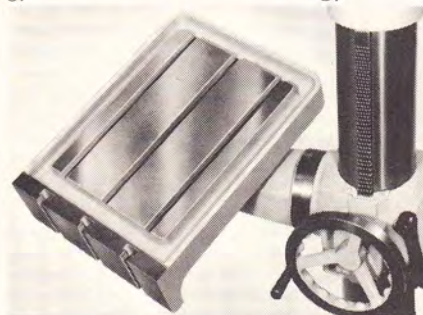
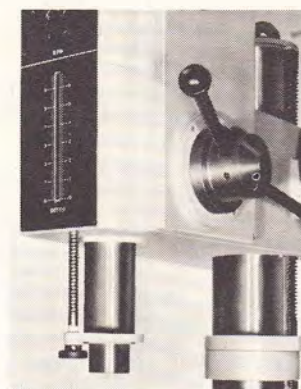
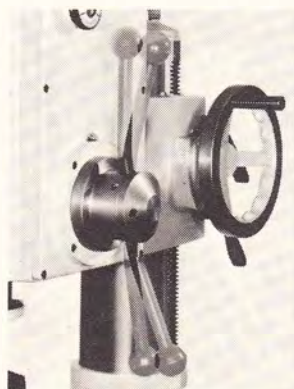
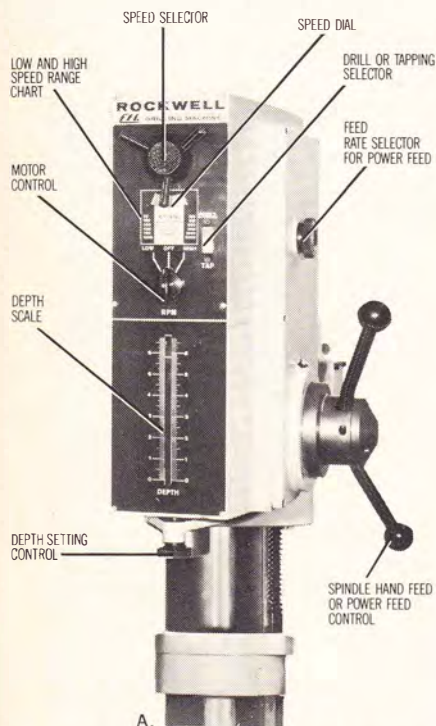
F. Angle Plate Table (Series EFI-2). Husky 15" x 20" T-slot table with coolant trough has apron at right angle to top surface for angle drilling. Easily raised or lowered by a worm gear operated handwheel, table can be rotated 360° around the column or calibrated arm.

G. Versatile Table (Series EFI-1). 15 $\frac{3}{8}$ " x 15 $\frac{3}{8}$ " T-slot table, with coolant trough, can be rotated 60° right or left, or locked in any position. Table can be raised or lowered quickly by means of worm gear mechanism.

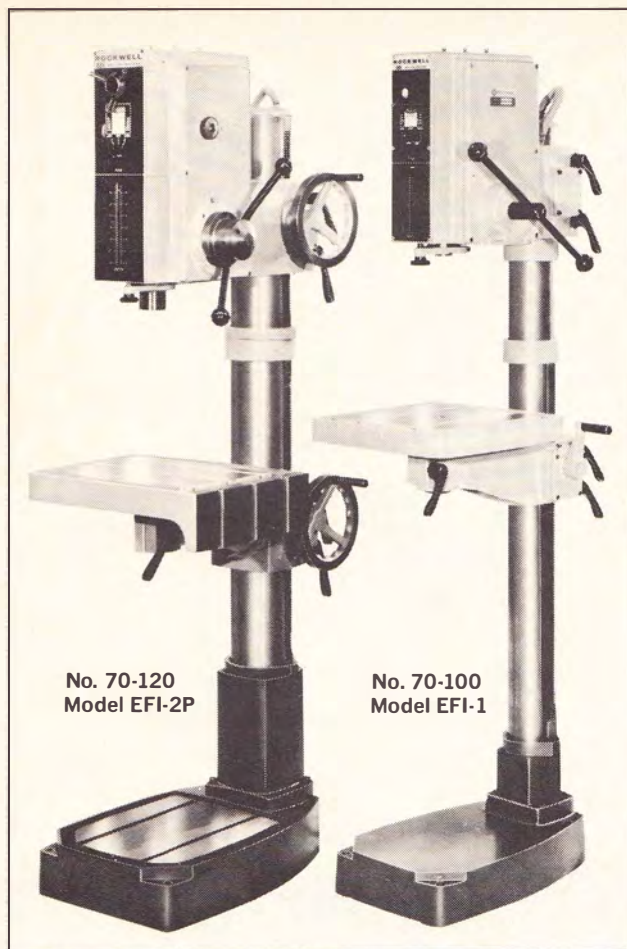
H. Rugged Gear Train Drive (Series EFI-2). (Right) Cam operated, massive gear train provides wide range speed reduction for greater torque at the spindle. (Left) Power feed, with feed rates of .004, .006 and .010 ipr, is engaged through cross movement by either of the two feed levers. Safety slip clutch provides protection against overloading.

I. Massive Base. Large 16 $\frac{1}{4}$ " x 25 $\frac{3}{4}$ " machined base on Series EFI-2 Models has T-slots and coolant trough, making it suitable for handling large workpieces.

J. Adjustable Tapping Feature. By selecting tapping mode, the Rockwell EFI-2T Model, with automatic spindle reversing system, can be used for tapping right- or left-hand threads. Using the depth scale, the tapping control switch automatically reverses the spindle when the selected depth is reached. This feature eliminates the need for costly and time consuming tapping attachments.

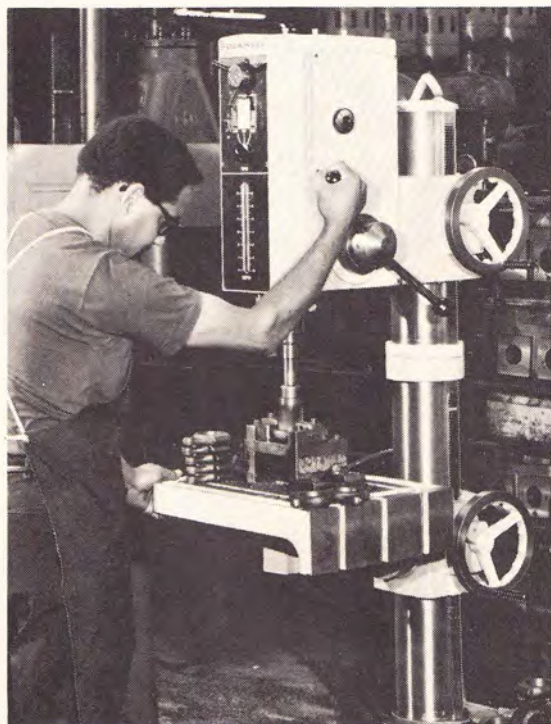


NEW ROCKWELL EFI GEARED HEAD DRILLING MACHINES



No. 70-120
Model EFI-2P

No. 70-100
Model EFI-1



Engineered for industry, Rockwell EFI Drilling Machines offer wide versatility . . . big drill capacity with precision accuracy and high metal removal rates . . . easy handling . . . centralized controls.

Choose From 4 Geared Head Models Available With Hand Feed, Power Feed or Power Feed With Tapping Control

No matter which Rockwell EFI model you select, you get a massively built, precision drilling machine. And you get big capacities, too. Drilling diameters range up to 1 3/8" in mild steel, quill travel to 6 3/4". You get positive, geared head drive on all models plus fast speed selection. For greater production, you can choose the work saving power feed and the automatic tapping system for both right- and left-hand threads.

There are other important features, too, like the swivel-type T-slot tables with worm gear raising mechanism . . . heads that rotate easily around the column . . . two-speed motors . . . and much more.

These are just a few reasons why Rockwell EFI Drilling Machines are ideal for big capacity jobs in machine shops, tool rooms, experimental departments, production lines, or wherever big hole drilling to close tolerances is required.

MACHINE DATA

		EFI-2, 2P and 2T
Model No.	EFI-1	
Capacities:		
Steel	1"	1 3/8"
Cast Iron	1 1/4"	1 1/2"
Center of Spindle to Column	8 7/8"	12 3/16"
Quill Stroke	4 5/16"	6 3/4"
Spindle Taper	No. 3 Morse	No. 4 Morse
Spindle Speeds . . . . .	.8—150 to 3360 RPM	12—90 to 3360 RPM
Motor:		
Voltage and Phase	230 or 460 V, 3 Phase with Overload (Specify Voltage)	230 or 460 V, 3 Phase with Overload (Specify Voltage)
Speeds	Two	Two
Horsepower	1.0/8	1.9/1.3
Maximum Distance:		
Base to Quill	49 3/4"	51 9/16"
Table to Quill	32"	28 17/32"
Base Dimension	13" x 20 1/2"	16 1/8" x 25 3/4"
Table Dimension	15 3/4" x 15 3/4" with Coolant Trough	15" x 20" L Angle with Coolant Trough
Column Diameter	3 15/16"	5 1/2"
Net Weight	450 lbs.	835 lbs.
Shipping Weight	575 lbs.	1100 lbs.

CATALOG LISTING

No. 70-100—Model EFI-1 1" Capacity* Geared Head Drilling Machine. Includes Basic Machine, Ready to Run, with Two-Speed Motor with Overload, Table Raising Mechanism, Drift Key, Operating Manual and Wrenches. 450 Lbs.

No. 70-110—Model EFI-2 1 3/8" Capacity* Geared Head Drilling Machine. Includes Basic Machine, Ready To Run, with Two-Speed Motor with Overload, Head and Table Raising Mechanism, Drift Key, Operating Manual and Wrenches. 825 Lbs.

No. 70-120—Model EFI-2P 1 3/8" Capacity* Geared Head Drilling Machine. Same As 70-110, Except Includes Power Feed. 835 Lbs.

No. 70-130—Model EFI-2T 1 3/8" Capacity* Geared Head Drilling Machine. Same As 70-110, Except Includes Power Feed and Tapping Feature. 838 Lbs.

*Capacity in mild steel.

For Drilling Machine Accessories, See Section A8; for Coolant Equipment, See Section D1.

New Rockwell Delta Series 2000 Drilling Machines

ROCKWELL DELTA QUALITY FEATURES THAT ASSURE TOP PERFORMANCE!

A. Unique, Full Power Transmission—Rockwell's pivot-type belt tensioning idler permits greater belt wrap on the jack-shaft pulley. The 1½" wide, "Poly V" belt transmits full power from the motor to the spindle at all speeds and provides extra long belt life.

B. Choice of Three Extra Wide Speed Ranges—Only Rockwell Delta's New Series 2000 Variable Speed Drilling Machine gives you a 10-to-1 speed ratio in three model variations with full power at the spindle at all speeds! You get the exact speed range you need for every drilling job—375 to 3750 RPM—200 to 2000 RPM—or 125 to 1250 RPM.

C. Exclusive Eight-Speed Range—The New Rockwell Delta Step Pulley Model is the only machine in its size that offers eight speeds with full HP at the spindle at all speeds! This is because Rockwell uses a standard 1725 RPM, single-speed dual-voltage motor. You get eight selected speeds in any of three speed ranges.

D. Fast Easy Speed Changes—Pivot-type motor mount on Series 2000 Step Pulley Models makes belt changing fast and easy. You get longer belt life, too, because belt tension is fully released before changing from one pulley speed to another.

E. Massive Head Construction—The head on the Series 2000 Drilling Machine is a rugged, one-piece casting more than 10" deep x 6" wide. This superior construction provides maximum rigidity, resulting in greater accuracy at the spindle.

F. "Self-Locking" Depth Stop—Unlike competitive depth stops, Delta's self-locking design guarantees that it will never change its setting, eliminating ruined work pieces. Set-ups are fast for absolute depth control. Stop is calibrated to show changes down to .002". BIG

QUILL TRAVEL—Provides a full 6" stroke . . . ample capacity for skip and gang drilling, counterboring and reaming large work. Note exceptionally large 2⅝" diameter quill.

G. Exclusive Rockwell Safety Control Station—Push buttons are color coded—green for "start" and red for "stop." Shrouded "start" button prevents accidental starts while "stop" button is extra large for quick, emergency stops. Switch cover and buttons are made of non-conductive material for added safety.

H. Specially Designed Production Table—Extra large table with 19¼ x 22" work surface, has both diagonal and parallel blind T-slots to facilitate clamping of jigs and fixtures.

ROCKWELL QUALITY EXTRAS

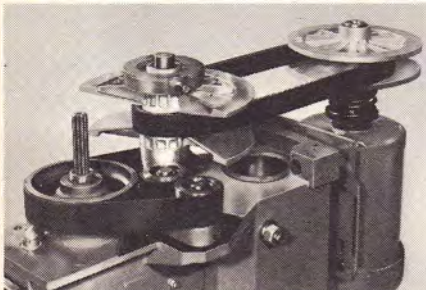
Eight Ball Bearings rigidly support variable speed drive and spindle on speed reduction models.

Ten-Spline Spindle is ¾" in diameter for greater torque transmission.

Large 2⅝" Diameter Quill is supported by three precision bored lands in head, providing extra smooth travel. Two 90°, individually adjustable plugs assure continued quill accuracy, even after long use.

New Quill Return Spring Adjustment can be safely and easily set in seconds to keep production moving.

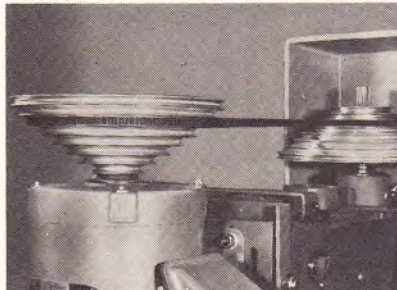
Long Columns provide extra big capacity for large work.



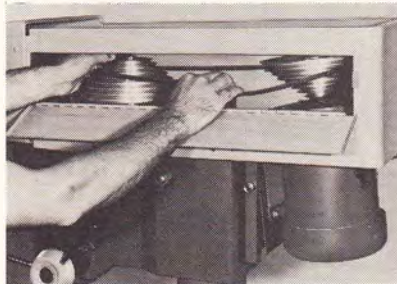
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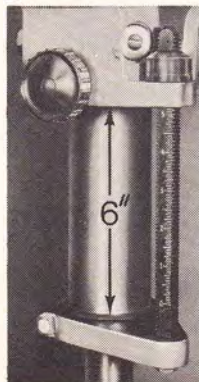
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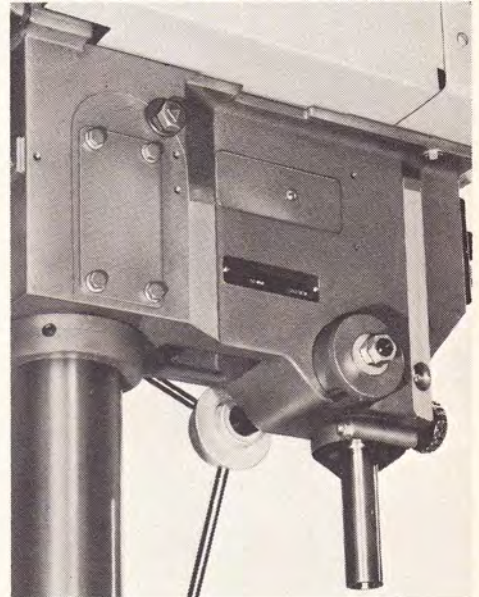
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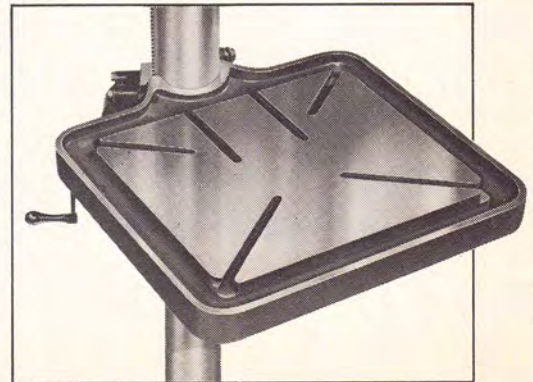
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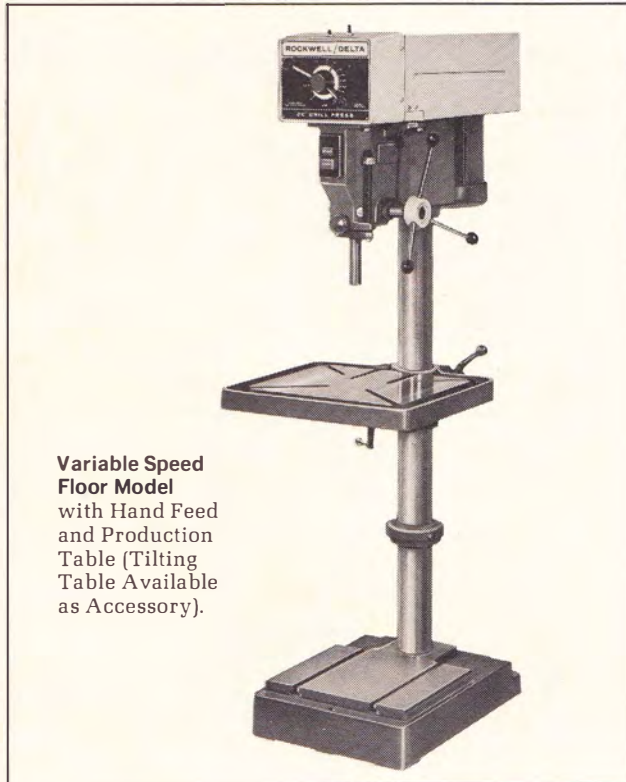
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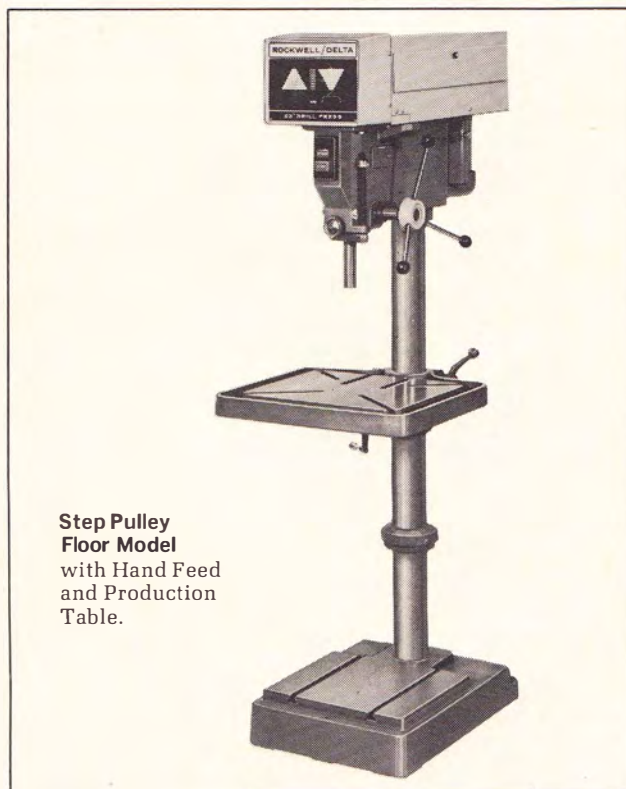
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NEW ROCKWELL DELTA SERIES 2000 DRILLING MACHINES

Select From 54 Variable Speed and Step Pulley Models and Match a Rockwell Delta Series 2000 to Your Exact Production Requirements.
(See Page 3 for Additional Models.)



Variable Speed Floor Model with Hand Feed and Production Table (Tilting Table Available as Accessory).



Step Pulley Floor Model with Hand Feed and Production Table.

All models furnished with choice of two types of feed—Hand Feed or the modern, wide range Vari-Rate Power Feed.

See Page 4 for ordering information.

Unique "Full Power" Rockwell Drive System Increases Your Production Capability . . . Gives You Full 1½ HP at the Spindle at Any Speed From 125 RPM to 4250 RPM!
You Get Maximum Capacity, too—1" Holes in Steel

You've got a lot more going for you with Rockwell Delta's New Series 2000 Drilling Machines. Here's why! The unique slow-speed drive system incorporates a belt tensioning idler for greater wrap-around of the multiple "V" belt on the jack-shaft pulley. You get "full power" transmission from the motor to the spindle. Rockwell's new drive is powered by a standard 1725 RPM, single-speed, dual-voltage motor. This adds up to a full 1½ HP at the spindle during both high and low speeds . . . not one-half the HP at low speed as with a two-speed motor.

Rockwell gives you the widest selection of speeds in the industry! You can choose from three speed ranges in both step pulley and variable speed models.

When you combine the above advantages with 6" spindle travel, 1" hole capacity in steel, plus hand or vari-rate power feed, you can see why Rockwell's New Series 2000 Drilling Machines deserve a place in your operation.

They are ideally suited for big capacity jobs in machine shops, tool rooms, experimental departments, production lines, vocational schools, or wherever big hole drilling to close tolerances is required.

Let us show you these "productivity builders" in action today!

MACHINE DATA

Overall Dimensions:

Bench Type	
Height . . .55"; Width . .23"; Front to Rear . .32½"	
Floor Type	
Height . .75"; Width . .22"; Front to Rear . .31½"	

Table Working Surface, Ground:

Tilting	16 x 18"
Production	
Overall	19¼ x 22"
Inside of Coolant Trough	15 x 18"
T-Slots (Six)	17/32"

Base Working Surface:

Bench Model	18 x 24"; Floor Model	13½ x 14¾"
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Quill:

Stroke (Manual Feed)	0 to 6"
Stroke (Power Feed)	½ to 6"
Diameter	2⅜"

Capacities:

Diameter Hole in Steel	1"; In Cast Iron	1⅛"
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Spindle Speeds:

Step Pulley Models (8 Speeds, 11.3-to-1 Ratio)	
Direct Drive	375, 600, 900, 1275, 1800, 2400, 3075, 4250 RPM
2-to-1 Reduction	200, 300, 450, 650, 900, 1200, 1550, 2000 RPM
3-to-1 Reduction	125, 200, 300, 425, 600, 800, 1025, 1250 RPM
Variable Speed Models (10-to-1 Ratio)	
Direct Drive	375 to 3750 RPM
2-to-1 Reduction	200 to 2000 RPM
3-to-1 Reduction	125 to 1250 RPM

Power Feed Models:

Feeds:	
Variable Rate Mechanical Type, From .002 to .020 ipr	
Feed Pressure:	
Infinitely Variable From 0 to Maximum Required	

Column:

Wall Thickness	½"; Diameter	3¾"
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Motor Plate:

Accommodates NEMA Frame Motors 143T and 145T	
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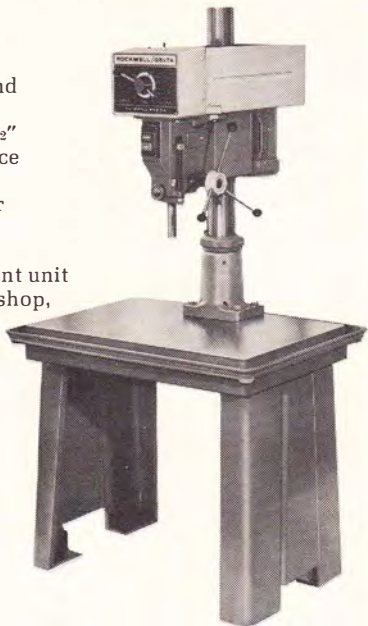
NEW ROCKWELL DELTA SERIES 2000 DRILLING MACHINES

Additional Series 2000 Models

(See Page 2 for Other Models.)

Variable Speed Floor Model

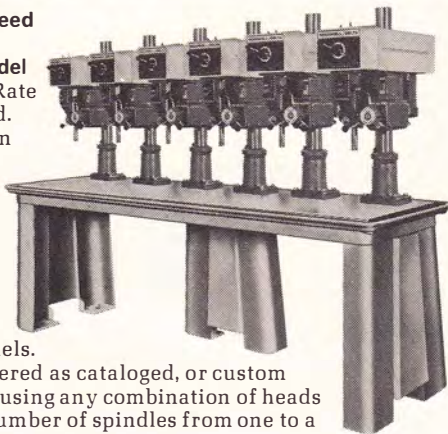
with Extra Large Production Table and Hand Feed. Spacious $24\frac{1}{2} \times 35\frac{1}{2}$ " table working surface makes machine especially suited for handling large dies, jigs, fixtures and patterns. An excellent unit for the tool and die shop, machine shop and pattern shop.



Variable Speed Multiple Spindle Model

with Vari-Rate Power Feed. Available in 2, 3, 4 or 6 spindles with hand or power feed in both Step Pulley and Variable Speed Models.

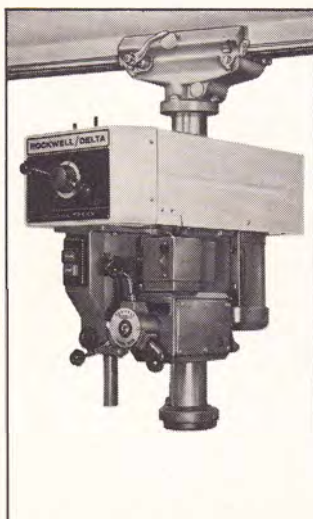
Can be ordered as cataloged, or custom assembled using any combination of heads with any number of spindles from one to a drill press a block long if desired.



Drill Heads for Overhead Models and for Special Set-ups. Using the basic Drill Head Models, the No. 20-761 Raising Mechanism and the No. 20-623 Column and Ball Bearing Carriage Assembly, you can readily build a versatile overhead set-up. Mounted on a jib crane or overhead track, the unit is especially practical for drilling large or heavy work or where 360° rotation is desired.

Because of their adaptability and big capacity, all drill heads can be used effectively in special set-ups to solve radial, angular, horizontal and other particular drilling problems.

All models furnished with choice of two types of feed—Hand Feed or the modern, wide range Vari-Rate Power Feed.



Rockwell Delta Series 2000 Drilling Machines Are Built to Deliver . . .

MORE IN PRODUCTIVITY!

MORE IN QUALITY PERFORMANCE!

MORE IN PROFITS!

POWER FEED—FACTORY MOUNTED

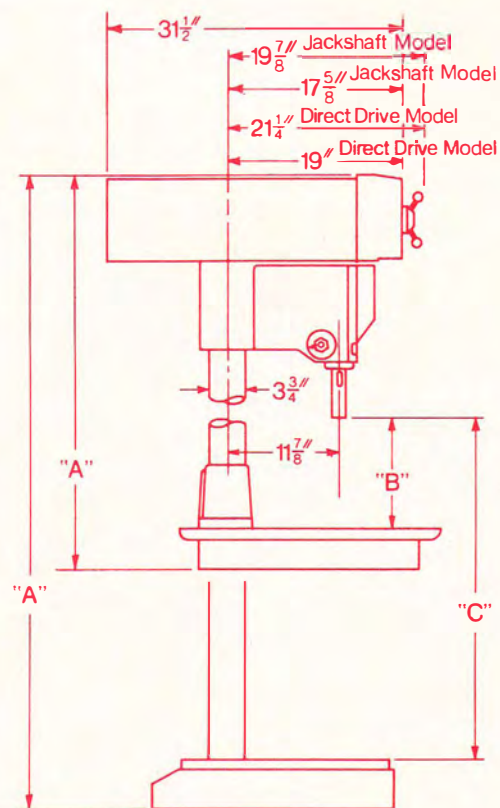
CATALOG NUMBER	TYPE OF POWER FEED	WEIGHT, LBS.
20-600	*†Variable Rate Type (.002 to .020 ipr)	54

*Feed pressure infinitely variable from 0 to maximum required.

†Above power feed supplied factory mounted only. Not supplied for field mounting. Minimum spacing of multiple spindle 20" power feed heads is 15".

NOTE: For Automation and Remote Control Kits for field mounting, and for complete description of Power Feeds, see Pages 5 and 6.

DIMENSIONAL DATA



SERIES 2000 DRILLING MACHINES (ALL MODELS)	"A" OVERALL HEIGHT	"B" SPINDLE TO TABLE (MAX.)	"C" SPINDLE TO TABLE (MAX.)
BENCH TYPE w/Production Table	55"	25 5/8"	—
FLOOR TYPE w/Production Table	75"	35 1/2"	44 1/2"
FLOOR TYPE w/Tilt Table	75"	34 1/4"	44 1/2"

STANDARD EQUIPMENT

All Models (except heads only) include raising mechanism for head or table, self-locking depth stop, depth gage, belt guard, belt and motor pulley (specify bore). Variable Speed Models furnished only with electricals, factory mounted and wired, ready to run. Step Pulley Models will be furnished less electricals, if desired.

CATALOG LISTING

SINGLE SPINDLE MODELS (Less Motor and Control—See Below)

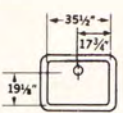
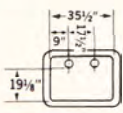
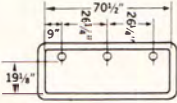
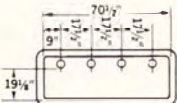
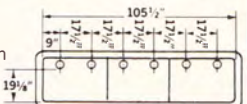
TYPE	HAND FEED—NO. 3 MORSE TAPER					
	STEP PULLEY (8 SPEEDS)			VARIABLE SPEED		
	3-TO-1 REDUCTION LO-SPEED 125-1400 RPM	2-TO-1 REDUCTION LO-SPEED 180-2000 RPM	DIRECT DRIVE HI-SPEED 375-4200 RPM	3-TO-1 REDUCTION LO-SPEED 125-1250 RPM	2-TO-1 REDUCTION LO-SPEED 200-2000 RPM	DIRECT DRIVE HI-SPEED 375-3750 RPM
BENCH MODEL/PRODUCTION TABLE	70-583 432 lbs.	70-592 430 lbs.	70-601 419 lbs.	*70-610 450 lbs.	*70-619 448 lbs.	*70-628 437 lbs.
FLOOR MODEL/PRODUCTION TABLE	*70-584 483 lbs.	*70-593 481 lbs.	*70-602 470 lbs.	*70-611 501 lbs.	*70-620 499 lbs.	*70-629 488 lbs.
FLOOR MODEL/TILTING TABLE	*70-585 483 lbs.	*70-594 481 lbs.	*70-603 470 lbs.	*70-612 501 lbs.	*70-621 499 lbs.	*70-630 488 lbs.
HEADS ONLY (Less 20-761 Raising Mechanism)	70-586 187 lbs.	70-595 185 lbs.	70-604 174 lbs.	*70-613 205 lbs.	*70-622 203 lbs.	*70-631 192 lbs.

*Includes Safety Collar for head. Table working surface—Bench Model, 24" x 18"; Floor Model with Production Table, 19 1/4" x 22"; Floor Model with Tilting Table, 16 x 18", tilts 90° L and R. Production Tables have 1 7/8" coolant trough with two

3/4" pipe taps at rear.

*NOTE: Variable Speed Models furnished only with electricals, factory mounted and wired, ready to run!

SINGLE AND MULTIPLE SPINDLE PRODUCTION TABLE FLOOR MODELS (Less Motors and Controls—See Below)

TYPE	HAND FEED—NO. 3 MORSE TAPER					
	STEP PULLEY (8 SPEEDS)			VARIABLE SPEED		
	3-TO-1 REDUCTION LO-SPEED 125-1400 RPM	2-TO-1 REDUCTION LO-SPEED 180-2000 RPM	DIRECT DRIVE HI-SPEED 375-4200 RPM	3-TO-1 REDUCTION LO-SPEED 125-1250 RPM	2-TO-1 REDUCTION LO-SPEED 200-2000 RPM	DIRECT DRIVE HI-SPEED 375-3750 RPM
1 Spindle— 1/2" Pipe Tap at Each Rear Corner 	70-587 846 lbs.	70-596 844 lbs.	70-605 833 lbs.	*70-614 864 lbs.	*70-623 862 lbs.	*70-632 851 lbs.
2 Spindle— 1/2" Pipe Tap at Each Rear Corner 	70-588 1126 lbs.	70-597 1122 lbs.	70-606 1100 lbs.	*70-615 1162 lbs.	*70-624 1158 lbs.	*70-633 1136 lbs.
3 Spindle— 1/2" Pipe Tap at Each Rear Corner 	70-589 1614 lbs.	70-598 1608 lbs.	70-607 1575 lbs.	*70-616 1668 lbs.	*70-625 1662 lbs.	*70-634 1629 lbs.
4 Spindle— 1/2" Pipe Tap at Each of 4 Corners 	70-590 1860 lbs.	70-599 1852 lbs.	70-608 1808 lbs.	*70-617 1932 lbs.	*70-626 1924 lbs.	*70-635 1880 lbs.
6 Spindle— 3/4" Pipe Tap in Each Section 	70-591 2700 lbs.	70-600 2688 lbs.	70-609 2622 lbs.	*70-618 2808 lbs.	*70-627 2796 lbs.	*70-636 2730 lbs.

Coolant equipment not included with machines. Order separately. The 2, 3 and 4-spindle drilling machines have one-piece tables. The 6-spindle unit has a three-piece table. Tables on multiple spindle units have 1 7/8" coolant trough. Table working surface is 32 1/8" from floor. Six spindle units have three legs, other

machines have two legs. Maximum distance spindle nose to table—26".

*NOTE: Variable Speed Models furnished only with electricals, factory mounted and wired, ready to run.

MOTORS AND CONTROLS (Factory Mounted and Wired)

(On multiple spindle units, designate head (1st, 2nd, etc.) on which each motor and control group is to be mounted.)

MOTOR	MOTOR CONTROL	MOTOR ENCLOSURE	HZ. AND MOTOR RPM	MOTOR VOLTAGE	SHIPPING WT. LBS.	CATALOG NUMBER	CAT. NO. 200 V
Single Phase 1 1/2 Horsepower	Push Button Switch Only	TEFC	60-1725	230	61	52-454	
	Push Button and Overload Switches	TEFC	60-1725	230	65	52-455	
	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-1725	230	67	52-456	
Three Phase 1 1/2 Horsepower	Push Button Switch Only	TEFC	60-1725	230/460	52	52-457	52-461
	Push Button Switch and Magnetic Starter	TEFC	60-1725	230/460	58	52-459	52-463
	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-1725	230/460	63	†52-460	52-464

NOTE: Single Phase electricals will be supplied wired for 230 V only. Three phase electricals will be supplied wired for 230 V, unless 460 V is specified. Power Cord and Plug supplied for single phase only. Motors and motor controls for Rockwell Delta Series 2000 Step Pulley Drilling Machines may be ordered unmounted. For listing, see Sections P and Q.

†No. 49-000 "JIC" Type Control Kit. Specify this Catalog Number, in addition to Three Phase Cat. No. 52-460, in order to obtain Series 2000 Drilling Machine with "JIC" type electricals, factory mounted and wired.

NEW ROCKWELL DELTA SERIES 2000 DRILLING MACHINES

COMPONENTS FOR BUILDING SPECIAL-PURPOSE MACHINES

(Used with Rockwell Delta Series 2000 Drilling Heads)

No. 20-625 Column, steel, $3\frac{3}{4}$ " x 33", with $\frac{1}{2}$ " wall. 47 lbs.

No. 20-626 Column, steel, $3\frac{3}{4}$ " x 42", with $\frac{1}{2}$ " wall. 62 lbs.

No. 20-627 Column, steel, $3\frac{3}{4}$ " x 66", with $\frac{1}{2}$ " wall. 97 lbs.

No. 20-628 Column, steel, $3\frac{3}{4}$ " x 78", with $\frac{1}{2}$ " wall. 114 lbs.

No. 70-430 Safety Collar for supporting head on column. $3\frac{1}{2}$ lbs.

No. 20-636 Booster Spindle Return Spring Kit. Includes clock spring with case, pinion shaft stub extension and instructions for field mounting on hand or power feed machines. Provides about 80 to 90 pounds of lift when used with the standard equipment spring. It is especially recommended when multiple spindle heads, tapping heads or other heavy tooling is mounted on quill or spindle of machine. 2 lbs.

No. 20-624 Flange, with screws, for mounting column on table (not for single spindle floor models). 44 lbs.

No. 20-623 Ball Bearing Carriage with 33" column for Overhead Drill Press. 126 lbs.

No. 20-761 Head Raising Mechanism. Includes ball bearing thrust collar, rack, gear assembly and crank. 19 lbs.

No. 20-661 Table Raising Mechanism. Includes ball bearing thrust collar, rack, gear assembly and crank. 19 lbs.

No. 20-660 Tilting Table, ground work surface 16" front to back by 18" left to right, slotted, with column bracket and tilt angle scale. Tilts 90° left and right and has index pin for level position. Left side has 4 x 16" ground, vertical work clamping surface. Without 20-661 Raising Mechanism. For single spindle floor model drill presses. 97 lbs.

No. 20-650 Production Table, 15" x 18" ground work surface (including coolant trough, $19\frac{1}{4}$ " x 22"), with 4 diagonal and 2 parallel blind T slots for $\frac{1}{2}$ " bolts. Without 20-661 Raising Mechanism. For single spindle floor model drill presses. 112 lbs.

No. 20-651 Production Table, ground work surface 24" front to back by 18 wide, for single spindle bench model. Does not fit 50-399 Legs. 136 lbs.

No. 20-655 Production Table, one piece, for single spindle set up. Drilled and tapped for one column mounting flange, centered. Ground work surface $24\frac{1}{2}$ " x $35\frac{1}{2}$ ". Fits 50-399 legs. 388 lbs.

No. 20-652 Production Table, one-piece, for two spindle setup. Drilled and tapped for column mounting flanges on $17\frac{1}{2}$ " centers. Ground work surface $24\frac{1}{2}$ " x $35\frac{1}{2}$ ". Fits 50-399 Legs. 388 lbs.

No. 20-653 Production Table, one-piece, for three spindle setup. Drilled and tapped for column mounting flanges on $26\frac{1}{4}$ " centers. Machined work surface $24\frac{1}{2}$ " x $70\frac{1}{2}$ ". Fits 50-399 Legs. 650 lbs.

No. 20-654 Production Table, one-piece, for four spindle setup. Drilled and tapped for column mounting flanges on $17\frac{1}{2}$ " centers. Machined work surface $24\frac{1}{2}$ " x $70\frac{1}{2}$ ". Fits 50-399 Legs. 650 lbs.

No. 20-657 Production Table, right end section, drilled and tapped for two columns on $17\frac{1}{2}$ " centers, 25 x $35\frac{1}{4}$ " ground work surface. 392 lbs.

No. 20-658 Production Table, left end section, drilled and tapped for two columns on $17\frac{1}{2}$ " centers, 25 x $35\frac{1}{4}$ " ground work surface. 392 lbs.

No. 20-659 Production Table, center section, drilled and tapped for two columns on $17\frac{1}{2}$ " centers, 25 x 35" ground work surface. 382 lbs.

No. 50-399 Legs, steel, one pair $27\frac{1}{2}$ " high. For mounting production tables 20-652, 20-653, 20-654 and 20-656. 100 lbs.

No. 50-506 Leg, steel, $27\frac{1}{2}$ " high. For mounting production tables. Cannot be used with table 20-651. 50 lbs.

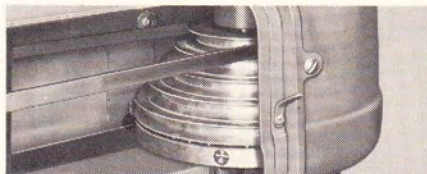
No. 50-400 Riser Blocks, cast iron, one pair, 2" high with studs, nuts and lock washers for mounting under Legs 50-399 and 50-506. One pair required for each single leg to raise machine 2". Two blocks can be stacked to raise machine 4". 8 lbs.



Refer to Page 2, Section A4 for important ordering data on tables and minimum center distance for columns. For Coolant Equipment, see Section D1.

GET EXTRA SLOW DRILLING SPEEDS WITH THESE PLANETARY GEAR SPINDLE PULLEYS

(For Old Style Rockwell Delta 20" Drill Presses)



Hand Feed 20" Head Shown with Five-Step Geared Spindle Pulley.

You can equip your present Rockwell Delta 20" Drill Press with planetary gear spindle pulleys that provide a 3 to 1 reduction ratio. By reducing the spindle speed and multiplying the torque, the capacity of the Delta 20" Hand or Power Feed Drill Press is increased. You can drill and tap larger holes and handle operations like reaming, spotfacing and counterboring.

Hand feed models have ten spindle speeds—five in direct drive and five in gear drive. With a 1725 rpm motor, the spindle speed range is from 165 to 2600 rpm, and with an 1140 rpm motor, from 110 to 1700 rpm.

Power feed models are equipped with a

4-step geared spindle pulley and conventional 5-step motor pulley. With the 49-108 V-belt which is standard equipment, eight spindle speeds (four in direct and four in gear drive), ranging from 165 rpm to 1800 rpm with a 1725 rpm motor, are obtained. With an 1140 rpm motor, the eight speeds range from 110 rpm to 1200 rpm.

Additional speeds can be obtained on power feed models by using the longer V-belt 49-109 (order separately if desired) and different steps on the motor pulley. This provides eight additional speeds, up to 2100 rpm in direct drive when using a 1725 rpm motor.

No. 20-635 Five-step Planetary Gear Spindle Pulley for Old Style 20" Hand Feed Drill Presses. Used instead of the standard equipment spindle pulley, this accessory provides ten spindle speeds. 15 lbs.

No. 20-634 Four-step Planetary Gear Spindle Pulley for Old Style 20" Power Feed Drill Presses. Used instead of the standard equipment spindle pulley, this accessory provides eight spindle speeds with the original equipment V-belt, plus eight additional speeds with the longer V-belt 49-109 (order separately if desired). 15 lbs.

No. 49-108 Standard Belt. $62\frac{13}{32}$ " OC. $\frac{3}{4}$ lb.

No. 49-109 Spindle V-belt for use with 20-634 Spindle Pulley. Longer in length than Standard Belt 49-108, it is used to obtain higher spindle speeds. $64\frac{1}{8}$ " OC. $\frac{3}{4}$ lb.

No. 49-235 Motor Pulley—5-step. Specify $\frac{3}{8}$, $\frac{1}{2}$, $\frac{3}{4}$ or 1" bore. $3\frac{1}{2}$ lbs.

No. 20-420 Quill Assembly—Used to change any No. 3 M.T. spindle model to No. 2 M.T. spindle. Consists of quill with No. 2 M.T. spindle, assembled with collar, ball bearings and flinger collar. 6 lbs.

No. 20-430 Quill Assembly—Used to change any No. 2 M.T. spindle model to No. 3 M.T. spindle. Consists of quill with No. 3 M.T. spindle, assembled with collar, ball bearings and flinger collar. 6 lbs.

UNIQUE ROCKWELL POWER FEED FOR SERIES 2000 AND 17" DRILL PRESSES

(For Catalog Listing, See Page 3)

Only the Rockwell Power Feed offers "up-front" control combined with one-hand operation. It provides these important user benefits:

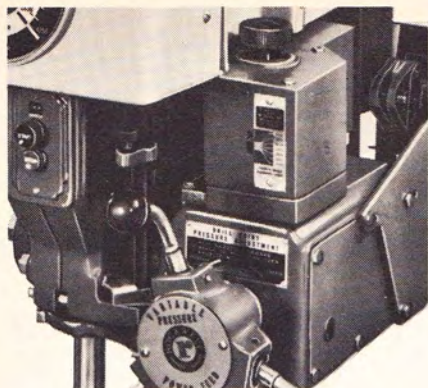
Saves on Labor Costs—faster and easier to operate, it is especially valuable on set-ups where the operator can do other jobs during the power feed cycle.

Improves Quality—correctly engineered feeds and speeds are maintained to produce holes that are round, true to size and depth, with a high quality finish.

Increases Production—mechanical feed maintains established production rate, is not subject to slow-downs due to operator fatigue.

Equipped with the unique Rockwell Mechanical Power Feed, Delta drilling machines not only are ideal for conventional operations, but also are perfectly suited for both small hole drilling and for drilling large holes up to the maximum capacity of the machine.

NEW ROCKWELL DELTA SERIES 2000 DRILLING MACHINES



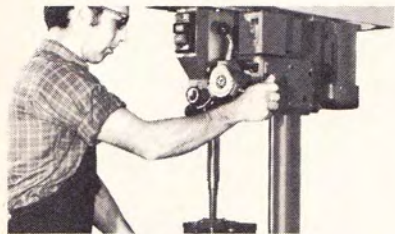
Rockwell Vari-Rate Mechanical Power Feed Here's what the Rockwell Vari-Rate Mechanical Power Feed gives you:

- Offers widest selection of drilling feeds —10 to 1 ratio.
- Permits infinite choice of feeds within the range—.002 to .020 ipr.
- Facilitates feed changes—operator selects desired feed rate while the machine is running.
- Provides "up-front" control combined with one-hand operation.
- Includes adjustable clutch with infinite or "job-tailored" drill point pressure.
- Incorporates provision for remote control or electronic interlocking with automation devices.

POWER FEED FEATURES

"Up-Front" Control—Rockwell's unique concept in power feeds provides up-front control combined with one-hand operation. Fitting the mechanical control movements to the natural, easy motion of the operator's hand brings "flick-of-the-wrist" control with freedom from fatigue.

Flexibility of Feeds—A simple one-hand movement gives the user all these choices: (1) Accelerated manual rapid approach,



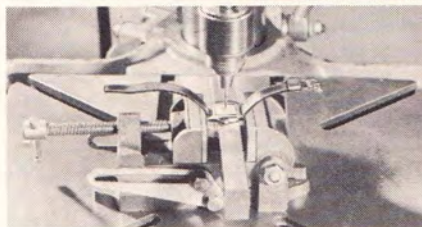
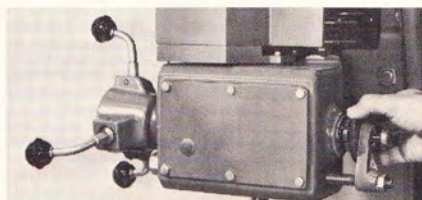
then power feed by a simple wrist movement (2) Skip drilling—rapid approach, feed, rapid approach, feed. (3) Straight power feed. (4) Straight manual feed.

All of the above choices are immediately available to the operator without any adjustment of the mechanism.

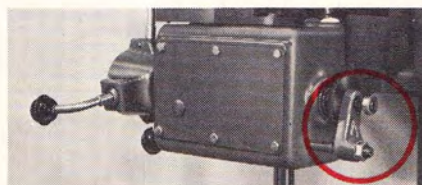


Unmatched Feed Range—Only the Rockwell Vari-Rate Power Feed provides a feed range of 10 to 1 (.002 to .020 ipr),

almost double that of any other model available. Within the range, any feed may be selected as opposed to a choice of only 3 to 5 selections on conventional feed drill presses. This permits you to dial the exact feed required while the chip is forming.

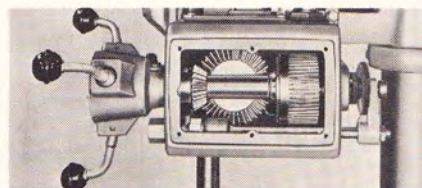


"Job-Tailored" Drill Point Pressure—With the Rockwell Vari-Rate Power Feed, the operator can turn a knurled hand wheel at the back and "tailor" the drill point maximum thrust to whatever the job requires (see top photo above). This means that he can power feed on a production basis throughout a wide range of hole diameters. He can delicately handle small holes down in the $\frac{1}{16}$ " diameter range (proof—17 jewel Bulova watch crystal did not break in actual test shown above).



Built-In Automation and Remote Control Feature—Only Rockwell offers a mechanical power feed with provision for remote control or interlocking with automation devices such as rotary tables, clamps and work feeds.

Photo shows actuating plunger (at rear) which can be connected with solenoids, electrical control switches, mechanical or hydraulic devices to interlock feed mechanism with automation accessories. The same plunger, an extension of the clutch shaft, permits remote control which completely frees the operator from any manual effort.



Rugged Power Feed Construction—Photo illustrates the rugged, yet simple construction of the unique Rockwell Power Feed.

The double reduction mechanism, with two extra large bevel gears, permits the hand wheel to be ideally proportioned for quick, effortless operation.

INCREASE PRODUCTION WITH THE ROCKWELL AUTOMATION AND REMOTE CONTROL KIT

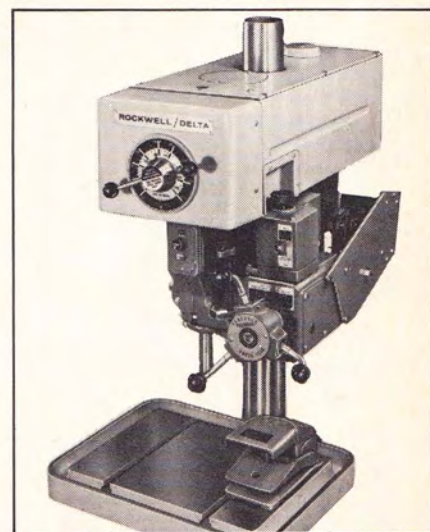
This kit, when added to your Rockwell Delta Series 2000 or 17" Drill Press, will speed up production and provide added operator convenience. Instructions are included for easy field mounting.

Rockwell Automation and Remote Control Kit Offers These User Benefits:

- It is ideal for interlocking with such automation devices as rotary tables, clamps and work feeds.
- Can be remotely actuated from any control station, enabling operator to perform other functions.
- Power Feed starts instantly when switch is closed.
- Unit can be operated at a frequency of up to ten operations per minute.
- Power Feed may be actuated or disengaged using hand control, if desired, without disconnecting remote control solenoid.
- Use of foot switch enables operator to walk up to drill press with hands loaded, then step on switch to place unit in operation.

No. 49-436 Automation and Remote Control Kit for Rockwell Delta Series 2000 and 17" Power Feed Drill Presses. Includes 230 volt, 60 hertz, single phase solenoid; mounting bracket; lever arm with shaft and instructions for field mounting. 17 lbs.

No. 49-437 Automation and Remote Control Kit for Rockwell Delta Series 2000 and 17" Power Feed Drill Presses. Same as 49-436, except 460 volt. 17 lbs.



Shown is the Automation and Remote Control Kit with foot switch (not furnished by Rockwell) mounted on a Rockwell Delta 17" Variable Speed Power Feed Drill Press.

No. 49-436



Photograph illustrates the simplicity of the Rockwell Automation and Remote Control Kit which consists of a solenoid, mounting bracket and lever arm with shaft.

Rockwell Delta 17" Drill Presses

QUALITY FEATURES THAT PROVE THE SUPERIORITY OF ROCKWELL DELTA 17" DRILL PRESSES

A. Widest, Test-Proven Speed Range . . .

You can prove the tremendous 12-to-1 speed ratio of the Rockwell Delta 17" Variable Speed Drill Press by actual tachometer test.

Benefits: You get the exact speed you need for every kind of drillable material—350 to 4250 RPM with a 1725 RPM motor—230 to 2830 RPM with an 1140 RPM motor. Only Delta gives you a BONUS of extra speeds in both the high and low speed range.

B. New, Improved Variable Speed Drive . . .

With less than one complete turn of the large speed control pilot wheel, you can select any speed instantly while the machine is running. A self-locking cam, plus a "snubber" feature, holds speed settings constant under all load conditions. Proper belt tension is automatically maintained for full power transmission.

Benefits: Industry's widest speed range permits drilling *all* materials at the correct speed. Speed changes are made while the machine is running to save the operator's time. Control of speed is extra safe because there is no need to manipulate the belt or pulleys by hand.

C. Unique Double Spindle . . . Only Rockwell Delta 17's offer a dual spindle design. Upper spindle (A) takes all belt pull and transmits torque through 16-splined free-floating drive sleeve (B) to rigid, short lower spindle (C). Four lubricated-for-life ball bearings (plus an extra bearing on variable speed models) are used—two on the upper spindle and two on the lower spindle.

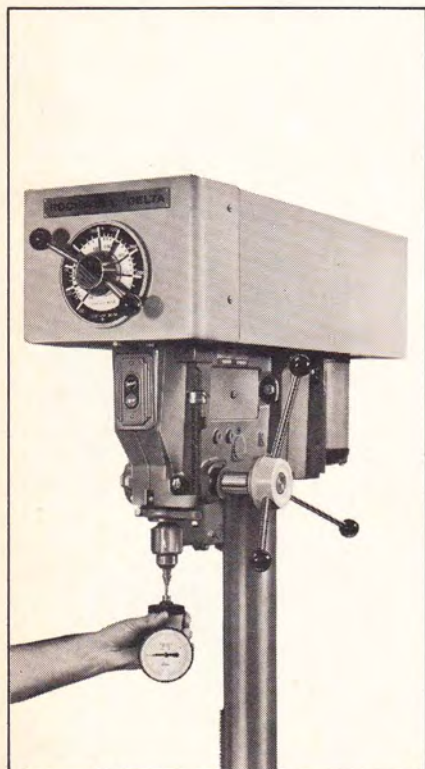
Benefits: Short lower spindle design eliminates whipping and insures accuracy. You get chatter-free performance, even on special operations like reaming or countersinking.

D. Unmatched Versatility . . . Six interchangeable spindle adapters make Rockwell Delta Key Chuck Models unsurpassed in their ability to do many different jobs.

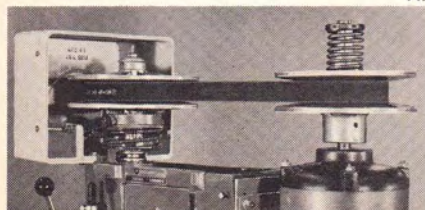
Benefit: These spindle adapters adapt the 17" Drill Press in seconds for operations varying from drilling to wood planing or routing, including counterboring, reaming, spot facing, sanding and mortising, as well as buffing and many other operations.

E. "Self-Locking" Depth Stop . . . Unlike competitive depth stops, Delta's self-locking design guarantees that it will never change its setting.

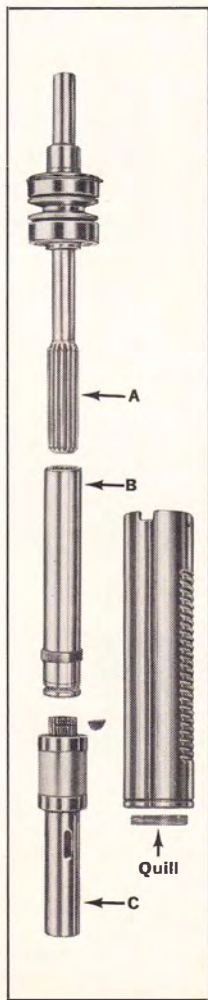
Benefits: Positive setting eliminates ruined work pieces . . . permits fast set-ups for absolute depth control. Sleeve is calibrated to show changes down to .002".



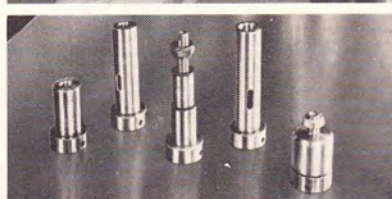
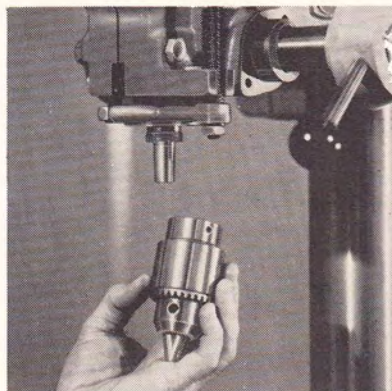
A.



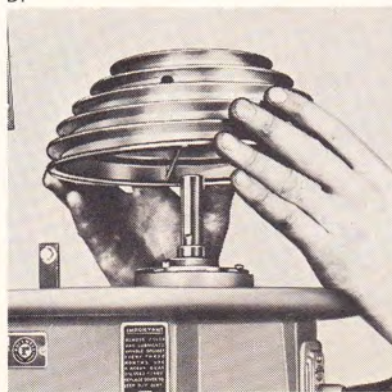
B.



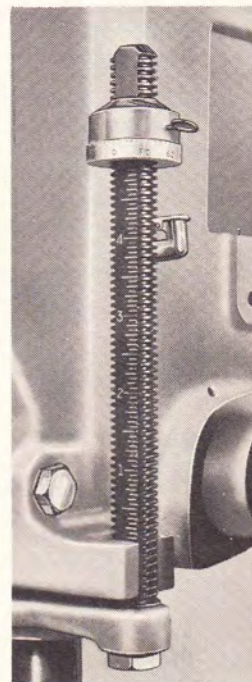
C.



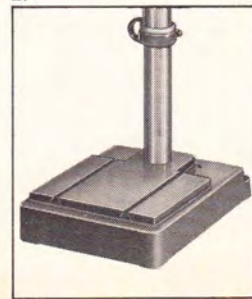
D.



F.



E.



G.

F. Quick Conversion Pulleys . . . The dynamically balanced pulleys on Rockwell Delta 17" Step Pulley Drill Presses may be changed quickly by simply loosening one set screw.

Benefit: You convert quickly from high to slow speed model or vice versa to keep production moving.

G. Heavy Duty Base . . . Extra large 17 $\frac{3}{4}$ x 25 $\frac{1}{2}$ " floor base has spacious 13 $\frac{3}{4}$ x 16 $\frac{3}{16}$ " work surface. Two full length T-slots permit quick insertion of T-bolts from either front or rear.

Benefits: Massive, spacious base provides stability for machine, plus rigid mounting for column, guaranteeing greater accuracy at the spindle. Blind T-slots speed up clamping of jigs and fixtures.

H. Interference-Free Guard . . . All steel guard swings up high and back, while three specially designed supports and a stop, hold guard in desired "up position."

Benefits: With all interference practically eliminated, operator makes belt and speed changes quickly. Built-in clips automatically lock guard in place when closed.

I. Perfected Motor Mount . . . Specially designed, pivot type motor mount on Delta 17" Step Pulley Drill Presses assures longer belt life because belt tension is fully released before changing from one pulley speed to another.

Benefit: Proper running tension on belt is maintained at all times, preventing undue wear on bearings.

J. Modern Table Design . . . Slots and side ledges make clamping of work easy. Machined front apron has mounting holes. Ground index pin accurately locates table at the level position, and at 90° left tilt or 90° right tilt positions.

Benefit: Quick, accurate clamping of work speeds up production and eliminates work spoilage.

K. The Only "Triple Variable" Drill Press . . . Only Rockwell Delta 17" Variable Speed Drill Presses with Vari-Rate Power Feed offer you this 3-in-1 combination: ① Variable Speed—230 to 4250 RPM ② Variable Feed—.002 to .020 ipr ③ Variable Drill Point Pressure—0 to maximum.

Benefits: You can select the exact drilling speed you need for every material, hard or soft. You can dial the exact feed required, while the chip is forming. You can dial the exact drill point pressure you desire—extra thrust for large drills, delicate pressure for tiny drills.

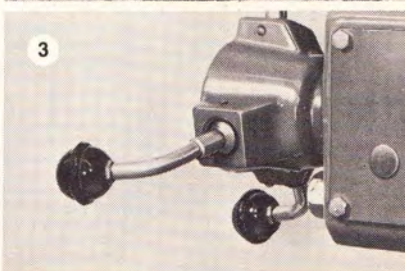
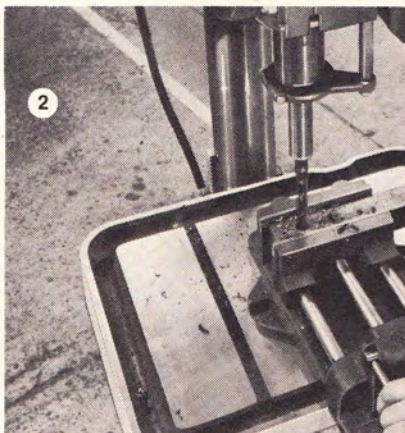
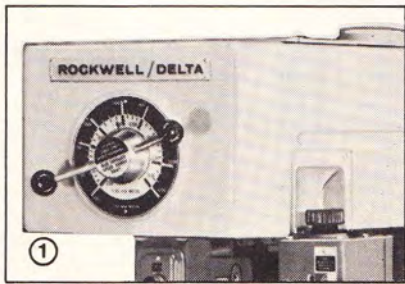
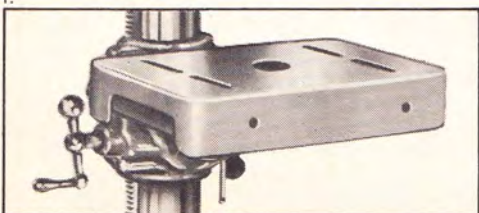
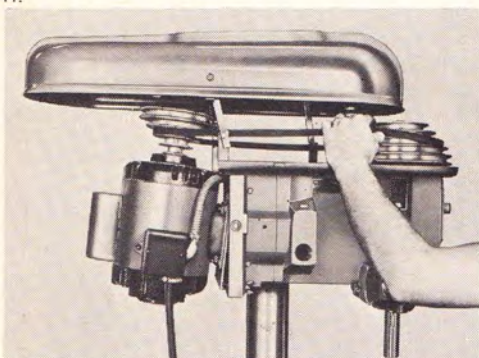
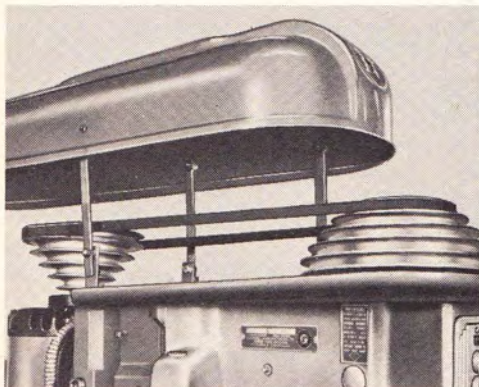
ROCKWELL QUALITY EXTRAS

Quill is rigidly supported by 3 precision-bored lands in the head, providing extra smooth travel.

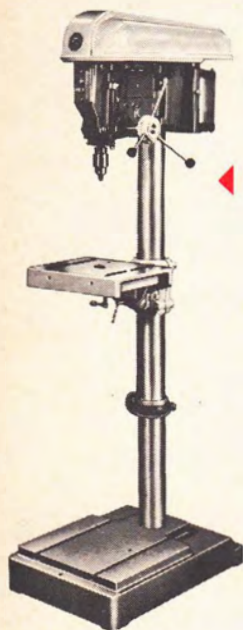
Rubber cushion ring absorbs shock between head and quill collar, or mortising chisel holder, while garter spring holds these parts on quill with light clamping pressure. This avoids quill distortion and prolongs bearing life.

Handy, self-closing oil cup permits single-point lubrication of quill surface and pinion shaft.

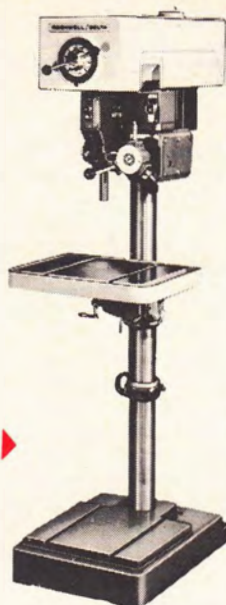
All heads are machined, ready for mounting Rack and Pinion Type Raising Mechanism.



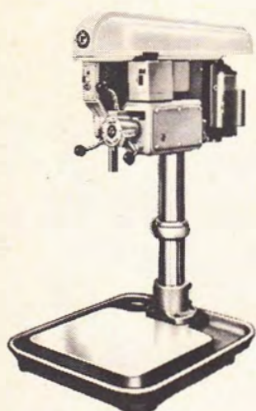
ROCKWELL DELTA 17" DRILL PRESSES



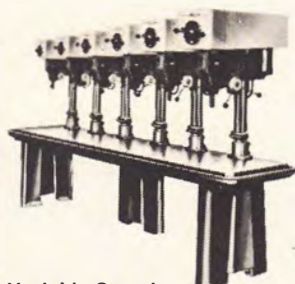
5-Step Pulley Floor Model with tilting table and key chuck spindle. Available with production table and No. 2 M.T. spindle.



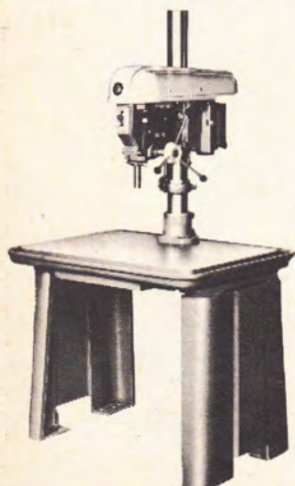
Variable Speed Floor Model with production table, No. 2 M.T. spindle and Vari-Rate Power Feed. Available with tilting table and key chuck spindle.



5-Step Pulley Bench Model with production table, No. 2 M.T. spindle and Vari-Rate Power Feed.



Variable Speed Multiple Spindle Model—Available in 2, 3, 4, 5 or 6 spindles with $\frac{1}{2}$ " key chuck or No. 2 M.T. spindle, hand or power feed, on both Step Pulley and Variable Speed Models. Can be ordered as cataloged, or custom assembled (either at the factory or in your shop) using any combination of Step Pulley or Variable Speed Heads with any number of spindles from one to a drill press a block long if desired.



Floor Model—Hand feed with No. 2 M.T. spindle and extra large production table. Spacious $23\frac{3}{8}$ " x 36" table working surface makes machine especially suited for handling large dies, jigs, fixtures and patterns. Increases efficiency while stepping up production. An excellent unit for the tool and die shop, machine shop and pattern shop.

In the tool room, experimental department, machine or model shop, and in school or cabinet shops, Rockwell Delta 17" Drill Presses will meet your most demanding requirements.

They are the finest machines ever offered in their class.

Here's why: Only the Rockwell Delta Variable Speed 17 provides a 12-to-one speed ratio, enabling you to do superior work with almost any material. Only Rockwell Delta 17's make available a Unique Double Spindle eliminating spindle whip and providing greater accuracy. Only Rockwell Delta makes six interchangeable spindle adapters available to make Delta 17's unsurpassed in their ability to do many different jobs. Only Rockwell Delta offers a "Self-Locking" Depth Stop that never changes its setting.

POWER FEED—FACTORY MOUNTED ON ROCKWELL DELTA 17" DRILL PRESSES

CATALOG NUMBER	TYPE OF POWER FEED	WT., LBS.
17-819	*†Variable Rate Type (.002 to .020 ipr)	56

*Feed pressure infinitely variable from 0 to maximum required.

†Above power feed supplied factory mounted only. Not supplied for field mounting. Minimum spacing of multiple spindle 17" power feed heads is 18".

NOTE: For Automation and Remote Control Kits for field mounting, and for complete description of Power Feed, see Section A2, Page 5.

MACHINE DATA

Overall Dimensions:

Bench Type:

Height (Step Pulley) $49\frac{3}{8}$ "; (VS) $51\frac{1}{8}$ "
Width (Step Pulley) $23\frac{1}{2}$ "; (VS) $23\frac{3}{8}$ "
Front to Rear (Step Pulley) $35\frac{1}{2}$ "; (VS) $36\frac{3}{8}$ "

Floor Type (with Production Table):

Height (Step Pulley) $70\frac{1}{2}$ "; (VS) $71\frac{3}{4}$ "
Width (Step Pulley) $18\frac{1}{4}$ "; (VS) $20\frac{1}{2}$ "
Front to Rear (Step Pulley) $32\frac{1}{2}$ "; (VS) $32\frac{3}{8}$ "

Table Working Surface, Ground:

Standard 11 x 14"

Production:

Overall $16 \times 20\frac{1}{2}$ "
Inside of Coolant Trough $12\frac{1}{2} \times 17$ "
T-Slots (Two on 9" Centers) $\frac{9}{16}$ "

Base Working Surface:

Bench 16×18 " Floor $13\frac{3}{4} \times 16\frac{3}{8}$ "

Quill:

Stroke (Manual Feed) .. 0 to 5" (Power Feed) .. $\frac{1}{2}$ to 5"
Diameter $2\frac{1}{4}$ "

Capacities:

Key Chuck 0 to $\frac{1}{2}$ "
Dia. Hole in Steel ... $\frac{1}{16}$ " In Cast Iron $\frac{7}{8}$ "

Spindle Speeds:

Step Pulley Models:

With 1725 RPM Motor:

High Speed Model . . 700, 1150, 1750, 2750 and 4250 RPM
Slo Speed Model 385, 600, 935, 1450 and 2240 RPM

With 1140 RPM Motor:

High Speed Model . . .460, 760, 1140, 1815 and 2800 RPM
Slo Speed Model 255, 400, 615, 960 and 1475 RPM

Variable Speed Models:

With 1725 RPM Motor 350 to 4250 RPM
With 1140 RPM Motor 230 to 2830 RPM

Power Feed Models:

Feeds:

Variable Rate Type from .002 to .020 ipr
Feed Pressure Infinitely variable from 0 to max. required

Column: Diameter $3\frac{1}{2}$ "; Wall Thickness $1\frac{1}{4}$ "

Motor Plate: Accommodates NEMA 143T, 145T and 182 Frame Motors.

STANDARD EQUIPMENT

Table raising mechanism on single spindle floor models. Head raising mechanism on multiple spindle and bench models. Self-locking depth stop. Depth gage. Belt guard. All models include belt and motor pulley, $\frac{3}{4}$ " bore. Key chuck models include spanner wrench for spindle adapters and self-ejecting safety chuck key.

ROCKWELL DELTA 17" DRILL PRESSES

NOTE: When Power Feed is Desired, Order Catalog Number of Power Feed From Opposite Page. For air feed, see P.5.




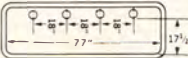
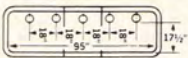
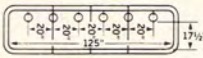
SINGLE SPINDLE MODELS (Less Motor and Control—See Below)

TYPE	NO. 2 MORSE TAPER SLO SPEED	NO. 2 MORSE TAPER HIGH SPEED	1/2" KEY CHUCK SLO SPEED	1/2" KEY CHUCK HIGH SPEED	NO. 2 MORSE TAPER VARIABLE SPEED	1/2" KEY CHUCK VARIABLE SPEED
Standard Tilting Table Floor Models	• 17-605 300 lbs.	• 17-606 300lbs.	• 17-607 300 lbs.	• 17-608 300 lbs.	*• 17-227 330 lbs.	*• 17-228 330 lbs.
Production Table Floor Models	• 17-610 312 lbs.	• 17-611 312 lbs.	• 17-612 312 lbs.	• 17-613 312 lbs.	*• 17-229 348lbs.	*• 17-230 348 lbs.
Production Table Bench Models	17-630 335 lbs.	17-631 335 lbs.	17-632 335 lbs.	17-633 335 lbs.	* 17-231 366lbs.	* 17-232 366lbs.
Heads Only	17-600 99 lbs.	17-601 99 lbs.	17-602 99 lbs.	17-603 99 lbs.	* 17-225 127 lbs.	* 17-226 127 lbs.

•Includes Safety Collar for head. Table working surface—Standard 11 x 14", Production (floor model) 12½ x 17" with one ¾" pipe tap at rear, Production (bench model) 16 x 18" with two ¾" pipe taps at rear. Std.

table tilts 90° L and R. Production table for floor models tilts 17° L and R.
*NOTE: Variable Speed Models furnished only with electricals, factory mounted and wired, ready to run.

SINGLE AND MULTIPLE SPINDLE PRODUCTION TABLE FLOOR MODELS (Less Motors and Controls—See Below)

TYPE		NO. 2 MORSE TAPER SLO SPEED	NO. 2 MORSE TAPER HIGH SPEED	1/2" KEY CHUCK SLO SPEED	1/2" KEY CHUCK HIGH SPEED	NO. 2 MORSE TAPER VARIABLE SPEED	1/2" KEY CHUCK VARIABLE SPEED
1 Spindle— ¾" Pipe Tap at Rear		17-614 615 lbs.	17-615 615 lbs.	17-616 615 lbs.	17-617 615 lbs.	* 17-243 645 lbs.	* 17-244 645 lbs.
2 Spindle — ¾" Pipe Tap at Rear		17-640 780 lbs.	17-641 780 lbs.	17-642 780 lbs.	17-643 780 lbs.	* 17-233 836 lbs.	* 17-234 836 lbs.
3 Spindle — ¾" Pipe Tap at Each End		17-650 1179 lbs.	17-651 1179 lbs.	17-652 1179 lbs.	17-653 1179 lbs.	* 17-235 1350 lbs.	* 17-236 1350 lbs.
4 Spindle — Two ¾" Pipe Tap at Rear		17-660 1448 lbs.	17-661 1448 lbs.	17-662 1448 lbs.	17-663 1448 lbs.	* 17-237 1628 lbs.	* 17-238 1628 lbs.
5 Spindle — ¾" Pipe Tap at Each End		17-680 1855 lbs.	17-681 1855 lbs.	17-682 1855 lbs.	17-683 1855 lbs.	* 17-239 2140 lbs.	* 17-240 2140 lbs.
6 Spindle — ¾" Pipe Tap at Each End		17-690 2378 lbs.	17-691 2378 lbs.	17-692 2378 lbs.	17-693 2378 lbs.	* 17-241 2691 lbs.	* 17-242 2691 lbs.

Coolant equipment not included with machines. Order separately (see Section D1). Tables with three or more sections have three steel legs, other machines have two legs. Multiple spindle tables have 1½" coolant trough all around. Working surface is 32" from floor. Spindle to table

maximum with No. 2 Morse Taper or Key Chuck (jaws closed)—25%".
*NOTE: Variable Speed Models furnished only with electricals, factory mounted and wired, ready to run.

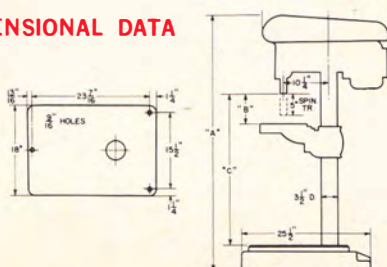
MOTORS/CONTROLS (Factory Mounted-Wired) (On multiple spindle units, designate head (1st, 2nd, etc.) on which each motor and control group is to be factory mounted.)

MOTOR	MOTOR CONTROL	MOTOR ENCLOSURE	HERTZ AND MOTOR RPM	MOTOR VOLTAGE	SHIP. WT., LBS.	CATALOG NUMBER	CAT. NO. 200V
Single Phase, 1 Horsepower	Push Button Switch Only	TEFC	60 - 1725	115/230	61	49-444	
	Push Button and Overload Switches	TEFC	60 - 1725	115/230	65	49-675	
	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60 - 1725	115/230	67	49-728	
	Push Button Switch Only	TEFC	60 - 1140	115/230	77	49-729	
	Push Button and Overload Switches	TEFC	60 - 1140	115/230	81	49-676	
	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60 - 1140	115/230	82	49-730	
Three Phase, 1 Horsepower	Push Button Switch Only	TEFC	60 - 1725	230/460	61	49-445	49-995
	Push Button Switch and Magnetic Starter	TEFC	60 - 1725	230/460	57	49-738	49-997
	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60 - 1725	230/460	57	†49-739	49-998
	Push Button Switch Only	TEFC	60 - 1140	230/460	58	49-740	49-999
	Push Button Switch and Magnetic Starter	TEFC	60 - 1140	230/460	65	49-742	52-001
	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60 - 1140	230/460	70	†49-743	52-002

NOTE: Single phase electricals will be supplied wired for 115 V, unless 230 V is specified. Three phase electricals will be supplied wired for 230 V, unless 460 V is specified. Power Cord and Plug supplied for single phase only. Motors and Motor Controls for Rockwell Delta 17" Drill Presses may

be ordered unmounted. For listing, see Sections P and Q. †No. 49-000 "JIC" Type Control Kit. Specify this Catalog Number, in addition to Three Phase Cat. No. 49-739 or 49-743, in order to obtain 17" Drill Press with "JIC" type electricals, factory mounted and wired.

DIMENSIONAL DATA



17" STEP PULLEY AND VARIABLE SPEED DRILL PRESSES	Model (Step Pulley or Var. Speed)	No. 2 M.T. and 1/2" Key Chuck Models (Jaws Closed)		
		"A" Overall Height	"B" Spindle To Table (Max.)	"C" Spindle To Base (Max.)
Bench Type w Production Table	SP	49½"	25¾"	—
	VS	51¼"	25¾"	—
Floor Type w Tilting Table	SP	70"	34¾"	45¼"
	VS	71¾"	34¾"	45¼"
Floor Type w Production Table	SP	70"	33"	45¼"
	VS	71¾"	33"	45¼"

ROCKWELL DELTA 17" DRILL PRESSES

Components for Building Special-Purpose Machines

(Used with Rockwell Delta 17" Drill Press Heads)

No. 17-366 (old 1366) Flange, for mounting column on table, with screws (not for floor type). 10 lbs.

No. 17-764 (old 1368) Column, $3\frac{1}{2}$ " dia. by $38\frac{1}{2}$ " long. 20 lbs.

No. 17-763 (old 1367) Column, $3\frac{1}{2}$ " dia. by 62" long. 32 lbs.

No. 17-818 Column, $3\frac{1}{2}$ " diameter by 84" long. 46 lbs.

No. 17-635 Safety Collar for supporting head on column. 3 lbs.

No. 17-801 Raising Mechanism for head or table. Includes worm shaft, compound worm gear and pinion, crank handle, rack, thrust ball bearing and column collar. 10 lbs.

No. 17-827 Production Table, one piece, for single spindle set-up. Ground work surface of $23\frac{3}{8}$ x 36". Fits No. 50-399 legs. 373 lbs.

No. 15-153 (old 1513) Production Table, one piece for 2 spindle set-up. Ground work surface of $23\frac{3}{8}$ x 36". Fits No. 50-399 legs. 366 lbs.

No. 15-415 (old 1514) Production Table, 16 x 18" ground work surface for single spindle bench model 17" drill presses. Does not fit 50-399 legs. 147 lbs.

No. 15-555 (old 1515) Production Table, one piece for 4 spindle set-up. Ground work surface of $23\frac{3}{8}$ x 77". Fits 50-399 legs. 804 lbs.

No. 15-155 (old 1505) Production Table, center section, $23\frac{3}{8}$ " front to rear x 30" left to right ground work surface with $1\frac{1}{2}$ " coolant trough. 365 lbs.

No. 15-751 (old 1507) Production Table, end section, $23\frac{3}{8}$ " front to rear x $32\frac{1}{2}$ " left to right ground surface with $1\frac{1}{2}$ " coolant trough and $\frac{3}{4}$ " pipe tap at end. 352 lbs.

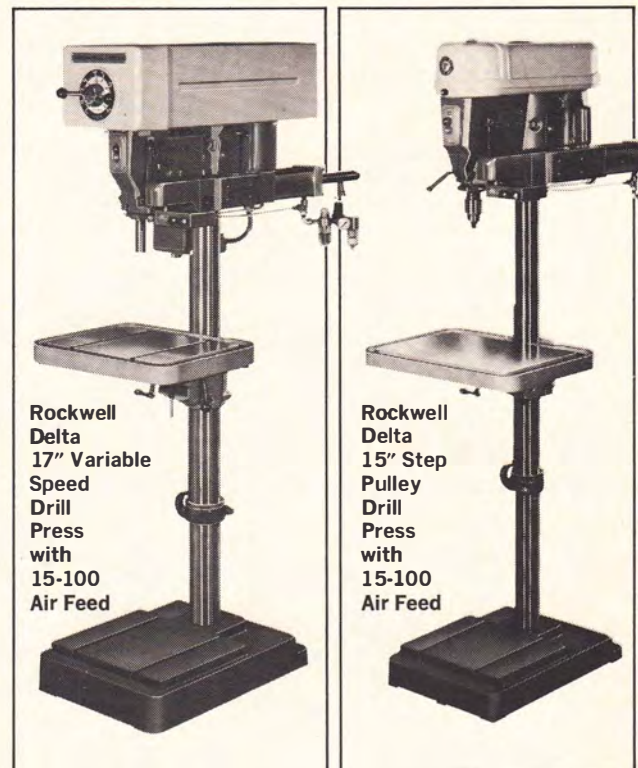
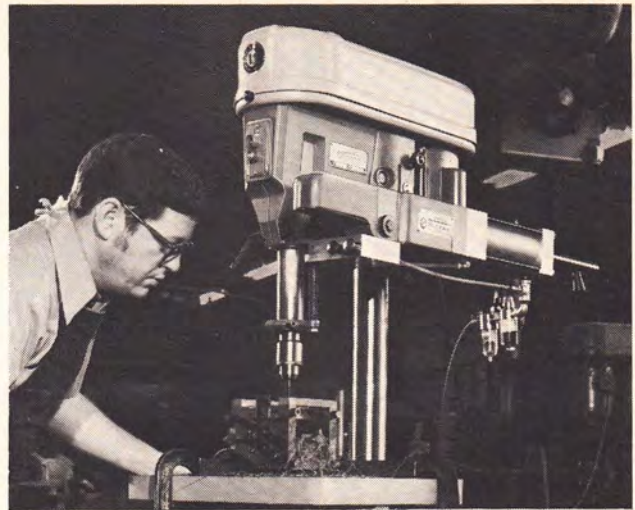
No. 50-399 Legs, steel, one pair, $27\frac{1}{2}$ " high for mounting tables 15-153 (old 1513) and 15-555 (old 1515), also table sections 15-155 (old 1505) and 15-751 (old 1507). 100 lbs.

No. 50-506 Leg, steel, $27\frac{1}{2}$ " high for mounting production tables and sections. 50 lbs.

No. 50-400 Riser Blocks, cast iron, one pair, 2" high with studs, nuts and lock washers for mounting under legs 50-399 and 50-506. One pair required for each single leg to raise machine 2". Two blocks can be stacked to raise machine 4". 8 lbs.



NEW ROCKWELL AIR LOGIC FEED SYSTEM



A complete, compact, self-contained air feed system for Rockwell Delta 15" and 17" Drill Presses or any other drill press with a $1\frac{1}{4}$ " pinion shaft.

Rockwell's New Air Feed System is ideal for fast cycle, repetitive production. It can be automated, too. When used with Rockwell Delta 15" and 17" Drill Presses, it will increase your drilling productivity at low initial cost. Furthermore, it will reduce operator fatigue . . . increase tool life . . . consistently produce better quality holes . . . and free operators for secondary work.

How does it accomplish this? By providing faster cycling on repetitive production work. With Rockwell's unique air feed, you get a quill approach of up to 700" per minute*. And you can vary the feed from 0 to 250" per minute*. You get maximum thrust, up to 675 lbs.*; furthermore, cycling controls are air-actuated for trouble-free performance. When desired, the New Rockwell Air Feed can be interlocked with automation controls for even greater savings!

Refer to Page 2, Section A4 for important ordering data on tables and minimum center distance for columns. For Coolant Equipment, see Section D1.

ROCKWELL DELTA 17" DRILL PRESSES

MACHINE DATA

Maximum Stroke:

15" Drill Press	6"
17" Drill Press	5"

Maximum Thrust* 675 lbs.

Feed, Infinitely Variable* 0 to 250" Per Min.

Maximum Rapid Approach* 700" Per Min.

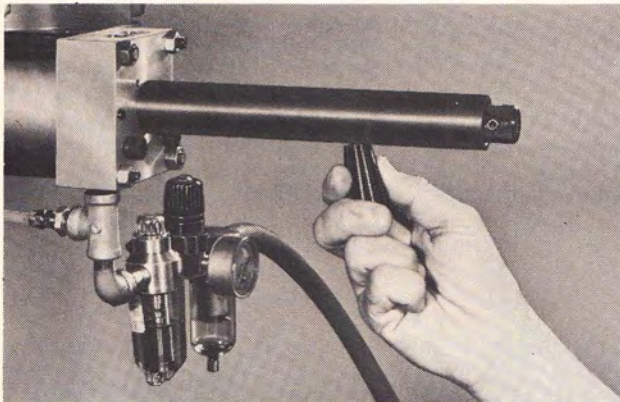
Depth Accuracy002"

*At 100 PSI Air Line Pressure.

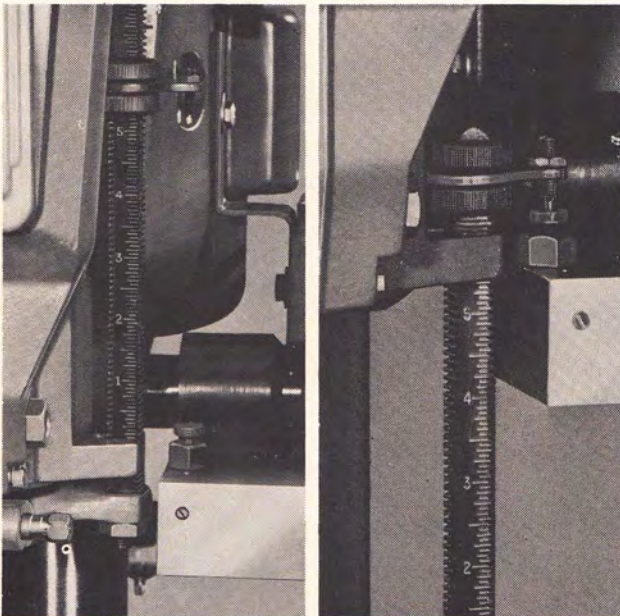
CATALOG LISTING

No. 15-100 Air Feed. Unit is supplied factory fitted and tested with New Rockwell Delta 15" or 17" Drill Presses. Air feed can be easily field mounted on any Rockwell Delta 15" or 17" Drill Press in your plant, or on any other model drill press with a 1 1/4" pinion shaft. 40 lbs.

ROCKWELL DELTA QUALITY FEATURES THAT MAKE THE DIFFERENCE!

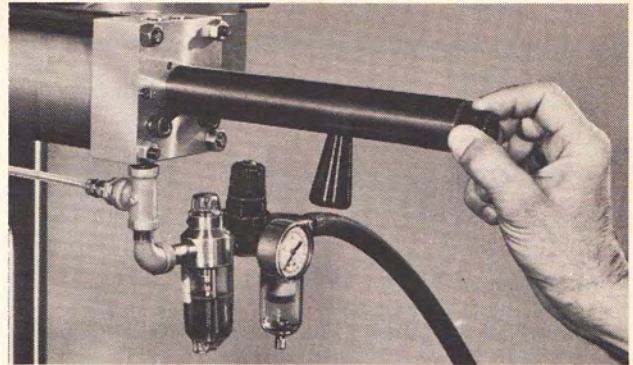


Rapid Travel Depth Control. Fast adjusting, rapid advance control can be set in only seconds for the desired depth. No tools are required.



(Left) **Full Quill Travel.** With the New Rockwell Delta Air Feed, you get full quill travel—6" on 15" Drill Presses and 5" on 17" Drill Presses. The entire quill stroke is controlled during both rapid advance and hydraulic feed.

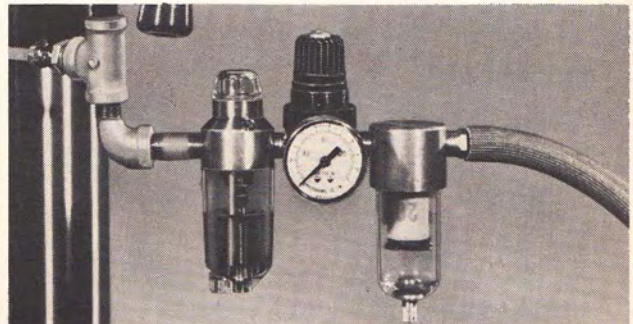
(Right) **Unique Dwell Control.** Only the Rockwell Delta Air Feed has a built-in dwell control that can be adjusted for dwell time. This feature assures consistently accurate depth when drilling or counterboring. Note: actuator screw can be adjusted to control dwell at bottom of stroke.



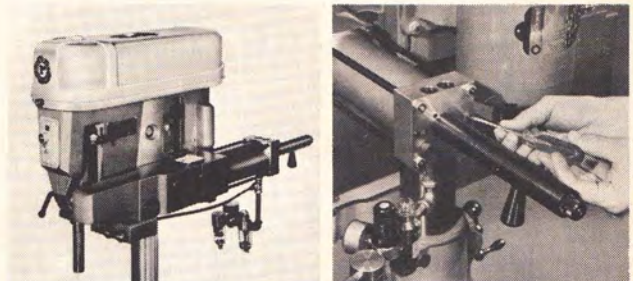
Quick-Adjusting Hydraulic Feed Control. Simply turn control clockwise to slow feed rate and counter-clockwise to increase feed rate. To make set-ups easy, the hydraulic feed may be locked out so that the rapid advance control can be used to locate the drill in relation to the work and to set depth stops for desired controlled drilling depth. No tools are required to make adjustments.



"Up-Front" Feed and Retract Controls. Feed and retract buttons are conveniently located—up front—for safe and easy operation. Retract button provides an emergency stop anywhere in the cycle.



Standard Equipment Controls. Filter, regulator and lubricator are furnished as Standard Equipment on the Rockwell Delta Air Feed. This makes it a complete, self-contained unit, ready for immediate operation.



(Left) **A Complete Air Logic System.** Only one power source is required for operation of the Rockwell Delta Air Feed. You simply connect your shop air supply to the Rockwell Air Feed and you are ready to run.

(Right) **Rapid Approach and Retract.** Rapid approach and retract speeds of quill can be easily adjusted to rate desired. For example, retract speed can be reduced to a very slow rate for such operations as reaming.

Rockwell Delta 6" Stroke 15" Drill Presses

FEATURES THAT GUARANTEE BIG PERFORMANCE ON EVERY JOB!

A. Six Speeds—An Industry First . . . Only Delta's "6 PLUS 6" offers this unbelievably wide range of speeds with a low-cost 1725 RPM motor—425, 600, 1100, 2050, 3900 and 5500 RPM—11.8 to 1 speed ratio.

Benefits: You can choose an extra slow speed for drilling very hard materials . . . an extra fast speed for working soft materials . . . or an optimum speed for any size bit and material. This one machine does the work of two former machines (low and high speed).

B. Widest, Test-Proven Speed Range . . . The Delta is the only 15" Variable Speed Drill Press which gives you a true 10-to-1 speed ratio, proven by actual test.

Benefits: You get the exact speed you need for every drilling job on any material—450 to 4700 RPM with a 1725 RPM motor—300 to 3100 with an 1140 RPM motor. Only Delta gives you a BONUS of extra speeds in both the high and low speed range.

C. New, Improved Variable Speed Drive . . . Less than one complete turn of the large speed control pilot wheel lets you select any spindle speed instantly while machine is running. A self-locking cam, plus a "snubber" feature, holds speed settings constant under all load conditions. Proper belt tension is automatically maintained for full power transmission.

Benefits: Industry's widest speed range permits drilling all materials at the correct speed. Speed changes are made while the machine is running to save operator's time. Control of speed is extra safe because there is no need to manipulate the belt or pulleys by hand.

D. Massive Base . . . Heavy $15\frac{1}{2} \times 22\frac{1}{2}$ " floor base has spacious $11\frac{1}{4} \times 14$ " work surface. Two full length T-slots permit quick insertion of T-bolts from either front or rear.

Benefits: Husky, extra large base provides stability for machine and rigid mounting for column, guaranteeing greater accuracy at the spindle. Blind T-slots speed up clamping of jigs and fixtures.

E. Convenient Pilot Wheel . . . Three spoke hand wheel provides a suitable feed position for both short and tall operators. Its three levers also make it ideal for "walk-down" feeding.

Benefits: Triple lever feed lets operator select most comfortable feed position to reduce fatigue. Three spoke feed, unlike

single lever feeds, makes it especially suitable for "walk-down" feeding of extra hard materials. One or two levers can be removed as may be needed to clear fixtures, etc.

F. Extra Long Quill Travel . . . The "6 + 6" and "VS6" provide a full "6" stroke.

Benefits: You can drill 35% deeper than with standard 15" machines. You get the extra depth you need for deep hole jobs like skip and gang drilling . . . PLUS, the extra stroke required for clearing jigs and fixtures.

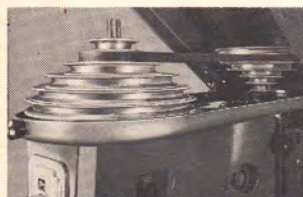
G. "Self-Locking" Depth Stop . . . Unlike competitive depth stops, Delta's self-locking design guarantees that it will never change its setting.

Benefits: Positive setting eliminates ruined work pieces . . . permits fast set-ups for absolute depth control. Stop is calibrated to show changes down to .002".

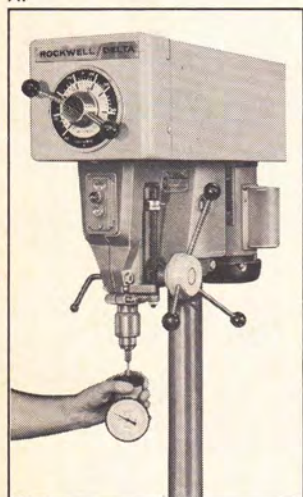
H. Large 11 x 14" Tilting Table . . . Slots and side ledges make clamping of work easy. Tilt scale gives accurate readings to 90° right and left, and tapered, expanding bushing provides maximum gripping power for rigid positioning of table at any angle.

Benefit: Quick, accurate clamping of work speeds up production. Tilting feature facilitates drilling at any angle.

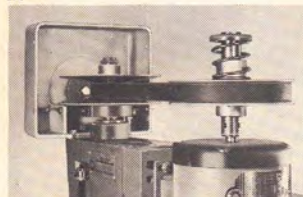
I. Extra Large Spindle Bearings . . . "6 PLUS 6" and "VS6" spindle and spindle pulley are supported by four over-sized, preloaded, lubricated-for-life ball bear-



A.



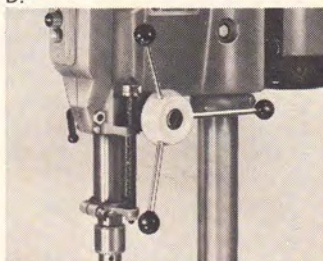
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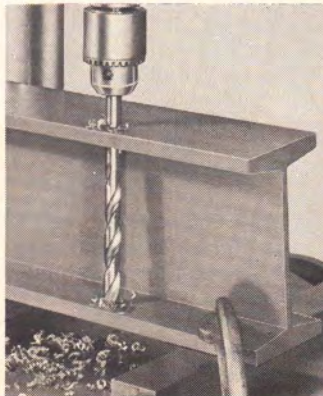
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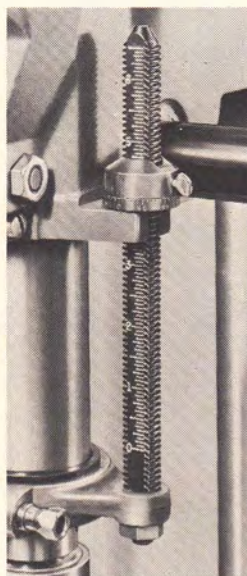
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E.



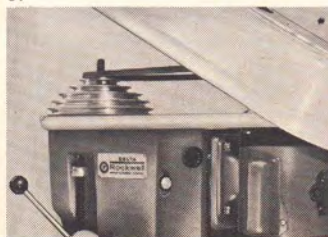
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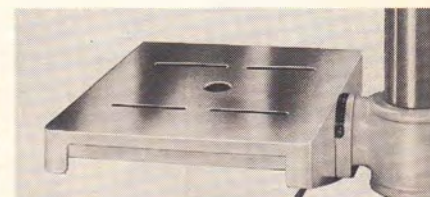
G.



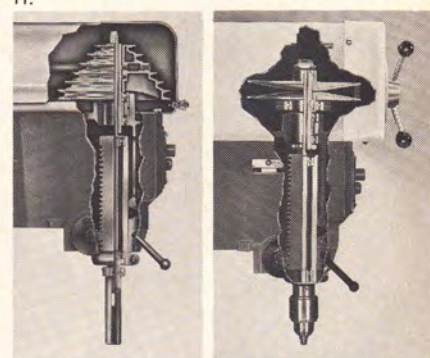
H.



I.



J.



K.



L.

ings. Pulley bearings are extra heavy duty and more than 2" in diameter. Massive quill is a full 2" in diameter. "VS6" has the same excellent construction, PLUS an extra bearing below the spindle pulley.

Benefits: This fine combination of features assures freedom from chatter; long, maintenance-free life and maximum pressure at the drill point.

J. Safe Push Button Switch . . . Mounts in front of head, conveniently accessible to right or left hand of operator.

Benefit: Has a shrouded start button to prevent accidental starts and a protruding stop button for quick, emergency stops.

K. Quick-Release, Adjustable Motor Mount . . . Belt tension release is provided by the pivoting motor mounting plate which has a reverse, self-locking taper on the spring-loaded, rubber-tipped plunger that quickly restores correct belt tension.

Benefit: Permits changing of belt position in seconds to save valuable production time—no tools are required. Convenient speed chart aids machine operator in selecting correct speed for working all types of materials.

L. Rugged Head Construction . . . The head of the "6 PLUS 6" and "VS6" is a massive, one-piece casting.

Benefit: This superior construction assures maximum rigidity, guaranteeing holes that are ROUND, TRUE TO SIZE and PERFECTLY STRAIGHT.

ROCKWELL QUALITY EXTRAS

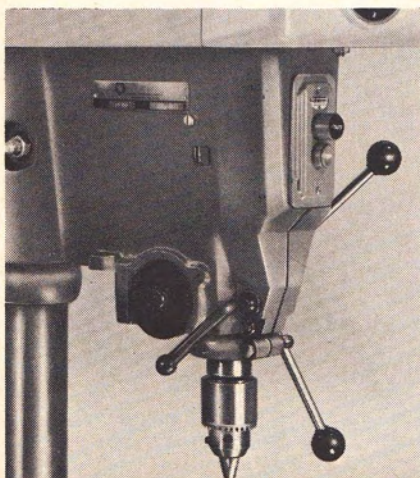
Multiple-spline drive that provides positive torque transmission and exact spindle alignment, assuring less vibration, smooth operation and more power at the spindle.

Precision ground spindle and dynamically balanced motor and spindle pulleys.

Worm screw adjustment feature that makes it easy to set the correct tension on the spindle return spring.

Extra long columns for added capacity and operator comfort. Columns have $\frac{5}{32}$ " wall thickness.

Rubber cushion ring that absorbs shock between head and stop rod collar and between head and mortising chisel holder while lock feature firmly holds these parts on quill to guarantee proper adjustment.



L.

MAKE SPECIAL-PURPOSE MACHINES WITH THESE DRILL PRESS COMPONENTS

(Used with Rockwell Delta "6 PLUS 6" and "VS6" 15" Drill Press Heads)

No. 15-804 Column, $2\frac{3}{4}$ " x $33\frac{3}{4}$ ", with $\frac{5}{32}$ " wall thickness. 13 lbs.

No. 15-805 Column, $2\frac{3}{4}$ " x $38\frac{3}{4}$ ", with $\frac{5}{32}$ " wall thickness. 15 lbs.

No. 15-806 Column, $2\frac{3}{4}$ " x $65\frac{1}{4}$ ", with $\frac{5}{32}$ " wall thickness. 24 lbs.

No. 15-810 Column, $2\frac{3}{4}$ " x 78", with $\frac{5}{32}$ " wall thickness. 30 lbs.

No. 15-010 (old 1010) Collar, head or table support, for column, 2 lbs.

No. 15-019 (old 1019) Flange, for mounting column on table, with screws, 10 lbs.

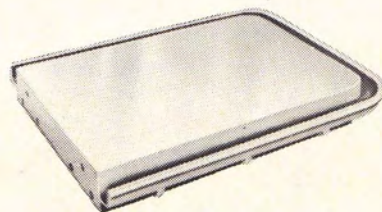
No. 15-030 (old 1030) Counterbalance, complete assembly includes spring, chain, column top casting, ball bearing roller and screws. Cannot be used with columns shorter than $38\frac{3}{4}$ ". 9 lbs.

No. 15-615 (old 1516) Production Table*, 14 x 16" ground work surface, for single spindle bench models. This table cannot be mounted on 50-399 Legs. 100 lbs.

No. 15-715 (old 1517) Production Table*, $19\frac{1}{2}$ " x 28" ground work surface, for two spindle models. For bench or floor models, fits 50-399 Legs. 240 lbs.

No. 15-814 Production Table*, 23 x 54" ground work surface, for three or four spindle models. For bench or floor models, fits 50-399 Legs. 465 lbs.

No. 15-155 (old 1505) Production Table, center section, $23\frac{3}{8}$ " front to rear x 30" left to right ground work surface with $1\frac{1}{2}$ " coolant trough. 365 lbs.

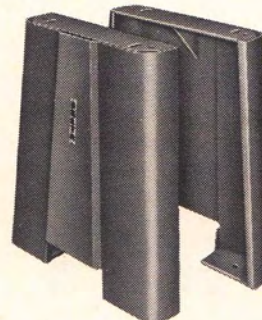


No. 15-751 (old 1507) Production Table, end section, $23\frac{3}{8}$ " front to rear x $32\frac{1}{2}$ " left to right ground work surface with $1\frac{1}{2}$ " coolant trough and $\frac{3}{4}$ " pipe tap at end. 352 lbs.

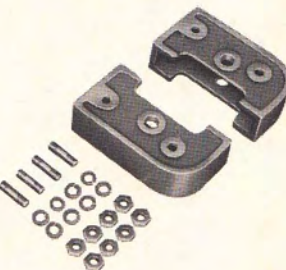
Sturdy table center and end sections with accurately ground work surfaces can be used for multiple spindle drill presses or machines. On these sections any type of 15" or 17" head can be easily installed and on centers which meet your individual needs. This means that the maximum amount of flexibility is assured—you can have all 15" or 17" heads on one machine or a combination of both—you can have them spaced at any distance you desire—close together or far apart. Minimum center to center distances for columns are: Super Hi-Speed 14"—9"; 15"—12"; 17"—15"; Power Feed 17"—18"; 20"—13"; Power Feed 20"—15".

IMPORTANT . . . Give these specifications with order: (1) number of drill press heads needed, (2) if 15, 17 or 20" heads, (3) spacing between heads, (4) if table is to be completely assembled, (5) if table should be drilled and tapped for mounting flanges.

No. 50-506 Leg, Steel, $27\frac{1}{2}$ " high for mounting production tables. Cannot be used with 14" Super-Hi drill press tables. 50 lbs.



No. 50-399 Legs, Steel, one pair, $27\frac{1}{2}$ " high for mounting production tables. Cannot be used with 14" Super-Hi drill press tables. 100 lbs.



No. 50-400 Riser Blocks, cast iron, one pair, 2" high with studs, nuts and lock washers for mounting under legs 50-399 and 50-506. One pair required for each single leg to raise machine 2". Two blocks can be stacked to raise machine 4". 8 lbs.

**These tables can be supplied blank or drilled and tapped for Mounting Flange No. 15-019.*

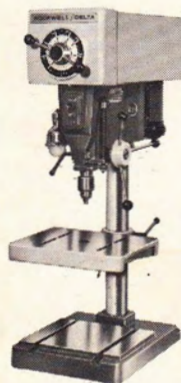
ROCKWELL DELTA 6" STROKE 15" DRILL PRESSES



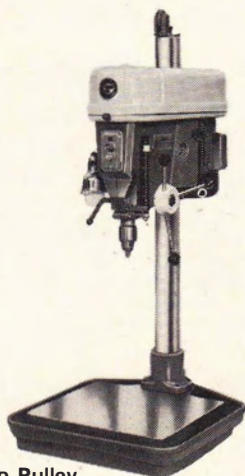
**Variable Speed
6" Stroke Floor Model**
with tilting table and
key chuck spindle.
Available with pro-
duction table and No.
2 M.T. spindle on
both "6 PLUS 6" and
"VS6" Models.



**6-Step Pulley
6" Stroke Floor Model** with pro-
duction table, key chuck spindle
and air feed. Available with til-
ting table and No. 2 M.T. spindle
on both "6 PLUS 6" and "VS6"
Models.

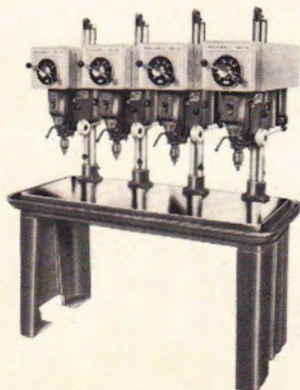


**Variable Speed
6" Stroke Bench Model**
with tilting table and key
chuck spindle. Available
with No. 2 M.T. spindle
on both "6 PLUS 6" and
"VS6" Models.



**6-Step Pulley
6" Stroke Bench Model** with
production table and key
chuck spindle. Available
with No. 2 M.T. spindle
on both "6 PLUS 6" and
"VS6" Models.

**Variable Speed
6" Stroke Multiple Spindle
Model** . . . available in 2,
3, 4, 5, 6, or 8 spindles
with $\frac{1}{2}$ " key chuck or No.
2 M.T. spindle on both "6
PLUS 6" and "VS6" Mod-
els. Can be ordered as
cataloged, or custom as-
sembled using any combi-
nation of "VS6" and "6
PLUS 6" Heads with any
number of spindles from
one to a drill press a
block long if desired.



Choose from 44 models and get the machine best suited for your job!

Now! you can overcome the squeeze on your profits due to higher material, labor and marketing costs. How? By cutting costs at the only remaining level—the production line.

Rockwell Delta's modern 15" Drill Presses—the "6 PLUS 6" and "VS6"—make such production savings possible through their exceptional capacity and versatility. They provide the *extra wide* range of speeds needed for drilling everything from hardened tool steel to aluminum, plastic and wood. They offer the *extra drilling depth* required for deep-hole applications like skip and gang drilling . . . also the *extra stroke* necessary for clearing jigs and fixtures.

Let us PERFORMANCE-PROVE these "champions" for you today . . . show you how they can help your profit picture!

MACHINE DATA

Overall Dimensions:

Bench Model (With Tilting Table):

Height ("6 PLUS 6")	40"; ("VS6")	42 $\frac{1}{2}$ "
Width		14"
Front to Rear ("6 PLUS 6")	25 $\frac{1}{8}$ "; ("VS6")	27 $\frac{7}{8}$ "

Floor Model:

Height ("6 PLUS 6")	71 $\frac{1}{2}$ "; ("VS6")	74"
Width (Tilting Table)		15 $\frac{1}{2}$ "
Width (Production Table)		21 $\frac{1}{2}$ "
Front to Rear ("6 PLUS 6")	26"; ("VS6")	27 $\frac{7}{8}$ "

Table Working Surface, Ground:

Tilting	11 x 14"
Production (Overall)	15 $\frac{1}{2}$ x 21 $\frac{1}{2}$ "
Production (Inside of Coolant Trough)	12 x 18"

Base Working Surface:

Bench Type, Ground, ($\frac{1}{16}$ " T-Slots on 8" Centers)	10 $\frac{1}{4}$ x 12 $\frac{3}{4}$ "
Bench Type, Ground, (With Coolant Trough)	14 x 16"
Floor Type, ($\frac{1}{16}$ " T-Slots on 8" Centers)	11 $\frac{1}{4}$ x 14"

Quill:

Stroke	.6"
Diameter	.2"

Capacities:

Key Chuck	0 to $\frac{1}{2}$ "
Dia. Hole in Cast Iron	$\frac{5}{8}$ "
Dia. Hole in Steel	$\frac{1}{2}$ "

Spindle Speeds ("6 PLUS 6"):

With 1725 RPM Motor:	425, 600, 1100, 2050, 3900 and 5500 RPM
With 1140 RPM Motor:	280, 395, 725, 1355, 2575 and 3635 RPM

Spindle Speeds ("VS6"):

With 1725 RPM Motor	450 to 4700 RPM
With 1140 RPM Motor	300 to 3100 RPM

Column:

Wall Thickness	$\frac{5}{8}$ "
Diameter	2 $\frac{3}{4}$ "

Motor:

Accommodates NEMA 56 Frame Motors

STANDARD EQUIPMENT

All Models include spanner wrench for spindle adapters, belt and pulley guard, belt and motor pulley (motor pulley supplied with $\frac{3}{8}$ " bore unless $\frac{1}{2}$ " bore is specified), and self-ejecting safety chuck key on key chuck models only.

ROCKWELL DELTA 6" STROKE 15" DRILL PRESSES

SINGLE SPINDLE 6-STEP PULLEY MODELS (Less Motor and Control—See Below)

STANDARD TILTING TABLE—BENCH MODEL	STANDARD TILTING TABLE—FLOOR MODEL	PRODUCTION TABLE—FLOOR MODEL	PRODUCTION TABLE—BENCH MODEL—14 x 16" TABLE	HEAD ONLY
15-490 •No. 2 M.T. Spindle 167 lbs.	15-494 •No. 2 M.T. Spindle 190 lbs.	15-496 •†No. 2 M.T. Spindle 248 lbs.	15-492 **†No. 2 M.T. Spindle 245 lbs.	15-488 No. 2 M.T. Spindle 72 lbs.
15-491 •½" Key Chuck 167 lbs.	15-495 •½" Key Chuck 190 lbs.	15-497 •†½" Key Chuck 248 lbs.	15-493 **†½" Key Chuck 245 lbs.	15-489 ½" Key Chuck 72 lbs.

SINGLE SPINDLE VARIABLE SPEED MODELS (Less Motor and Control—See Below)


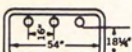
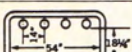
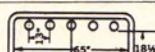
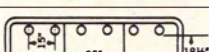
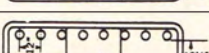
§15-470 •No. 2 M.T. Spindle 185 lbs.	§15-466 •No. 2 M.T. Spindle 210 lbs.	§15-468 •†No. 2 M.T. Spindle 265 lbs.	§15-472 **†No. 2 M.T. Spindle 230 lbs.	§15-474 No. 2 M.T. Spindle 94 lbs.
§15-471 •½" Key Chuck 185 lbs.	§15-467 •½" Key Chuck 210 lbs.	§15-469 •†½" Key Chuck 265 lbs.	§15-473 **†½" Key Chuck 230 lbs.	§15-475 ½" Key Chuck 94 lbs.

•Includes 15-010 (Old 1010) Safety Collar. †Includes 15-008 (Old 1008) Table Raising Mechanism. ‡Counterbalance for raising and lowering head is included. *1½" coolant trough with ¾" pipe on each side. **1½" coolant trough with two ¾" pipe taps at rear. All models

include belt and motor pulley.

§NOTE: Variable Speed Models furnished only with electricals, factory mounted and wired, ready to run.

MULTIPLE SPINDLE MODELS (Less Motors and Controls—See Below)

NO. OF SPINDLES		6-STEP PULLEY NO. 2 M.T. SPINDLE	VARIABLE SPEED NO. 2 M.T. SPINDLE	6-STEP PULLEY ½" KEY CHUCK SPINDLE	VARIABLE SPEED ½" KEY CHUCK SPINDLE
2 Spindle — ¾" Pipe Tap at Rear		15-498 622 lbs.	§15-476 626 lbs.	15-499 622 lbs.	§15-477 626 lbs.
3 Spindle — ¾" Pipe Tap at Rear		15-500 1065 lbs.	§15-478 1070 lbs.	15-501 1065 lbs.	§15-479 1070 lbs.
4 Spindle — ¾" Pipe Tap at Rear		15-502 1120 lbs.	§15-480 1160 lbs.	15-503 1120 lbs.	§15-481 1160 lbs.
5 Spindle — Two ¾" Pipe Taps at Ends		15-504 1425 lbs.	§15-482 1465 lbs.	15-505 1425 lbs.	§15-483 1465 lbs.
6 Spindle — Two ¾" Pipe Taps at Ends		15-506 2025 lbs.	§15-484 2045 lbs.	15-507 2025 lbs.	§15-485 2045 lbs.
8 Spindle — Two ¾" Pipe Taps at Ends		15-508 2304 lbs.	§15-486 2318 lbs.	15-509 2304 lbs.	§15-487 2318 lbs.

All models include belts and motor pulleys. Spindle to table maximum with No. 2 M.T. Spindle, 23½". Spindle to table maximum with ½" key chuck, 24¾".

The 2, 3 and 4 spindle drill presses all have one piece tables. The 5, 6 and 8 spindle drill presses have sectional tables. Tables on multiple

spindle units have 1½" coolant trough. Working surface is 32" from the floor. Counterbalance for raising and lowering heads is included. Sectional table units with three sections have three steel legs—all other multiple spindle units have two legs.

§NOTE: Variable Speed Models furnished only with electricals, factory mounted and wired, ready to run.

MOTORS AND CONTROLS (Factory Mounted and Wired)

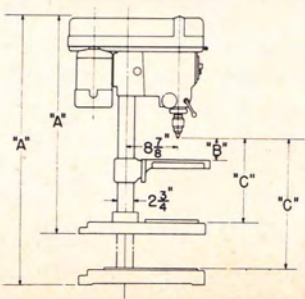
MOTOR	MOTOR CONTROL	MOTOR ENCLOSURE	HERTZ & MOTOR RPM	MOTOR VOLTAGE	SHIP. WT (LBS.)	CAT. NO.	CAT. NO. 200V	CAT. NO. *SPECIAL	CAT. NO. *SPEC. 200V
Single Phase, ½ Horsepower	Push Button Switch Only	GD	60 — 1140	115/230	46	49-449			
	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	GD	60 — 1140	115/230	49	49-702		49-801	
Single Phase, ¾ Horsepower	Push Button Switch Only	TEFC	60 — 1725	115/230	31	49-703			
	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60 — 1725	115/230	35	49-704		49-802	
Three Phase, ½ Horsepower	Push Button Switch Only	GD	60—1140	230/460	32	49-403	49-913		
	Push Button Switch & Magnetic Starter	GD	60—1140	230/460	39	49-710	49-911	49-804	49-941
	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	GD	60—1140	230/460	44	49-711	49-912	49-805	49-965
Three Phase, ¾ Horsepower	Push Button Switch Only	TEFC	60—1725	230/460	31	49-712	49-966		
	Push Button Switch & Magnetic Starter	TEFC	60—1725	230/460	38	49-714	49-961	49-807	49-968
	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60—1725	230/460	35	†49-715	49-962	†49-808	52-061

NOTE: Single phase electricals will be supplied wired for 115 V, unless 230 V is specified. Three phase electricals will be supplied wired for 230 V, unless 460 V is specified. Power Cord and Plug supplied for single phase only. Motors and Motor Controls for Rockwell Delta 6" Stroke 15" Drill Presses may be ordered unmounted. For listing, see Sections P and Q. †No. 49-000 "JIC" Type Control Kit. Specify this Catalog Number, in addition to Three Phase Cat. No. 49-715, in order to obtain 15" Drill

Press with "JIC" type electricals, factory mounted and wired.

*Magnetic Starters or Overload Switches used in "special" kits are mounted behind the motor. These kits are recommended only for 8-spindle multiple spindle drill presses, or other 15" multiple spindle drill presses where the center to center distance between columns is less than 13 inches.

DIMENSIONAL DATA

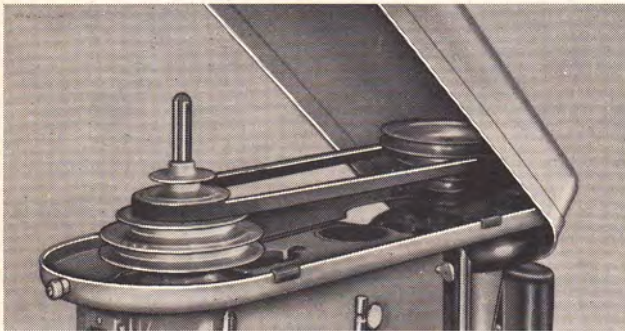


"6 PLUS 6" and "VS6" 15" DRILL PRESSES	½" KEY CHUCK MODELS				NO. 2 MORSE TAPER MODELS		
	Model	"A" Overall Height	"B" Spindle To Table (max.)	"C" Spindle To Base (max.)	"A" Overall Height	"B" Spindle To Table (max.)	"C" Spindle To Base (max.)
Bench Type With Production Table	VS6	50½	24¾	—	50½	23½	—
	6+6	48½	24¾	—	48½	23½	—
Bench Type With Standard Tilting Table	VS6	42½	12	16¾	42½	11½	15½
	6+6	40	12	16¾	40	11½	15½
Floor Type With Production Table	VS6	74	37½	47	74	36¾	46¾
	6+6	71½	37½	47	71½	36¾	46¾
Floor Type With Standard Tilting Table	VS6	74	43¾	47	74	42¾	46¾
	6+6	71½	43¾	47	71½	42¾	46¾

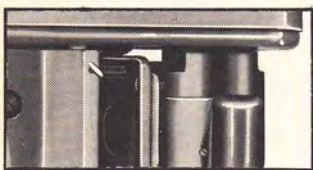
For complete range of accessories, see Section A8. For air feed, see Section A3, P. 5.

ROCKWELL DELTA 15" UTILITY DRILL PRESS

QUALITY FEATURES THAT MAKE THE 15" UTILITY DRILL PRESS YOUR BIGGEST DRILL PRESS VALUE!



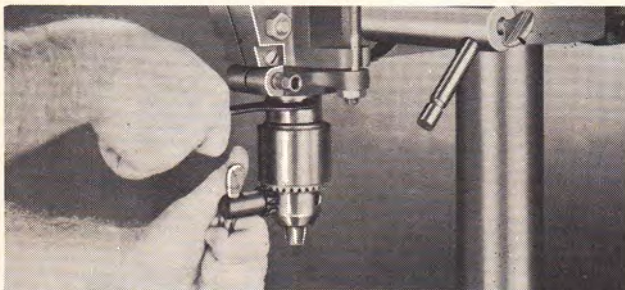
Full Belt Guard Full length and counter-balanced, it swings up, out of the way for easy speed changing. Gives complete protection.



Pivoting Motor Mounting Plate. Permits quick belt tension release for easy speed changes. A spring-loaded plunger, with reverse taper lock feature, holds belt tension constant.



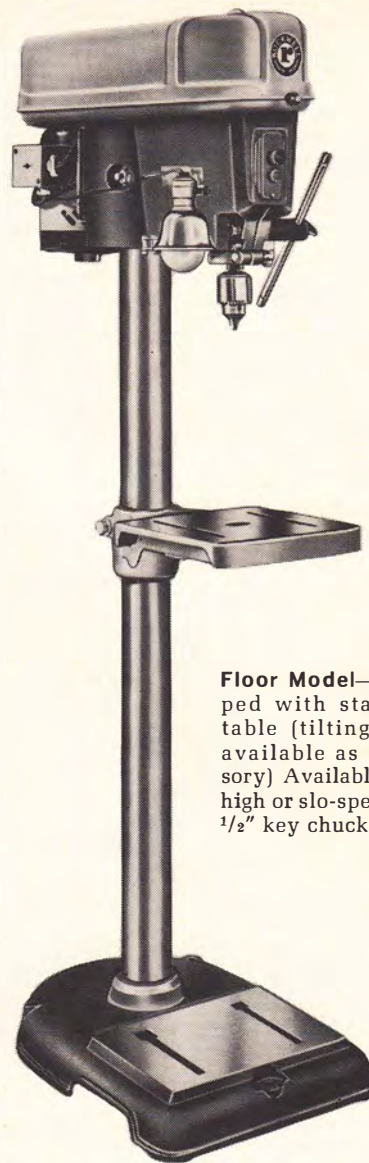
Many-Purpose Work Table. Side ledges and slots facilitate clamping of work to table. Accurately ground surface permits drilling to close tolerances.



Quick Change Spindle Adapter. Any of six interchangeable spindle adapters may be changed in seconds for dozens of operations varying from metal drilling to wood shaping.

PLUS THESE IMPORTANT EXTRAS:

- Choice of high speed—slow speed—floor or bench model—or full hinged guard.
- 6 Spindle adapters for unequalled versatility.
- Delta Quality construction throughout.
- Husky 2" quill for rigid spindle support.
- Easy adjustment to compensate for quill wear.
- Extra large spindle pulley bearing.
- Floating drive that transmits torque with no belt pull on spindle.
- Provision in head for Push Button Switch (optional accessory) to provide maximum safety and convenience for operator.



Floor Model—Equipped with standard table (tilting table available as accessory) Available with high or slow-speed and 1/2" key chuck.

Big! Rugged! Built to Last!

These are the qualities that every user wants and gets in the Rockwell Delta 15" Utility Drill Press. It's a man-sized machine designed for heavy duty production work—perfect for schools and commercial wood or metalworking shops, yet priced right down to the small shop budget.

You get Delta Quality construction throughout—lubricated-for-life ball bearings . . . dynamically balanced spindle pulley . . . floating spindle drive . . . big 2" quill . . . full 4 5/8" quill stroke and many other important features.

Don't let the low price tag of this Rockwell Delta 15" Utility Drill Press mislead you. It will capably handle many of the production jobs ordinarily done by heavy, fixed machines. It can easily be moved in and out of the production line to relieve production bottlenecks. And it offers the job versatility required in commercial and school shops.

Investigate this BIG VALUE!

ROCKWELL DELTA 15" UTILITY DRILL PRESS

MACHINE DATA

Overall Dimensions:

Bench Type	
Height	37 ¹ / ₂ " ; Width 13"
Front to Rear	24 ¹ / ₈ "
Floor Type	
Height	68 ¹ / ₂ "
Width	
Standard Table	15 ¹ / ₂ "
Production Table—Available as an Accessory	21 ¹ / ₂ "
Front to Rear	23 ⁷ / ₈ "

Table Working Surface:

Standard	10 x 10 ¹ / ₂ "
Production—Available as an Accessory	
Ground Surface	12 x 18"
Ground Surface, including Coolant Trough	15 ¹ / ₂ x 21 ¹ / ₂ "

Base Working Surface:

Bench Type	9 x 10" ; Floor Type 8 ¹ / ₂ x 12"
------------	--

Quill:

Stroke	4 ⁵ / ₁₆ " ; Diameter .2"
--------	---

Capacities:

Key Chuck	⁵ / ₁₆ " to ¹ / ₂ "
Dia. Hole in Cast Iron	¹ / ₂ "
Dia. Hole in Steel	³ / ₈ "
Chuck to Table (Max.)	
Bench Model	11 ¹ / ₂ " Floor Model 42 ⁵ / ₁₆ "
Chuck to Base (Max.)	
Bench Model	17" ; Floor Model 47 ¹ / ₄ "

Spindle Speeds:

With 1725 rpm Motor	
High Speed Model	680, 1250, 2400, 4600 rpm
Slow Speed Model	470, 780, 1300, 1950 rpm
With 1140 rpm Motor	
High Speed Model	450, 825, 1585, 3040 rpm
Slow Speed Model	310, 515, 860, 1290 rpm

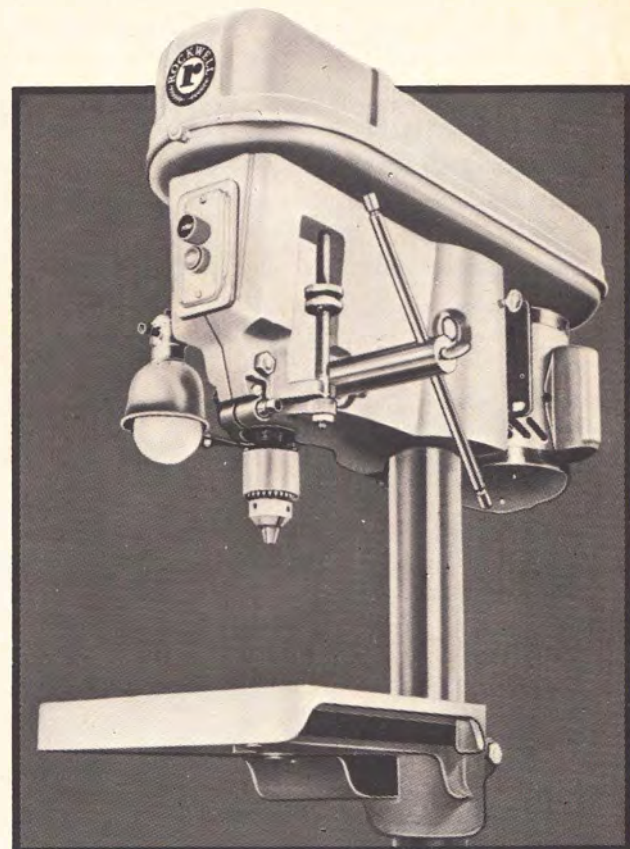
Column Diameter .23³/₄"

Motor:

Accommodates NEMA Frame Motors 48 and 56

STANDARD EQUIPMENT

All Models include Self-ejecting Safety Chuck Key. Slo-Speed Models and Heads include 49-167 V-belt, 41-703 Motor Pulley, ⁵/₈" bore, unless ¹/₂" bore is specified. High-Speed Models and Heads include 49-168 V-belt, 41-703 Motor Pulley, ⁵/₈" bore, unless ¹/₂" bore is specified. Front or Full Belt Guard also included.



CATALOG LISTING

SINGLE SPINDLE 4-STEP PULLEY 4-5/16" STROKE MODELS (Less Motor and Control—See Below)

BENCH MODELS	FLOOR MODELS	HEADS ONLY
Standard Table 1/2" Key Chuck	Standard Table 1/2" Key Chuck	1/2" Key Chuck
15-067 Slo-Speed 122 lbs.	15-077 Slo-Speed 150 lbs.	15-057 Slo-Speed 64 lbs.
15-068 High-Speed 122 lbs.	15-078 High-Speed 150 lbs.	15-058 High-Speed 64 lbs.

MOTORS AND CONTROLS (Factory Mounted and Wired)

MOTOR	MOTOR CONTROL	MOTOR ENCLOSURE	HERTZ AND MOTOR RPM	MOTOR VOLTAGE	SHIP. WT. (LBS.)	CATALOG NUMBER	CAT. NO. 200V
Single Phase, 1/2 Horsepower	Push Button Switch Only	TEFC	60 — 1725	115/230	26	49-700	
	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60 — 1725	115/230	30	49-701	
	Push Button Switch Only	Guarded Drip Proof	60 — 1140	115/230	46	49-449	
	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	Guarded Drip Proof	60 — 1140	115/230	49	49-702	
Three Phase, 1/2 Horsepower	Push Button Switch Only	TEFC	60 — 1725	230/460	28	49-705	49-955
	Push Button Switch & Magnetic Starter	TEFC	60 — 1725	230/460	33	49-707	49-957
	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60 — 1725	230/460	35	49-708	49-958
	Push Button Switch Only	Guarded Drip Proof	60 — 1140	230/460	33	49-403	49-913
	Push Button Switch & Magnetic Starter	Guarded Drip Proof	60 — 1140	230/460	39	49-710	49-911
	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	Guarded Drip Proof	60 — 1140	230/460	44	49-711	49-912

NOTE: Single phase electricals will be supplied wired for 115 V, unless 230 V is specified. Three phase electricals will be supplied wired for 230 V, unless 460 V is specified. Power Cord and Plug supplied for single phase

only. Motors and Motor Controls for Rockwell Delta 15" Utility Drill Presses may be ordered unmounted. For listing, see Sections P and Q.

For complete range of accessories, see Section A8.

ROCKWELL DELTA 14" SUPER-HI SENSITIVE DRILL PRESS

QUALITY FEATURES THAT MAKE THE SUPER-HI SENSITIVE DRILL PRESS AN OUTSTANDING VALUE

- **Quill Counterbalanced**—through holes are drilled without quill drop at breakthrough point. Drill breakage eliminated.
- **Quill** locks at any position.
- **Four Ball Bearings**, specially selected, preloaded, and lubricated-for-life.
- **Dynamically Balanced**, fully machined, aluminum pulleys.
- **Spindle Pulley** taper-hole mounted.
- **14-Spline Spindle Drive** through feather-light floating sleeve.
- **Specially Selected Chuck** mounted on zero precision, tapered spindle nose.
- **Comfortable**, knurled feed wheel and separate feed lever provided. Lever adjustable to most convenient position.
- **Head** adjustable to any height on column.
- **Table** has accurately ground work surface and coolant trough with tapped drain hole.
- **Motor** specially selected and dynamically balanced.

MACHINE DATA

Column diameter $2\frac{3}{4}$ "

Quill stroke $2\frac{1}{4}$ "

Capacity:

Chuck holds from $\frac{1}{4}$ " down to #80 (.0135")

Spindle to column 7"

Spindle to table $20\frac{1}{2}$ "

Motor rating $\frac{1}{3}$ HP

Spindle speeds:

With 3450 rpm motors:

Standard 12000, 8000 and 5000 rpm

*Available 10000, 7000 and 4500 rpm

†Available 9000, 6200 and 4000 rpm

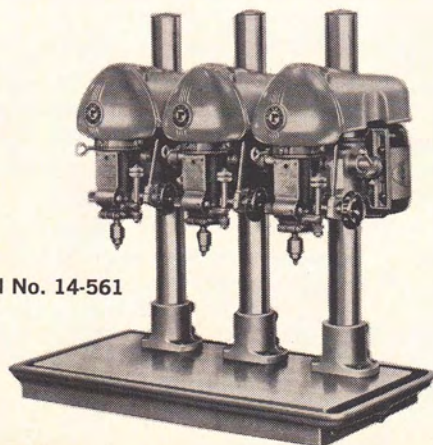
*Order No. 14-829 Pulley extra.

†Order No. 14-830 Pulley and Belt Set extra.

STANDARD EQUIPMENT

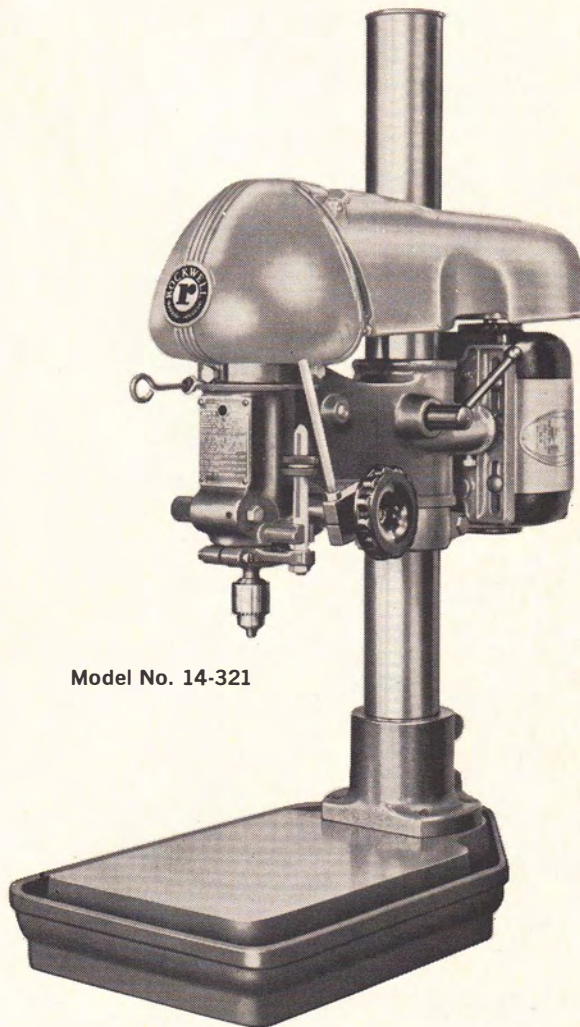
Motor pulley; spindle pulley; flat belt; chuck with self-ejecting safety key; adjustable depth-of-hole stop; belt and pulley guards; head support collar; column-hole plug; motor with on-and-off switch, cord and plug*; and switch rod*.

*Switch, cord and plug, and switch rod are not standard equipment with three phase models.



Model No. 14-561

This sensitive drilling machine . . .
with speeds up to 12,000 rpm . . .
can solve your special problems



Model No. 14-321

- **Drills tiny holes** ■ **Drills accurate holes** ■ **Speeds up production** ■ **Reduces drill breakage** ■ **Eliminates work spoilage**

This Rockwell Delta Super-Hi Sensitive Drill Press meets the special problems of small hole drilling. It's ideal for manufacturers of jewelry, carburetors, brass fittings, electronic devices and specialty parts where small hole drilling is a problem.

While recommended for all drillable materials, it is especially suitable for non-ferrous metals like brass, copper, aluminum and all the precious metals. Also ideal for phenolics.

No other machine offers high speeds, sensitivity, accuracy and vibration-free operation at anywhere near the price.

As a special bonus for owners of standard presses, the separate heads shown on the opposite page, complete with motors, fit all $2\frac{3}{4}$ " diameter columns. No need to discard present columns, tables and bases.

See This BIG VALUE Today!

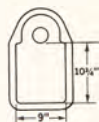
ROCKWELL DELTA 14" SUPER-HI SENSITIVE DRILL PRESS

CATALOG LISTING

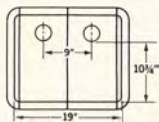
These models of the Super-Hi Drill Press include standard equipment as listed on page at left.

NOTE: Take drills from No. 80 to $\frac{1}{4}$ ". Coolant Pump and Tank can be used when production type table is used with Super-Hi Drill press. Table Drain Hole — Single spindle model has two $\frac{3}{8}$ " Pipe Tap at rear—two, three and four-spindle models have two $\frac{1}{2}$ " Pipe Tap at rear. See Section D1 for Coolant Equipment, Accessories and Dimensions.

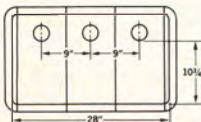
SINGLE SPINDLE
(1 Piece Table)



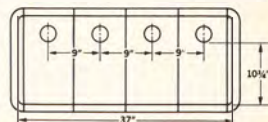
2 SPINDLE
(Sectional Table)



3 SPINDLE
(Sectional Table)



4 SPINDLE
(Sectional Table)



With $\frac{1}{2}$ H.P. Single Phase Motor 115/230 V 60 Hz. 3450 R.P.M.—SPINDLE SPEEDS: 12,000, 8,000 and 5,000 R.P.M. With Switch Rod.

Number Table Surface Ship. Wt.	14-321 10 $\frac{3}{4}$ x 9 140	14-551 10 $\frac{3}{4}$ x 19 368	14-561 10 $\frac{3}{4}$ x 28 498	14-571 10 $\frac{3}{4}$ x 37 686
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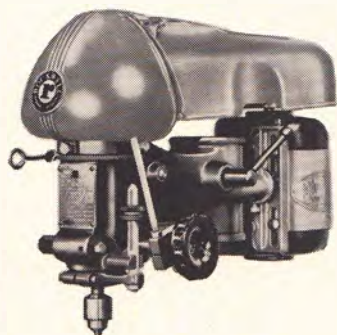
With $\frac{1}{2}$ H.P. 3 Phase Motor 230/460 V, 60Hz, 3450 R.P.M.—SPINDLE SPEEDS: 12,000, 8,000 and 5,000 R.P.M. Switch and Switch Rod not furnished. No. 49-838 Manual Starter and No. 49-633 Mounting Bracket Recommended.

Number Table Surface Ship. Wt.	14-326 10 $\frac{3}{4}$ x 9 140	14-502 10 $\frac{3}{4}$ x 19 368	14-503 10 $\frac{3}{4}$ x 28 498	14-504 10 $\frac{3}{4}$ x 37 686
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You can make up your own single or multiple spindle Super-Hi Drill Press by ordering component parts as listed below.

SUPER-HI DRILL PRESS HEADS

Fit Rockwell Delta 14", 15" Or Any
2 $\frac{3}{4}$ " Drill Press Column



STANDARD EQUIPMENT FOR HEADS

Each unit includes specially balanced motor, belt guard, belt and pulley set for the speed listed, and special key chuck taking drills from No. 80 to $\frac{1}{4}$ ". 115V 8-foot cord, 3-prong grounding type plug, switch and 1331 switch rod furnished on single phase motors only.

No. 14-821 Head only with $\frac{1}{2}$ HP, Single Phase, 3450 rpm, 115/230V, 60 Hertz Motor and Switch Rod. Speeds: 12,000, 8,000 and 5,000 rpm. 79 lbs.

No. 14-826 Head only with $\frac{1}{2}$ HP, 3 Phase, 3450 rpm, 230/460 V, 60 Hertz Motor. Switch and Switch Rod not furnished but 49-838 Switch is recommended. Speeds: 12,000, 8,000 and 5,000 rpm. 79 lbs.

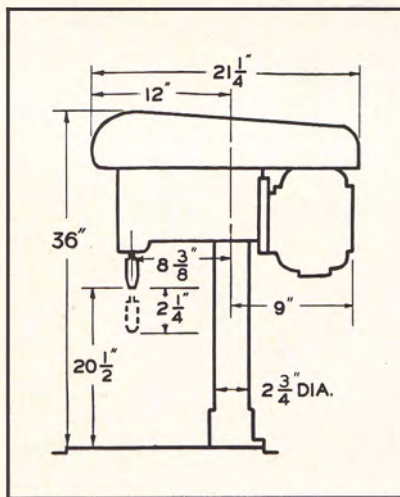


TABLE SECTIONS AND COLUMN PARTS

Minimum center to center distance for column is 9".

No. 14-836 Table Section, 9" x 15 $\frac{5}{8}$ ", for Super-Hi—no ends. 50 lbs. (For other sections, see Page 2, Section A4.)

No. 14-837 Two End Sections, $\frac{1}{2}$ " x 15 $\frac{5}{8}$ ", for Super-Hi sectional table. 25 lbs. (For other sections, see Page 2, Section A4.)

No. 14-840 One Piece Table, 9" x 10 $\frac{3}{4}$ ". 40 lbs.

No. 15-804 Column, 2 $\frac{3}{4}$ " dia. x 33 $\frac{3}{4}$ " long, with $\frac{5}{32}$ " wall thickness. 13 lbs.

No. 15-805 Column, 2 $\frac{3}{4}$ " x 38 $\frac{3}{4}$ ", with $\frac{5}{32}$ " wall thickness. 15 lbs.

No. 15-806 Column, 2 $\frac{3}{4}$ " x 65 $\frac{1}{4}$ ", with $\frac{5}{32}$ " wall thickness. 24 lbs.

No. 15-810 Column, 2 $\frac{3}{4}$ " x 78", with $\frac{5}{32}$ " wall thickness. 30 lbs.

No. 15-010 (old 1010) Head-Support Collar for Column. 2 lbs.

No. 15-019 (old 1019) Column Mounting Flange and Screws. 10 lbs.

PULLEY AND BELT UNITS

No. 14-829 Spindle Pulley for 3450 rpm motors offering speeds: 10,000, 7,000 and 4,500 rpm. $\frac{1}{2}$ lb.

No. 14-830 Spindle Pulley and 14-834 Belt for 3450 rpm motors offering speeds: 9,000, 6,200 and 4,000 rpm. $\frac{1}{2}$ lb.

No. 14-833 Std. Flat Belt, 39" long. $\frac{1}{4}$ lb.

No. 14-834 Flat Belt, 39 $\frac{1}{2}$ " long. $\frac{1}{4}$ lb.

THREE PHASE CONTROLS

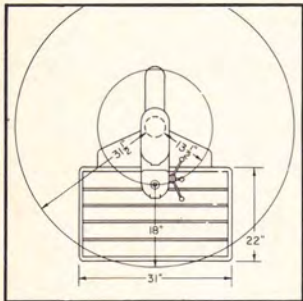
No. 49-665 Starter, Magnetic. For 60 cy, 200-230/460 V. Provides low-voltage, no-voltage and overload protection. Does not include No. 49-842 start-stop control station. Specify motor number and voltage when ordering. 11 $\frac{1}{2}$ lbs.

No. 49-842 Magnetic Starter Control Push Button Switch Kit. Provides integral start-stop control station for 49-665 Starter. 1 lb.

No. 49-633 Mounting Bracket. Used with 49-665 Starter on single spindle drill presses only. 3 lbs.

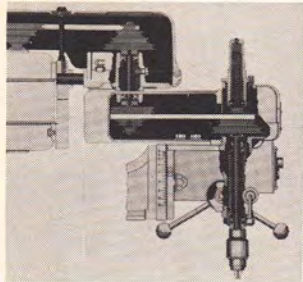
For complete range of accessories,
see Section A8

FEATURES THAT PROVIDE THE PERFORMANCE AND VERSATILITY OF MACHINES COSTING MORE THAN TWICE AS MUCH!



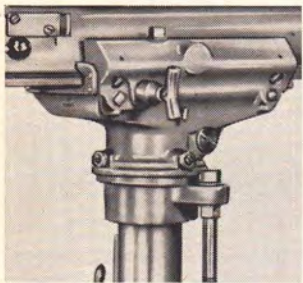
(Left) **Wide Drilling Range for Full Versatility.** The ram has a big 18" travel that permits drilling to the center of a 62" circle. Head, ram and cradle swing a full 360° around the column for drilling anywhere on the massive table or on work that must be kept on the floor.

(Right) **Head Tilt Adjustments Are Easily Made.** Head tilts a full 45° right or left. Easy-to-read head tilt angle scale permits setting of head at exact angle desired. Double locks—one on each side of head—securely lock head to prevent angle deviation under heavy loads.



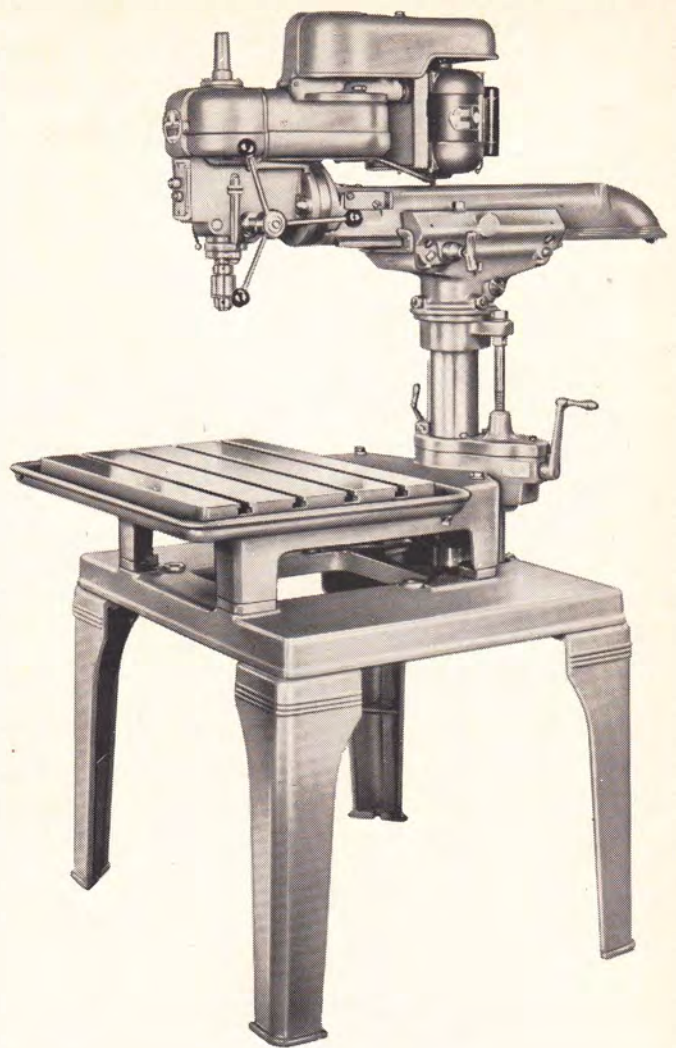
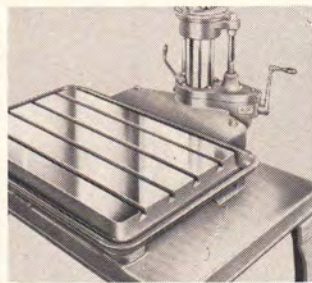
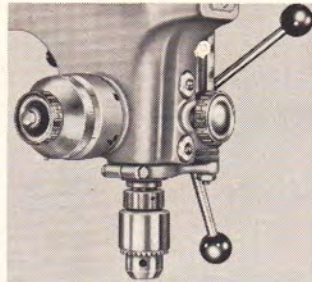
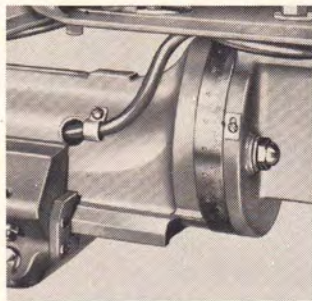
(Left) **Jack Shaft Assembly Provides Wide Multiple-Speed Range.** The built-in ball bearing Jack Shaft assembly provides for easy selection of 16 different speeds from 175 to 8200 rpm with a 1725 rpm motor (115 to 5400 rpm with an 1140 rpm motor). You get the right speed for every drilling operation.

(Right) **Convenient Controls for Extra Operating Ease.** 6" spindle travel model, with single point spindle lubrication, has calibrated depth indicator which shows exact drill penetration. Also features a quill lock knob, two quill wear adjustment screws and an adjustable spindle return stop control.



(Left) **Ball Bearing Construction Facilitates Ram and Drill Head Movement.** Cradle has eight ball bearings placed on an eccentric to permit take-up for wear and provide easy glide movement of ram. Thirty-eight ball bearings in support collar facilitate movement of drill head in a complete circle.

(Right) **Massive Table—Convenient Head Raising Mechanism.** Big 18 x 26" cast iron, machined table has four "T" slots and oil trough tapped to accommodate 1/2" pipe. Handle on right permits rapid raising or lowering of head mechanism.



Drills to Center of a 62" Circle

Rugged built, this economically-priced radial drill press offers the extras usually found only in heavy, fixed machinery:

Extra Drilling Capacity. You can take the drill head right to the work . . . tilt it up to 45° right or left . . . swivel the head 360° for operations either on or off the table.

Extra Wide Speed Range. Built-in jack shaft assembly provides 16 different speeds from as low as 115 rpm to as high as 8200 rpm—the right speed for any job.

Extra Big Capacity. You get a long 42-inch column for extra spindle nose to table capacity, also a big 6" quill stroke with a ram travel of 18". This means you can handle even the BIGGEST jobs.

If you need a radial drill press that's ideal for rapid, precision drilling of large, heavy stock, sheet stock, panels and similar materials, ask for complete information on this Rockwell Delta machine today!

STANDARD EQUIPMENT

All Models (excluding Radial Drill Heads) include head, jack shaft assembly, ram, cradle, column, table, raising mechanism, belt guards, 41-772 motor pulley, 49-287 (old 287) V-belt (31 1/8" OC) and 49-105 V-belt (30 1/8" OC). Key chuck models include self-ejecting safety chuck key and spanner wrench for spindle adapters. No. 65-863 Floor Stand not included.

ROCKWELL DELTA RAM TYPE RADIAL DRILL PRESS

CATALOG LISTING

MODEL	MODELS (LESS FLOOR STAND) (Less Motor and Control—See Below)		HEADS WITH AND WITHOUT JACKSHAFT (Less Motor and Control—See Below)			
	COLUMN LENGTH AND TYPE OF SPINDLE		RADIAL DRILL HEADS ONLY (INCLUDING 49-105 V-BELT)		RADIAL DRILL HEADS WITH JACK SHAFT (INCLUDING BELT GUARDS, 41-772 MOTOR PULLEY, 49-287(OLD287) AND 49-105 V-BELTS)	
	42-INCH		TYPE OF SPINDLE		TYPE OF SPINDLE	
	NO. 2 MORSE TAPER	½" KEY CHUCK	NO. 2 MORSE TAPER	½" KEY CHUCK	NO. 2 MORSE TAPER	½" KEY CHUCK
6" Spindle Travel Model	15-116 570 lbs.	15-117 570 lbs.	15-120 71 lbs.	15-121 71 lbs.	15-124 154 lbs.	15-125 154 lbs.

MOTORS AND CONTROLS (Factory Mounted and Wired)

MOTOR	MOTOR CONTROL	MOTOR ENCLOSURE	HERTZ AND MOTOR RPM	MOTOR VOLTAGE	SHIP. WT. (LBS.)	CATALOG NUMBER	CAT. NO. 200V
Single Phase, ½ Horsepower	Push Button Switch Only	Guarded Drip Proof	60—1725	115/230	31	49-716	
	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	Guarded Drip Proof	60—1725	115/230	36	49-717	
Three Phase, ½ Horsepower	Push Button Switch Only	Guarded Drip Proof	60—1725	230/460	28	49-718	52-024
	Push Button Switch & Magnetic Starter	Guarded Drip Proof	60—1725	230/460	30	49-720	52-026
	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	Guarded Drip Proof	60—1725	230/460	36	49-721	52-027
	Push Button Switch Only	Guarded Drip Proof	60—1140	230/460	32	49-722	52-028
	Push Button Switch & Magnetic Starter	Guarded Drip Proof	60—1140	230/460	41	49-724	52-030
	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	Guarded Drip Proof	60—1140	230/460	43	49-725	52-031

NOTE: Single phase electricals will be supplied wired for 115 V, unless 230 V is specified. Three phase electricals will be supplied wired for 230 V, unless 460 V is specified. Power Cord and Plug supplied for single phase

only. Motors and Motor Controls for Rockwell Delta Ram Type Radial Drill Presses may be ordered unmounted. For listing, see Sections P and Q.

MACHINE DATA

Overall Dimensions

Height	86"
Width	33"
Front to Rear.....	58"

Capacities

Key Chuck	0 to ½"
Dia. Hole in Cast Iron.....	½"
Dia. Hole in Steel.....	¾"
Column to ϕ of Spindle	
Maximum (Ram Forward).....	31"
Minimum (Ram Back).....	13"

*Spindle Nose to Table

With 42" Column.....	25½" to 23¾"
----------------------	--------------

Vertical Travel of Head Using Raising Mechanism .10"

Column3¾" dia.

Table

Ground Work Surface.....	26" wide x 18" deep
Has Four Parallel ½" T-slots on 4" centers	
1¾" Coolant Trough All Around with ½" Pipe Tap	

Quill

Stroke	6"
Diameter	11⅜"

Spindle Speeds16

Spindle Speeds

With 1725 rpm Motor: 175, 365, 380, 600, 695, 765, 1030, 1250, 1380, 1450, 2200, 2300, 2800, 4000, 4750, 8200 rpm	
With 1140 rpm Motor: 115, 240, 250, 395, 455, 505, 680, 825, 910, 960, 1450, 1520, 1850, 2640, 3130, 5400 rpm	

Head Tilts 90°45° Left, Vertical, 45° Right

***NOTE:** With ½" Key Chuck Spindle, jaws closed. Add ⅞" to all spindle nose to table dimensions for No. 2 M.T. Spindle.

RECOMMENDED ACCESSORY

No. 65-863 Floor Stand—For all Ram Type Radial Drill Presses. 216 lbs.
For complete range of accessories, see Section A8.



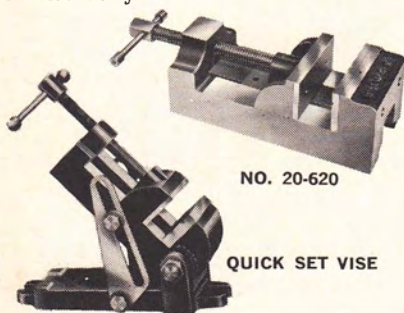
Rockwell Delta Ram Type Radial Drill Press gives you machine tool capacity and performance combined with power tool adaptability and versatility.

ROCKWELL DELTA DRILL PRESS ACCESSORIES

QUALITY ACCESSORIES THAT PROVIDE INCREASED JOB PERFORMANCE

ACCESSORIES FOR ALL ROCKWELL DELTA DRILL PRESSES

Handy, Quick-Set Vises—Raise to any angle. Side of vise accurately graduated for angle work. Accurately machined with base, body and sliding jaws of semi-steel—clamping jaws of hardened steel. Clamping screw has fine pitched thread and long bearing in vise body.



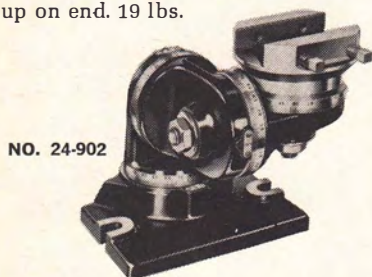
NO. 20-620

QUICK SET VISE

NO.	JAW	OPEN- ING	LENGTH	SHIP. WT.
†15-024 (Old 1024)	1 x 1 1/2"	1 3/8"	4 3/8"	4 lbs.
15-025 (Old 1025)	1 x 1 1/2"	1 3/8"	4 3/8"	6 1/2 lbs.
15-026 (Old 1026)	1 7/16 x 2 1/2"	2 1/2"	6 1/4"	9 lbs.
20-620	1 3/4 x 4"	4"	10 3/4"	19 lbs.

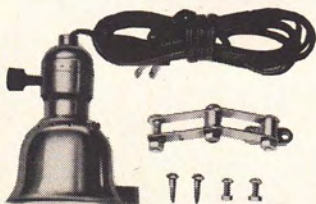
†No. 15-024 same as No. 15-025 but without raising feature.

No. 20-620 4" Drill Press Vise with steel jaw plates. Plate for fixed jaw has vertical and horizontal grooves for holding round pieces. Recommended for drilling, tapping, milling, bench work and other operations. Vise is machined so that it can be placed in the normal position, on either side, or it can be stood up on end. 19 lbs.



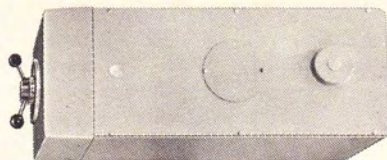
NO. 24-902

No. 24-902 Univise . . . First truly universal vise for grinding, drilling and milling. Can be set at any angle desired. Vise can be returned exactly to its original setting for duplicate grinding. Each station had a 360° circular scale. 16 lbs.



No. 40-882 (old 882) Lamp Attachment uses standard 15 or 25-watt bulb. Includes mounting bracket, shade, socket and 115 V 8-foot cord. 1 1/2 lbs.

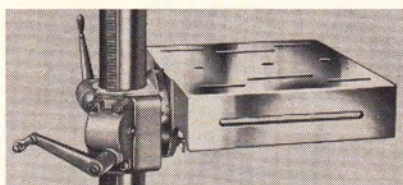
ACCESSORIES FOR SERIES 2000 AND 17" DRILL PRESSES



No. 17-822 Belt Guard Top Cover Plate. For Variable Speed (Spring Pulley Type) Drill Presses. Includes two oil hole plugs, cover plate for column hole and screws for mounting. 9 lbs.

No. 17-820 Drill Chuck—3-jaw type, 0-1/2" capacity, with No. 3 M.T. shank. Includes chuck key. Use with straight shank drills in a drill press with No. 3 M.T. spindle. 3 lbs.

ACCESSORIES FOR SERIES 2000 DRILLING MACHINES



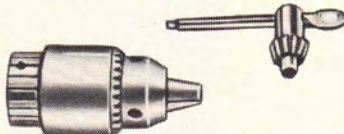
No. 20-660 Tilting Table—Table top and one side are finished to plane surfaces at right angles to one another. Tilts 90°, right and left. Ground work surface 16" front to back by 18" left to right, slotted, with tilt angle scale. Without 20-661 Raising Mechanism. For single spindle floor model drill press. 97 lbs.

No. 20-650 Production Table—15 x 18" ground work surface (including coolant trough, 19 1/4 x 22"). With 4 diagonal and 2 parallel blind T-slots for 1/2" bolts. Without 20-661 Raising Mechanism. For single spindle floor model drill presses. 112 lbs.

No. 20-661 Raising Mechanism—For head or table of 20" Drill Press. Fits Tables 20-660 and 20-650. Includes ball bearing thrust collar, rack, gear assembly and crank. 19 lbs.

No. 20-636 Booster Spindle Return Spring Kit—Includes clock spring with case, pinion shaft stub extension and instructions for field mounting on hand or power feed machines. Provides about 80 pounds of lift when used with the standard equipment spring. It is especially recommended when multiple spindle heads, tapping heads or other heavy tooling is mounted on quill or spindle of machine. 2 lbs.

ACCESSORIES FOR 17", "6 PLUS 6" AND "VS6" 15", 15" UTILITY AND RAM TYPE RADIAL DRILL PRESSES



No. 15-830 Drill Chuck—Key Chuck, 0-1/2" capacity, 3-jaw type, with threaded mounting collar and key. 1 1/2 lbs.

SPINDLE ADAPTERS



No. 15-832 Adapter with No. 1 M.T. hole, with threaded mounting collar. 2 lbs.



No. 15-833 Adapter with No. 2 M.T. hole, with threaded mounting collar. 1 lb.



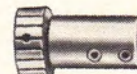
No. 15-835 Adapter, 1/2" shaft and flange. For cup, dish or straight grinding wheels. With mounting collar tapped 1 1/16"-20. 1 lb.

NOTE: Not suitable for use with Ram Type Radial Drill Press.



No. 15-836 Adapter with collars and threaded mounting collar for shaper cutters with 1/2" hole. 1 lb.

NOTE: Not suitable for use with Ram Type Radial Drill Press.



No. 15-837 Adapter, 1/2" hole, with threaded mounting collar for router and spur bits, etc. 1 lb.

No. 15-838 Spanner Wrench—1 1/2" x 5 3/4" long, with single lug for 7/32" hole. Recommended for threaded mounting collar of Drill Chuck 15-830 or Adapters 15-832, 15-833, 15-835, 15-836 and 15-837. 1/4 lb.

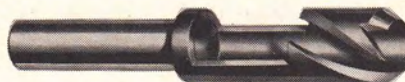
*Adapters cannot be used with old style Delta 17" Drill Presses. Fit only 1/2" Key Chuck Models with 1 1/16"-20 threaded spindle nose.



Machine Spur Bits—Production type. Made of selected steel. Have brad point and two cutting spur lips. Approximately 6" long with 1/2" shank. Weight per set 3 lbs.

No. 15-524 (old 804) 1/4"	No. 15-528 (old 808) 1/2"
No. 15-525 (old 805) 5/16"	No. 15-529 (old 809) 3/8"
No. 15-526 (old 806) 3/8"	No. 15-530 (old 810) 7/8"
No. 15-527 (old 807) 7/16"	No. 15-532 (old 812) 1"

No. 15-538 (old 818)—Complete set of 8 machine spur bits.



Plug Cutters—Used for making wood plugs and dowels. 1/2 x 2" shank, barrel 2 1/4" long. Cuts plugs 2" thick and dowels 2" long.

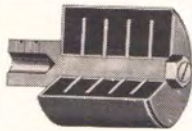
No. 15-534 (old 814) 3/8" dia.	No. 15-537 (old 817) 1/4" dia.
No. 15-535 (old 815) 1/2" dia.	No. 15-539 (old 819) 1" dia.
No. 15-536 (old 816) 3/4" dia.	

No. 15-542 (old 822)—Complete set of 5 plug cutters, 2 1/2 lbs.

ROCKWELL DELTA DRILL PRESS ACCESSORIES

SANDING DRUMS AND ABRASIVE SLEEVES FOR INSIDE AND CURVED WORK ON YOUR DRILL PRESS

Perfect work is easy with these sanding drums. No fasteners to bump—no uneven expansion. In these drums, each rubber section is separated from its neighbor by bakelite washers, with non-corrosive metal bushings next to the arbor. Disks expand uniformly, run dead true, produce perfect work.



No. 46-038 (old 830) Drum, 3" dia. x 3", with one sleeve. Fits $\frac{1}{2}$ " dia. shaft. 2 lbs.

No. 46-138 (old 831) Sleeves, $\frac{1}{2}$ doz. 3 x 3". 40 grit coarse garnet. $\frac{1}{2}$ lb.

No. 46-832 (old 832) Sleeves, $\frac{1}{2}$ doz., 3 x 3". 60 grit medium garnet. $\frac{1}{2}$ lb.

No. 46-338 (old 833) Sleeves, $\frac{1}{2}$ doz., 3 x 3". 50 grit al. ox. (for metal). $\frac{1}{2}$ lb.



No. 46-538 (old 835) Drum, 1 $\frac{3}{4}$ " dia. x 2", with one sleeve. Fits $\frac{1}{2}$ " dia. shaft. $\frac{1}{4}$ lbs.

No. 46-638 (old 836) Sleeves, $\frac{1}{2}$ doz., 1 $\frac{3}{4}$ x 2". 40 grit med. garnet. $\frac{1}{4}$ lb.

No. 46-837 (old 837) Sleeves, $\frac{1}{2}$ doz., 1 $\frac{3}{4}$ x 2". 60 grit fine garnet. $\frac{1}{4}$ lb.

No. 46-838 (old 838) Sleeves, $\frac{1}{2}$ doz., 1 $\frac{3}{4}$ x 2". 50 grit al. oxide (for metal). $\frac{1}{4}$ lb.



No. 46-048 (old 840) Drum, $\frac{1}{2}$ " dia. x 2 $\frac{1}{2}$ ", with one sleeve. With $\frac{1}{2}$ " shank to fit hollow spindle or chuck. $\frac{1}{2}$ lb.

No. 46-841 (old 841) Sleeves, $\frac{1}{2}$ doz., $\frac{1}{16}$ x 2 $\frac{1}{2}$ ". 50 grit med. garnet. $\frac{1}{2}$ lb.

No. 46-248 (old 842) Sleeves, $\frac{1}{2}$ doz., $\frac{1}{16}$ x 2 $\frac{1}{2}$ ". 80 grit fine, garnet. $\frac{1}{2}$ lb.

No. 46-847 (old 847) Sleeves, $\frac{1}{2}$ doz., $\frac{1}{16}$ x 2 $\frac{1}{2}$ ". 50 grit al. oxide (for metal). $\frac{1}{2}$ lb.

NARROW SANDING DRUMS AND SLEEVES

Drums of solid rubber for use in 3-jaw chuck.

No. 46-679 (old 679) Drum, 1 $\frac{1}{2}$ " dia. x 1", with one sleeve, $\frac{5}{16}$ " shank. $\frac{1}{2}$ lb.



No. 46-682 (old 682) Sleeves, $\frac{1}{2}$ doz., 1 $\frac{1}{2}$ x 1". 40 grit. al. oxide. $\frac{1}{4}$ lb.

No. 46-683 (old 683) Sleeves, $\frac{1}{2}$ doz., 1 $\frac{1}{2}$ x 1". 80 grit al. oxide. $\frac{1}{4}$ lb.

No. 46-680 (old 680) Drum, 2 $\frac{3}{16}$ " dia. x 1", with one sleeve. $\frac{5}{16}$ " shank. $\frac{1}{2}$ lb.

No. 46-684 (old 684) Sleeves, $\frac{1}{2}$ doz., 2 $\frac{3}{16}$ x 1". 40 grit al. oxide. $\frac{1}{4}$ lb.

No. 46-685 (old 685) Sleeves, $\frac{1}{2}$ doz., 2 $\frac{3}{16}$ x 1". 80 grit al. oxide. $\frac{1}{4}$ lb.

No. 46-681 (old 681) Drum, 3" dia. x 1", with one sleeve, $\frac{5}{16}$ " shank. $\frac{3}{4}$ lb.

No. 46-686 (old 686) Sleeves, $\frac{1}{2}$ doz., 3 x 1". 40 grit al. oxide. $\frac{1}{2}$ lb.

No. 46-687 (old 687) Sleeves, $\frac{1}{2}$ doz., 3 x 1". 80 grit al. oxide. $\frac{1}{2}$ lb.



Mortising Chisels—Production type. Made of selected steel. Shank of chisel is $\frac{5}{8}$ x 1 $\frac{1}{2}$ ".

No. 15-404 (old 504)— $\frac{1}{4}$ x $\frac{1}{4}$ ", mortises 1 $\frac{7}{8}$ " deep.

No. 15-405 (old 505)— $\frac{5}{16}$ x $\frac{5}{16}$ ", mortises 1 $\frac{7}{8}$ " deep.

No. 15-406 (old 506)— $\frac{3}{8}$ x $\frac{3}{8}$ ", mortises 3" deep.

No. 15-408 (old 508)— $\frac{1}{2}$ x $\frac{1}{2}$ ", mortises 3" deep.

Mortising Chisel Bits—Of selected steel. Bit operates inside chisel.

No. 15-514 (old 514)— $\frac{1}{4}$ " bit x $\frac{3}{16}$ " dia. shank.

No. 15-515 (old 515)— $\frac{5}{16}$ " bit x $\frac{1}{4}$ " dia. shank.

No. 15-516 (old 516)— $\frac{3}{8}$ " bit x $\frac{1}{4}$ " dia. shank.

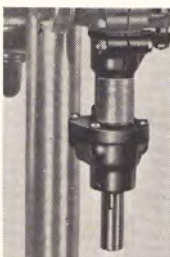
No. 15-517 (old 518)— $\frac{1}{2}$ " bit x $\frac{1}{4}$ " dia. shank.

ACCESSORIES FOR 17" DRILL PRESSES

No. 46-968 (old 968) Drill Chuck—3-jaw type, 0 to $\frac{1}{2}$ " capacity, with No. 2 M.T. shank. Includes chuck key. 2 $\frac{1}{2}$ lbs.

No. 17-825 Production Table, 12 $\frac{1}{2}$ x 17" ground work surface (including coolant trough, 16 x 20 $\frac{1}{2}$ ") with two parallel T-slots for $\frac{1}{2}$ " T-bolts. Slots are on 9" centers and run from front to back. Table has 1 $\frac{1}{2}$ " coolant trough with one $\frac{3}{4}$ " pipe tap drain hole at left rear corner. Tilts 17° right and left and fits standard bracket on floor type, single spindle drill presses. 58 lbs.

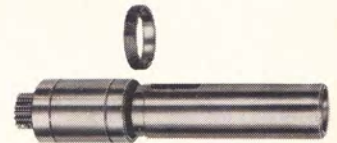
No. 17-801 Raising Mechanism, for head or table. Includes worm shaft, compound worm gear and pinion, crank handle, rack, thrust ball bearing and column collar. 10 lbs.



No. 17-860 Slo-Speed Attachment. Provides 4.7 to 1 speed reduction for spot facing, reaming, counterboring, core drilling, etc. Fits No. 2 M.T. spindle models only. Speed range with the attachment on drill press, 75 to 475 rpm.

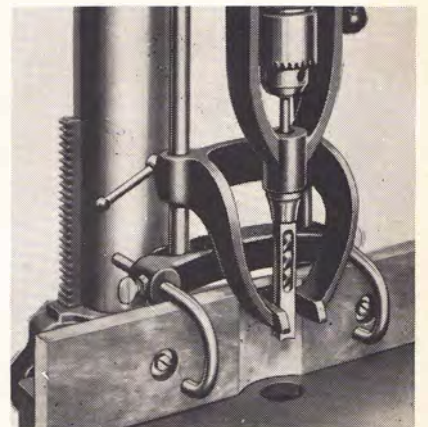
These slow speeds are in addition to the regular speeds obtained when the Slo-Speed Attachment is not on the drill press. Spindle travel with this at-

tachment is 4". No. 17-836 Booster Spindle Return Spring Kit recommended for use with this Slo-Speed Attachment. 10 lbs.



No. 17-880 Spindle, No. 3 M.T., with bearings. Includes instructions for installing on any model of Rockwell Delta 17" Drill Press. 3 lbs.

No. 17-836 Booster Spindle Return Spring Kit. For 17" Drill Presses Serial No. 137-5800 and higher. It provides about 80 pounds of lift when used with the standard spring. Especially recommended for use with the 17-860 Slo-Speed Attachment or when any heavy tooling like multiple spindle heads or tapping chucks are mounted on the quill or spindle of the machine. Includes clock spring, pinion shaft extension and instructions for field mounting. 2 lbs.



No. 17-381 (old 1381) Mortising Attachment, fits key chuck models only. Consists of a heavy fence bolted to the drill press table. Two hooked rods hold work against fence and an adjustable hold-down keeps the work from being raised when the chisel is withdrawn. Capacity under hold-down—6 $\frac{1}{2}$ ", from ends of hooked rods to fence—2 $\frac{1}{2}$ ". 19 lbs.

SPEED CHANGING PARTS

No. 17-391 (old 1391) Parts for converting drill press from Slo-Speed to High Speed model. Consists of high speed pulleys and 49-051 (old 501) Belt. 7 lbs.

No. 17-862 Parts for converting drill press from High Speed to Slo-Speed model. Consists of slo-speed pulleys and 49-025 (old 520) Belt. 10 lbs.

MOTOR PULLEYS 3 lbs. ea.

5-Step for Slo-Speed

No. 41-812— $\frac{1}{2}$ " bore.

No. 41-813— $\frac{3}{8}$ " bore.

No. 41-814— $\frac{1}{4}$ " bore.

No. 41-815— $\frac{1}{8}$ " bore.

5-Step for High-Speed

No. 41-822— $\frac{1}{2}$ " bore.

No. 41-823— $\frac{3}{8}$ " bore.

No. 41-824— $\frac{1}{4}$ " bore.

No. 41-825—1" bore.

ROCKWELL DELTA DRILL PRESS ACCESSORIES

MOTOR PULLEY ASSEMBLIES

No. 41-964 Variable Speed Type— $\frac{3}{4}$ " bore. 8 lbs.

No. 41-965 Variable Speed Type— $\frac{7}{8}$ " bore. 8 lbs.

BELTS

No. 49-051 (old 501) V-belt, $51\frac{1}{8}$ " OC, for High Speed model. $\frac{1}{2}$ lb.

No. 49-025 (old 520) V-belt, $54\frac{1}{8}$ " OC, for Slo-Speed model. $\frac{1}{2}$ lb.

No. 49-159 Variable Speed Belt, 55" OC. $1\frac{1}{2}$ lbs.

ACCESSORIES FOR "6 PLUS 6" AND "VS6" 15" AND 15" UTILITY DRILL PRESSES

No. 15-010 (old 1010) Collar—Head or table support. For $2\frac{3}{4}$ " dia. column. 2 lbs.

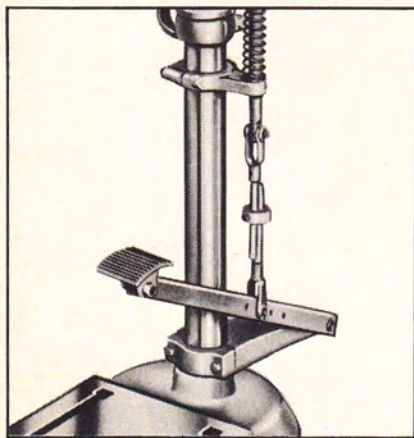
No. 15-809 Tilting Table— 11×14 " ground surface, complete with column bracket. Ledges at sides and slots make clamping of work easy. Tilt angle scale indicates to 90° both right and left. Fits any 15" drill press with $2\frac{3}{4}$ " column. 37 lbs.

No. 15-801 Table, $10 \times 10\frac{1}{2}$ " ground surface, non-tilting type, with integral column bracket. Ledges at sides and slots make clamping of work easy. Holes on front apron facilitate work or fixture mounting. Fits any 15" drill press with $2\frac{3}{4}$ " column. 22 lbs.

No. 15-850 Production Table— 12×18 " ground work surface (including coolant trough, $15\frac{1}{2} \times 21\frac{1}{2}$ "), for single spindle floor model drill presses (without 1008 Raising Mechanism). 76 lbs.

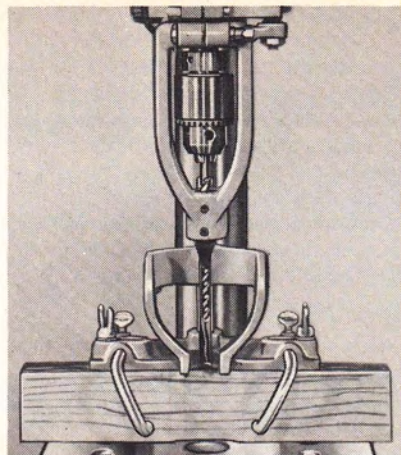
No. 15-008 (old 1008) Raising Mechanism—For 15-850 Production Table. Includes rack, collar and bearing. 10 lbs.

No. 15-030 (old 1030) Head Counterbalance Attachment—Complete assembly including spring, chain, column top casting, ball bearing roller and screws. Cannot be used with columns shorter than $38\frac{3}{4}$ ". 9 lbs.



No. 15-820 Foot Feed—For floor type models with 64" column. Maximum quill travel with foot feed connected is 6". Consists of foot pedal, rods, mounting brackets and spring. 36 lbs.

No. 15-825 Full Belt and Pulley Guard—For step-pulley models only. Encloses spindle pulley, V-belt and motor pulley. 9 lbs.



No. 15-840 Mortising Attachment—This attachment converts the 15" Drill Press into an accurate mortising machine. Capacity under hold-down— $4\frac{1}{4}$ ", from ends of hooked rods to fence— $2\frac{3}{4}$ ". Used with key chuck models only. No. 15-820 Foot Feed recommended for mortising with single spindle models. Includes fence with mounting bolts, hooked rods, hold-down and chisel holder. $8\frac{1}{2}$ lbs.

ACCESSORIES FOR "6 PLUS 6" AND "VS6" 15" DRILL PRESSES

MULTI-SPEED ATTACHMENTS

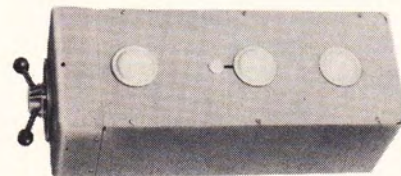
(Not for variable speed models)

Especially recommended for jobs like spot facing, counterboring, reaming and core drilling.



No. 15-802 Multi-Speed Attachment—For 6-step pulley models. Provides eight speeds from 125 RPM to 5800 RPM with 1725 RPM motor or 85 to 3800 RPM with 1140 RPM motor. Includes motor pulley with $\frac{1}{2}$ " bore. 7 lbs.

No. 15-803 Multi-Speed Attachment—For 6-step pulley models. Same as 15-802 except motor pulley has $\frac{5}{8}$ " bore. 7 lbs.



No. 15-846 Belt Guard Top Cover Plate—For 15" Variable Speed (Spring Pulley Type) Drill Presses. Includes hole plugs and screws for mounting. 4 lbs.

MOTOR PULLEYS

No. 41-832 6-Step— $\frac{1}{2}$ " bore. $3\frac{1}{2}$ lbs.

No. 41-833 6-Step— $\frac{5}{8}$ " bore. $3\frac{1}{2}$ lbs.

MOTOR PULLEY ASSEMBLIES

No. 41-952 Variable Speed Type, with spring, $\frac{1}{2}$ " bore. 6 lbs.

No. 41-953 Variable Speed Type, with spring, $\frac{5}{8}$ " bore. 6 lbs.

BELTS

No. 49-091 V-belt— $28\frac{1}{16}$ " OC, rear, for No. 15-802 Multi-Speed Attachment. $1\frac{1}{2}$ lbs.

No. 49-092 V-belt— $33\frac{1}{2}$ " OC, front, for No. 15-802 Multi-Speed Attachment. $1\frac{1}{2}$ lbs.

No. 49-093 V-belt—6-step pulley type, $45\frac{1}{8}$ " OC. $1\frac{1}{2}$ lbs.

No. 49-415 Belt—Variable speed type, $45\frac{5}{8}$ " OC. 1 lb.

ACCESSORIES FOR 15" UTILITY DRILL PRESS

No. 11-969 (old 969) PilotWheel 3-spoke type with handle knobs. 4 lbs.

MULTI-SPEED ATTACHMENTS

Especially recommended for jobs like spot facing, counterboring, reaming and core drilling.

No. 15-848 Multi-Speed Attachment for High-Speed 15" Drill Press. 12 speeds from 275 to 10,500 rpm (the 10,500 rpm should be used only for occasional work due to the excessive wear on bearings). Includes mounting bracket, ball bearing cone pulley and two V-belts. $5\frac{1}{2}$ lbs.

No. 15-849 Multi-Speed Attachment for Slo-Speed 15" Drill Press. 12 speeds from 185 to 4600 rpm. Includes mounting bracket, ball bearing cone pulley and two V-belts. $5\frac{1}{2}$ lbs.

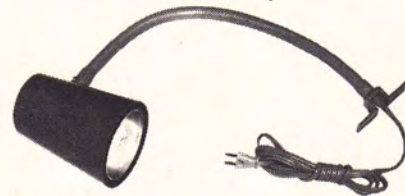
No. 49-167 V-Belt for Slo-Speed Model. $\frac{1}{2}$ lb.

No. 49-168 V-Belt for High-Speed Model. $\frac{1}{2}$ lb.

ACCESSORIES FOR RAM TYPE RADIAL DRILL PRESS

KEY CHUCK

No. 46-968 (old 968) Drill Chuck—3-jaw type, 0 to $\frac{1}{2}$ " capacity, with No. 2 M.T. shank. Includes chuck key. $2\frac{1}{2}$ lbs.



No. 25-857 Lamp Attachment, for 115 V. Includes 18" flexible gooseneck, reflector and 8-foot cord with 2-prong plug. Uses standard bulb (not included) up to 75 watts. 3 lbs.

MOTOR PULLEYS

No. 41-772 Four-Step— $\frac{1}{2}$ " bore. 1 lb.

No. 41-773 Four-Step— $\frac{5}{8}$ " bore. 1 lb.

BELTS

No. 49-287 (old 287) V-Belt, $31\frac{1}{8}$ " OC, for Ram Type Radial Drill Presses (rear belt). $\frac{1}{2}$ lb.

No. 49-105 V-Belt, $30\frac{1}{8}$ " OC, for Ram Type Radial Drill Presses (front belt). $\frac{1}{2}$ lb.

For Coolant Equipment, see Section D1.

ROCKWELL BUX Portable MAGNETIC DRILLS

For **BIG** Capacity Drilling Not Possible with Conventional
Drill Presses or Radial Drills

Now! Rockwell Extra Heavy Duty Drills have been teamed with famous BUX Magnetic Stands to give you big capacity portable drilling machines. The magnetized base attaches with tremendous force to steel surfaces horizontally, vertically or overhead. With the portable drill firmly held in position, you can precision drill, tap or ream at a drill point pressure up to 2550 pounds. You can

perform these operations on large, special-purpose machines, on girders, and in other places that cannot be reached with conventional drill presses or radial drills.

Take the capacity of stationary drill presses to your job site to save on labor, the expense of dismantling heavy machinery or the cost of transporting large equipment.



Rockwell Bux Portable Magnetic Drills

ROCKWELL QUALITY FEATURES

A. Extra Powerful, Specially Designed Motors provide a full 6.5 amps on small rectangular base models, 12 amps on medium round base models and 15 amps on large radial position and rectangular base models.

Cartridge-Type Brushes — are spring-loaded and self-adjusting for better commutation.

Precision Machine Wound Armatures—with resin coated, bonded wire and welded commutator leads to withstand high overload conditions.

Efficient Cooling System — flow-thru venting and 12-blade fan work together to maintain lower motor operating temperature for better efficiency.

Ball and Roller Bearing Construction — assure trouble-free performance, gear and spindle shafts run smoothly on self-lubricating ball and roller bearings.

B. Replaceable Wear Strips — the double dovetail type slide assembly is supported with quickly replaceable wear strips.

C. All Steel Pinion Shaft—supported by special oil impregnated bronze bearings, has three-handed feed for ease of operation.

D. Lightweight Stand—tough, aircraft alum-

inum post is lightweight, yet strong. Pound for pound, BUX stand is most powerful available.

E. "Power Channel" Bases — the surface area of the bases north and south pole is concentrated in a small area, in a direct line with the drill bit to give maximum holding power on small flat surfaces, rounds and other irregular shaped pieces. These BUX bases are available in three sizes—small rectangular, medium round and large rectangular. All of these high powered magnetic bases attach with tremendous force to steel surfaces, in any position—even vertical or overhead. Each is constructed with cooling fins that allow rapid cooling, provide longer life and less breakdown of magnetic energy.

F. Medium and Large Size Units — have 11½" of travel for greater accuracy on all work as well as increasing "hole depth" capacity. Small rectangular model has 6" of travel.

G. Lower Ratio Rack and Pinion Feeds — assure greater mechanical advantages with more pressure delivered to the drill point. Will drill holes faster with less operator fatigue.

H. Positive Depth Gage — large, easy-to-read scale can be marked to measure holes of desired depth. No slipping possible, no rule needed.

Fast Action Positioner — one-fourth turn of oversize operating handle releases drill stand to rotate 330° with up to ¾" lateral movement. No tedious adjustments—simply place drill point over center-punch mark,

tighten handle and start to drill. The lightweight, small rectangular model is supplied without the positioner.

Five Chucks or Spindles Available — ½" and ¾" Chucks, No. 2 and No. 3 M.T. Spindles, and No. 3 M.T. Internal Socket.

Six-foot Safety Chain — acts as a precaution against operator losing control of unit while positioning or from possible power failure during operation.

Removeable Access Panel — makes minor repairs and adjustment a simple operation —no longer requires removal of base when adjustments are necessary and facilitates the removal of the rectifier or other components.

Gib Adjustment — a row of Allen head adjustment screws assures tight fit of the slide against the wear strips. Slack caused by wear can be eliminated by merely tightening the adjustment screws.

¾" Lateral Movement; 330° Radial Movement — with the BUX precision engineered base, you get positive mechanical action —no "partial magnetism". BUX exclusive radial positioner assures fast, accurate alignment of BUX portable magnetic drill stands. The magnetic base remains stationary, safely holding unit to the work. A fast, ¼ turn of the mechanical locking handle releases drill stand for 330° radial positioning and up to ¾" lateral movement is also provided, assuring positive, precision positioning.

Electrical Components of stands are double insulated to provide additional operator safety.



A.



B.



C.



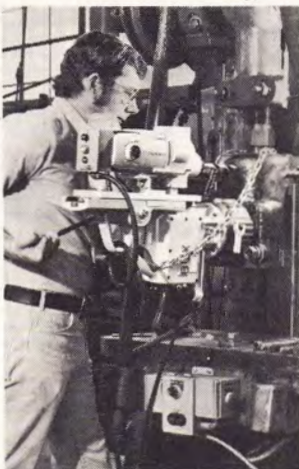
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E.



F.



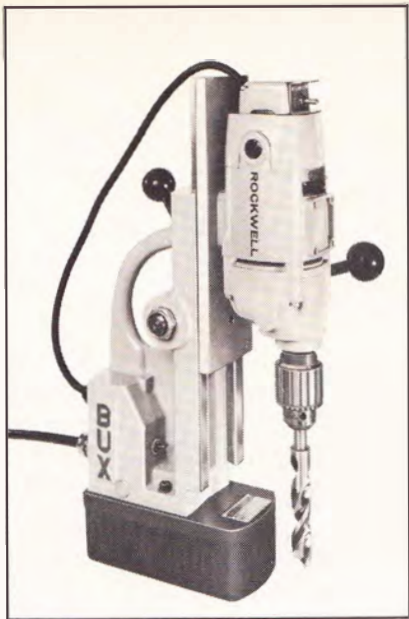
G.



H.

Stabilizer Leg — adjustable stabilizer leg moves pivot point rearward and increases mechanical advantage — more drill point pressure. Leg is not supplied on small rectangular base model.

Push Button Switch — the four larger BUX units come equipped with push button, 3 pole, on-off reversing switches that feature an interlock to prevent accidental reversing.



MODEL 77778 (old 14899)

Rockwell Bux Portable Magnetic Drill Press (Small Rectangular Base)

If you were told there was a truly portable 1/2" geared head drilling machine available, would you be interested? There is, and ROCKWELL has it. This powerful, rugged yet lightweight machine enables you to do big capacity drilling *on the job site*. Its big 1800 pound holding pressure magnetic base makes precision drilling, tapping or reaming in confined areas possible. Now you don't need to dismantle your large machines or have them out of commission for days to make repairs — bring in the "Bux" and do it in minutes.

FEATURES

Powerful 6.5 Amp Motor • ½" Drilling Capacity in Steel • Full 16 Amp Forward-Off-Reverse Toggle Switch • Low Profile Design—Only 14 ½" • Full Power in Reverse • Power Channel Construction

SPECIFICATIONS

Model No.	77778
Base Size ...7"x 3½" Small Rectangular	
Motor ...No. 77767—6.5 Amp, Universal Type, 115 Volt, 25-60 Hertz, AC-DC	
Capacity	Drill ½" in Steel; Tap ½"—20
Tool Holding Capability	½" Tang Drive Chuck
No Load Speed (RPM)	500
Load Speed (RPM)	330
Stand Dimensions	Height 14 ½" Width 3 ½", Length 7"
*Drill Point Pressure	1450 Lbs. on 1" Steel Plate
Net Weight (Stand Only)	27 Lbs.
Weight—Combination Drill and Stand	34 Lbs.

**Pressure calculated on 1" Steel Plate.
Thinner material and cast iron provide
less holding power.*

Duty Rating: *For Extended Service on Industry and Construction Trades Applications.*



MODEL 77783

**Rockwell Bux
Portable Magnetic Drill Press
(Medium Round Radial
Position Base)**

If the job calls for drilling up to $\frac{3}{4}$ " holes in steel, in an almost impossible position, this unit with only 25 inches of clearance can squeeze into the tight space and do a precision job. Even if it's hanging on upside down or attached vertically to an irregularly shaped surface the ROCKWELL Bux performs with accuracy and precision by virtue of its powerful magnet and its fast action positioner. Why take the job to the drill—bring the drill to the job.

FEATURES

Fast Action Positioner • Adjustable Stabilizer Leg • Powerful 12 Amp Motor • Full Power in Reverse • 3/4" Geared Chuck • Power Channel Construction • Push Button Reversing—Off-On Switch

SPECIFICATIONS

Model No.	77783
Base Size	$7\frac{1}{4}$ "x $6\frac{1}{4}$ " , Medium Round Radial Position
Motor	No. 77750—12 Amp, Universal Type, 115 Volt, 25-60 Hertz, AC-DC
Capacity	Drill $1\frac{3}{4}$ " in Steel; Tap $\frac{3}{4}$ "—16
Tool Holding Capability	$\frac{3}{4}$ " Geared Chuck
No Load Speed (RPM)	400
Load Speed (RPM)	270
Stand Dimensions	Height 24" Width $6\frac{1}{16}$ " , Length $7\frac{3}{16}$ "
*Drill Point Pressure	1500 Lbs.
Net Weight (Stand Only)	66 Lbs.
Weight—Combination Drill and Stand	90 Lbs.

**Pressure calculated on 1" Steel Plate.
Thinner material and cast iron provide
less holding power.*

Duty Rating: *For Extended Service on Industry and Construction Trades Applications.*



MODEL 77787

**Rockwell Bux
Portable Magnetic Drill Press
(Medium Round Radial
Position Base)**

Here is a unit that will provide adequate torque for drilling through hard alloy steels. We have added a No. 3 morse taper spindle to deliver a positive non-slip drive. This, combined with our powerful 12 amp motor and a powerful magnetic base will do an accurate drilling or tapping job at your job site.

FEATURES

No. 3 Morse Taper Spindle • Powerful 12 Amp Motor • Adjustable Stabilizer leg • Fast Action Positioner • Power Channel Construction • Push Button On-Off-Reversing Switch • Positive Depth Gage • 11½" Drill Travel • Powerful Magnetic Base • Removable Access Panel

SPECIFICATIONS

Model No. 77787
Base Size. ... 7 $\frac{1}{8}$ " x 6 $\frac{1}{4}$ " , Medium Round
 Radial Position
Motor No. 77751—12 Amp, Universal
 Type, 115 Volt, 25-60 Hertz, AC-DC
No Load Speed (RPM) 400
Load Speed (RPM) 270
Capacity Drill $\frac{1}{2}$ " in Steel;
 Tap $\frac{3}{4}$ "—16
Tool Holding Capability No. 3 Morse
 Taper Spindle
Stand Dimensions. Height 24",
 Width 6 $\frac{1}{4}$ " , Length 7 $\frac{1}{2}$ "
***Drill Point Pressure** 1500 Lbs.
Net Weight (Stand Only) 66 Lbs.
**Weight—Combination
 Drill and Stand.** 88 Lbs.

**Pressure calculated on 1" Steel Plate.
Thinner material and cast iron provide
less holding power.*

Duty Rating: *For Extended Service on Industry and Construction Trades Applications.*

For additional models, see Page 4.



MODEL 77791

**Rockwell Bux
Portable Magnetic Drill Press
(Medium Round Radial
Position Base)**

High torque and raw power are two features which best describe this versatile unit. Its full 15 amp motor, its 150 RPM speed under load, and its No. 3 morse taper internal socket provide the torque to muscle 1½" holes through steel. These capabilities together with the extra versatility made possible by the powerful magnetic base make this unit suitable for any extra heavy-duty application — anywhere you need it!

FEATURES

No. 3 Internal Morse Taper Socket • powerful 15 Amp Motor • Fast Action Positioner • Adjustable Stabilizer Leg • Push Button On-Off-Reversing Switch • Positive Depth Gage • 11½" Drill Travel Power Channel Construction

SPECIFICATIONS

Model No. 77791
Base Size ... 7½" x 6¼", Medium Round Radial Position
Motor No. 77752—15 Amp, Universal Type, 115 Volt, 25-60 Hertz, AC-DC
No Load Speed (RPM) 250
Load Speed (RPM) 150
Capacity Drill 1½" in Steel, Tap 1½" — 12
Tool Holding Capability ... No. 3 Internal Morse Taper Socket
Stand Dimensions Height 24", Width 6½", Length 7½"
***Drill Point Pressure** 1500 Lbs.
Net Weight (Stand Only) 66 Lbs.
Weight—Combination Drill and Stand 89 Lbs.
**Pressure calculated on 1" Steel Plate. Thinner material and cast iron provide less holding power.*

Duty Rating: For Extended Service on Industry and Construction Trades Applications.



MODEL 77795

**Rockwell Bux
Portable Magnetic Drill Press
(Large Rectangular, Radial
Position Base)**

The ultimate in versatility! This extra powerful 15 amp ROCKWELL Bux Magnetic Drill boasts a 2550 pound drill point pressure, a two speed gear box and a No. 3 internal morse taper socket. Its powerful, extra large magnetic base attaches to steel surfaces horizontally, vertically or overhead while giving accuracy and capacities usually only possible on stationary drill presses. Essentially, the Model 77795 ROCKWELL Bux is a 1½", No. 3 morse taper internal socket, 2-speed, geared head drilling machine with more than adequate power, full power in reverse, a truly portable machine that permits set-up at your job site in any position.

SPECIFICATIONS

Model No. 77795
Base Size 10¾" x 5¾" Large Rectangular Radial Position
Motor No. 77753—15 Amp, Universal Type, 2-Speed, 115 Volt, 25-60 Hertz, AC-DC
No Load Speed (RPM) .. Hi—500; Lo—250
Load Speed (RPM) Hi—275; Lo—150
Capacity Drill 1½" in Steel; Tap 1½" — 12
Tool Holding Capability ... No. 3 Internal Morse Taper Socket
Standard Dimensions Height 25", Width 7½", Length 8½"
***Drill Point Pressure** 2550 Lbs.
Net Weight (Stand Only) 88 Lbs.
Weight—Combination Drill and Stand 114 Lbs.
**Pressure calculated on 1" Steel Plate. Thinner material and cast iron provide less holding power.*

Duty Rating: For Extended Service on Industry and Construction Trades Applications.

ACCESSORIES FOR MORSE TAPER DRILLS

No. 57091 Arbor, No. 3 M.T. to Jacobs Taper.
No. 57092 Arbor, No. 2 M.T. to Jacobs Taper.
No. 58006 Jacobs ¾" Geared Chuck. With key.

**Versatile,
Dependable
Rockwell Bux
Drills
save time
and money
for many
industrial users!**

- Air-Frame Manufacturing
- Automation Equipment Manufacturers
- Automotive
- Conveyor and Material Handling Equipment
- General Metal Fabrication
- Electrical Contractors
- Foundries
- Plant Maintenance
- Heavy Construction Equipment
- Machinery Manufacturing
- Ship-Building and Repair
- Tool and Die Shops
- Repair Shops
- Structural Steel Construction and Maintenance
- Machinery Re-Building
- Railroad-Original Equipment and Maintenance
- Truck-Trailer Manufacturing
- Utilities



ROCKWELL DELTA **12" CUT-OFF MACHINES**

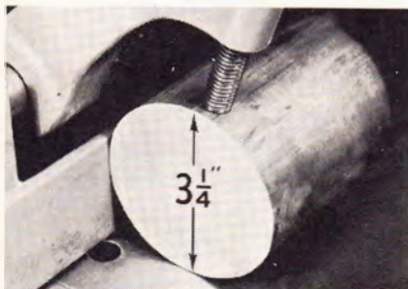
Now! You can modernize your method of doing dry or wet abrasive cutting
or the cutting of non-ferrous metals and wood.
With Rockwell Delta Cut-Off Saws you cut off better than with power hack saws,
band saws, lathes, grinders or torches.
Let us "Performance-Prove" one of the four "cost-saving" models for you today!

CUT FASTER!
CUT SMOOTHER!
CUT COSTS!

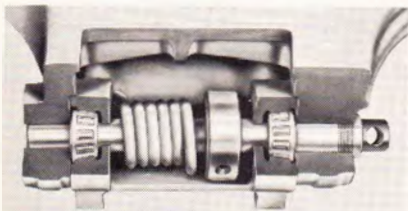


ROCKWELL DELTA 12" CUT-OFF MACHINES

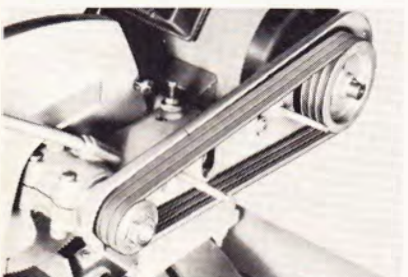
DELTA QUALITY FEATURES THAT SAVE PRODUCTION TIME AND PROMOTE OPERATING ECONOMY



Extra Large Capacity—You get these BIG capacities with the Rockwell Delta 12" Cut-Off Machine: wood and plastics—2 x 8"; non-ferrous tubing and solid round bars—3 1/4"; ferrous tubing—3 1/4" and solid round bars 1020 steel—1 1/2"; angles—3 x 3"; channels—4". These are verified capacities which can be maintained at a production rate using a 5 HP motor (3 HP for wood, plastic, and thin-walled non-ferrous tubing). No machine limited to 2, 3, or 3 1/2" HP can match this performance.



Tapered Bearings Assure Precision Accuracy—Pivot shaft is mounted on rigid, widely spaced Timken Tapered Roller Bearings. Selected for their adjustability, these bearings eliminate all play and assure perfect cutting accuracy. Torsion spring on pivot shaft adjusts in either direction to counter-balance motor. This provides correct, light feed pressure, assuring ease of operation.



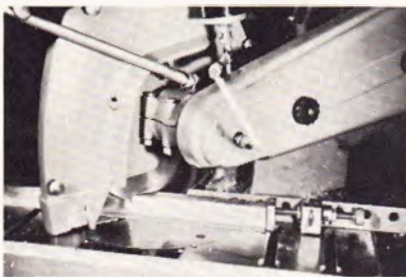
Full, Even Power Transmission—Triple, matched, V-belt Drive utilizes the full power of the motor, eliminates transmission of any vibration from motor to cutting wheel. Dynamically balanced motor and arbor pulleys have V-grooved diameters concentric with center hole for long life and smooth running. Mitering never disturbs belt alignment.



Heavy Duty 1" Arbor—Precision ground, the husky 1" arbor is supported by extra large, pre-loaded, lubricated-for-life ball bearings that are mounted in Delta's Unique Cartridge Assembly. Pre-loading of bearings by means of steel sleeves for the inner and outer races removes all play and guarantees accuracy and long life with minimum vibration. Notice the port hole and slotted wheel flange, part of the coolant system for non-ferrous cutting.

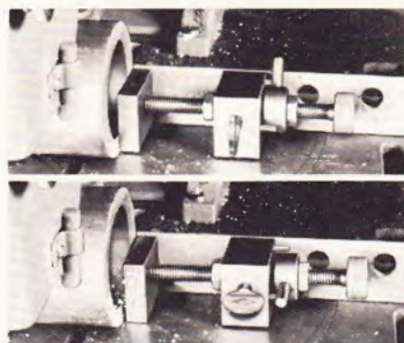


Exclusive Hollow Arbor Spray Coolant—Only Rockwell Delta Cut-Off Machines offer this patented feature which makes cutting of non-ferrous metals a simple operation. Oil drips from reservoir and enters hollow blade arbor. Then it flows from two staggered port holes, 180° apart but not in line, to lubricate both sides of the blade. The fan action of the blade throws a mist of oil on the work piece, preventing the development of heat and greatly increasing the cutting performance and life of the saw blade.



"Swinging Arbor" for Mitering—The complete Cut-Off Machine Arbor and Work Head swivels as one unit through a 90° arc. This means that work always moves in a straight line across the table, eliminating awkward swinging of stock when mitering. Double calibrated scale permits direct reading for miter cuts from 0° to 45°, right and left.

Safety Engineered Throughout—The specially designed wheel guard complies with ASA safety standards. Although it lifts up to permit front loading of stock, a "nose" drops to the table in front of the work to protect the operator during actual cutting.



Exclusive Retractable Size Gage—Accurately and quickly gages stock in lengths from 0 to 14". When finger is in "up" position (see top illustration), work is held against stop block. When finger is switched to "down" position, stock block moves slightly away. This avoids pinching of wheel as work piece expands due to cutting friction of abrasive wheel.



Exclusive Replaceable Arbor—Rockwell Delta Cut-Off machines incorporate in their arbor design a proven special Cartridge Assembly. When necessary, this assembly can be replaced in minutes, practically eliminating down time. The assembly contains Delta's Five Famous Quality Features—lubricated-for-life ball bearings, precision bored bearing seats, pre-loaded bearings, precision ground arbor and dynamically balanced pulley. Assembly also is sealed against dirt and full flood of water.

DELTA QUALITY EXTRAS

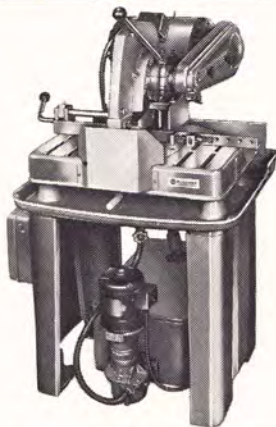
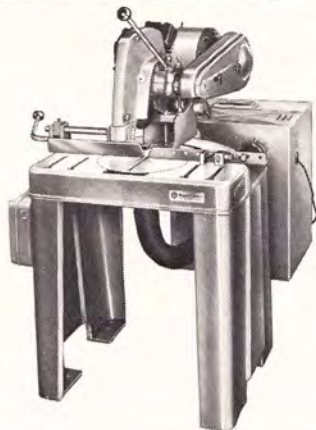
- Table has a BIG 11 x 27" working surface with four pairs of parallel T-slots for easy clamping of work.
- Motor mounts on and swings with arbor bracket to maintain belt alignment and tension throughout cutting arc.
- Arbor bracket support has hollow construction to form dust spout at rear. "Soup dish" guard under table forms second dust spout.
- Retractable size gage has screw adjustment greater than center of holes in fence.
- Rugged work clamp is double action (push or pull), cam type with "Universal" 3-position clamp.
- Air cylinder feeds, hydraulic check cylinders, air-mist coolant attachments, air clamps, and other automation devices may be easily attached for labor saving and quality control on high production work.

ROCKWELL DELTA INDUSTRIAL METALWORKING MACHINES

ROCKWELL DELTA 12" CUT-OFF MACHINES

Dry Abrasive Cut-Off Machine—Excellent for cutting steel (stainless, high speed, tool, etc.), wire rope, angle iron, iron pipe, ceramics, Tobin bronze, and many other hard materials. Cuts a square inch of steel in less than four seconds.

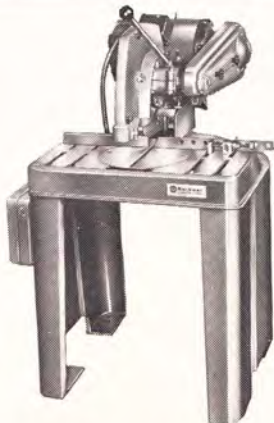
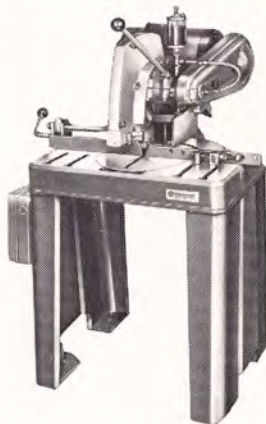
For Accessory Dust Collector and Attachment Package, See Section "D".



Wet Abrasive Cut-Off Machine—Provides for a full flow of coolant on the work. Used on the same hard materials handled on the Dry Abrasive Cut-Off Machine. Sacrifices speed for smooth cutting with minimum burr, long wheel life.

For Accessory Coolant Pump and Tank, See Section "D".

Non-Ferrous Cut-Off Machine—Ideal for cutting aluminum, plastics, micarta, Dow metal, etc. Patented coolant attachment assures an extremely fast, accurate cut with burr-free "polished smoothness" on all non-ferrous metals.



Wood Cut-Off Machine—(Order Nos. 20-100, 50-399, 49-289, 41-637, plus electricals desired)—For handling all materials sawed with conventional wood cutting blades. Specially designed guard permits front loading of long stock. For high production cut off and mitering. Cuts off a 2 x 8" plank in less than one second.

For Dry and Wet Abrasive Cutting and for Cutting Non-Ferrous Metals and Wood

If you have the problem of cutting off materials to proper length, in your small shop or your large industrial plant, Rockwell Delta 12" Cut-Off Machines will do a faster, more accurate and smoother job than any other cut-off method.

Here's why—the BIG 3¼" capacity makes this machine ideal for doing hundreds of jobs... the extra powerful motors assure maintained cutting speeds, even on the heaviest cuts... the unmatched combination of Delta Quality Features guarantees quick, accurate cutting of practically any material.

In metalworking shops this method is replacing hand and power type hack saws, vertical and horizontal band saws, acetylene torches, presses, shears, lathes, screw machines, mills, grinders and similar equipment. Where cutting of non-ferrous metals, wood, plastic and allied materials is necessary, the Cut-Off Method is replacing hand, portable, band, circular and radial saws.

If you want increased production, improved quality and lowered costs, replace your present cutting off set-up with a modern Rockwell Delta Cut-Off Machine.

MACHINE DATA

Overall Dimensions (With Legs):

Width.....35"; Front to Rear.....35"; Height.....50"

Capacities (For 90° Cutting):

Wood and Plastic 2 x 8"

Non-Ferrous Metals (With Saw Blade):

Tubing (Maximum Diameter) 3¼"

Solid Round Bar (Maximum Diameter) 3¼"

Ferrous Metals (With Abrasive Wheel):

Tubing (Maximum Diameter) 3¼"

Solid Round Bar 1020 Steel (Maximum Diameter) 1½"

Angles 3 x 3"

Channels 4"

Speeds:

With 3450 rpm Motor and 3" Motor Pulley:

Arbor Speed, rpm 4,000

Rim of 12" Blade or Wheel, sfpm 12,600

Blade or Wheel Diameter (Maximum) 12"

Arbor Hole 1"

Wheel Flanges, Diameter 3½" and 5"

Miters (Swinging Arbor) 45° Left and 45° Right

Table:

Working Surface in Front of Fence 11 x 27"

Height (Without Coolant Pan) 32"

Height (With Coolant Pan) 36"

Has Four Pairs of Parallel T-Slots and Double Calibrated Miter Scale.

Motor:

Mounting Plate Accommodates

NEMA Frame Motors 213, 215, 182T and 184T.

STANDARD EQUIPMENT

All Models include wheel guard, belt guard, fence with size gauge, 3½" wheel flanges and 5" wheel flanges with coolant slots.

CATALOG LISTING

No. 20-100 12" Cut-Off Machine. Includes wheel guard, belt guard, fence with size gauge, 3½" wheel flanges, and 5" wheel flanges with coolant slots. 278 lbs.

Continued on next page

ROCKWELL DELTA INDUSTRIAL METALWORKING MACHINES

ROCKWELL DELTA 12" CUT-OFF MACHINES

CATALOG LISTING—Continued

No. 20-220 12" Cut-Off Machine for Dry Abrasive Cutting (With Legs). Same as No. 20-100 except with No. 50-399 pair of steel legs 27½" high, No. 20-801 clamp fixture, No. 49-289 (old 289) (set of 3) 46⅞" OC V-belts, and No. 41-637 3" 3-belt motor pulley 1⅞" bore with ¼" keyway. Without abrasive wheel, motor and switch. 390 lbs.

No. 20-222 12" Cut-Off Machine for Wet Abrasive Cutting (With Legs). Same as No. 20-100 except with No. 50-399 pair of steel legs 27½" high, No. 20-801 clamp fixture, No. 49-289 (old 289) (set of 3) 46⅞" OC V-belts, No. 41-637 3" 3-belt motor pulley 1⅞" bore with ¼" keyway, and No. 20-840 coolant pan. Without abrasive wheel, motor and switch. 531 lbs.

No. 20-221 12" Cut-Off Machine for Non-Ferrous Cutting (With Legs). Same as No. 20-100 except with No. 50-399 pair of steel legs 27½" high, No. 20-801 clamp fixture, No. 49-289 (old 289) (set of 3) 46⅞" OC V-belts, No. 41-637 3" 3-belt motor pulley 1⅞" bore with ¼" keyway, and No. 20-832 coolant attachment. Without saw blade, motor and switch. 394 lbs.

WORK HEAD AND GUARDS FOR BUILDING SPECIAL PURPOSE MACHINES

This work head is used on all Rockwell Delta Cut-Off Machines. It is also offered as a separate unit for those

MOTORS AND CONTROLS (Factory Mounted and Wired)

(For general purpose applications, 5 HP is recommended; use 3 HP for saw blade cutting of wood, plastic and thin-wall non-ferrous tubing only.)

MOTOR	MOTOR CONTROL	MOTOR ENCLOSURE	HERTZ AND MOTOR RPM	MOTOR VOLTAGE	SHIPPING WT., LBS.	CATALOG NUMBER	CAT. NO. 200V
Single Phase, 3 Horsepower	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60—3450	115/230	133	52-005	
Three Phase, 3 Horsepower	Magnetic Starter with Push Button Control	TEFC	60—3450	230/460	113	52-007	52-195
	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60—3450	230/460	116	52-008	52-196
Three Phase, 5 Horsepower	Magnetic Starter with Push Button Control	TEFC	60—3450	230/460	122	52-010	52-198
	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60—3450	230/460	126	52-011	52-199

NOTE: Single phase electricals will be supplied wired for 230 V only. Three phase electricals will be supplied wired for 230 V, unless 460 V is specified. Power Cord and Plug not supplied. Motors and Motor Controls for Rockwell Delta 12" Cut-Off Machines may be ordered unmounted.

DELTA QUALITY ACCESSORIES THAT INCREASE THE VALUE OF THE 12" CUT-OFF MACHINE

No. 20-817 Abrasive Wheel for dry cutting, general purpose, for soft and hard steel and hard bronze, ⅝" x 12" dia. with 1" hole. 1 ¼ lbs.

No. 20-819 Abrasive Wheel for dry cutting, used for long wheel life where burr is permissible. For all steels and hard bronze, ⅝" x 12" dia. with 1" hole. 2 lbs.

No. 20-820 Abrasive Wheel for dry cutting, used where maximum freedom from burr is more important than long wheel life. For thin steel tubing and molding. ⅝" x 12" dia. with 1" hole. 2 lbs.

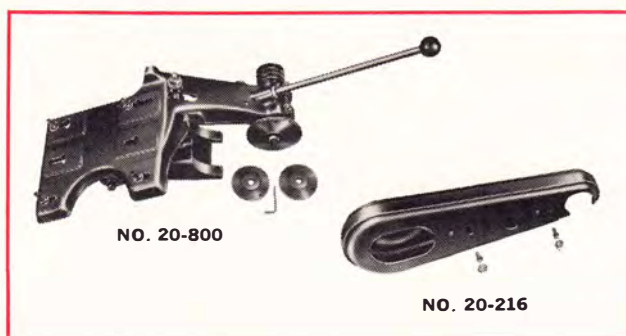
No. 20-846 Saw Blade for non-ferrous metal, 12" dia., ⅝" thick x 1" hole, 100 teeth, for cutting large solids. 2 lbs.

No. 20-847 Saw Blade for non-ferrous metal, 12" dia., ⅝" thick x 1" hole, 150 teeth, best general purpose blade. 3 lbs.

No. 20-848 Saw Blade, same as 20-847 except high speed steel, hard rim. 2 lbs.

No. 20-849 Saw Blade for non-ferrous metal, 12" dia., ⅝" thick x 1" hole, 200 teeth, for cutting thin wall tubing. 2 lbs.

users who wish to design a special-purpose cut-off machine to meet their needs.



No. 20-800 Work Head, including ball bearing arbor assembly, 2 1/16" 3-belt arbor pulley, 3 ½" and 5" wheel flanges, feed handle, motor mounting plate, pivot shaft with Timken roller bearings and adjustable torsion spring, adjustable rubber stops and base casting. Motor and controls are not supplied factory mounted on Work Head. 79 lbs.

No. 20-802 Blade Guard, complete with lifting spring and mounting parts. 33 lbs.

No. 20-216 Guard for Belts and Pulleys, complete with mounting bolts. 26 lbs.

No. 33-197 Saw Blade for wood, 12" dia. x 1" hole, combination type. 1 ½ lbs.

No. 33-246 Saw Blade for wood, 12" dia. x 1" hole, cross cut type. 2 lbs.

No. 34-842 Saw Blade for wood and plastic, 12" dia. x 1 ½" hole (with bushing to fit 1" arbor), 24 carbide-tipped teeth, combination type. 4 lbs.

No. 20-801 Clamp Fixture. 19 lbs.

No. 20-832 Coolant Attachment, for non-ferrous metal. Includes sight gravity feed oiler, mounting post, coolant line, nozzle and fittings. 3 ½ lbs.

No. 49-294 (old 294) V-belts (matched set of 3), 51⅞" OC, for 6" motor pulley. 1 ¼ lbs.

No. 49-289 (old 289) V-belts (matched set of 3), 46⅞" OC, for 3" motor pulley. 1 ½ lbs.

No. 41-627 Motor Pulley, 6", 3-belt type, 1⅞" bore with ¼" keyway. For 1725 RPM motor only. 6 lbs.

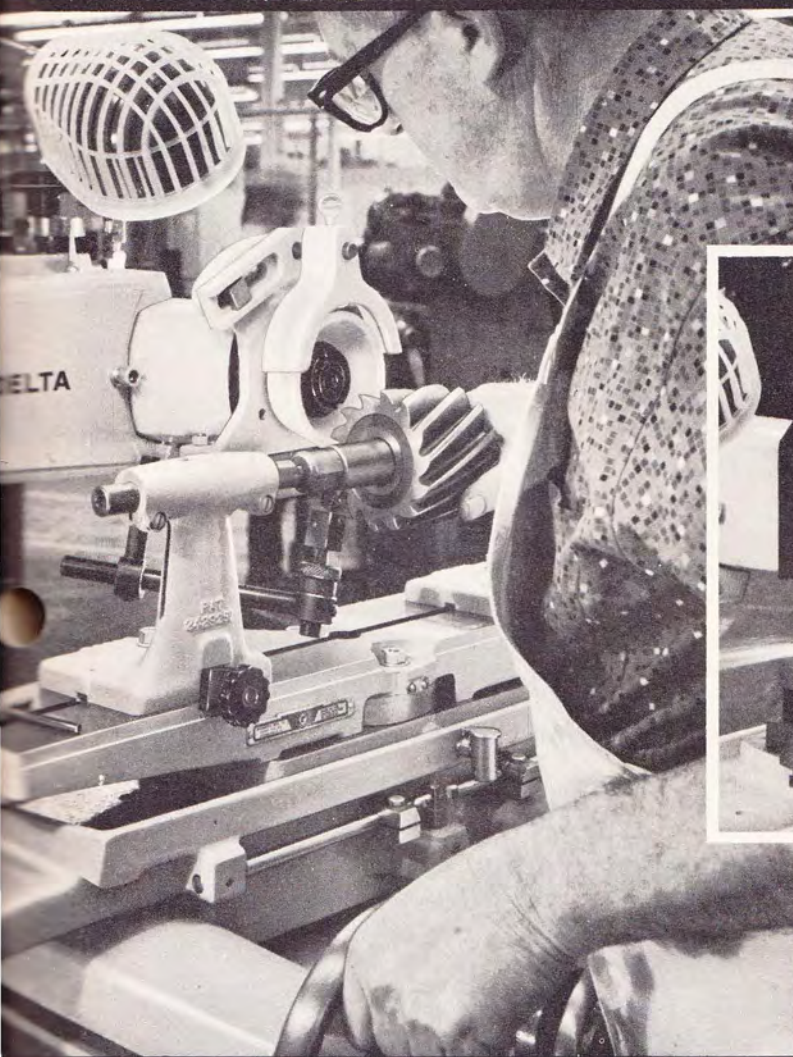
No. 41-637 Motor Pulley, 3", 3-belt type, 1⅞" bore with ¼" keyway. 3 lbs.

No. 50-399 Legs, steel, one pair, 27½" high. 100 lbs.

No. 50-400 Riser Blocks (two pair required), cast iron, one pair, 2" high, with studs, nuts and lock washers for mounting under legs. 8 lbs.

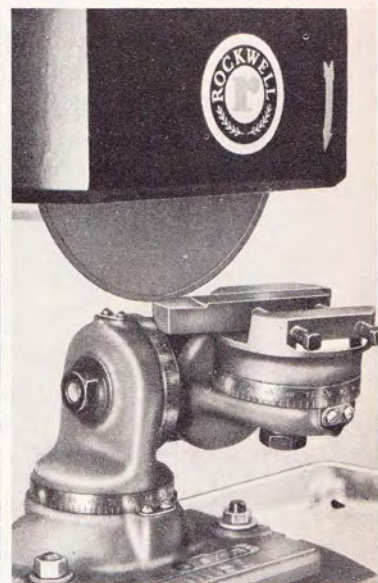
NOTE: For Dust Collector recommended for all dry abrasive cutting and for coolant Pump for wet cutting, see Section "D".

ROCKWELL DELTA TOOLMAKER*GRINDERS



"A Family of 3 Machines!"

Rockwell Delta Single Point Tool Grinder . . . grinds carbide-tipped, high-speed steel or alloy steel single-point cutting tools. Especially recommended for grinding chip-breaker grooves.



Rockwell-Delta Surface Grinder . . . produces a 20 RMS finish or better to handle practically all surface grinding requirements in the average shop.

Rockwell-Delta Tool and Cutter Grinder . . . an excellent unit for sharpening mills, reamers, saws blades and other multiple-point cutting tools.

Only Rockwell-Delta TOOLMAKER Grinders offer all these exclusives:

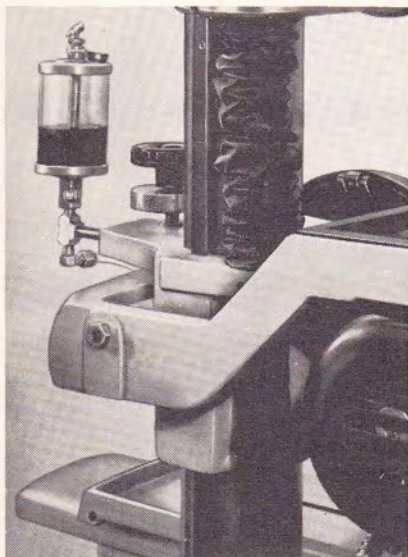
©Trademark

- **Widest** speed range available—3300, 3700 and 5600 RPM—to handle any grinding job.
- **Unique** 360° rotation of head and spindle for correct tool and cutter grinding.
- **Exclusive** "Center Mist" Coolant Attachment for cooler, more efficient grinding with longer wheel life.
- **Preferred** Teflon-lined V and flat ways on table for long life and effortless feed.
- **Plus** many additional Rockwell engineered extras!

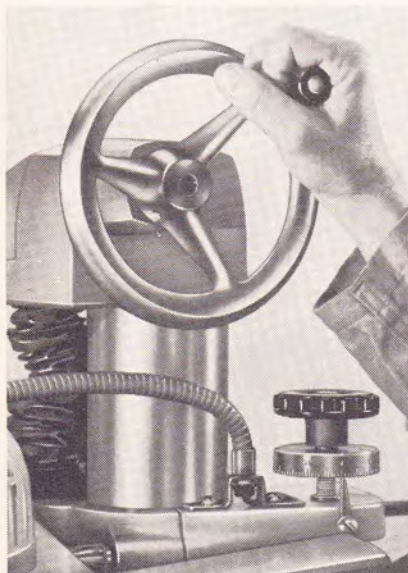
ROCKWELL DELTA INDUSTRIAL METALWORKING MACHINES

ROCKWELL DELTA TOOLMAKER GRINDERS

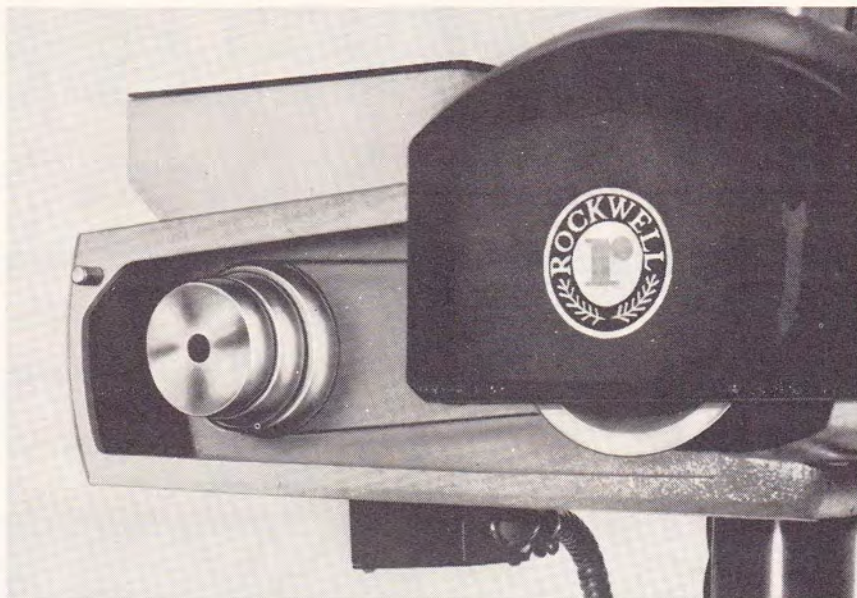
DELTA QUALITY FEATURES ASSURE PRECISION GRINDING AND SHARPENING



Safety and Convenience Features—Both the elevating and cross feed screws are completely enclosed by a protective sleeve to keep out harmful abrasive dust. The totally enclosed motor is mounted upside down, providing a handy tray for wrenches, indicators and work pieces. Efficient Coolant Attachment provides just the right amount of coolant to keep diamond wheels cool for chip-breaker grinding.

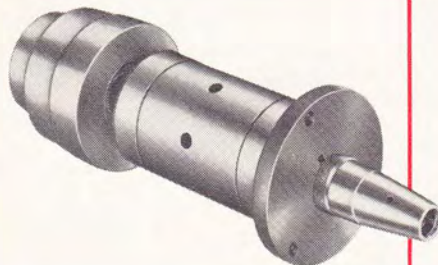


Quick Operating Hand Wheel; Precision Down Feed Control—Large hand wheel facilitates rapid, vertical travel of head for rough settings while Micrometer Down Feed Knob (with no back lash) permits fine settings. Extra large micrometer collar is easy to read, graduated in .0005", and has "slip" feature for zero start reading.



Exclusive Three-Speed Range—Unlike other machines, these grinders provide matched three-step cone pulleys with a flat belt drive to the spindle. You get these benefits: Three spindle speeds—3300, 3700 and 5600 RPM—the right SFPM for the different diameters of straight, dish and cup wheels. The flat belt drive assures vibration-free spindle operation.

Heavy Duty, Ball Bearing Spindle—The massive spindle, which is carefully ground and balanced, is mounted on preloaded, duplex, precision ball bearings to assure high quality grinding year after year. Sealed bearing construction protects the spindle from abrasive dust and prevents coolant from washing lubricant out of the bearing.



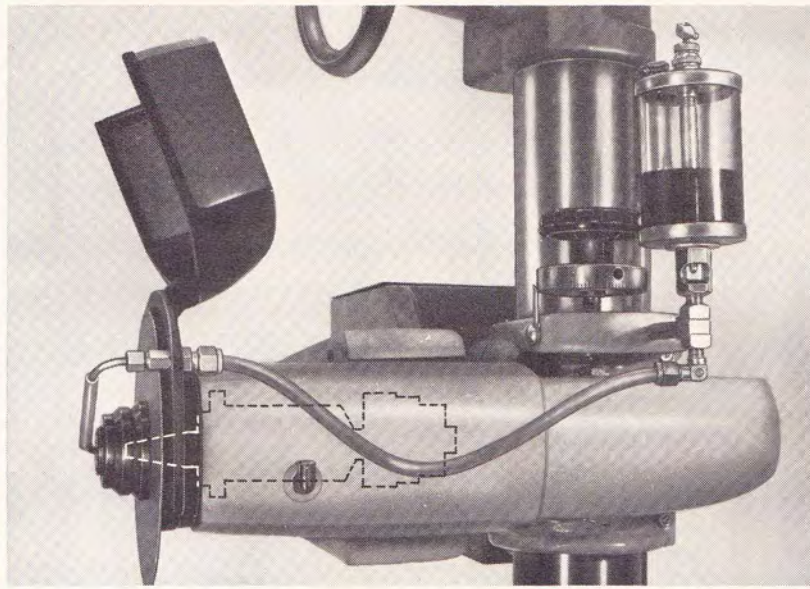
Time and Money-Saving Wheel Adapters—Rockwell makes available interchangeable, taper mounted wheel adapters which fit snugly on the ground, tapered spindle. These adapters save time and money because once a wheel is mounted and dressed, it can be removed, then mounted without resetting or redressing—especially important where diamond wheels are used.



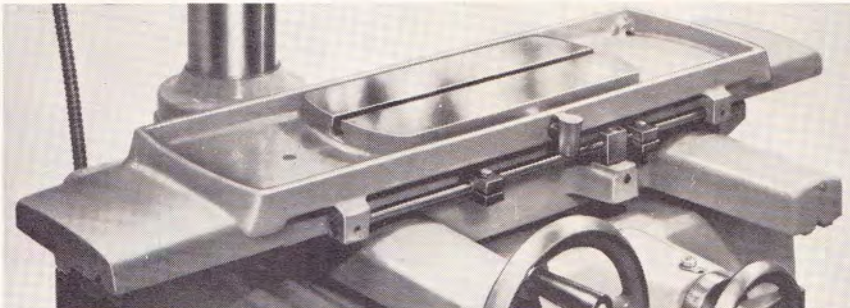
Unique Rotation of Head and Spindle—Toolmaker's use of a round column, versus competitive A-frame construction, gives it a versatility and ease of set-up not available with other grinders. This is true because the column, with work head and spindle, can be rotated away from the normal "zero" position as shown by the witness marks. It is easy to provide wheel clearance for tool and cutter grinding, and the work head can even be rotated a full 360° for special jobs.

ROCKWELL DELTA INDUSTRIAL METALWORKING MACHINES

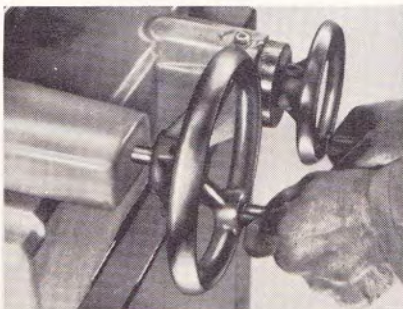
ROCKWELL DELTA TOOLMAKER GRINDERS



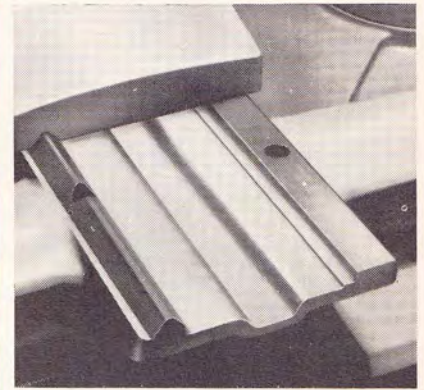
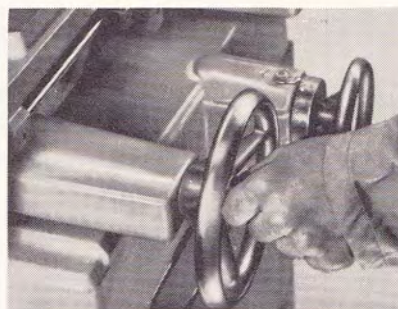
Unique "Center Mist" Coolant—Only Rockwell offers this "center mist" coolant attachment developed especially for chip-breaker grinding with diamond wheels. It improves surface grinding quality, too. Coolant drips from reservoir through tube and enters hollow spindle. Then, it flows out through two staggered port holes, 180° apart. Wheel flanges, recessed in the center with grooves extending to the outer rims, carry the coolant down both sides as well as through the porous wheel. The fan action of the wheel breaks the coolant down into a fine mist which cools the work *exactly at the point of grinding*, much better than coolants sprayed or flooded onto the general grinding area.



Many-Purpose Table—Has a 5 $\frac{3}{4}$ " x 13" surface, finish ground by its own spindle to within 16 microinches. Designed with T-slot to facilitate clamping of work or the mounting of work-holding fixtures. Coolant trough permits wet or dry grinding (side and end shields can easily be added for wet grinding). Adjustable, spring-loaded stops act as cushion . . . are especially suited for tool and cutter grinding.



Multi-Position Handle—You can select the most comfortable position of the handle on the table feed hand wheel, in a matter of seconds. Just pull out the handle, set it where you want it, and let it snap back into engagement. This is especially important when the operator is grinding small pieces and must continually "short stroke" the table. Large micrometer sleeve on cross feed is easy to read and has "zero" start feature.



Smooth Operating Table and Cross Slide

—Table and cross slide have precision ground V and flat ways (no troublesome gibs to adjust). Table ways are Teflon-lined, practically eliminating wear and providing smooth, effortless feed.



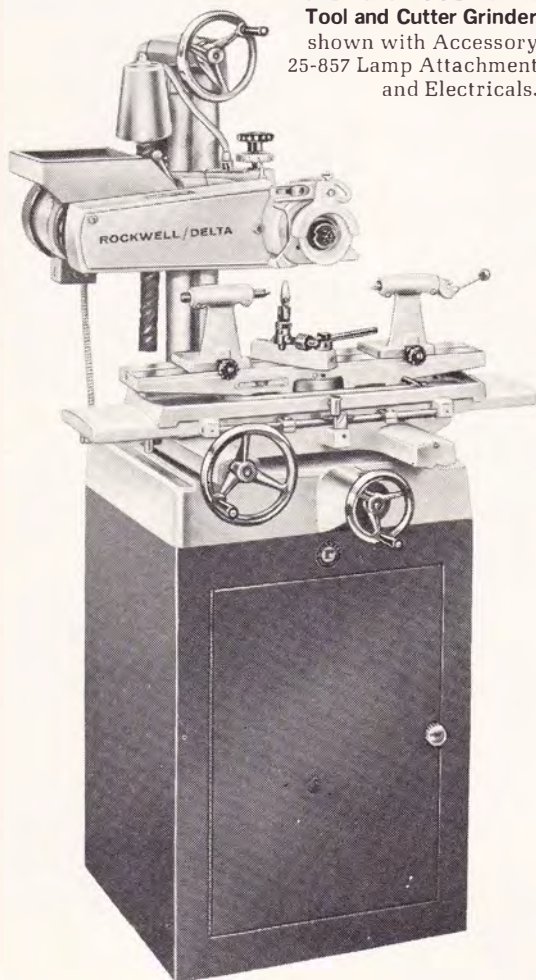
Specially Designed Base—Massive, scientifically ribbed base provides extra rigid support for the $\frac{3}{4}$ " thick cast iron column and grinding head. Built-in leveling jacks at rear corners (not shown) guarantee proper alignment for precision grinding.



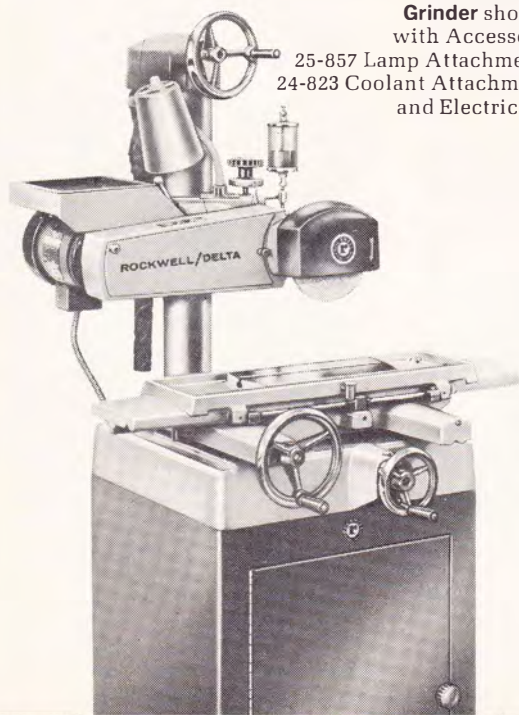
Large, Deluxe Cabinet Base—Machine rests on a heavy, rigidly reinforced steel base. Vibration pads, furnished for placement under each corner, isolate the grinder, protecting it from floor vibrations caused by trucks, elevators, punch presses and similar machinery. This assures smooth grinder performance. Two large shelves provide ample storage room. Large door has a cam type, rattle-proof latch.

ROCKWELL DELTA TOOLMAKER GRINDERS

No. 24-151 TOOLMAKER*
Tool and Cutter Grinder
shown with Accessory
25-857 Lamp Attachment
and Electricals.



No. 24-150 Basic TOOLMAKER*
Grinder shown
with Accessory
25-857 Lamp Attachment,
24-823 Coolant Attachment
and Electricals.



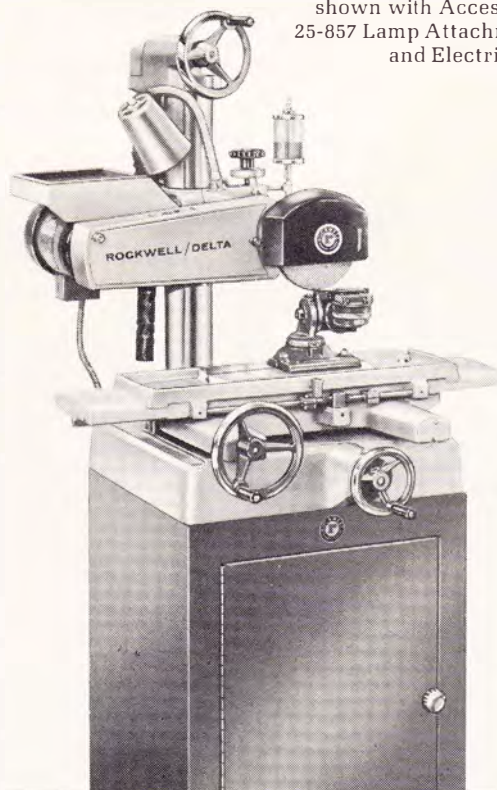
The Rockwell TOOLMAKER Tool and Cutter Grinder will efficiently sharpen all types of mills, reamers, taps, saw blades and other multiple-point cutting tools. It actually will do the work of tool and cutter grinders costing hundreds of dollars more. You can quickly convert it to do precision grinding of chip-breaker grooves in carbide and other tooling simply by adding the Univise and Center Mist Coolant Attachments.

The unit, without the Tool and Cutter or Chip-Breaker Grinding Components, can be used for surface grinding accurate, flat surfaces where the surface pattern and RMS finish are not critical. It can produce surfaces to 20 RMS.

Many grinding machines are available which perform only one function—tool and cutter sharpening, grinding of chip-breaker grooves, or surface grinding. Rockwell, however, offers you one machine that will do all three operations. Purchase a Rockwell Tool and Cutter Grinder, add the Coolant Attachment and Univise, and you have a “3-in-1” grinding machine. Best of all, you can get this “triple value” at less cost than you would pay for one comparable single-purpose machine.

Let us show you a Rockwell TOOLMAKER Grinder in action today!

No. 24-152 TOOLMAKER*
Single Point Tool Grinder
shown with Accessory
25-857 Lamp Attachment
and Electricals.



*Trademark

STANDARD EQUIPMENT

All Toolmaker grinders include storage type cabinet with shelves and door, four anti-vibration pads, motor pulley ($\frac{5}{8}$ " bore), flat belt, guard for belt and pulleys, guard for 7" straight wheel, wheel adapter, holder for diamond wheel dresser, oil for spindle bearings, wrenches, T-bolts (2) and instruction manual. No. 24-822 Tool and Cutter Grinding Attachment is included with No. 24-151 Tool and Cutter Grinding Machine. No. 24-823 Coolant Attachment and No. 24-902 Univise are included with No. 24-152 Single Point Tool Grinding Machine.

ROCKWELL DELTA TOOLMAKER GRINDERS

MACHINE DATA

Table

Ground Work Surface	5 3/4" x 13"
T-Slot (One)	7/16"
Longitudinal Travel (Rack and Pinion)	13 1/2"
Ways (Teflon Lined)	One Flat and One V
Height from Floor	40"

Cross Slide

Transverse Travel (Covered Lead Screw)	7"
Micrometer Collar	Each Rev. .100"; Each Grad. .001"
Ways	One Flat and One V

Head (On 4" Column with Key and Gib)

Vertical Travel (Covered Lead Screw)	15"
Down Feed (Zero-Backlash Lead Screw)	5/8"
Micrometer Collar	Each Rev. .050"; Each Grad. .0005"
Rotation	.360°

Capacities

Surface Grinds	6 x 13", With 13" Under 7" Wheel
Max. Dia. Cutter Sharpens	
Between *Centers	With Cup Wheel 8"; With Dish Wheel 10"
With *Tool and Cutter Attach. and *Unihead	.16"
Takes Magnetic Chuck	5 x 10" or 6 x 12"

Spindle

Ball Bearings	Oil Bath, Preloaded, Angular Contact
Wheel Adapter (Mounts on Spindle Nose Taper)	
Takes Wheels With Hole	1 1/4"
Has Flanges for	
Straight Wheel	7 x 1/2"
Cup Wheel	4 x 1 1/2"
Dish Wheel	6 x 1/2 x 5/16"
Speeds (With 3450 RPM Motor)	.3300, 3700 and 5600 RPM

Motor 1/2 HP, 3450 RPM, Special Balance,
Delta No. 6 Frame, Totally Enclosed

Overall Dimensions

Height	.67"
Width (Table in Center Position)	.34"
Front to Rear	36 1/2"

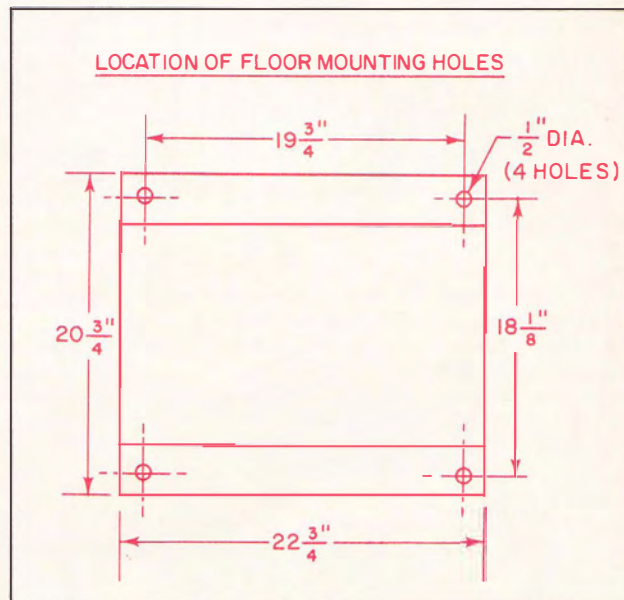
Cabinet Base Dimensions

Width	22 3/4"
Front to Rear	20 1/2"

Shipping Weight With Electricals

(Approx.) 800 lbs.

*Accessory Item



CATALOG LISTING

No. 24-151 TOOLMAKER Tool and Cutter Grinding Machine. Consists of 24-150 Basic Surface Grinder on cabinet with 24-822 Tool and Cutter Grinding components. Components are partially mounted. 882 lbs.

No. 24-152 TOOLMAKER Single Point Tool Grinding Machine. Consists of 24-150 Basic Surface Grinder on Cabinet with 24-823 Coolant Attachment, mounted and ready to use, and 24-902 Univise. 819 lbs.

No. 24-150 Basic TOOLMAKER Grinding Machine without

MOTORS AND CONTROLS (Factory Mounted and Wired)

MOTOR	MOTOR CONTROL	MOTOR ENCLOSURE	HERTZ AND MOTOR RPM	MOTOR VOLTAGE	SHIP. WT. (LBS.)	CATALOG NUMBER	CAT. NO. 200V
Single Phase, 1/2 Horsepower	Push Button Switch Only	TEFC	60—3450	115/230	32	49-752	
	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60—3450	115/230	40	49-753	
Three Phase, 1/2 Horsepower	Push Button Switch Only	TEFC	60—3450	230/460	32	49-754	52-033
	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60—3450	230/460	41	49-757	52-036

NOTE: Single phase electricals will be supplied wired for 115 V, unless 230 V is specified. Three phase electricals will be supplied wired for 230 V, unless 460 V is specified. Power Cord and Plug supplied for single phase

24-822 Tool and Cutter Grinding Components, 24-823 Coolant Attachment, 24-902 Univise or electricals. For use as a surface grinder which will grind accurate, flat surfaces where surface pattern and RMS finish are not critical. Can produce surfaces to 20 RMS. Includes cabinet, motor pulley (5/8" bore), flat belt, guard for belt and pulleys, guard for straight wheel, wheel adapter, holder for diamond wheel dresser, 1/2 pint oil for spindle bearings, wrenches and instruction manual. 800 lbs.

NOTE: Shipped only with specially balanced motor and motor control which are factory mounted, wired and tested.

only.† No. 49-000 "JIC" Type Control Kit. Specify this Catalog Number, in addition to Three Phase Cat. No. 49-757, in order to obtain TOOLMAKER Grinder with "JIC" type electricals, factory mounted and wired.

ROCKWELL DELTA TOOLMAKER GRINDERS

MOTOR AND BELT REPLACEMENT PARTS

No. 24-800 consists of $\frac{1}{2}$ HP, 115/230 V, single phase motor; motor pulley and 49-085 Belt, balanced together for field installation. 32 lbs.

No. 24-803 consists of $\frac{1}{2}$ HP, 230/460 V, three phase motor; motor pulley and 49-085 Belt, balanced together for field installation. 32 lbs.

No. 24-804. Same as 24-803 except 200 V. 32 lbs.

No. 24-802. Same as 24-803 except 575 V. 32 lbs.

No. 49-085 Flat Belt, $\frac{3}{4}$ " wide, 35" OC.

DELTA QUALITY ACCESSORIES FOR INCREASED JOB PERFORMANCE

No. 24-807 Wheel, 7 x $\frac{1}{2}$ ", aluminum oxide, $1\frac{1}{4}$ " hole, for soft material, balanced to within 1/8-ounce inch. 2 lbs.

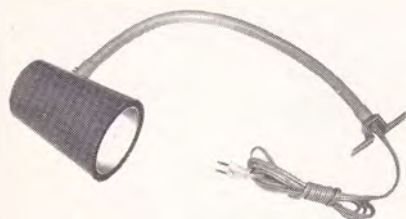
No. 24-808 Wheel, 7 x $\frac{1}{2}$ ", aluminum oxide, $1\frac{1}{4}$ " hole, for hard material, balanced to within 1/8-ounce inch. 2 lbs.

No. 24-973 Standard Dish Wheel, Type 12, 6 x $\frac{1}{2}$ x $\frac{5}{16}$ ", aluminum oxide, $1\frac{1}{4}$ " hole. 5 lbs.

No. 24-974 Standard Cup Wheel, Type 11, 4 x $1\frac{1}{2}$ ", aluminum oxide, $1\frac{1}{4}$ " hole. 5 lbs.

No. 24-820 Adapter for wheels with $1\frac{1}{4}$ " hole. Has $2\frac{1}{2}\frac{5}{32}$ " flange for straight wheels, 4 x $1\frac{1}{2}$ " type 11 cup wheels and 6 x $\frac{1}{2}$ x $\frac{5}{16}$ " type 12 dish wheels, plus a $2\frac{7}{32}$ " flange for $3\frac{1}{2}$ x $1\frac{1}{2}$ " cup wheels. Same as adapter supplied with 24-150 Surface Grinder, except has holes and slots needed for use with 24-823 Coolant Attachment. Order extra adapters for each kind of wheel to be used to obviate centering or dressing wheel each time it is mounted on spindle. 2 lbs.

No. 24-805 Diamond-pointed Wheel Dresser, with $\frac{7}{16}$ x 2" body. $\frac{1}{2}$ lb.



No. 25-857 Lamp Attachment, for 115 V. Includes 18" flexible gooseneck, reflector and 8-foot cord with 2-prong plug. Uses standard bulb (not included) up to 75 watts. 3 lbs.

No. 24-812 Spindle and Way Oil, Velocite-E. $\frac{1}{2}$ pt. can.

No. 24-819 Attachment Package for Dust Collector. 20 lbs. See Section D1 for complete information.

NOTE: See Section D1 for Dust Collectors recommended for Toolmaker Grinders.

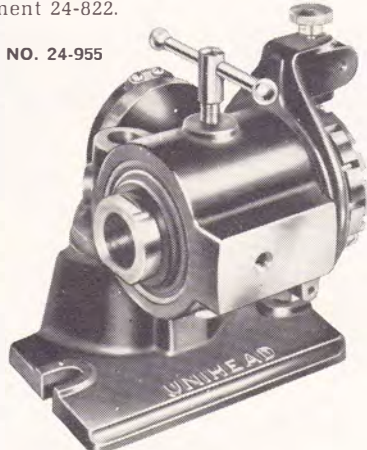
THE UNIHEAD® WITH INDEXING FEATURE IS UNIVERSALLY ADJUSTABLE WORK HEAD

The Unihead is a universally adjustable work head designed for use with the Toolmaker Cutter Grinder and other makes of machines, especially if the No. 24-970 Tooth Stop Unit is used with it.

Unit consists of a heat treated sleeve arranged with a No. 9 Brown & Sharpe taper accurately mounted in lubricated-for-life ball bearings. The adjustable index stop collar and dog can be disengaged or set in any position that is convenient to the operator. It is equipped with a 12-tooth index collar with selector plate which permits the dog to engage automatically either 2, 3, 4, 6 or 12 selected equal spaces. Other plain collars (without selector plate) are available as listed.

Has a push-out nut arranged at the back of the sleeve for pushing out tightly fitted adapters. Swivel bracket with 360 graduations. Base with removable keys that engage the table. Can also be used with Tool and Cutter Grinding Attachment 24-822.

NO. 24-955



No. 24-955 Unihead arranged with sealed-for-life ball bearings and sleeve for No. 9 B & S taper. With one 12-tooth collar with selector plate to engage 2, 3, 4, 6 or 12 selected equal spaces. 23 lbs.

No. 24-970 tooth stop unit not furnished. Indexing collars listed below cover a varied range of combination spacing and should be ordered separately as required.

INDEXING COLLARS

No. 24-957 Plain, 36-tooth, for 2, 3, 4, 6, 9, 12, 18 and 36 equal spaces. $\frac{3}{4}$ lb.

No. 24-958 Plain, 34-tooth, for 17 and 34 equal spaces. $\frac{3}{4}$ lb.

No. 24-959 Plain, 33-tooth, for 3, 11 and 33 equal spaces. $\frac{3}{4}$ lb.

No. 24-960 Plain, 32-tooth, for 2, 4, 8, 16 and 32 equal spaces. $\frac{3}{4}$ lb.

No. 24-961 Plain, 30-tooth, for 3, 5, 6, 10, 15 and 30 equal spaces. $\frac{3}{4}$ lb.

No. 24-962 Plain, 28-tooth, for 4, 7, 14 and 28 equal spaces. $\frac{3}{4}$ lb.

No. 24-963 Plain, 26-tooth, for 13 and 26 equal spaces. $\frac{3}{4}$ lb.

No. 24-964 Plain, 24-tooth, for 2, 3, 4, 6, 8, 12 and 24 equal spaces. $\frac{3}{4}$ lb.

No. 24-965 Collar, blank. $\frac{3}{4}$ lb.

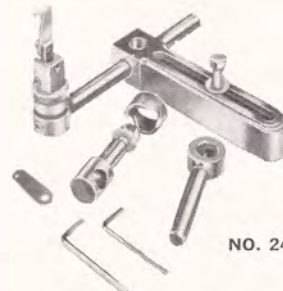
ADAPTERS

No. 24-967 Adapter for Unihead with No. 9 B & S outside taper arranged with 1"-8 R.H. threaded end to receive 6" Face Plate (No. 937). $1\frac{1}{4}$ lbs.

No. 24-968 Adapter for Unihead with No. 9 B & S outside taper arranged with No. 33 Jacobs taper to receive drill chucks. $1\frac{1}{4}$ lbs.

TOOTH STOP UNIT

The Unihead uses the same tooth stop unit regularly furnished with the Tool and Cutter Grinder Attachment (No. 24-822). If the Unihead is to be used on another make of machine, it may be advisable to obtain the No. 24-970 Tooth Stop Unit.

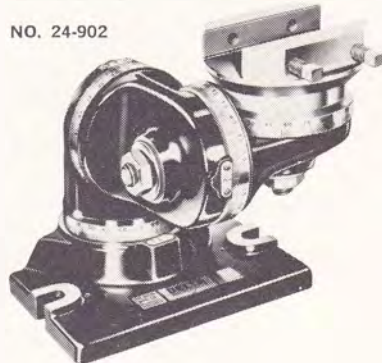


NO. 24-970

No. 24-970 Tooth Stop Unit consisting of 1 bracket, 2 bars, 1 clamp and tooth stop with 2 fingers (included with No. 24-822 Grinder Attachment). 5 lbs.

THE UNIVISE® FIRST TRULY UNIVERSAL VISE FOR GRINDING, DRILLING AND MILLING

NO. 24-902

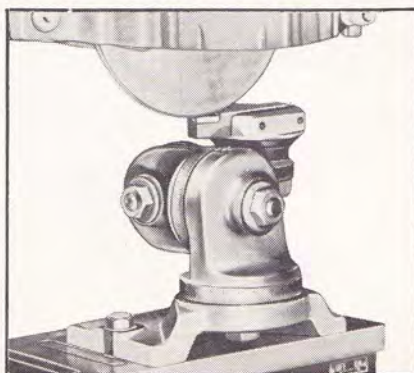
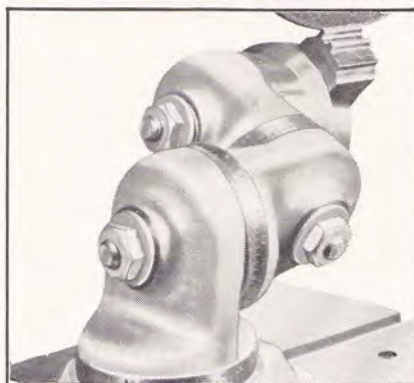
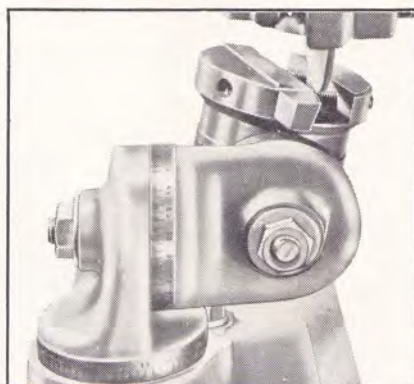
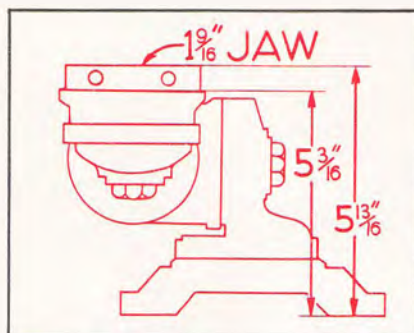


The Univise is a heavy, rigid, massive vise completely universal so that it can be set at ANY angle desired. It is composed of four separate parts, each of which can be rotated and independently set so that there are four separate distinct planes of adjustment. This means that ANY angle desired can be easily and readily obtained. It means, also, that for duplicate grinding the vise can be returned EXACTLY to its original setting. Each part has a circular scale of 360 degrees. Each station is

ROCKWELL DELTA TOOLMAKER GRINDERS

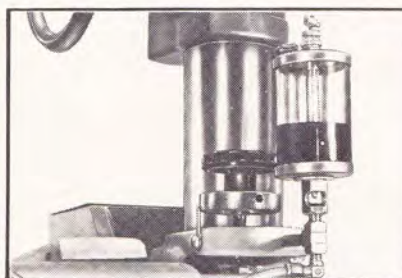
marked so that by making a record of the setting of each scale it is impossible to make an error. Thus, settings can be made direct from the blueprint without fuss or bother. Two of the parts rotate a full 360 degrees. It is $5\frac{1}{2}$ " high, 6" wide and $7\frac{1}{4}$ " long. Jaws take up to $1\frac{1}{2}$ " tools. Fits any surface or tool grinder. Has detachable keys in base which can be removed to permit use on a drill press or other machine without table slots, or on a magnetic chuck.

No. 24-902 Univise, complete. 16 lbs.



"CENTER MIST" COOLANT ATTACHMENT

With instructions for field mounting on any TG-3 Grinder. Supplied as standard equipment on 24-152 TOOLMAKER Single Point Tool Grinder.

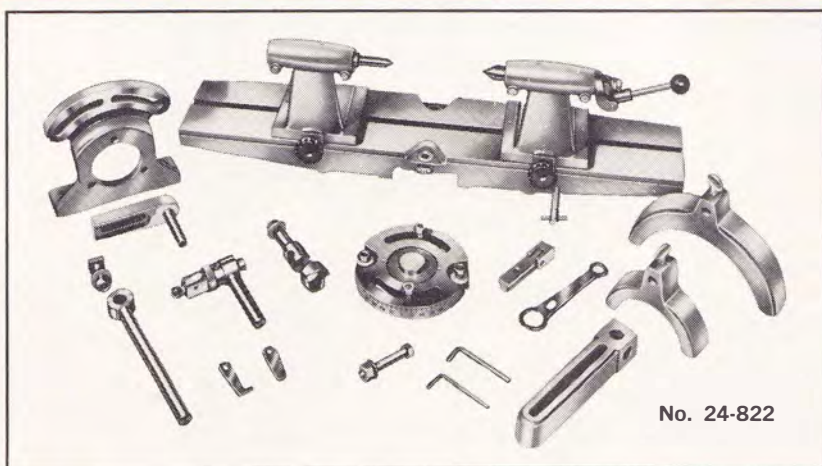


No. 24-823 Coolant Attachment complete with sight gravity feed oiler, coolant line, fittings, 24-820 Wheel Adapter with holes and slots for coolant, and instructions. 5 lbs.

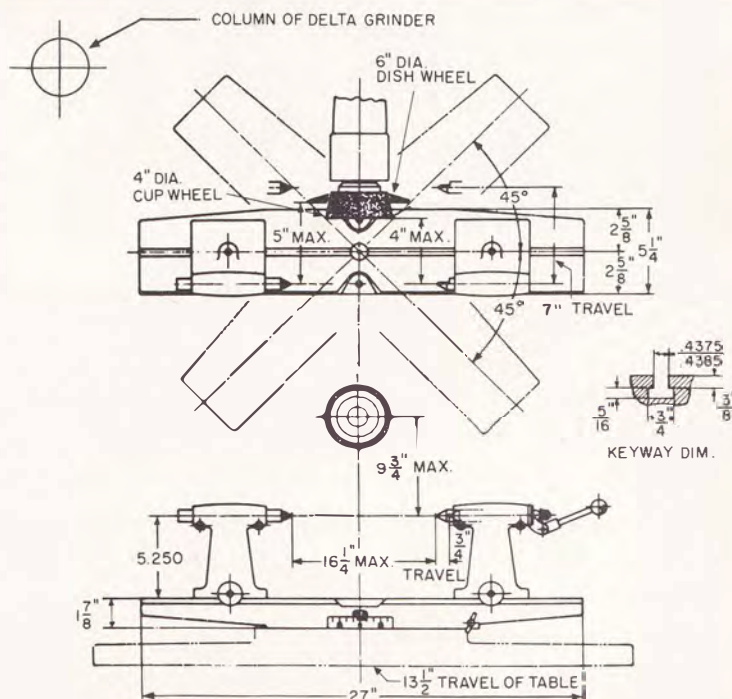
GRINDER ATTACHMENT CONVERTS STANDARD SURFACE GRINDER TO A TOOL AND CUTTER GRINDER

The Tool and Cutter Grinding Attachment is designed and engineered to permit conversion of the basic Toolmaker Surface Grinder for tool and cutter grinding work. This complete attachment, when added to the basic Toolmaker Surface Grinder, provides the workholding features for sharpening many types of small tools and cutters.

No. 24-822 Toolmaker Tool and Cutter Grinding Attachment consisting of swivel table with head and tail stocks and No. 24-970 tooth stop unit. 2 wheel guards and support bracket. Standard on 24-151 Grinder. Can be added to 24-150 and 24-152 Toolmaker Grinders. 70 lbs.



No. 24-822



ROCKWELL DELTA GRINDERS and BUFFERS

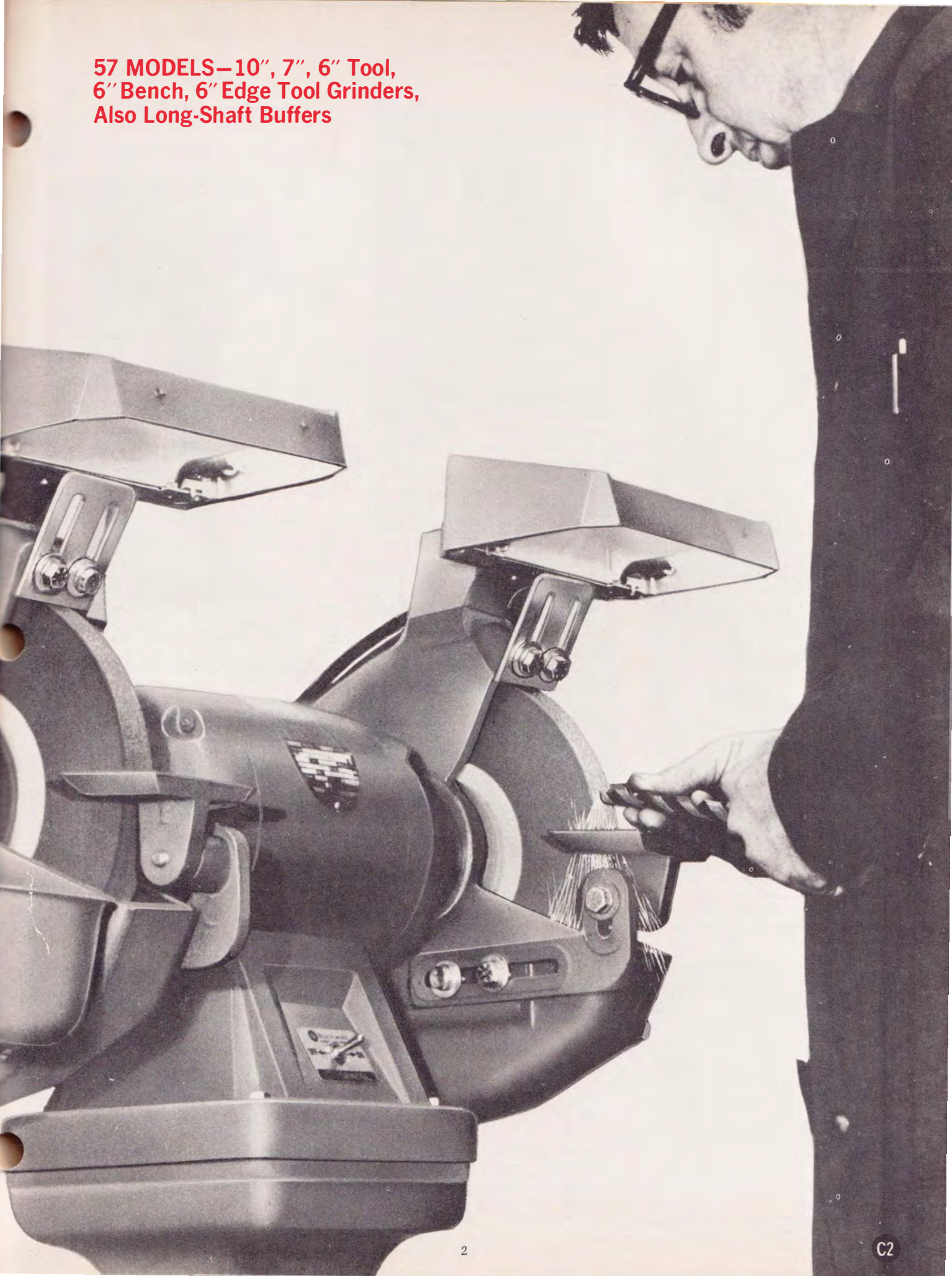


Here are a few reasons why they perform so well!

- "Thin-line" motors provide *extra clearance* between wheels and motor.
- Extended end bells allow *more room* for grinding or buffing odd-shaped work pieces.
- Fully adjustable tool rests increase job versatility.
- "Twin-Lite" safety shields, with shatter-proof glass, safeguard operator's eyes.
- Extra safe design, such as cast iron wheel guards with integral dust chutes, *increases operator safety*.

These and many more features, together with Rockwell Delta's Proven Quality, assure you of long, trouble-free performance!

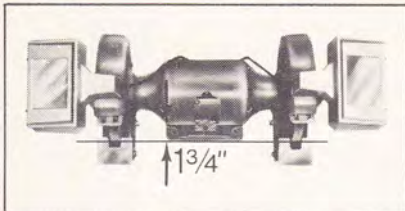
**57 MODELS—10", 7", 6" Tool,
6" Bench, 6" Edge Tool Grinders,
Also Long-Shaft Buffers**



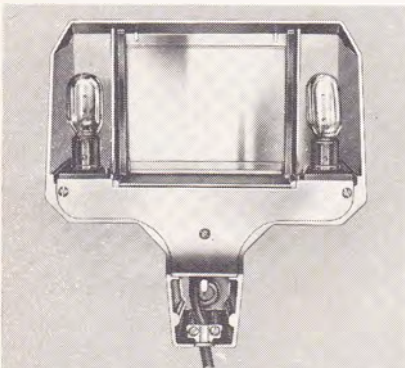
ROCKWELL DELTA INDUSTRIAL METALWORKING MACHINES

ROCKWELL DELTA 10" GRINDER

QUALITY FEATURES THAT ASSURE LONG, TROUBLE-FREE GRINDER PERFORMANCE



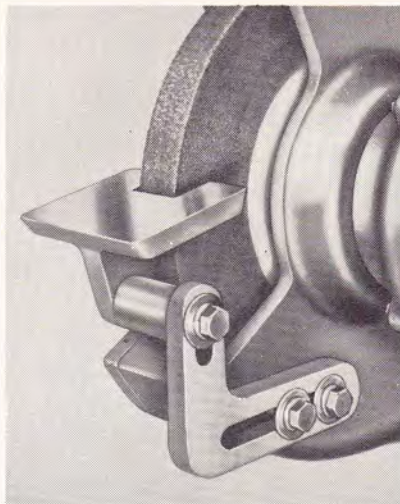
Modern "Thin-Line" Motor: Heavy duty, dual voltage motor is slim in design, providing a full 1 $\frac{3}{4}$ " space between wheels and motor, ample clearance for grinding odd-shaped items and long stock. Totally enclosed motor has double sealed ball bearings to keep out harmful abrasive dust. Twin-Lite® Safety Shields may be easily swung out of the way, yet are instantly available when required.



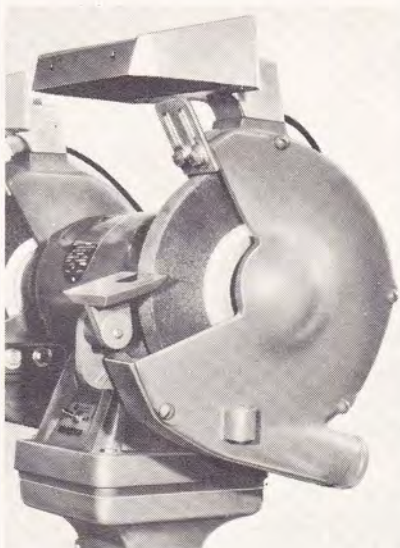
Famous Twin-Lite® Safety Shields: Designed to operate independently of the shop lighting system, they have no equal. Double strength, shatterproof glass safeguards operator's eyes. Special spring clips prevent rattle. Bayonet type bulbs stay tight and are shielded to prevent glare. Ideally placed, they throw a full flood of light on both sides and face of wheel without casting any shadow.



Handy Water Pot: Conveniently mounts on either side, adjacent to wheel on which grinding is being done.



Many-Purpose Tool Rests: Fully machined tool rests adjust both horizontally and vertically and tilt for exact grinding angle desired. They lock rigidly in place, yet may be quickly removed for accessory attachments. Note wrap-around ledges that permit grinding on sides as well as face of wheel.



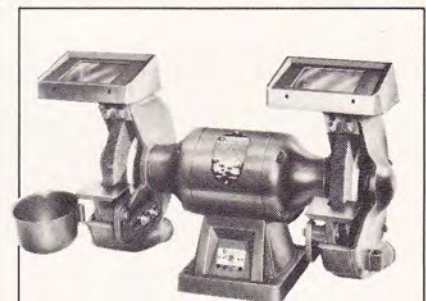
Excellent Safety Features: This Delta grinder is unmatched for safety in design. Shatterproof glass in eye-shields, heavy cast iron guards with integral dust chutes, removable extra thick side plates and adjustable spark deflectors provide for maximum operator safety.

ROCKWELL DELTA QUALITY GRINDER EXTRAS

- Motors are dual voltage, re-connectable type.
- Single phase motor is preferred capacitor-start, capacitor-run type.



**No. 23-140
Pedestal Model 10" Grinder**



**No. 23-136
Bench Model 10" Grinder**

Tool rooms, experimental departments, foundries, garages and schools are just a few of the many users who appreciate the Rockwell Delta 10" Grinder. Why? Because it will capably handle all grinder operations—stock removal . . . snagging . . . sharpening of tool bits . . . shaping of special parts . . . cleaning of rust and scale . . . and dozens of additional jobs.

Here's why! This 10" Grinder incorporates all the right features for quick, easy, efficient operation, year after year.

Only Delta gives you Twin-Lite® Safety Shields, a modern "thin-line" motor, fully adjustable tool rests, plus heavy duty construction throughout.

ROCKWELL DELTA INDUSTRIAL METALWORKING MACHINES

ROCKWELL DELTA 10" GRINDER

MACHINE DATA

Motor:

Horsepower 1, 1½
RPM 1725
Shaft: Diameter 7/8"
Extends beyond Wheel Flange. 2½"

All Motors, Except 200V and 575V, Are Dual Voltage With Reconnectable Feature. Single Phase Motors Are Capacitor-Start, Capacitor-Run Type.

Wheels:

Size. 10" Diameter, 1" Face, 7/8" Hole
Distance Between Centers. 18"

Wheel Flanges, Diameter:

Inner 4¼"
Outer 4¾"

Dimensions, Overall, Bench Type:

Height (Without Twin-Lites) .. 15¼"
Width 30"
Front to Back 13"
Base:

Overall Space on Bench. 8½x8½"
Centers of Mounting
Holes 6¾x6¾"

Dimensions, Overall, Pedestal Type:

Height 49"
Width 30"
Front to Back 13"
Base:

Overall Space on Floor: Width. 16"
Front to Back 14"
Centers of Floor Mounting Holes:
Left to Right 12"
Front to Back 10"

STANDARD EQUIPMENT

Grinders are furnished with two Twin-Lite® Safety Shields, two balanced wheels, wheel guards, spark deflectors, tool rests and water pot. Single phase models are wired for 230 V operation and include two-pole on-and-off toggle switch and 8-foot power cable with 230 V grounding type tandem blade plug. Three phase models include 22½" motor leads for power connections.

Bulbs must be ordered separately for Twin-Lite® Safety Shields.

ROCKWELL DELTA GRINDER ACCESSORIES PROVIDE INCREASED JOB PERFORMANCE

No. 23-819 Aluminum Oxide Wheel, 1" x 10", 36 G, 1¼" hole with bushing to fit 7/8" diameter shaft. 7 lbs.

No. 23-820 Aluminum Oxide Wheel, 1" x 10", 60 G, 1¼" hole with bushing to fit 7/8" diameter shaft. 7 lbs.

No. 23-817 Aluminum Oxide Wheel, same as 23-819 except with bushing to fit ¾" diameter shaft. 7 lbs.

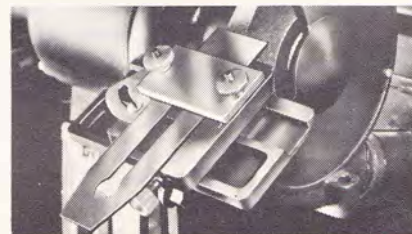


No. 23-818 Aluminum Oxide Wheel, 1" x 10", same as 23-820 except with bushing to fit ¾" diameter shaft. 7 lbs.

No. 23-025 (old 1250) Twin-Lite® Safety Shield (two required). Without bulbs. 5 lbs.

No. 23-280 (old 1280) Appliance Type Bulb, clear glass, 25 watt, 115-125V, with double contact bayonet ("plug-in") base. Four required. ¼ lb.

No. 23-805 Pedestal. Used to convert 10" Bench Grinder to pedestal type. 67 lbs.

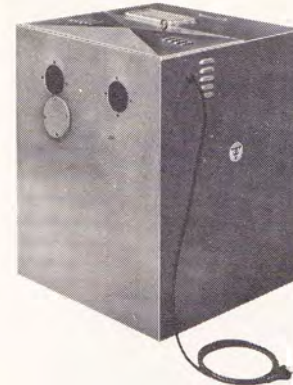


No. 23-294 (old 1294) Edge Tool Grinding Attachment. For sharpening plane irons, wood chisels, etc., up to 3¼" wide. See Page 3, Section C7 for complete description. 6 lbs.



No. 23-664 (old 1664) Wheel Dresser Holder. Used with No. 23-312 Wheel Dresser. 4 lb.

No. 23-312 (old 3121) Diamond Pointed Wheel Dresser. Should be used with No. 23-664 Holder. 1 lb.



No. 49-520 Dust Collector for single phase operation, ½ HP, 115/230V, 60 hz, 3450 rpm. Includes on-and-off switch, switch rod, 115V 8-foot cord and 3-prong grounding type plug, mounted and wired. 95 lbs.

No. 49-527 Motor Driven Dust Collector for three phase operation, ½ HP, 230/460 V, 60 hz, 3450 rpm. Includes 3-pole on-and-off switch, switch rod and 8-foot 4-conductor grounding type cord, wired to switch for 230 V. Less plug. 97 lbs.

No. 49-529 Extra Standard Filter for dust collector. 7 lbs.

No. 49-531 Holder with two expanded fiber filter pads for dust collector. Recommended for fine dust. 12 lbs.

No. 23-803 Attachment Package for dust collectors. Used with new style 10" Grinder. 7 lbs.

For additional grinder accessories, see Page 3, Section C7.

CATALOG LISTING

COMPLETE 10" GRINDER, Bench or Pedestal Mounted, with Motor and Controls Factory Mounted and Wired as Specified Below:

MOTOR	MOTOR CONTROL	MOTOR ENCLOSURE	HZ. AND MOTOR RPM	MOTOR VOLTAGE	TYPE	SHIP. WT. LBS.	MACHINE CAT. NO.	MACHINE CAT. NO. 200 V	MACHINE CAT. NO. 575 V
Single Phase 1 Horsepower	On-Off Toggle Switch	TENV	60-1725	115/230	Bench	148	23-136		
	On-Off Toggle Switch	TENV	60-1725	115/230	Pedestal	210	23-140		
	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TENV	60-1725	115/230	Pedestal	228	23-150		
Three Phase 1½ Horsepower	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TENV	60-1725	230/460	Pedestal	218	23-146	23-148	23-149
	Three Phase Bench Models, Not Factory Wired. Order Controls as Specified Below.								
	None—Separate Toggle Switch Furnished for Twin Lites	TENV	60-1725	230/460	Bench	132	23-137	23-138	23-139

Use No. 52-347 Push Button Switch when manual control is desired. Use 49-674 Magnetic Starter, 49-530 Transformer, and 49-842 Push Button Switch for integral mounting in starter box, or 52-348 Remote Control Push Button Switch, when 115 V magnetic control is desired. Specify grinder catalog number and voltage when ordering starter.

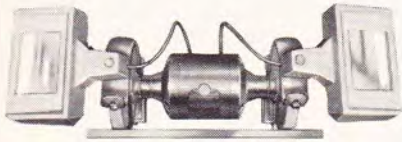
NOTE: Single phase electricals will be supplied wired for 230 V, unless 115 V is specified. Three phase electricals will be supplied wired for 230 V,

unless 460 V is specified. Power Cord and Plug supplied for single phase only.

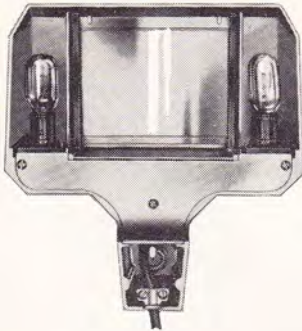
ROCKWELL DELTA INDUSTRIAL MACHINES

ROCKWELL DELTA 7" STANDARD GRINDER

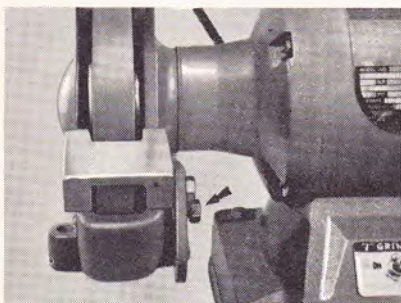
QUALITY FEATURES THAT MAKE THE 7" STANDARD GRINDER YOUR BEST BUY



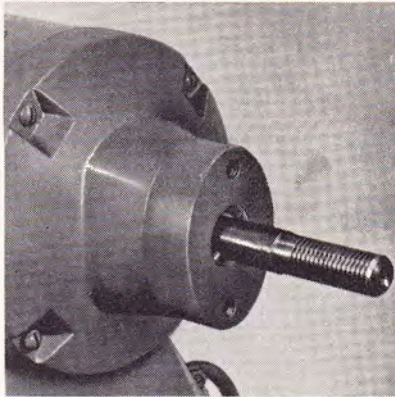
"Thin-Line" Motor: The slim design of the motor, combined with the extra long end bells, assures ample clearance for grinding odd-shaped items and long stock. Totally enclosed, it incorporates double sealed ball bearings, plus an extra seal, to keep out harmful abrasive dust. Note how Twin-Lite® Safety Shields may be easily swung out of the way, yet are instantly available when required.



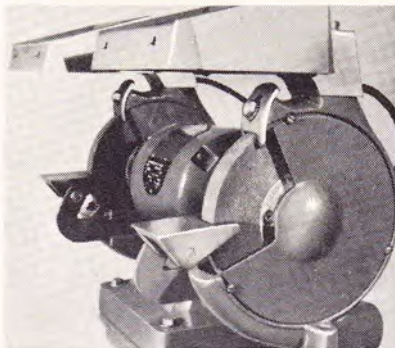
Famous Twin-Lite® Safety Shields: Designed to operate independently of the shop lighting system, they have no equal. Double strength, shatterproof glass safeguards operator's eyes. Special spring clips prevent rattle. Bayonet type bulbs stay tight and are shielded to prevent glare. Ideally placed, they throw a full flood of light on both sides and face of wheel without casting any shadow.



Precision Ground Tool Rests: These fully machined tool rests feature a single mounting screw that locks them rigidly in place, yet they may be quickly removed for accessory attachments. They adjust completely for the exact grinding angle desired. Note the special ledges that permit grinding on both sides as well as the face of the wheel.



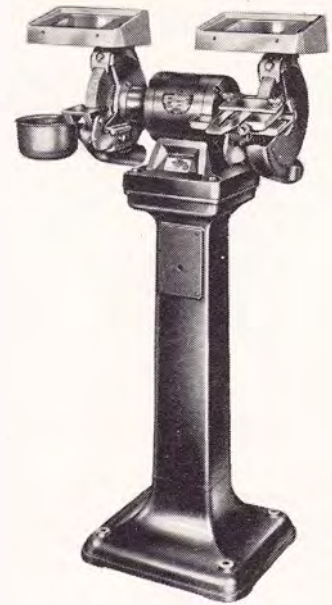
Specially Designed End Bells: Unique End Bell Hubs are oval in cross section—thick from top to bottom for extra rigidity—thin from front to back to give an extra measure of room for manipulating odd-shaped work pieces. These hubs extend out extra far, provide more room between the grinding wheel and the motor.



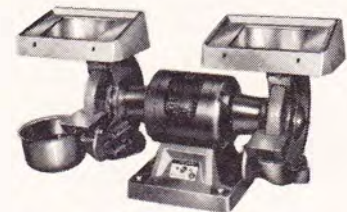
Advanced Safety Features: This unmatched combination of safety features makes the Rockwell-Delta Grinder the safest 7" grinder on the market! Shatterproof glass in patented eye-shields, heavy cast iron guards with integral dust chutes, removable steel side plates, and adjustable spark deflectors provide maximum safety to the operator.

ROCKWELL DELTA QUALITY GRINDER EXTRAS

- Single phase, 115/230 V motor is capacitor start type requiring low starting current—won't dim lights like split-phase motors.
- Balanced motor and wheels assure extra smooth operation.
- Large, over-size wheel flanges eliminate wheel breakage, meet ASA safety code specifications.
- Wheel guard chutes utilize the natural fan action of the grinding wheels, make installation of dust collectors an easy job.
- Handy water pot conveniently mounts on either side.



**No. 23-244 Pedestal Model
7" Standard Grinder**
which includes 23-294 Edge Tool
Grinding Attachment



**No. 23-200 Bench Model
7" Standard Grinder**

Here's the Finest, Safest, Most Accurate 7" Grinder That You Can Buy! Why?

Because it has built into it all the famous Rockwell Delta *Quality* features that have made Delta 7" grinders the *accepted standard* in thousands of the nation's shops for more than 25 years.

Check it feature for feature with any other 7" grinder on the market. Listen to its quiet, smooth operation. You'll see why leaders in industry, schools and commercial shops continually make it their *first choice*!

STANDARD EQUIPMENT

Grinders are furnished with a water pot, Twin-Lite® safety shields, wheel guards, tool rests and two wheels. Single phase models are wired for 115V operation and include on-and-off switch with 115V 8-foot grounding cord and 3-prong plug.

Note: Four No. 23-280 Lamp Bulbs must be ordered separately.

ALSO MADE IN CANADA

ROCKWELL DELTA INDUSTRIAL MACHINES

ROCKWELL DELTA 7" STANDARD GRINDER

MACHINE DATA

Motor:

Horsepower ½
Shaft
Diameter ⅝"
Extends Beyond Flange 1 ¾"
Frame Diameter 5 ⅜"

All Motors, Except 200 V, Are Dual Voltage With Reconnectable Feature. Single Phase Motors Are Capacitor Start Type.

Wheels:

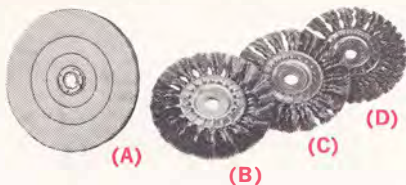
Size 7" Dia., 1" Face, ⅝" Hole
Distance Between Centers 14 ½"

Pedestal Type:

Base 14 ¼" x 16"
Width 23 ¼"; Depth 15"
Height 47 ½"
Tool Rest From Base 40"

Bench Type:

Base 8 ½" x 8 ½"
Width 23 ¼" Depth 11"
Height 13 ¾"
Tool Rest From Base 6 ⅝"

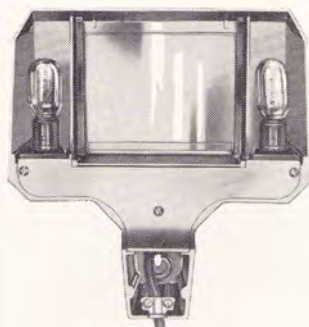


(A) No. 23-825 8" Buffing Wheel for ⅝" arbor, ¾" face, 48 ply, fine muslin, cushion type with three circles of lock-stitched sewing. Includes one pair of toothed flanges for ⅝" arbor and instructions for use. A professional quality, general purpose buff recommended for light cutting down and for finish coloring. 1 lb.

(B) No. 23-632 (old 1236) Wire Brush, 6" diameter, fine, ⅝" hole. 1 lb.

(C) No. 23-637 (old 1237) Wire Brush, 6" diameter, medium, ⅝" hole. 1 lb.

(D) No. 23-638 (old 1238) Wire Brush, 6" diameter, coarse, ⅝" hole. 1 lb.



No. 23-025 (old 1250) Twin-Lite® Safety Shield (two required). Without bulbs. 5 lbs.

ROCKWELL DELTA QUALITY ACCESSORIES

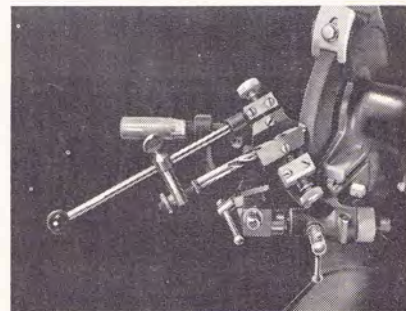
No. 23-267 (old 1267) Vitreous Aluminum Oxide Wheel, ⅝ x 7", 46 G, Grade N, ⅝" hole. Special friable wheel for cool grinding of drills, plane blades, chisels, etc. 2 lbs.

No. 23-815 Aluminum Oxide Wheel, 1 x 7", 60 G, Grade N, ⅝" hole. 4 lbs.

No. 23-816 Aluminum Oxide Wheel, 1 x 7", 46 G, Grade M, ⅝" hole. 4 lbs.

No. 23-280 (old 1280) Appliance Type Bulb, clear glass, 25 watt, 115-125V, with double contact bayonet ("plug-in") base. ½ lb.

No. 23-805 Pedestal. Used to convert 7" Standard Bench Grinder to a pedestal type. 67 lbs.



No. 23-296 (old 1296) Drill Grinding Attachment. So accurately made and easy to operate that anyone can do a perfect drill sharpening job. Grinds with the face of the wheel. Micrometer settings insure evenly ground lips. Amount of lip clearance on drill is just right, with enough of the heel cut away to provide clearance without weakening the cutting edge. With it you can grind straight shank twist drills to fit your job—with clearance and point angles at any degree you need. Capacity—⅛" to ⅝" drills. Furnished with No. 23-664 Holder for Wheel Dresser.

Order No. 23-312 (old 3121) Diamond Wheel Dresser separately. 12 lbs.

For additional grinder accessories, see Page 3, Section C7.

CATALOG LISTING

COMPLETE 7" GRINDER, Bench or Pedestal Mounted, with Motor and Controls Factory Mounted and Wired as Specified Below.

MOTOR	MOTOR CONTROL	MOTOR ENCLOSURE	HZ. AND MOTOR RPM	MOTOR VOLTAGE	TYPE	SHIP. WT. LBS.	MACHINE CAT. NO.	MACHINE CAT. NO. 200 V
Single Phase ½ Horsepower	On-Off Toggle Switch	TENV	60-1725	115/230	Bench	80	23-200	
	On-Off Toggle Switch	TENV	60-1725	115/230	Bench	86	X23-240	
	On-Off Toggle Switch	TENV	60-1725	115/230	Pedestal	147	23-220	
	On-Off Toggle Switch	TENV	60-1725	115/230	Pedestal	153	X23-244	
	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TENV	60-1725	115/230	Pedestal	160	23-212	
	On-Off Toggle Switch	TENV	60-3450	115/230	Bench	80	23-201	
	On-Off Toggle Switch	TENV	50-2850	115/230	Bench	88	23-202	
	On-Off Toggle Switch	TENV	60-3450	115/230	Pedestal	147	23-221	
	On-Off Toggle Switch	TENV	50-2850	115/230	Pedestal	147	23-222	
	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TENV	60-3450	115/230	Pedestal	160	23-213	
Three Phase ½ Horsepower	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TENV	60-3450	230/460	Pedestal	165	23-215	23-214
	Three Phase Bench Models Not Factory Wired. Order Controls As Specified Below.							
	None-Separate Toggle Switch Furnished For Twin Lites	TENV	60-1725	230/460	Bench	79	23-207	23-209
	None-Separate Toggle Switch Furnished For Twin Lites	TENV	60-3450	230/460	Bench	75	23-206	23-208

Use No. 52-347 Push Button Switch when manual control is desired. Use 49-674 Magnetic Starter, 49-530 Transformer, and 49-842 Push Button Switch for integral mounting in starter box, or 52-348 Remote Control Push Button Switch, when 115 V magnetic control is desired. Specify grinder catalog number and voltage when ordering starter.

X Includes 23-294 Edge Tool Grinding Attachment.

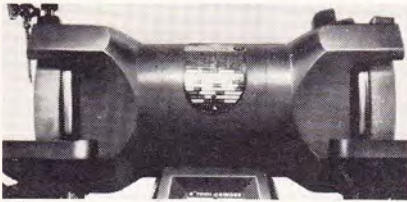
NOTE: Single phase electricals will be supplied wired for 115 V, unless 230 V is specified. Three phase electricals will be supplied wired for

230 V, unless 460 V is specified. Power Cord and Plug supplied for single phase only.

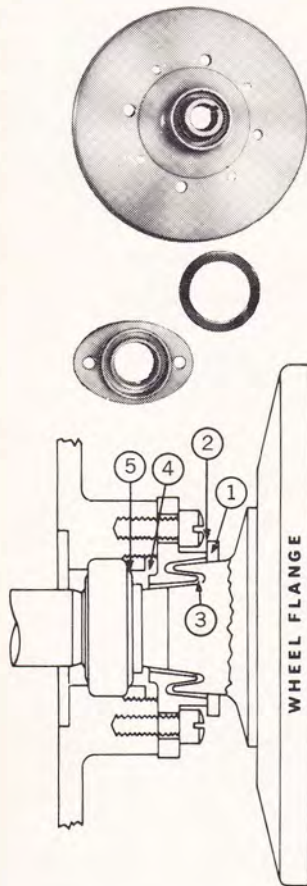
ROCKWELL DELTA INDUSTRIAL METALWORKING MACHINES

ROCKWELL DELTA 6" TOOL GRINDER

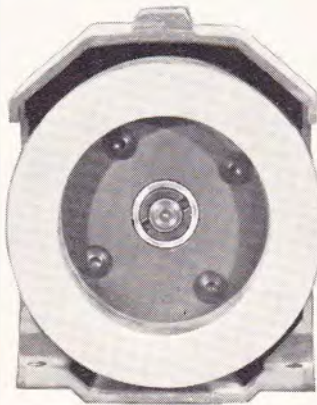
QUALITY FEATURES THAT ASSURE PRECISION GRINDING PERFORMANCE



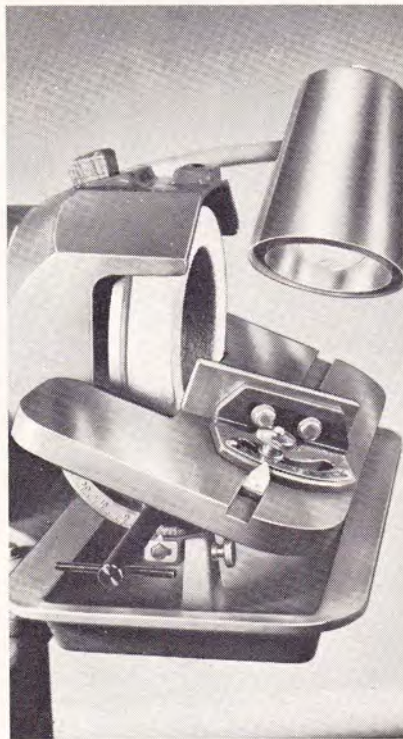
Specially-Designed Motor: Totally enclosed motor has heavy, integrally cast end bells which double as husky, safe wheel guards. All motors are dual voltage, re-connectable type. Single phase motors are powerful capacitor-start type that won't dim lights and that reach full grinding speed quickly.



Motor Bearings Protected 5 ways: It is impossible for water or abrasive grit to reach the motor bearings. Here's why: (1) Neoprene slinger washer throws water off by centrifugal force. (2) Positive contact of washer against seal closes opening to labyrinth. (3) Labyrinth type, centrifugally designed bearing seal interlocks with wheel flange. (4) Space between labyrinth seal and motor bearing is packed with grease. (5) Actual motor bearing is sealed as final protective measure.



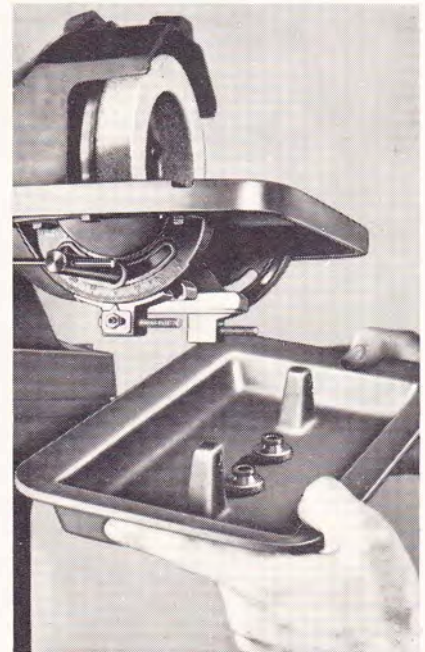
Wheel Centering Ring (Shown in Place): A ring is provided to automatically center wheels when mounted. Flanges have two sets of mounting holes, one for silicon-carbide or aluminum-oxide wheels and one for diamond wheels.



Husky, Extra Large Tables: Made of cast iron, they ride on widely spaced trunnions for maximum rigidity in operation. Easy-to-read scales at both ends facilitate tilting to 30° in and 45° out for grinding cutter bit angles easily, accurately and safely. A $\frac{1}{2} \times \frac{3}{16}$ " groove accommodates jigs and fixtures. Wheel changing is easy because tables lift off machine without need for using wrenches.



Handy Brake; Convenient Reversing Switch: Positive brake quickly stops wheels to save valuable production time. Switch instantly reverses wheel rotation so wheel is turning downward at both front and rear grinding points. Therefore, operator's hands are always safely placed outside and away from upward traveling face of wheel.



Quick-Release Coolant Pans: Designed to catch all water and sludge. Knurled knobs permit their quick removal for washing away from grinder. This saves operator's time, also keeps machine and working area clean and dry for added safety.

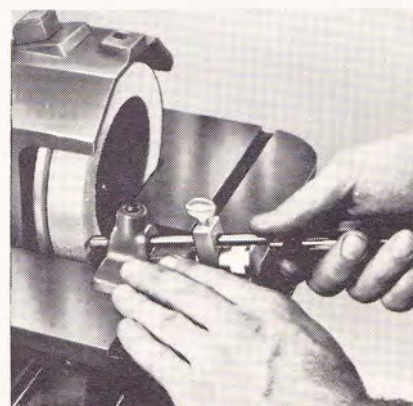
ROCKWELL DELTA INDUSTRIAL METALWORKING MACHINES

ROCKWELL DELTA 6" TOOL GRINDER

DELTA FEATURES—continued



Specially Designed Sliding Angle Jig (Standard Equipment): Tilt angle scale, with adjustable pointer, facilitates accurate grinding of compound angles up to 45°, right or left. Movable face plate can be adjusted to bring support of cutting tool as close to wheel as desired. This feature assures better grinding with greater safety for the operator.



Diamond Pointed Wheel Dresser: This accessory dresses aluminum oxide and silicon carbide wheels. With the aid of the Wheel Dressing Tool Holder, it quickly sharpens the face of the wheel and trues it exactly parallel to table groove. Thus, tool bits can be sharpened to exact specifications.

QUALITY GRINDER EXTRAS

- To assure smooth, vibration-free operation, aluminum wheel flanges are dynamically balanced, then faced off after assembly. Light in weight, they permit quicker starting and stopping.
- Lamp Attachment has a flexible gooseneck for providing a full flood of light at the four grinding points. Nylon cool-shield on lamp prevents burned fingers.
- Handy Water Pot With Faucet conveniently mounts on either side. A tapered brass mounting post securely holds it in place.
- Balanced motor and wheels assure extra smooth operation.



Wheels Not
Furnished With
Grinder (Order
Separately).

If you grind or lap carbide-tipped tool bits or sharpen either high-speed steel or alloy steel single-point cutting tools, the Rockwell-Delta 6" Tool Grinder is the ideal machine for you.

As a Small Shop Owner You Can Do Your Own Grinding Economically and Quickly, Right in Your Own Shop, the Way You Prefer. It reduces operating costs because it makes possible internal grinding, therefore, a smaller investment in tools is required. It increases production. There's no loss of production time because tools are ground right in the plant. It increases efficiency. Tools can be sharpened to exact specifications without delay.

As a Large Shop Owner You Can Use the Rockwell-Delta 6" Tool Grinder to Relieve the Bottleneck on Your Larger Grinders. When the tool room has your large grinders tied up, you can use the Delta Grinder to handle the smaller jobs. The use of smaller grinding wheels will save dollars in wheel costs, particularly when diamond wheels are used.

As a School Shop Instructor You Can Teach Accurate Grinding on the Rockwell-Delta 6" Tool Grinder. When you ask your students to grind a specific rake, clearance, or point angle, there will be no guesswork on their part. They can get it by setting the table and the sliding angle jig. Their work will have a single face, not many faces. Your students' work will meet the high standards you demand.

With a Rockwell-Delta 6" Tool Grinder You Can Sharpen Tools to Your Specifications. As a toolmaker, model maker, lathe operator or maintenance man, you can do precision grinding or diamond finishing of carbide-tipped tool bits, high-speed, alloy steel or carbon steel single-point cutting tools right in your plant to keep work moving through your shop. This inexpensive grinder also is ideal for sharpening boring bars, star drills, blades, and for roughing multiple point tools.

MACHINE DATA

Motor:

Horsepower ½
Totally Enclosed (TENV)
All Motors are Dual Voltage with Re-connectable Feature.
Single Phase Motors are Capacitor Start type.

Wheels Recommended:

Size: 6" Diameter, 1" Thick, 1" Face, with 1¼" Hole
Type: Plate Mounted (D6A2C Diamond Wheels)
Bolt Circle 3¼"
Holes in Plate (4)
For Diamond Wheels ⅝", Countersunk
For Sil. Carb. and Alum. Ox.
Wheels 1½", Straight

Wheel Flanges:

6" Diameter, Tapped for Mounting Wheels
Aluminum, Dynamically Balanced

Tables:

Tilt 45° Out and 30° In
Size 7¼ x 12¼"
Groove for Sliding Angle
Jig ⅜ x ½"

Dimensions, Overall, Bench Type

Height (Without Lamp) 14¼"
Width .. 24¼" Front to Back .. 15"
Base

Overall Space on Bench 8½ x 8½"
Centers of Mounting

Holes 6¾ x 6¾"

Dimensions, Overall, Pedestal Type

Height (Without Lamp) 47¼"
Width .. 24¼" Front to Back .. 15"
Base

Overall Space on Floor
Width .. 16" Front to Back .. 14"
Centers of Floor Mounting Holes
Left to Right 11⅞"
Front to Back 10"

CATALOG LISTING

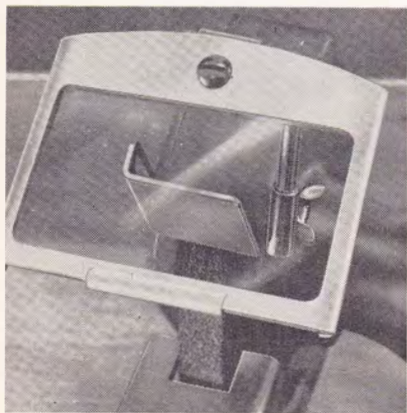
NO.	TYPE	MOTOR—½ HP	SPEED RPM	SHIP. WT. LBS.
23-501	Bench	115/230 V, 60 Hz, Sgl. Ph.	3450	85
23-502	Bench	230/460 V, 60 Hz, 3 Ph.	3450	85
23-504	Bench	575 V, 60 Hz, 3 Ph.	3450	85
23-509	Bench	200 V, 60 Hz, 3 Ph.	3450	85
23-521	Pedestal	115/230 V, 60 Hz, Sgl. Ph.	3450	152
23-522	Pedestal	230/460 V, 60 Hz, 3 Ph.	3450	152
23-524	Pedestal	200 V, 60 Hz, 3 Ph.	3450	152

STANDARD EQUIPMENT

All models have one each lamp attachment, water pot, sliding angle jig and on-and-off reversing switch. Single phase models are wired for 115 V operation and include 115 V 8-foot grounding cord and 3-prong plug. **Note:** When overload protection is desired on single phase, use No. 49-669 Overload Switch. Specify grinder catalog number and voltage when ordering switch.

ROCKWELL 6" BENCH GRINDER

ROCKWELL QUALITY FEATURES ASSURE SMOOTH GRINDER PERFORMANCE



Protective Eyeshield . . . Each specially designed eyeshield contains two sections of glass that are completely enclosed within a protective metal frame. Mounting post provides additional positioning flexibility.

Benefit: Eyeshield safeguards operator's eyes while providing complete positioning flexibility for grinding on front or sides of wheel.



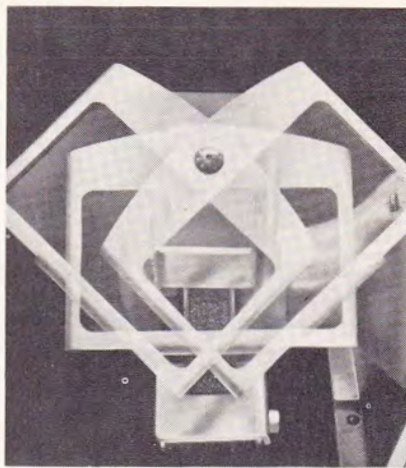
Thin Motor Design . . . Heavy duty motor is thin in design and completely enclosed.

Benefits: You have ample clearance for grinding long stock, even after wheel wear. Totally enclosed motor, which has shielded, lubricated-for-life ball bearings, keeps out harmful abrasive dust.



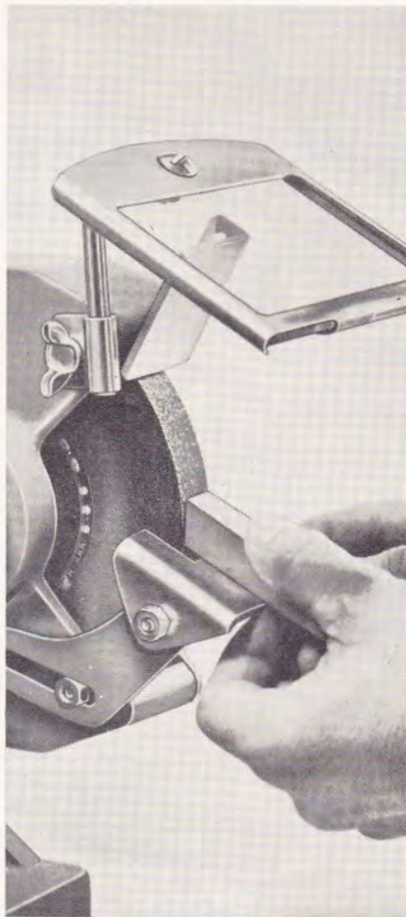
Small End Bells . . . The long, tapered end bells provide an extra amount of room between the motor and grinding wheel.

Benefit: You have ample clearance for grinding large or odd-shaped work pieces easily and quickly.



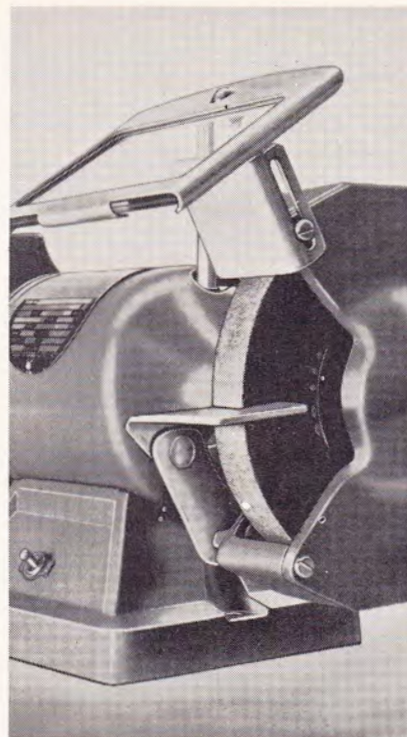
Flexible Eyeshields . . . Fully adjustable, they move up, down, left or right, to any desired position.

Benefit: You can position eyeshields to the exact angle desired for safe, accurate grinding.



Fully Adjustable Tool Rests . . . Adjust both horizontally and vertically . . . tilt for exact angle desired. Designed with wrap-around ledges.

Benefits: Complete adjustability feature enables you to position rests at any grinding angle desired. Wrap-around ledges permit grinding on sides as well as face of wheel.



Designed for Safety . . . Maximum safety is guaranteed by the protective eyeshields, adjustable spark deflectors, cast iron wheel guards and removable end plates.

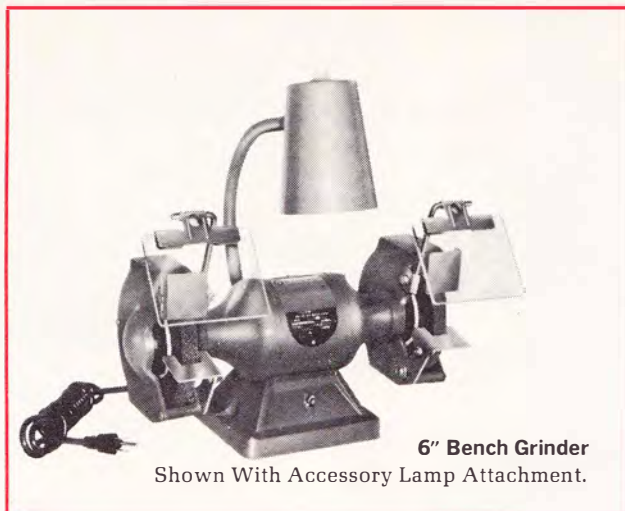
Benefits: The Rockwell 6" Bench Grinder provides maximum safety for the operator.

ROCKWELL QUALITY GRINDER EXTRAS

- **Rugged Motor Design**—Built for heavy duty grinding in industrial, commercial and school shops.
- **Quick-Mounting Eyeshields**—Can be mounted in a few minutes without requiring any disassembly of grinder.
- **Excellent Bearing Construction**—Large, lubricated-for-life ball bearings assure smooth grinder performance.
- **Wheel Guards Quickly Removed**—Enable grinder to be quickly converted for use as a buffer or polisher.
- **Precision Balanced Wheels**—Balanced to assure extra smooth running—36 grit wheel for coarse grinding—60 grit wheel for fine grinding.
- **Three Conductor Cord**—8-foot, jacketed type cord with 3-prong grounding type plug, is U.L. and C.S.A. approved.
- **Lamp Mounting Feature**—Grinder base is drilled and tapped for mounting accessory Lamp Attachment.
- **Many Accessories Available**—Only Rockwell offers a complete line of accessories for increased grinder performance.

ROCKWELL DELTA INDUSTRIAL METALWORKING MACHINES

ROCKWELL 6" BENCH GRINDER



6" Bench Grinder
Shown With Accessory Lamp Attachment.

This Rockwell 6" Bench Grinder is an *all-purpose unit* . . . excellent for grinding, polishing and buffing. It's ideally suited for use in tool rooms, experimental departments, foundries, garages, on farms, and in school and home workshops. Here's why: Its accuracy is insured by the balanced grinding wheels, a precision ground shaft and sealed-for-life ball bearings. Maximum safety is guaranteed by such features as adjustable spark deflectors, cast iron wheel guards, removable end plates and fully adjustable tool rests. Protective eyeshields and lamp attachment provide additional operator safety. Only that portion of the grinding wheel being used is actually exposed.

Increase the efficiency of your operation. Place one of these low-cost, versatile grinders at every bench in your shop!

MACHINE DATA

Motor:

Horsepower $\frac{1}{8}$
Volts 115, Hertz 60, AC, 1 Phase
RPM 3450
Arbor... $\frac{5}{8}$ " Dia... Ends Threaded $\frac{1}{2}$ "—20 Left and Right

Wheels:

Size 6" Diameter, $\frac{3}{4}$ " Face, $\frac{1}{2}$ " Hole
Distance Between Centers $13\frac{1}{8}$ "

Wheel Flanges:

Diameter 3"

Dimensions, Overall:

Left to Right
With Eyeshields $23\frac{1}{4}$ "
Without Eyeshields 17"
Front to Rear $8\frac{3}{4}$ "
Height 9"

Base:

Width $7\frac{3}{4}$ "
Front to Back $6\frac{5}{8}$ "
Mounting Holes (2), Center to Center $6\frac{3}{8}$ "

STANDARD EQUIPMENT

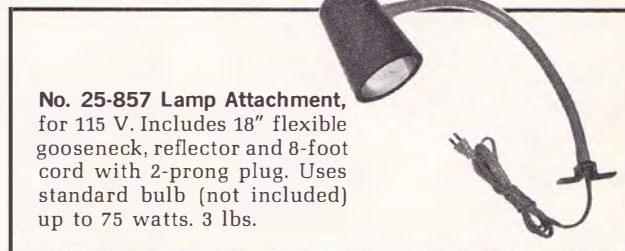
Grinders are furnished with two wheels (36 and 60 grit), eyeshields, wheel guards, spark deflectors, tool rests, on-and-off switch and 8-foot cord with 115 V grounding type plug. **Lamp Attachment must be ordered separately.**

CATALOG LISTING

BASIC MACHINE

No. 23-612 6" Bench Grinder. With $\frac{1}{8}$ HP motor, on-and-off switch, 8-foot cord with 115 V grounding type plug, eyeshields, wheel guards, spark deflectors, tool rests and two wheels—36 grit and 60 grit. Less lamp attachment. 44 lbs.

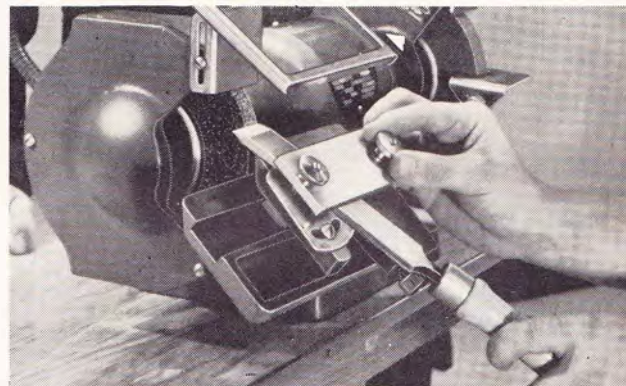
BASIC ACCESSORY



No. 25-857 Lamp Attachment,
for 115 V. Includes 18" flexible
gooseneck, reflector and 8-foot
cord with 2-prong plug. Uses
standard bulb (not included)
up to 75 watts. 3 lbs.

CONVERT YOUR ROCKWELL 6" BENCH GRINDER TO AN EDGE TOOL GRINDER

You can do this simply by replacing the left wheel with the special No. 23-828 Wheel and the left tool rest with the No. 23-845 Edge Tool Grinding Attachment. No. 23-312 Diamond Dresser also recommended.



No. 23-845 Edge Tool Grinding Attachment. Ideal for school shops, cabinet shops, and all types of woodworking shops. Although especially recommended for sharpening plane irons, this attachment also does an excellent job of grinding wood chisels, putty knives, scrapers and similar items up to $3\frac{1}{4}$ " wide. See Section C6 for applications.

Slide is notched for wooden handles of wood chisels, including "butts" which have a very short chisel blade. Adjustable quadrant permits accurate grinding of angle knives, assures absolute right angle position for straight knives. Knurled nut gives hairline adjustment for amount of "cut." Blade or chisel being ground can be lifted off and inspected at any time without disturbing the micrometer adjustment of clamp and carriage. No. 23-828 resinoid bonded wheel is recommended. Can be used with No. 23-312 Diamond Wheel Dresser instead of No. 23-664 Wheel Dressing Tool Holder. 6 lbs.

No. 23-828 Aluminum Oxide Wheel, $\frac{1}{2}$ " x 6", 54 G, Grade K, $\frac{1}{8}$ " hole. A specially selected, resinoid bonded wheel recommended for sharpening edge tools at the standard speed of 3450 rpm, or for other work where cool grinding is important. 2 lbs.



No. 23-312 (old 3121) Diamond-Pointed Wheel Dresser. For dressing all types of general grinding wheels. Diamond is securely held. Sturdy tool is $9\frac{1}{2}$ " long with a comfortable handle. 1 lb.

ROCKWELL DELTA INDUSTRIAL MACHINES

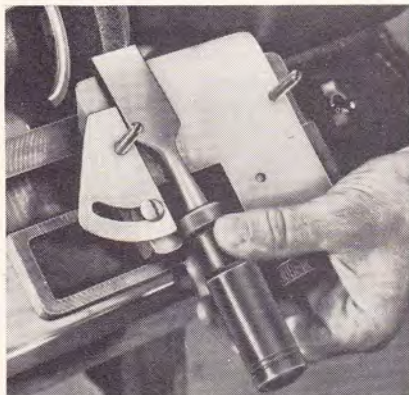
ROCKWELL 6" EDGE TOOL BENCH GRINDER

**ROCKWELL
QUALITY FEATURES THAT
ARE EXCLUSIVE WITH
THE 6" EDGE TOOL
BENCH GRINDER**



Straight-Line, Micrometer In-Feed—Only Rockwell offers an Edge Tool Grinding Attachment that precision feeds the cutting tool onto the wheel in a straight line.

Benefits: Correct clearance angle is maintained once it is pre-set into the attachment—does not change with in-feed like pivoting-type attachments. Work set-up may be removed and inspected at any time without disturbing the micrometer adjustment.



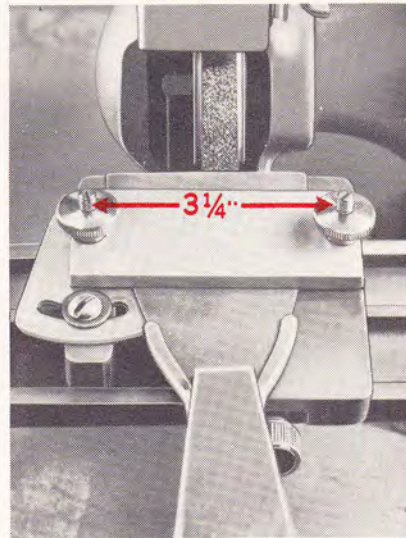
Special Design Facilitates Sharpening "Butt" Chisels—Note that the Rockwell Edge Tool Grinding Attachment contains a special notch in the slide that permits the sharpening of short-bladed chisels or "butts."

Benefit: Only Rockwell offers this special design feature which permits the clamping of "butts" such as wood chisels which otherwise would have to be sharpened free-hand. This feature cuts costs, too, because long-bladed cutting tools can be sharpened, even after the blade has been considerably ground away.



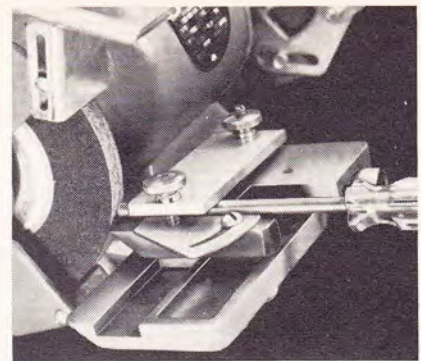
Protractor Makes Angle Grinding Easy—The Rockwell Edge Tool Grinding Attachment includes an angle plate that permits pre-setting the proper cutting edge angle when sharpening special cutting tools like wood skews.

Benefit: Only Rockwell enables you to precision grind the exact compound cutting edge angle perfectly every time. This not only saves time but tools are not ground away unnecessarily due to mistakes by the operator.



Big Capacity—Edge Tool Grinding Attachment accommodates edge tools up to 3 1/4" wide.

Benefit: Unlike smaller capacity competitive models, with Rockwell's Edge Tool Grinder you can sharpen extra wide cutting tools like cabinet scrapers, paint scrapers etc.—up to a full 3 1/4" width.



Handy Wheel Dressing Feature—Only the Rockwell Edge Tool Grinding Attachment holds and feeds the Diamond-Pointed Wheel Dresser at exactly the proper negative rake angle.

Benefit: Wheels are quickly and properly dressed, assuring perfect sharpening of edge type cutting tools, even by beginner operators.



Thin Motor Design—Heavy duty motor is thin in design and completely enclosed.

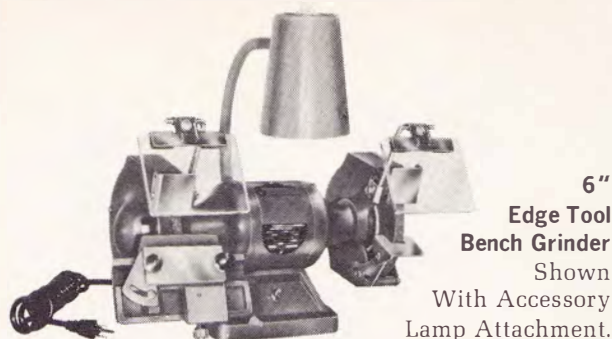
Benefits: You have ample clearance for grinding long stock, even after wheel wear. Totally enclosed motor, which has shielded, lubricated-for-life ball bearings, keeps out harmful abrasive dust.

ROCKWELL QUALITY GRINDER EXTRAS

- **Rugged Motor Design**—Built for heavy duty grinding in industrial, commercial and school shops.
- **Quick-Mounting Eyeshields**—Can be mounted in a few minutes without requiring any disassembly of grinder.
- **Excellent Bearing Construction**—Large, lubricated-for-life ball bearings assure smooth grinder performance.
- **Wheel Guards Quickly Removed**—Enable grinder to be quickly converted for use as a buffer or polisher.
- **Precision Balanced Wheels**—Balanced to assure extra smooth running—36-grit wheel for general-purpose grinding and a special, resinoid-bonded, 54-grit wheel for extra cool operation as required for grinding edge tools.
- **Three Conductor Cord**—8-foot, jacketed type cord with 3-prong grounding type plug.
- **Lamp Mounting Feature**—Grinder base is drilled and tapped for mounting accessory Lamp Attachment.
- **Many Accessories Available**—Only Rockwell offers a complete line of accessories for increased grinder performance.

ROCKWELL DELTA INDUSTRIAL MACHINES

ROCKWELL 6" EDGE TOOL BENCH GRINDER



6"
Edge Tool
Bench Grinder
Shown
With Accessory
Lamp Attachment.

Designed especially for the School Shop. Also ideal for the Commercial Wood or Cabinet Shop and the Home Workshop, too.

Versatility is the one word that best describes the Rockwell 6" Edge Tool Bench Grinder. Why? Because it has a 36-grit wheel on the right for general-purpose grinding and a special 54-grit resinoid wheel on the left for cool, precision sharpening of edge tools. The 3450 RPM motor provides the proper speed for all types of general grinding applications and the correct speed for sharpening edge tools without burning because of the special resinoid wheel that is provided. When you consider the many other built-in extras—3¼" edge tool capacity . . . straight-line, micrometer in-feed . . . special, notched grinding attachment to handle "butt" chisels . . . protractor for angle grinding . . . "thin-line" motor for extra grinding clearance . . . balanced grinding wheels . . . sealed-for-life ball bearings . . . protective eyeshields . . . and cast iron wheel guards, you realize the tremendous value this machine represents.

MACHINE DATA

Capacity. Grinds Edge Tools up to 3¼" Wide

Motor:

Horsepower 1/3; RPM 3450
Volts 115, 60 Hertz, AC, 1 Phase
Arbor 3/8" Dia., Ends Threaded 1/2"-20 Left and Right

Wheels:

Size 6"; Diameter 1/2" Hole
Distance Between Centers 13"

Wheel Flanges: Diameter 3"

Dimensions, Overall:

Left to Right (With Eyeshields) 23 1/4"
Front to Rear 8 3/4"
Height (Without Eyeshields) 9 3/8"

Base:

Width 7 3/8"; Front to Back 6 3/8"
Mounting Holes (2), Center to Center 6 3/8"

STANDARD EQUIPMENT

Grinders are furnished with two wheels (one 54 grit, 1/2" face, and one 36 grit, 3/4" face), wheel guards, spark deflectors, one tool rest, eyeshields, edge tool grinding attachment, on-and-off switch and 8-foot cord with 115 V grounding type plug. (No. 25-857 Lamp Attachment and No. 23-312 Diamond Dresser not included.)

CATALOG LISTING

BASIC MACHINE

No. 23-636 6" Edge Tool Bench Grinder complete. With instructions for operating and ready to plug in and run on 115 V, 60 hertz, single phase current. 42 lbs.

BASIC ACCESSORIES

No. 25-857 Lamp Attachment for 115 V. Includes 18" flexible gooseneck, reflector and 8-foot cord with 2-prong plug. Uses standard bulb (not included) up to 75 watts. 3 lbs.



No. 23-312 (old 3121) Diamond-Pointed Wheel Dresser. For dressing all types of general grinding wheels. Diamond is securely held. Sturdy tool is 9 1/2" long with a comfortable handle. 1 lb.

CONVERT YOUR PRESENT ROCKWELL 6" BENCH GRINDER TO AN EDGE TOOL GRINDER

You can do this simply by replacing the left wheel with the special No. 23-828 Wheel and the left tool rest with the No. 23-845 Edge Tool Grinding Attachment. No. 23-312 Diamond Dresser also recommended.

No. 23-828 Aluminum Oxide Wheel, 1/2" x 6", 54 G, Grade K, 1/2" hole. A specially selected, resinoid bonded wheel recommended for sharpening edge tools at the standard speed of 3450 rpm, or for other work where cool grinding is important. 2 lbs.

No. 23-845 Edge Tool Grinding Attachment. Same as supplied as standard equipment on 23-636 Grinder. 6 1/2 lbs.

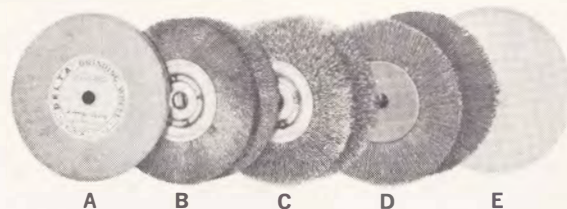
ROCKWELL QUALITY ACCESSORIES FOR INCREASED JOB PERFORMANCE

No. 23-800 Eyeshields. One pair, with brackets and screws. 3 lbs.

GRINDING, BUFFING, WIRE AND FIBER WHEELS

No. 23-826 Aluminum Oxide Wheel. 3/4 x 6", 36G, Grade O, 1/2" hole. 2 1/2 lbs.

(A) No. 23-827 Aluminum Oxide Wheel. 3/4 x 6", 60G, Grade O, 1/2" hole. 2 1/2 lbs.



(B) No. 23-114 (old 3114) Wire Brush. 6" dia., fine, 1/2" hole. 1 lb.

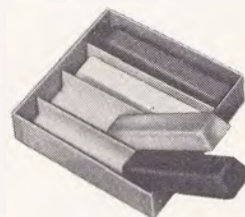
(C) No. 23-113 (old 3113) Wire Brush. 6" dia., coarse, 1/2" hole. 1 lb.

(D) No. 23-511 (old 3115) Fiber Brush. 6" dia., 1/2" hole. 1 lb.

(E) No. 23-005 (old 4005) Buffing Wheel. 6" dia., 1/2" thick, circular stitching, 1/2" hole. 2 lbs.

BUFFING COMPOUNDS

No. 23-004 (old 4004) Buffing Compound Kit. Consisting of four 1/4 pound bars, with instructions. Includes one each of red rouge, white rouge, emery and tripoli bars. 19 ounces.



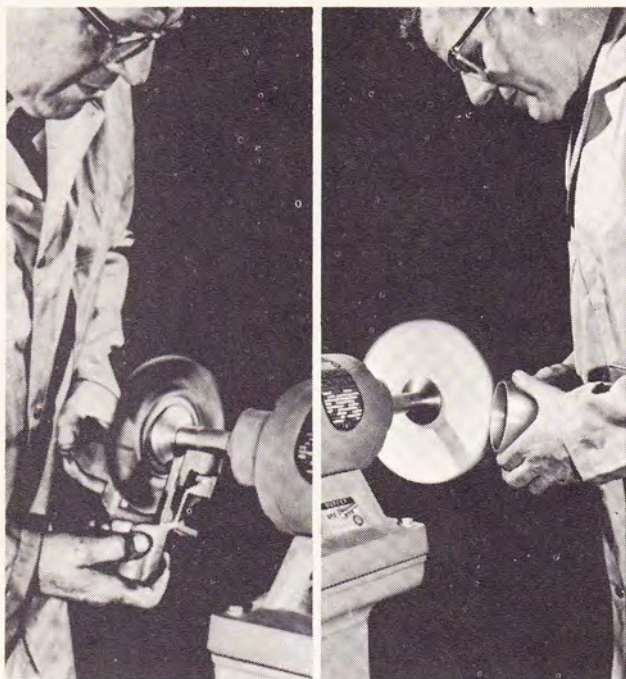
No. 23-007 (old 4007) Red Rouge Buffing Compound. One pound bar, with instructions. Recommended for coloring gold, silver and other precious metals. 19 ounces.

No. 23-008 (old 4008) White Rouge Buffing Compound. One pound bar, with instructions. Recommended for cutting down and coloring stainless steel, chromium, nickel plate, brass, aluminum and plastics. 19 ounces.

No. 23-009 (old 4009) Emery (Black) Buffing Compound. One pound bar, with instructions. Recommended for coarse polishing to remove rust, scale, scratches and burrs from iron, steel and other hard metals. 19 ounces.

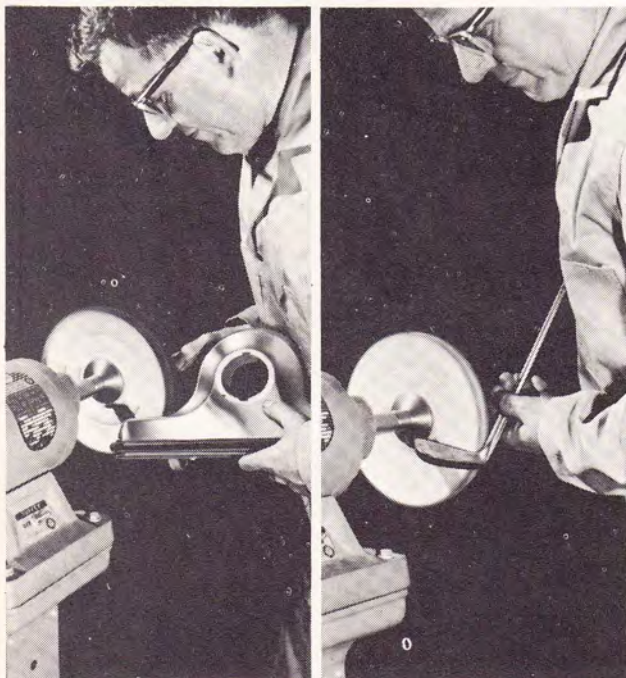
No. 23-010 (old 4010) Tripoli (Brown) Buffing Compound. One pound bar, with instructions. Recommended for cutting down and coloring of aluminum, brass, copper, pewter, plastics, hard rubber, animal horn and wood. 19 ounces.

QUALITY FEATURES THAT ASSURE EFFICIENT PERFORMANCE YEAR AFTER YEAR!



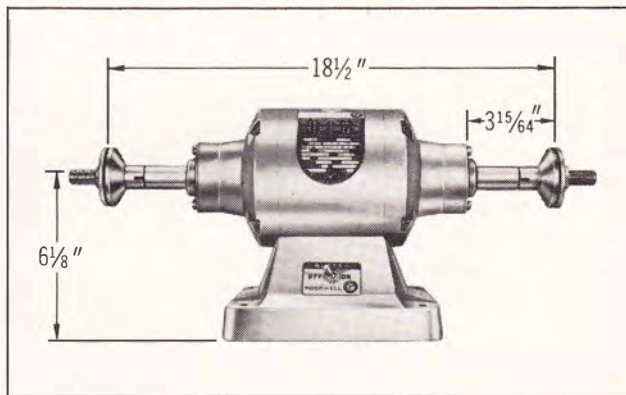
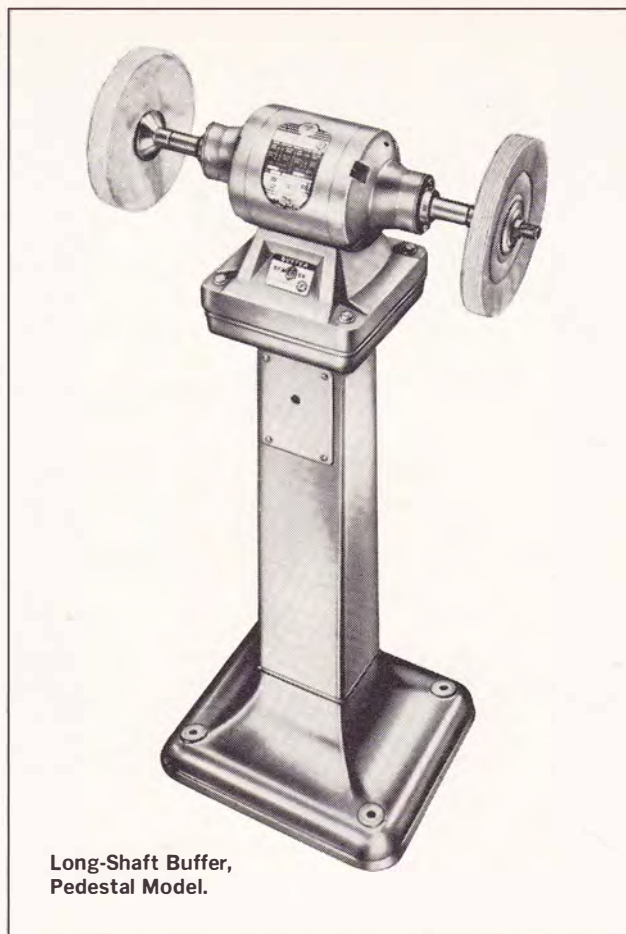
(Left) **In Industry**—Oval end bell hubs and extra long shafts facilitate the removal of rust and burrs from odd-shaped castings and parts.

(Right) **In Commercial Shops**—Plastic manufacturers find the Rockwell Delta Long-Shaft Buffer an excellent unit for turning down, polishing and coloring plastic pieces and components.



(Left) **In Repair Shops**—Appliance shops appreciate the extra amount of clearance between the motor and the buffing wheel when cleaning and polishing bulky items like sweeper housings.

(Right) **In Specialty and "Pro" Shops**—The Rockwell Delta Buffer is ideal for removing rust and tarnish from golf clubs, guns, etc., to provide a factory-new surface in just minutes.



No matter what the operation—removing rust or burrs from castings . . . polishing or coloring plastic . . . cleaning parts and pieces . . . removing tarnish and rust from guns—the Rockwell Delta Long-Shaft Buffer will more than meet your every job requirement. Actually, its uses are practically unlimited.

Check it, feature for feature, with any other make and you will agree that it is the buffer for you!

- Unique oval end bell hubs and the extra long shafts which extend $3\frac{15}{64}$ " from bearing seal to wheel flange provide more room for handling large or oddly shaped work pieces.
- Slim designed, "Thin-Line" motor and extended shafts assure ample clearance for buffing long stock. Totally enclosed motor incorporates double sealed ball bearings, plus an extra seal to keep out harmful dust.
- Capacitor start, 115/230V, single phase motor requires low starting current. It won't dim lights like split-phase motors.

ROCKWELL DELTA 1/2 HP LONG-SHAFT BUFFER

MACHINE DATA

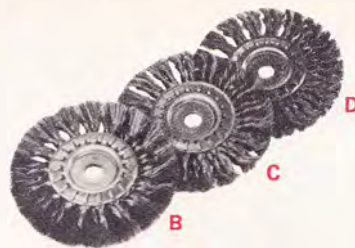
Horsepower	.....1/2
Shaft:	
Diameter	.....5/8"
Extends Beyond Flange	.....2 1/2"
Frame Diameter	.....5 23/32"
Distance Between Faces of Wheel Flanges	.....18 1/2"
Distance From Bearing Seal to Wheel Flange Face	.....3 15/64"
Centerline of Spindle to Bottom of Base	.....6 1/8"
Diameter of Wheel Flange	.....2 1/2"
Overall Dimensions:	
Base	.....8 1/2" x 8 1/2";
Depth	.....11"
Width	.....23 1/2";
Height	.....13 3/4"

QUALITY ACCESSORIES FOR INCREASED JOB PERFORMANCE

No. 23-805 Pedestal, cast iron, 26" high. Base is 14" front to back and 16" left to right. 67 lbs.



(A) No. 23-825 8" Buffing Wheel for 5/8" arbor, 3/4" face, 48 ply, fine muslin, cushion type with three circles of lock-stitched sewing. Includes one pair of toothed flanges for 5/8" arbor and instructions for use. A professional quality, general purpose buff recommended for light cutting down and for finish coloring. 1 lb.



(B) No. 23-632 (old 1236) Wire Brush, 6" diameter, fine, 5/8" hole. 1 lb.

(C) No. 23-637 (old 1237) Wire Brush, 6" diameter, medium, 5/8" hole. 1 lb.

(D) No. 23-638 (old 1238) Wire Brush, 6" diameter, coarse, 5/8" hole. 1 lb.

No. 23-007 (old 4007) Red Rouge Buffing Compound, one pound bar, with instructions. Recommended for coloring gold, silver, and other precious metals. 19 oz.

No. 23-008 (old 4008) White Rouge Buffing Compound, one pound bar, with instructions. Recommended for cutting down and coloring stainless steel, steel, chromium, nickel plate, brass, aluminum and plastics. 19 oz.

No. 23-009 (old 4009) Emery (black) Buffing Compound, one pound bar, with instructions. Recommended for coarse polishing to remove rust, scale, scratches and burrs from iron, steel and other hard metals. 19 oz.

No. 23-010 (old 4010) Tripoli (brown) Buffing Compound, one pound bar, with instructions. Recommended for cutting down and coloring of aluminum, brass, copper, pewter, plastics, hard rubber, animal horn and wood. 19 oz.



(E) No. 23-004 (old 4004) Buffing Compound Kit, four 1/4 pound bars, with instructions. Includes one each of Red Rouge, White Rouge, Emery and Tripoli bars. 19 oz.

CATALOG LISTING

COMPLETE 1/2 HP LONG SHAFT BUFFER, Bench or Pedestal Mounted, With Motor and Controls Factory Mounted and Wired as Specified Below:

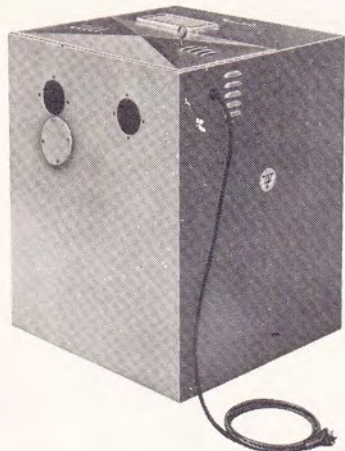
MOTOR	MOTOR CONTROL	MOTOR ENCLOSURE	HZ AND MOTOR RPM	MOTOR VOLTAGE	TYPE	SHIP. WT. LBS.	MACHINE CAT. NO.	MACHINE CAT. NO. 200 V
Single Phase 1/2 Horsepower	On-Off Toggle Switch	TENV	60-3450	115/230	Bench	43	23-233	
	On-Off Toggle Switch	TENV	60-3450	115/230	Pedestal	110	23-217	
	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TENV	60-3450	115/230	Pedestal	128	23-249	
	On-Off Toggle Switch	TENV	60-1725	115/230	Bench	43	23-234	
	On-Off Toggle Switch	TENV	60-1725	115/230	Pedestal	110	23-218	
	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TENV	60-1725	115/230	Pedestal	128	23-251	
Three Phase 1/2 Horsepower	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TENV	60-3450	230/460	Pedestal	129	23-261	23-263
	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TENV	60-1725	230/460	Pedestal	129	23-262	23-268
	Three Phase Bench Models, Not Factory Wired. Order Controls as Specified Below:							
	None	TENV	60-3450	230/460	Bench	43	23-241	23-239
	None	TENV	60-1725	230/460	Bench	43	23-242	23-243
	Use No. 52-347 Push Button Switch when manual Control is desired. Use 49-674 Magnetic Starter, 49-530 Transformer, and 49-842 Push Button Switch for integral mounting in starter box, or 52-348 Remote Control Push Button Switch, when 115 V magnetic control is desired. Specify grinder catalog number and voltage when ordering starter.							

NOTE: Single phase electricals will be supplied wired for 115 V, unless 230 V is specified. Three phase electricals will be supplied wired for

230 V, unless 460 V is specified. Power Cord and Plug supplied for single phase only.

ROCKWELL DELTA GRINDER ACCESSORIES

ACCESSORIES FOR 10" AND 7" STANDARD GRINDERS



No. 49-520 Motor Driven Dust Collector for single phase operation, $\frac{1}{3}$ HP, 115/230V, 60 hz, 3450 rpm. Includes on-and-off switch, switch rod, 115V 8-foot cord and 3-prong grounding type plug, mounted and wired. 95 lbs.

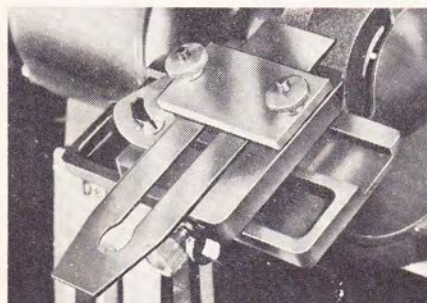
No. 49-527 Motor Driven Dust Collector for three phase operation, $\frac{1}{3}$ HP, 230/460 V 60 hz, 3450 rpm. Includes 3-pole on-and-off switch, switch rod and 8-foot 4-conductor grounding type cord, wired to switch for 230 V. Less plug. 97 lbs.

No. 49-529 Extra Standard Filter for motor driven dust collectors. 7 lbs.

No. 49-531 Holder with two expanded fiber filter pads for motor driven dust collectors. Recommended for fine dust. 12 lbs.

No. 23-802 Attachment Package for motor driven dust collectors. For 7" Standard Grinder. 7 lbs.

No. 23-803 Attachment Package for motor driven dust collectors. For new style 10" Grinder. 7 lbs.

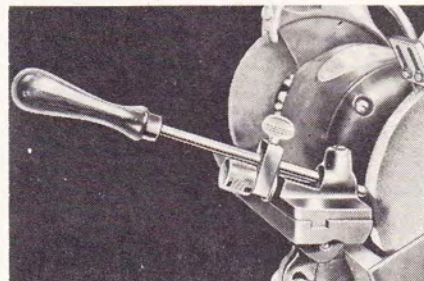


No. 23-294 (old 1294) Edge Tool Grinding Attachment. Ideal for school shops, cabinet shops, and all types of wood-working shops. Although especially recommended for sharpening plane irons, this attachment also does an excellent job of grinding wood chisels, putty knives, scrapers and similar items up to $\frac{3}{4}$ " wide.

Slide is notched for wooden handles of wood chisels, including "butts" which have a very short chisel blade. Adjustable quadrant permits accurate grinding of angle knives, assures absolute right angle position for straight knives. Knurled nut gives hairline adjustment for amount of "cut." Blade or chisel being ground can be lifted off and in-

spected at any time without disturbing the micrometer adjustment of clamp and carriage. No. 23-267 Vitreous Aluminum Oxide Wheel is recommended for 7" Standard Grinder. Can be used with No. 23-312 Diamond Wheel Dresser instead of No. 23-664 Wheel Dressing Tool Holder. 6 lbs.

ACCESSORIES FOR 10", 7" AND 6" TOOL GRINDERS



No. 23-312 (old 3121) Diamond Pointed Wheel Dresser. For dressing all types of general grinding wheels. Diamond is securely held. Sturdy tool is $9\frac{1}{2}$ " long with a comfortable handle. 1 lb.

No. 23-664 (old 1664) Holder for Diamond Wheel Dresser. Used with No. 23-312 Wheel Dresser. 4 lbs.

ACCESSORIES FOR 7" STANDARD GRINDER

No. 23-292 (old 1292) Motorless, Gravity Type Dust Collector for pedestal grinder. A self-contained unit that need not be connected to the shop blower system. No power is required. Efficient filters trap virtually all of the fine dust. Complete with filter, bracket and screws. 29 lbs.

No. 23-293 (old 1293) Replaceable Filter for above. 3 lbs.

ACCESSORIES FOR 6" TOOL GRINDER

No. 23-661 (old 1661) Wheel, 1 x 6", 60 grit, silicon-carbide, grade H 12, 1" face, $1\frac{1}{4}$ " hole. 4 lbs.

No. 23-662 (old 1662) Wheel, 1 x 6", 120 grit, silicon-carbide, grade H 12, 1" face, $1\frac{1}{4}$ " hole. 4 lbs.

No. 23-841 Wheel, 1 x 6", 46 grit, aluminum-oxide (for roughing), grade G, 1" face, $1\frac{1}{4}$ " hole. 4 lbs.

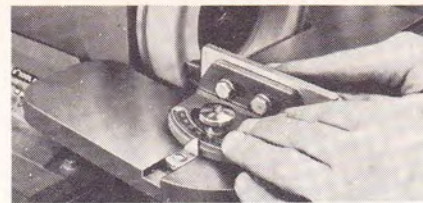
No. 23-842 Wheel, 1 x 6", 80 grit, aluminum-oxide (for finishing), grade J, 1" face, $1\frac{1}{4}$ " hole. 4 lbs.

No. 23-805 Pedestal, for converting 6" Bench Grinder to pedestal type. 67 lbs.



No. 25-857 Lamp Attachment, for 115 V. Includes 18" flexible gooseneck, reflector and 8-foot cord with 2-prong plug. Uses standard bulb (not included) up to 75 watts. 3 lbs.

No. 23-663 (old 1663) Water Pot, with faucet. Same as furnished with machine. 2 lbs.



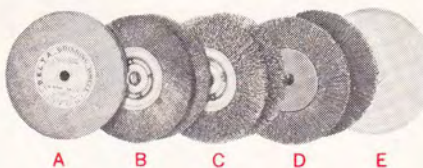
No. 31-804 Sliding Angle Jig. Same as furnished with machine. 2 lbs.

ACCESSORIES FOR 6" BENCH AND 6" EDGE TOOL BENCH GRINDER

No. 23-800 Eyeshields. One pair, with brackets and screws. 3 lbs.

GRINDING, BUFFING, WIRE AND FIBER WHEELS

No. 23-826 Aluminum Oxide Wheel. $\frac{3}{4}$ x 6", 36G, Grade O, $\frac{1}{2}$ " hole. 2 $\frac{1}{2}$ lbs.



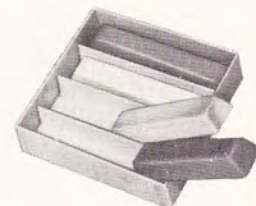
A. No. 23-827 Aluminum Oxide Wheel. $\frac{3}{4}$ x 6", 60G, Grade O, $\frac{1}{2}$ " hole. 2 $\frac{1}{2}$ lbs.

B. No. 23-114 (old 3114) Wire Brush. 6" diameter, fine $\frac{1}{2}$ " hole. 1 lb.

C. No. 23-113 (old 3113) Wire Brush. 6" diameter, coarse, $\frac{1}{2}$ " hole. 1 lb.

D. No. 23-511 (old 3115) Fiber Brush. 6" diameter, $\frac{1}{2}$ " hole. 1 lb.

E. No. 23-005 (old 4005) Buffing Wheel. 6" diameter, $\frac{1}{2}$ " thick, circular stitching, $\frac{1}{2}$ " hole. 2 lbs.



BUFFING COMPOUNDS

No. 23-004 (old 4004) Buffing Compound Kit. Consisting of four $\frac{1}{4}$ pound bars, with instructions. Includes one each of red rouge, white rouge, emery and tripoli bars. 19 ounces.

No. 23-007 (old 4007) Red Rouge Buffing Compound. One pound bar, with instructions. Recommended for coloring gold, silver and other precious metals. 19 ounces.

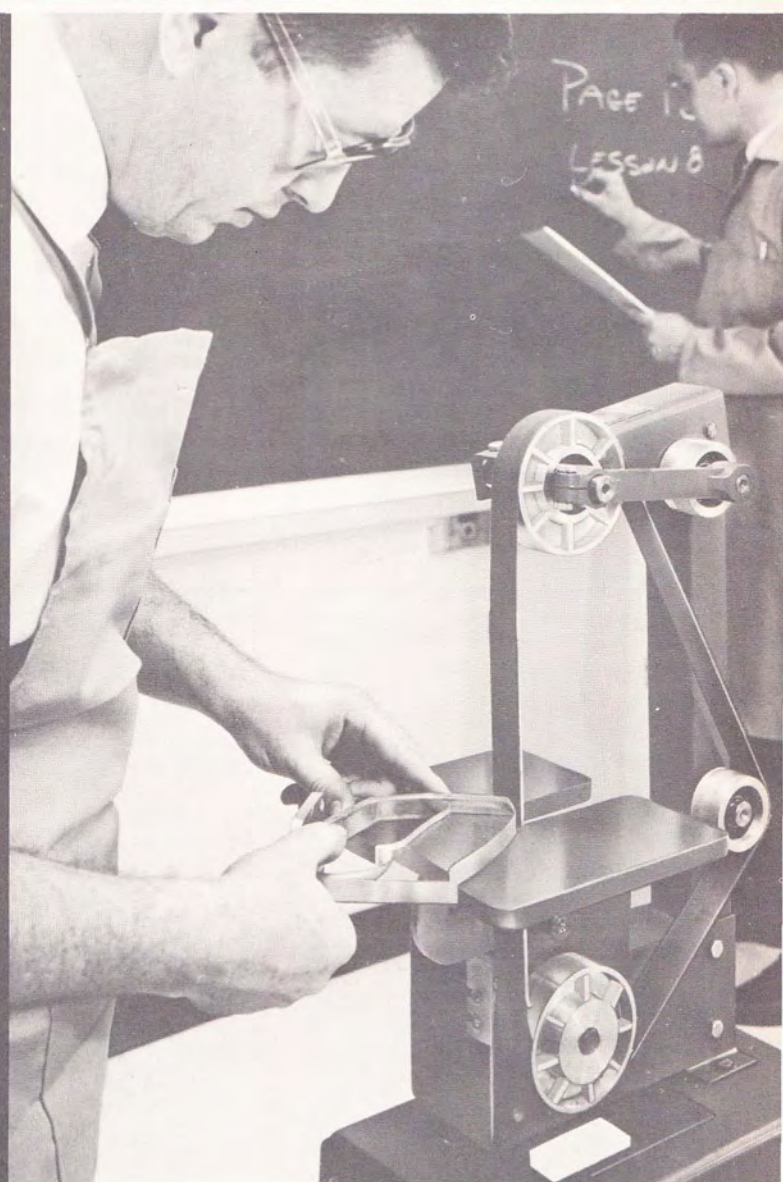
No. 23-008 (old 4008) White Rouge Buffing Compound. One pound bar, with instructions. Recommended for cutting down and coloring stainless steel, chromium, nickel plate, brass, aluminum and plastics. 19 ounces.

No. 23-009 (old 4009) Emery (Black) Buffing Compound. One pound bar, with instructions. Recommended for coarse polishing to remove rust, scale, scratches and burrs from iron, steel and other hard metals. 19 ounces.

No. 23-010 (old 4010) Tripoli (Brown) Buffing Compound. One pound bar, with instructions. Recommended for cutting down and coloring of aluminum, brass, copper, pewter, plastics, hard rubber, animal horn and wood. 19 ounces.

World's Most Versatile Finishing Machine...

ROCKWELL DELTA SANDER / GRINDER

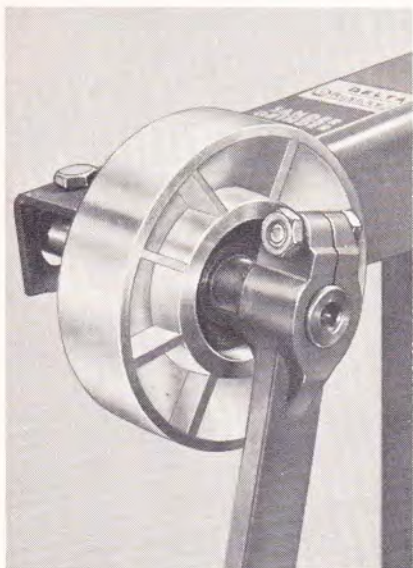


When it comes to versatility, the Rockwell Delta Sander/Grinder has no equal! Why? Because it will sand, grind, sharpen, deburr, finish, contour and polish almost any material. What's more, it will do all of these operations quickly, efficiently and with better quality. It's the ideal machine for all users — production lines, tool rooms, foundries, electronic laboratories, pattern and school shops. Investigate this **BIG VALUE** today!

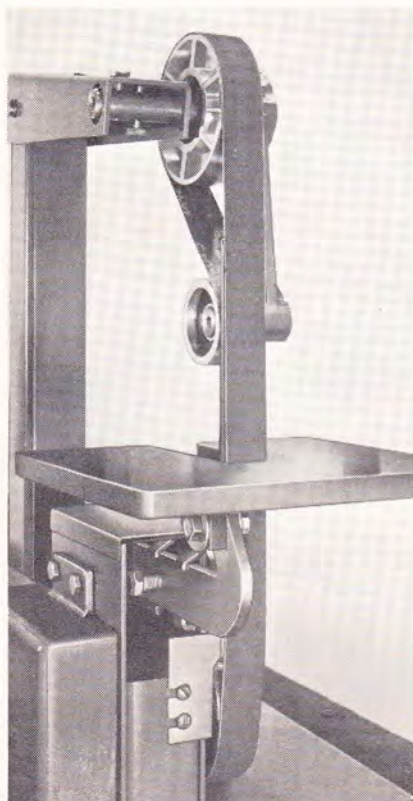
ROCKWELL DELTA INDUSTRIAL MACHINES

ROCKWELL DELTA SANDER/GRINDER

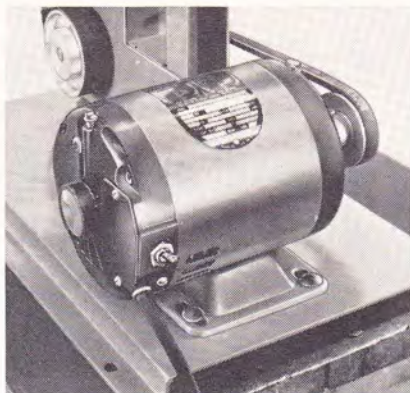
**DELTA QUALITY FEATURES
THAT GUARANTEE
UNMATCHED VERSATILITY
AND PERFORMANCE**



Specially Designed Plastic Wheels—The balanced, true running wheels are made of heat resistant CYCOLAC®, precision molded onto sealed, lubricated-for-life ball bearings. Wheel rims are crowned for easy belt tracking and made of wear resistant TEXIN®, permanently bonded to the wheel body.



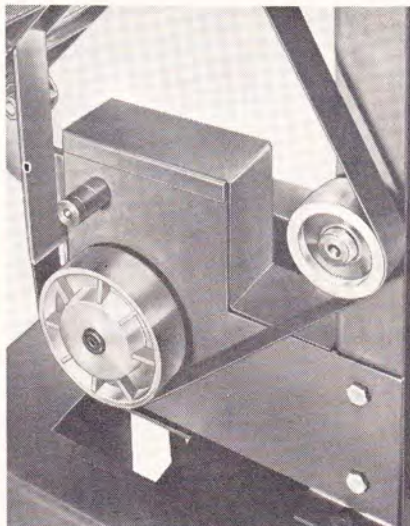
Precision Ground Table—Sturdy 7 x 8" table has a single mounting bolt for quick positioning or removal. Table tilts 10° in and 90° out for bevel work.



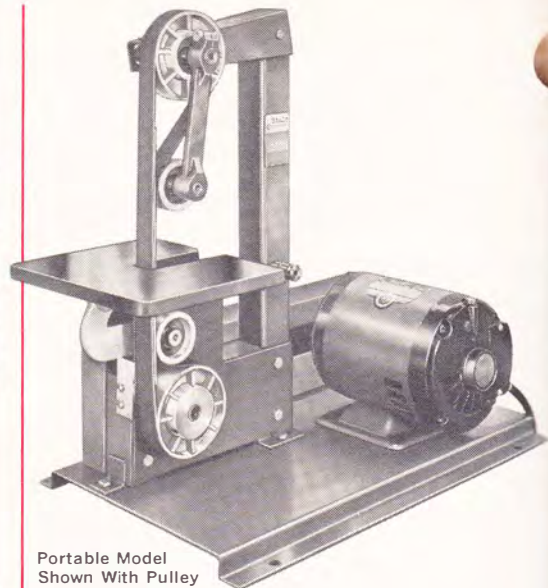
Proper Motor Used—Only Rockwell offers a heavy duty, 1/2 HP, 3450 RPM motor. You get the right belt speeds for efficient sanding and grinding—4000 SFPM with a standard pulley . . . 4600 SFPM with the contact wheel.



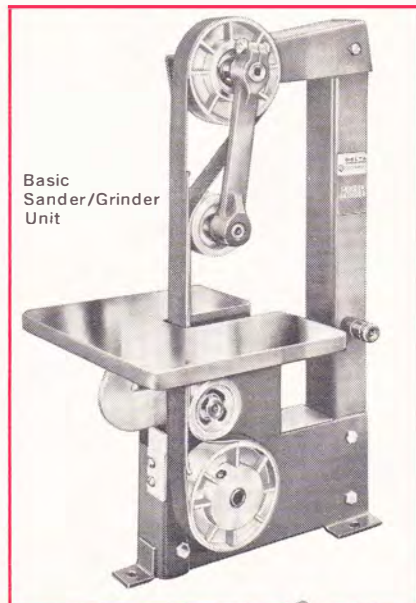
Efficient Rubber Contact Wheel—A general purpose wheel, it is recommended for a wide variety of jobs including fast removal of stock or rough finishing. Also excellent for flash grinding on soft metals.



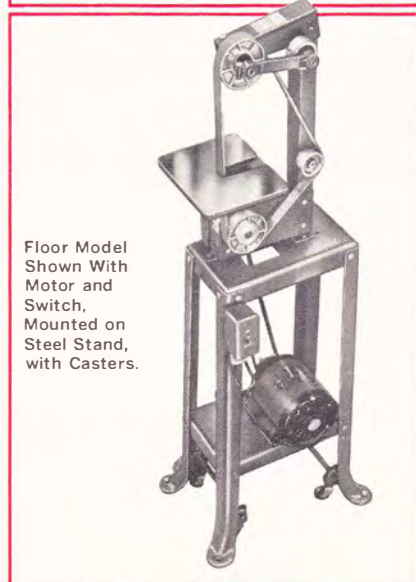
Fully Protected Arbor Shaft—Arbor shaft bearing is completely enclosed, preventing entry of harmful abrasive dust. Note also the use of husky 5/8" bearing shafts, plus sealed-for-life ball bearing construction throughout.



Portable Model
Shown With Pulley
and Belt Guard,
and Motor, Mounted on Metal Base Plate.



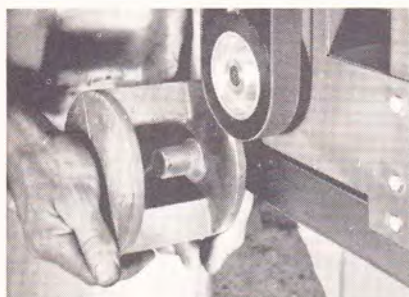
Basic
Sander/Grinder
Unit



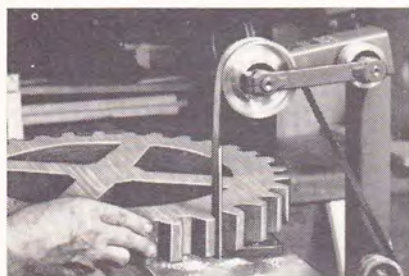
Floor Model
Shown With
Motor and
Switch,
Mounted on
Steel Stand,
with Casters.

ROCKWELL DELTA INDUSTRIAL MACHINES

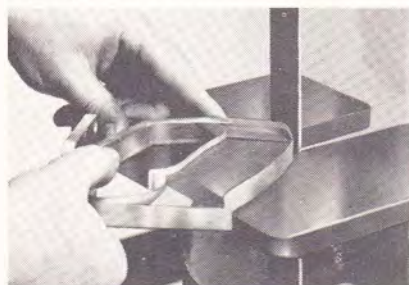
ROCKWELL DELTA SANDER/GRINDER



Foundry . . . using contact wheel, aggressively removes flash and excess stock.



Pattern Shop . . . narrow band gets into small openings . . . finishes patterns rapidly to close tolerances.



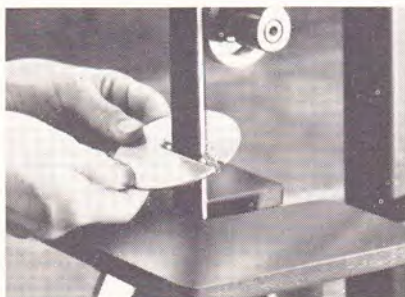
School Shop . . . enables students to contour plastic parts perfectly.



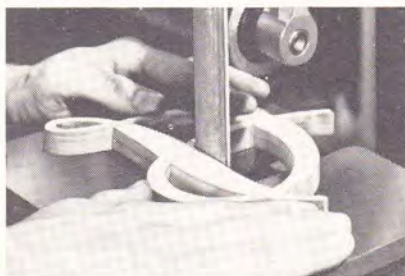
Home Workshop . . . items, such as this table leg, can be sanded in just a few minutes.



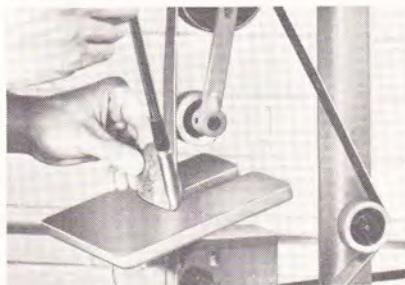
Electronics Laboratory . . . perfectly touches up parts for precision assembly.



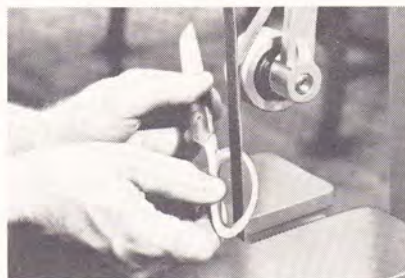
Assembly Department . . . quickly removes sharp edges on metal stampings, even in small openings.



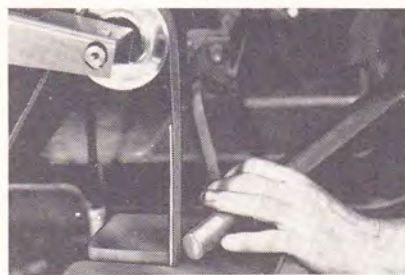
Sign Shop . . . after quickly threading belt, internal sanding becomes an easy operation.



Golf Pro Shop . . . quickly removes rust to make golf irons look like new.



Scissors Manufacturer . . . using narrow belt, and without platen, internal grinds rounded edges with ease.



Industrial Plant . . . rapidly deburrs sharp edge following stock cut-off with abrasive wheel.

DELTA QUALITY ACCESSORIES THAT PROVIDE INCREASED JOB PERFORMANCE

No. 41-022 Motor Pulley, 2 $\frac{1}{2}$ " dia., $\frac{1}{2}$ " bore. $\frac{1}{2}$ lb.

No. 41-023 Motor Pulley, 2 $\frac{1}{2}$ " dia., $\frac{5}{8}$ " bore. $\frac{1}{2}$ lb.

No. 41-024 Motor Pulley, 2 $\frac{1}{2}$ " dia., $\frac{3}{4}$ " bore. $\frac{1}{2}$ lb.

No. 49-105 V-Belt, 30 $\frac{1}{8}$ " O.C. Used with 31-360 Base or for rear motor position on customer's bench. $\frac{1}{2}$ lb.

No. 49-354 (old 453) V-Belt, 47 $\frac{5}{8}$ " O.C. Used with 50-106 Steel Stand. $\frac{1}{2}$ lb.

No. 31-360 Metal Base Plate, 8 $\frac{3}{4}$ " x 17". Drilled for mounting Sander/Grinder and motor, and for mounting Base Plate to work bench. 8 lbs.

No. 50-106 Open Steel Stand with shelf for motor, for Sander/Grinder. 26 lbs.

No. 31-361 Guard for Arbor Pulley. Can be used for rear or underneath motor position. Includes mounting screws and washers. 2 lbs.

No. 31-362 Rubber Contact Wheel, 4" diameter, 1" face, special bore size, with set screw, 60 durometer, with 45 standard serrations. A general purpose wheel recommended for both stock removal and rough finishing. Can be used for flash grinding on soft metals. 1 lb.

No. 31-363 Flat Platen for 1" belts. $\frac{1}{2}$ lb.

No. 31-364 Flat Platen for $\frac{1}{2}$ " or narrower belts. $\frac{1}{4}$ lb.

No. 31-365 Convex Platen, $\frac{1}{2}$ " radius, for 1" belts. $\frac{1}{4}$ lb.

No. 31-366 Guard for V-Pulleys and V-Belt. Include mounting parts. Recommended for use when motor is mounted to rear on customer's bench or on 31-360 Base Plate. 4 $\frac{1}{2}$ lbs.

No. 31-370 Abrasive Belt, aluminum oxide, pkg. of 5, 1 x 42", 40 grit (coarse), cloth backing, closed coat. $\frac{1}{2}$ lb.

No. 31-371 Abrasive Belt, aluminum oxide, package of 5, 1 x 42", 50 grit (coarse), cloth backing, closed coat. $\frac{1}{2}$ lb.

No. 31-372 Abrasive Belt, aluminum oxide, pkg. of 5, 1 x 42", 80 grit (medium), cloth backing, closed coat. $\frac{1}{2}$ lb.

No. 31-373 Abrasive Belt, aluminum oxide, pkg. of 5, 1 x 42", 120 grit (medium), cloth backing, closed coat. $\frac{1}{2}$ lb.

No. 31-374 Abrasive Belt, aluminum oxide, package of 5, 1 x 42", 150 grit (fine), cloth backing, closed coat. $\frac{1}{2}$ lb.

No. 31-375 Abrasive Belt, aluminum oxide, package of 5, 1 x 42", 220 grit (fine), cloth backing, closed coat. $\frac{1}{2}$ lb.

No. 31-376 Abrasive Belt, aluminum oxide, pkg. of 5, 1 x 42", 320 grit (extra fine), cloth backing, closed coat. $\frac{1}{2}$ lb.

No. 49-363 Retractable Caster Set for 50-106 Steel Stand. 12 lbs.

ROCKWELL DELTA METAL DUST COLLECTOR and other Cost-Saving Equipment

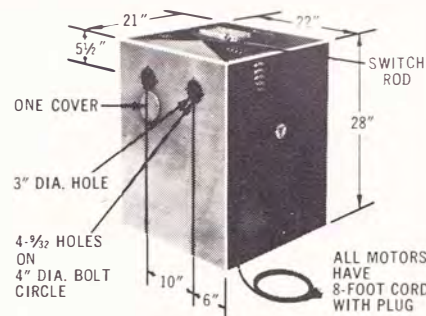
METAL DUST COLLECTOR SAFEGUARDS HEALTH, PROTECTS MACHINERY

Pressed steel cabinet is strong and husky . . . large door at back provides quick access to filter, door at top permits inspection of motor. Efficient, squirrel-cage fan moves 350 cubic feet of air per minute, develops static suction of 3 inches of water. The $\frac{1}{2}$ HP, lubricated-for-life ball bearing motor is in a separate compartment, away from harmful dust. Fireproof, cleanable filter is easily removed for cleaning. Overall dimensions: height 28", depth 21", width 22".

Unit is ideal for grinding, polishing, buffing and other operations where dust must be efficiently collected to protect workers' health, also keeps harmful dust away from expensive machinery.

A self-contained, portable unit, it collects both fine and coarse dust and particles. Openings are so located that it can be attached to all types of abrasive units.

NOTE: This Dust Collector is not suitable for collecting wood shavings and saw dust.



DUST COLLECTORS

For Single Phase Operation

No. 49-520 $\frac{1}{2}$ HP, 115/230 V, 60 hz, 3450 rpm. Includes on-and-off switch, switch rod, 115 V 8-foot cord and 3-prong grounding type plug, mounted and wired. 120 lbs.

For 3 Phase Operation

No. 49-527 $\frac{1}{2}$ HP, 230/460 V, 60 hz, 3450 rpm. Includes 3-pole on-and-off switch, switch rod and 8-foot 4-conductor grounding type cord, wired to switch for 230 V. Less plug. 120 lbs.

ACCESSORIES FOR DUST COLLECTORS

No. 49-529 Extra Standard Filter. 8 lbs.
No. 49-531 Filter Pad Holder with two expanded Filter Pads. 7 lbs.

When ordering Dust Collector, remember to order proper Attachment Package listed below.

ATTACHMENT PARTS (Include Necessary Connection Fittings and Hoses)

No. 20-838 Attachment Parts for 12" Cut-Off Machine. 12 $\frac{1}{4}$ lbs.

No. 23-802 Attachment Parts for 7" Standard Grinder. 8 lbs.

No. 24-819 Attachment Parts for TG-3 TOOLMAKER Grinder. 19 lbs.

No. 31-803 Attachment Parts for 12" Abrasive Disk Finishing Machine when mounted on Open Stand 50-432. 12 lbs.

No. 31-856 Attachment Parts for 6" Abrasive Belt Finishing Machine and for Belt Unit of Combination Belt and Disc Finishing Machine. Includes 3 x 22" hose, two hose flanges, two hose clamps and adapter. 6 lbs.

No. 50-141 Attachment Parts for 12" Abrasive Disk Finishing Machine when mounted on Enclosed Stand 50-126 and for Disc Unit of Combination Belt and Disc Finishing Machine. Includes 3 x 22" hose, two hose flanges, two hose clamps and cast iron funnel. 13 $\frac{1}{2}$ lbs.

AVAILABLE CONNECTION FITTINGS

No. 49-533 Flexible Rubber Hose, 2 $\frac{5}{8}$ " I.D. x 20" long. 2 lbs.

No. 49-534 Flexible Rubber Hose, 3" I.D. x 22" long. 2 lbs.

No. 49-535 Flexible Rubber Hose, 3" I.D. x 48" long. 3 lbs.

No. 49-538 Flange for 2 $\frac{5}{8}$ " hose, with mounting screws and washers. 2 lbs.

No. 49-539 Flange for 3" hose, with mounting screws and washers. 2 $\frac{1}{2}$ lbs.

No. 49-541 Hose Clamps adjustable to hose. $\frac{1}{2}$ lb.

BELT GRINDING, DEBURRING AND POLISHING COMPONENTS



Build your own Grinding and Polishing Units around the Rockwell Delta No. 31-438 Arbor Head or convert your present Polishing Lathe using Set-Up Wheels, or your Bench Grinder using Grinding Wheels, to the modern Coated Abrasive Belt Method of Grinding and Polishing. With a contact wheel, back-stand idler and abrasive belts, most standard floor or bench grinders and most polishing lathes or jacks can be converted at low cost.

ARBOR HEAD

Husky and engineered for long life, it can be mounted on your machine stand or on a bench top. The $\frac{5}{8}$ " arbor runs in sealed, lubricated-for-life ball bearings. Arbor shaft extends 3 $\frac{1}{2}$ " out from the inner flange on either side of the head. Arbor shaft ends have a 2 $\frac{1}{2}$ " ground Acme thread to accommodate contact rolls and wheels from $\frac{3}{8}$ " to 2 $\frac{3}{8}$ " in width.

No. 31-438 Arbor Head, complete with dynamically balanced arbor pulley, two No. 560 drive belts, two 2 $\frac{1}{2}$ " diameter flanges with nuts to fit $\frac{5}{8}$ " arbor. 25 lbs.

4" RIGHT BACKSTAND IDLER UNIT
Finest, low-cost backstand idler unit available. Suitable for either left or right side operation. Hand knob swivels drum for belt tracking and lateral adjustment is provided for accurate belt alignment. Belt tension is quickly adjusted by means of a self-locking hand knob. Convenient lever instantly releases tension for quick belt changing.
No. 31-425 Backstand Idler Unit with 4" wide by 5 $\frac{3}{8}$ " dia. drum, with mounting bolts and instructions for changing from R.H. to L.H. set-ups. 19 lbs.

2 $\frac{3}{4}$ " LEFT IDLER UNIT

No. 31-431—Similar to No. 31-425 except drum is 2 $\frac{3}{4}$ " wide. Includes instructions for right-hand assembly. 17 lbs.

RUBBER CONTACT WHEEL

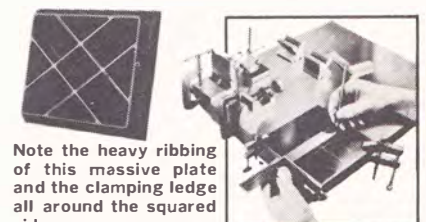
With this new type wheel you can obtain a better finish in less time. Furthermore, it increases the life of your grinder belts to cut costs for you. Tire may be replaced on the hub which is designed for permanent use.

No. 31-877 Rubber Contact Wheel complete. Consists of No. 31-875 Tire and No. 31-876 Hub. 6 lbs.

No. 31-875 Rubber Tire for Contact Wheel, 2 $\frac{1}{2}$ " wide, 6" dia., 30-40 durometer (med. soft), with 45° standard serrations. Can be used up to 7500 sfpm. A general purpose tire for wood or metal work—stampings, die castings, forgings and contour grinding. 3 lbs.

No. 31-876 Hub for Contact Wheel. $\frac{5}{8}$ " bore, consists of bushing and washer for mounting No. 31-875 Tire and other tires with same mounting dimensions. 3 lbs.

LAYOUT PLATES FOR LAYOUT, TESTING AND INSPECTION WORK



Delta Surface Plates offer four essentials of a 100% useful surface plate:

- (1) A true surface to start with.
- (2) A properly ribbed casting to insure that the surface stays true.
- (3) Adequate ledges at the edges of the plate for clamping purposes.
- (4) Edges that are machined square with one another and the surface.

Low cost Rockwell Delta Surface Plates have a corner to corner out of flat tolerance of + or -.0005. They can easily and economically be made into precision plates simply by scraping to a master plate or each other.

No. 50-640 (old 640)—Size 15" x 18" x 3". 63 lbs.

ROCKWELL DELTA INDUSTRIAL METALWORKING MACHINES

ROCKWELL DELTA COOLANT EQUIPMENT

GET MORE MACHINE FLEXIBILITY WITH ROCKWELL COOLANT EQUIPMENT

Here's the perfect answer for big cost savings on your production jobs. Rockwell Coolant Equipment gives you these important benefits:

1. **Lubricates the cut**—maintains feeds and speeds with less horsepower.
2. **Cools the work and cutting tool**—prevents overheating or discoloration of work.
3. **Flushes chips away from the work**—assures a higher quality finish.

ROCKWELL 16-GALLON COOLANT SYSTEM

Big capacity ¼ HP pump provides a full flood of coolant making it ideal for use with Metal Lathes, Multiple Spindle Drill Presses, Cut-Off Machines and many other applications. Check these built-in Rockwell Quality Features:

- Adjustable—can be shut down to mere trickle without damage.
- Highly adaptable—flat machined flange permits use on most wet machine tools.
- Motor fully enclosed—not affected by moisture or caustic solutions.
- Double-sealed, lubricated-for-life ball bearings.
- Drilled and tapped for standard pipe fittings.
- Six-bladed impeller connected directly to motor shaft.
- 16-gallon tank has settling basin and wire mesh filter to keep coolant free from chips.



16-Gallon Coolant System shown with Pump, Cord, Switch and Tank.

For Single Phase Operation

No. 49-610 Coolant Pump complete with ¼ HP, 115 V, 60 hz, AC, 1725 rpm motor. 68 lbs. Order 49-618, 49-312 separately.

No. 49-611 Coolant Pump complete with ¼ HP, 230 V, 60 hz, AC, 1725 rpm motor. 68 lbs. Order 49-618, 49-313 separately.

For 3 Phase Operation

No. 49-619 Coolant Pump complete with ¼ HP, 230/460 V, 60 hz, AC, 1725 rpm motor. 68 lbs. Order 49-618, 49-838 separately.

ACCESSORIES

No. 49-618 Tank, 16-gal. capacity, 15 7/8 x 25 7/8 x 11" high, required with any of above pumps. 38 lbs.

No. 49-312 On-and-off Toggle Switch, 2-pole, 1½ HP, AC-DC, 115-230 V. In-

cludes 115 V 8-foot cord, 3-prong grounding type plug and clamp. 2 lbs.

No. 49-313 On-and-off Toggle Switch, 2-pole, 1½ HP, AC-DC, 115-230 V. Includes 230 V 8' cord, 3-prong grounding type tandem plug and clamp. 2 lbs.

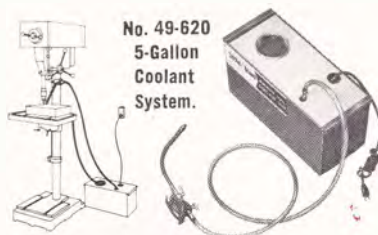
No. 49-671 Push Button Switch for manual on-and-off control of three phase motor, where overload is not desired. 2 lbs.

No. 49-838 Starter, manual, 3-phase. Provides overload protection. Specify coolant pump no. and voltage. 5 lbs.

COOLANT LINE ASSEMBLY FOR DRILL PRESSES

Recommended for single or multiple spindle drill presses or any machine with a round column from 2 3/4" to 4" in diameter.

No. 17-802 Coolant Line Assembly consisting of Nozzle, Valve, Column Mounting Clamp and Flexible Hose Assembly for providing coolant feed and connection to piping (coolant piping, table clamps not furnished). 3 lbs.



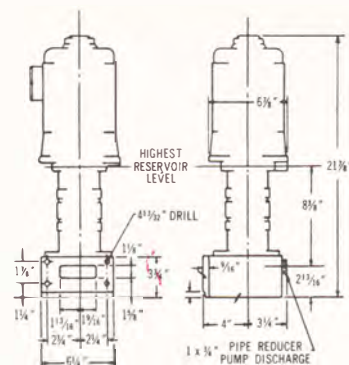
NEW, LOW-COST ROCKWELL 5-GALLON COOLANT SYSTEM

Rockwell's new 5-Gallon Coolant System is well suited for use with Single Spindle Drill Presses having a column from 2 3/4" to 4" in diameter, also Metal Lathes, Hand Screw Machines and Surface Grinders.

The system incorporates these Rockwell Quality Features:

- Pump is hermetically sealed, has lifetime lubrication, a nylon impeller and double "X" viton double lip seals. Equipped with a U.L. approved, 3-conductor, grounding type cord and plug.
- Flow of coolant can be regulated to any amount desired or completely shut off, without harmful effects.
- Double protection is provided against chips recirculating and causing a bad finish on the work. A screen traps the larger particles. A baffle in the tank provides a settling basin.

No. 49-620 5-Gallon Coolant System for 115 V, 60 hertz, single phase. Includes submersible pump with 1/4" male outlet, 5-gallon tank with screen and baffle, 6-foot plastic hose, flexible pipe with nozzle and valve, and 6-foot 3-conductor power cord with 3-prong 115 V grounding plug. The universal clamp with garter spring may be instantly snapped onto any round drill press column from 2 3/4" to 4" in diameter. It firmly holds and points nozzle exactly at hole being drilled. Does not include drain hose from machine table to coolant tank. 17 1/2 lbs.



COOLANT FLOW—16-GAL. SYSTEM

Coolant Flow in Gal. Per Hour with a 1725 RPM Motor at 70° F.

(1425 RPM Motor About 1/6 Less)

HEAD IN FEET	PIPE DIA.	COOLANT		
		WATER AND SOLUBLE OIL	LARD OIL	SAE 20 MACHINE OIL
		FLOW IN GAL. PER HOUR		
0	3/4"	1200	720	600
	1"	1920	1200	1200
5	3/4"	840	480	360
	1"	1620	900	900
10	3/4"	420	—	—
	1"	1020	—	—

14 ft. Maximum Lift with water. Discharge for water or soluble oil solution applies to all solutions of similar viscosity and density. Higher viscosity and density, less flow.

COOLANT FLOW—5-GAL. SYSTEM

Using Water Soluble Oil or Light Cutting Oil

HEAD IN FEET	GALLONS PER HOUR	STATIC PRESSURE
1 FT.	205	3.2 PSI
3 FT.	168	3.2 PSI
4 FT.	142	3.2 PSI
5 FT.	120	3.2 PSI
6 FT.	78	3.2 PSI
7 FT.	35	3.2 PSI

COOLANT PAN FOR ROCKWELL CUT-OFF MACHINES

The Coolant Pan, used with 16-Gallon Coolant System, is recommended for your Rockwell Delta Cut-Off Machine for efficient wet abrasive cutting.

Order the proper ¼ HP pump, 16-gallon tank and switch. This ruggedly constructed Coolant Pan features a nozzle that swivels by means of a convenient handle to allow for a full flow of coolant on the blade, even when making miter cuts.

No. 20-840 Coolant Pan complete with spray nozzle, splash control accessories, deflector plate and bracket. Piping, control valve and reducer from 3/4" to 1/2" not furnished. 148 lbs.



No. 20-840 Coolant Pan.

ROCKWELL DELTA 6"

Abrasive Belt FINISHING MACHINE

*Offers Exceptional
Versatility Combined
with High Efficiency!*

■ Built to do finishing, mitering, deburring, chamfering, on metal, wood, plastics, leather, rubber, ceramics, compositions and other materials.

■ A level, horizontal work surface is always available— with or without the tilting table— because the sanding belt can be adjusted in seconds from vertical to horizontal, or locked at any angle in between.

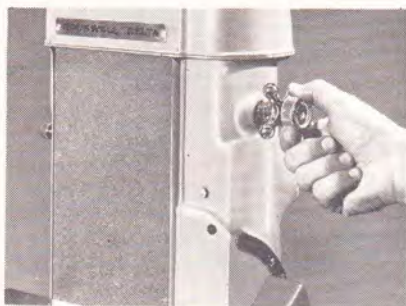
■ Platen can be removed for "strapping" or finishing of contours where a loose belt is required.



ROCKWELL DELTA INDUSTRIAL MACHINES

ROCKWELL DELTA 6" ABRASIVE BELT FINISHING MACHINE

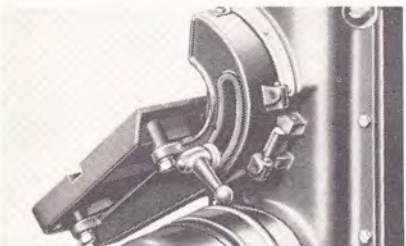
DELTA QUALITY FEATURES



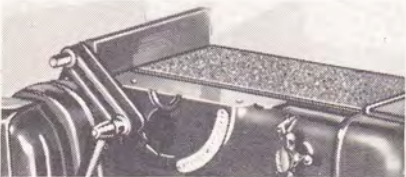
New Belt Tracking Feature—Knurled knob has fine thread adjustment for easy tracking of belt. Star wheel locks tracking adjustment firmly in place.



New Platen, with a hard chrome plated wear surface, maintains original machine accuracy much longer. Special surface also reduces friction between platen and belt (less drag on motor). Platen may be removed for contour sanding with a slack belt.



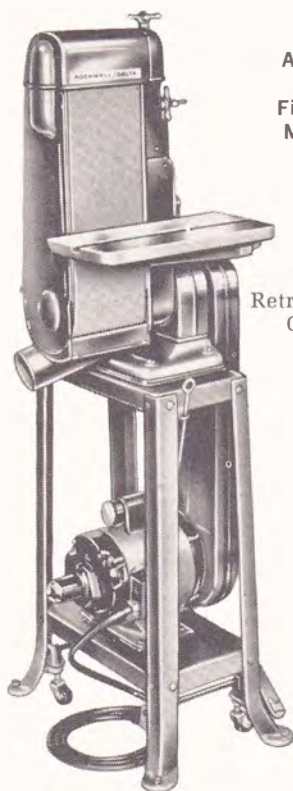
Here's a close-up of the **Heavy Trunnion** that carries the tilting table. Also shown is the swinging stop link and adjustable stop screws. Note scale and adjustable pointer for accurate readings.



View of **1403 Back Stop** and its bracket. Back stop is used for finishing flat work—prevents work from being carried along with belt.



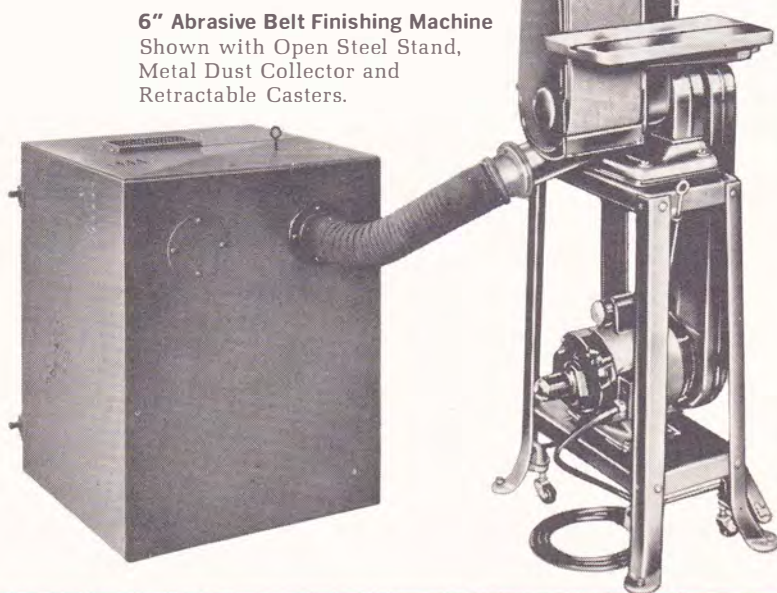
Belt Operates Vertically, Horizontally or at Any Degree in between. Thus, work table can remain in level position while belt is tilted to give a 45° or other angle finish.



**6"
Abrasive
Belt
Finishing
Machine**
Shown
with
Open
Steel
Stand
and
Retractable
Casters.



**6"
Abrasive
Belt
Finishing
Machine**
Shown
with
Enclosed
Steel
Stand.



6" Abrasive Belt Finishing Machine
Shown with Open Steel Stand,
Metal Dust Collector and
Retractable Casters.

Here is an ideal unit for the machine shop, pattern shop, experimental department, assembly department, cabinet shop and furniture factory. It does finishing, mitering, deburring, chamfering and other operations in both wood, metal, plastics and other materials.

Outstanding features include: sealed, lubricated-for-life ball bearings; adjustable dust deflector and

dust spout on lower guard; completely enclosed or guarded drums and belt for utmost safety; adjustable platen that can be removed for freehand finishing of odd shapes; removable upper guard for contour finishing on idler drum.

STANDARD EQUIPMENT

Basic Machine includes tilting table, V-pulley, 100 grit (fine), aluminum oxide belt and guards.

ROCKWELL DELTA INDUSTRIAL MACHINES

ROCKWELL DELTA 6" ABRASIVE BELT FINISHING MACHINE

MACHINE DATA

Overall Dimensions:

Floor Model with Enclosed Steel Stand:

Vertical: Front to Rear.....16",
Width....20", Height....56½"

Horizontal: Front to Rear...28½",
Width....20", Height....39"

Floor Model with Open Steel Stand:

Vertical: Front to Rear.....21",
Width 18", Height....54"

Horizontal: Front to Rear....28",
Width....18", Height....36"

Table:

Size.....7¾" x 14¾"
Tilt.....45° Out, 20° In
Miter Gage Groove.....¾" x ¾"

Platen.....6¼" x 14¾"

Belt:

Length: Standard48",
Maximum...49¾", Minimum...47¾"
Speed.....3415 FPM

CATALOG LISTING

No. 31-520 Basic Machine Without Stand: 6" Abrasive Belt Finishing Machine with 31-401 (old 1401) tilting table, 4" arbor pulley, 31-404 (old 1414) fine grit, aluminum oxide belt and guards. Without stand, fence, backstop, V-belt, V-belt guard, motor pulley, motor and switch. 98 lbs.

No. 31-515 Machine With Enclosed Steel Stand and Belt Guard: Same as No. 31-520 except with 50-125 enclosed steel stand and belt guard, 49-146 65½" OC V-belt and 5" motor pulley (specify ½", ¾" or 1" bore). Without fence, backstop, motor and switch. 177 lbs.

No. 31-505 Machine With Open Steel Stand: Same as 31-520 except with 50-406 open steel stand, 31-141 (old 1411) belt guard, 49-560 (old 560) 58½" OC V-belt and 5" motor pulley (specify ½", ¾" or 1" bore). Without fence, backstop, motor and switch rod. 135 lbs.

NOTE: Items bearing individual catalog numbers as included in 31-520, 31-515 and 31-505 can be ordered separately; see price list.

RECOMMENDED MOTORS, CONTROLS AND WIRING KITS FOR NO. 31-505 MACHINE WITH OPEN STEEL STAND ONLY

(For complete electrical descriptions, see Sections P and Q.)

SINGLE PHASE

Motor †62-012, 1 HP, 115/230 V, use: 51-115 (old 1115) Toggle Switch, 49-385 Cable Kit and 49-357 Power Cord.

THREE PHASE MANUAL CONTROL

Motor †66-039, 1 HP, 230/460 V, use: 52-347 Push Button Switch when overload protection is not desired.

THREE PHASE MAGNETIC CONTROL

Motor †66-039, 1 HP, 230/460 V, use: †49-665 Starter, 49-842 Switch, 49-846 Mounting Bracket and 49-315 Cable Kit for 50-406 Open Steel Stand.

†NOTE: Without switch or power cord.

‡NOTE: Specify motor number and voltage when ordering.

ENCLOSED STEEL STAND WITH BELT GUARD, MOTOR AND CONTROLS (Factory Mounted and Wired)

NOTE: Motor Pulley (¾" bore) and V-belt included. Enclosed Steel Stands With Electricals Can Be Ordered Either With or Without the Basic No. 31-520 6" Abrasive Belt Finishing Machine.

MOTOR	MOTOR CONTROL	MOTOR ENCLOSURE	HERTZ AND MOTOR RPM	MOTOR VOLTAGE	SHIPPING WT., LBS.	CATALOG NUMBER	CAT. NO. 200V
Single Phase, 1 Horsepower	Push Button Switch Only	TEFC	60—1725	115/230	125	49-975	
	Push Button and Overload Switches	TEFC	60—1725	115/230	130	49-976	
	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60—1725	115/230	130	49-977	
Three Phase, 1 Horsepower	Push Button Switch Only	TEFC	60—1725	230/460	112	49-982	52-121
	Push Button Switch and Magnetic Starter	TEFC	60—1725	230/460	86	49-984	52-123
	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60—1725	230/460	90	†49-985	52-124

NOTE: Single phase electricals will be supplied wired for 115 V, unless 230 V is specified. Three phase electricals will be supplied wired for 230 V, unless 460 V is specified. Power Cord and Plug supplied for single phase only. Motors and Motor Controls for Rockwell Delta 6" Abrasive Belt Finishing Machines may be ordered unmounted. For listing, see Sections

P and Q. †No. 49-000 "JIC" Type Control Kit. Specify this Catalog Number, in addition to Three Phase Cat. No. 49-985, in order to obtain 6" Abrasive Belt Finishing Machine with "JIC" type electricals, factory mounted and wired.

ACCESSORIES

No. 31-401 (old 1401) Tilting Table, with trunnion assembly. 14 lbs.



No. 31-403 (old 1403) Backstop, complete with bracket. 4 lbs.



No. 31-014 (old 1410) Wood Fence, 3¼ x 17½", with brackets. 6 lbs.

No. 31-141 (old 1411) Belt Guard With Screws. For use with 50-406 open steel stand. 8 lbs.

No. 31-142 (old 1412) Garnet Belt for wood, 6 x 48", 80 grit, fine. ¼ lb.

No. 31-314 (old 1413) Garnet Belt for wood, 6 x 48", 40 grit, coarse. ¼ lb.

No. 31-404 (old 1414) Al. Oxide Belt for metal, 6 x 48", 100 grit, fine. ¼ lb.

No. 31-405 (old 1415) Al. Oxide Belt for metal, 6 x 48", 50 grit, coarse. 1 lb.

No. 41-082 Motor Pulley, 5" diameter, ½" bore. 1 lb.

No. 41-083 Motor Pulley, 5" diameter, ¾" bore. 1 lb.

No. 41-084 Motor Pulley, 5" diameter, 1" bore. 1 lb.

No. 49-560 (old 560) V-Belt, 58½" OC. Used with 50-406 open steel stand. ½ lb.

No. 49-146 V-Belt, 65½" OC. Used with 50-125 enclosed steel stand. ½ lb.

No. 50-125 Enclosed Steel Stand. Includes 50-139 basic stand, 50-136 motor plate, 50-129 steel riser block, 50-130 cast iron riser block and 50-134 belt guard. 79 lbs.

No. 50-406 Open Steel Stand, 29" high with top 8 x 16". 29 lbs.

No. 49-363 Retractable Caster Set for 50-406 open steel stand. 12 lbs.

No. 50-111 Retractable Caster Set for 50-125 enclosed steel stand. 13 lbs.



No. 34-884 Auto-Set® Miter Gage. For straight and angle finishing. Has ¾ x ¾ x 18" guide bar and pivoting work support body with pointer and calibrations reading through 120° swing. Adjustable, positive stops at 90° and 45° positions are quickly selected by means of a new, fast operating stop block. Body slotted for quick mounting of auxiliary face plate. Accommodates No. 34-568 Clamp Attachment. 3½ lbs.

No. 34-568 (old 865) Clamp Attachment for 34-884 miter gage. 1½ lbs.

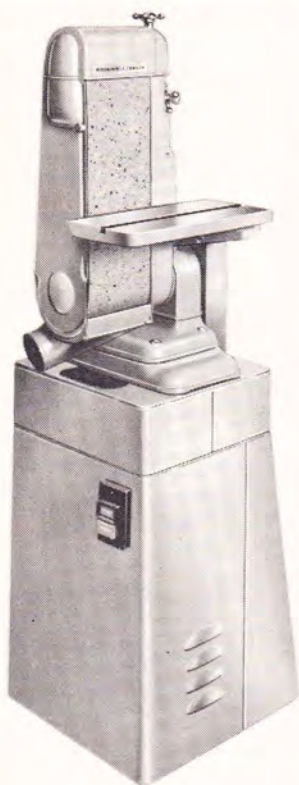
For Metal Dust Collector and Attachment Parts, see Section D1.

For Wood Vacuum Cleaners and Attachment Parts, see Section O2.

ROCKWELL DELTA INDUSTRIAL MACHINES

ROCKWELL DELTA 6" ABRASIVE BELT FINISHING MACHINE

*See the
Complete
ROCKWELL
DELTA
Quality
Sander Line
TODAY!*



**ROCKWELL DELTA
6" ABRASIVE BELT
FINISHING MACHINE**

Operates vertically, horizontally or at any degree in between on dozens of wood, plastic, metal or other finishing jobs.

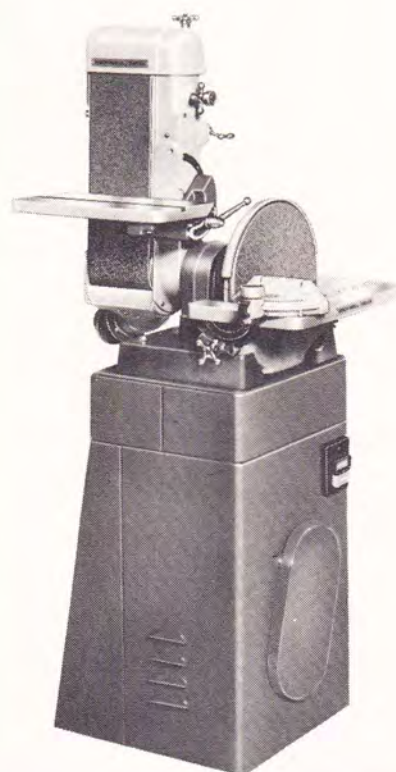


**ROCKWELL DELTA
12" ABRASIVE DISC
FINISHING MACHINE**

Fulfills every finishing need from the pattern shop to the production line on practically any type of material.

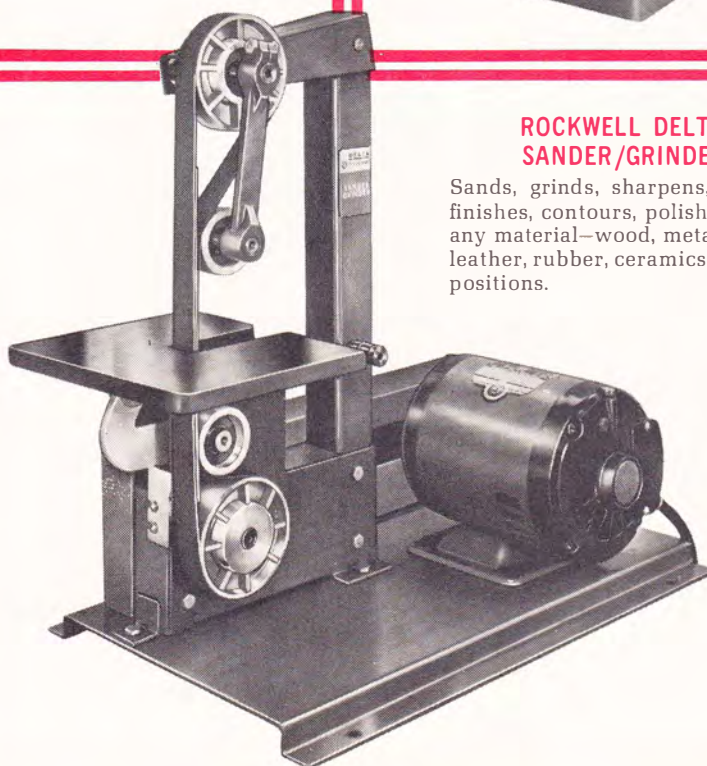
**ROCKWELL DELTA
6" BELT AND 12" DISC
FINISHING MACHINE**

Capable of performing 90% of all your finishing operations. Combination set-up saves space and reduces power costs.



**ROCKWELL DELTA
SANDER/GRINDER**

Sands, grinds, sharpens, deburrs, finishes, contours, polishes almost any material—wood, metal, plastic, leather, rubber, ceramics and compositions.



ROCKWELL DELTA **12" Abrasive Disc** **FINISHING MACHINE**

Gives You FINE Finishes FAST!

- Built to do finishing, mitering, deburring, chamfering, on metal, wood, plastics, leather, rubber, ceramics, compositions and other materials.
- Vibration-free, true running disc provides accurate finishes on every job.
- Fulfills every finishing need for all users from the pattern shop to the production line.



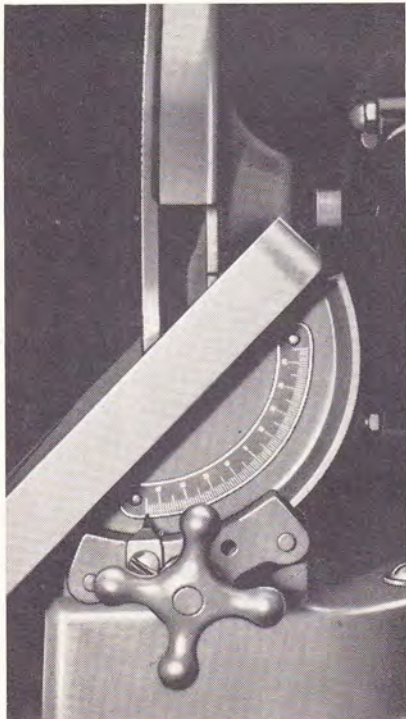
ROCKWELL DELTA INDUSTRIAL MACHINES

ROCKWELL DELTA 12" ABRASIVE DISC FINISHING MACHINE

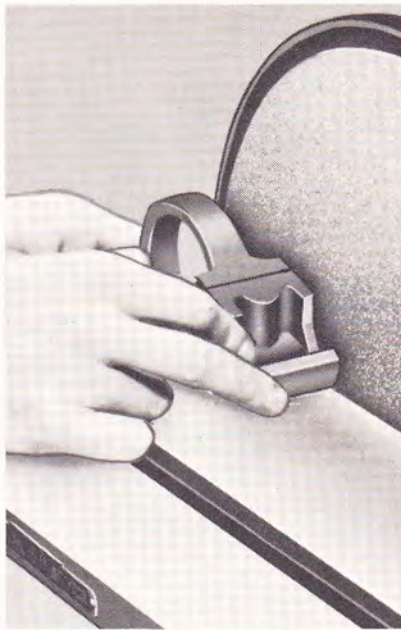
**DELTA QUALITY FEATURES
THAT ASSURE QUICK,
ACCURATE FINISHING
ON EVERY JOB!**



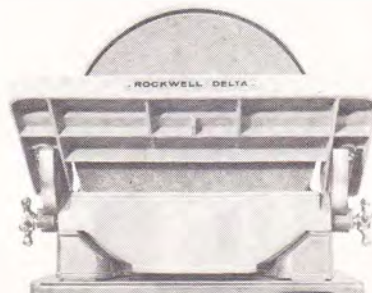
Accurate Miters Quickly Obtained. Plain and compound miters are easily handled with the aid of the No. 50-864 Miter Gage. The wide tilt range of the table, combined with the built-in accuracy of the 12" Abrasive Disc Finishing Machine, makes it an ideal tool for the pattern shop.



Large Miter Scales Plus Positive Locks on Table. A handy lock knob on either side of the table locks it securely at any angle. An easy-to-read scale shows exact degree of tilt desired.



Job Versatility Practically Unlimited. With the Rockwell Delta 12" Abrasive Disc Finishing Machine, all kinds of deburring, grinding and finishing can be done quickly and easily—free-hand curved grinding, finishing with jigs, angle grinding, miter finishing.



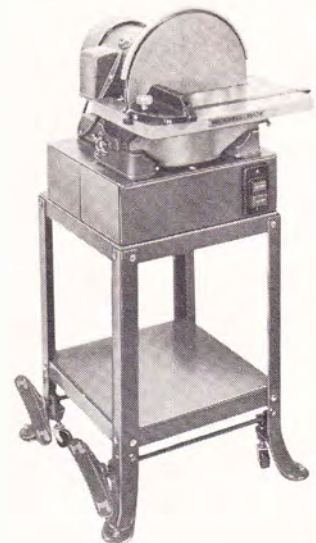
Husky Table Has Rigid Table Supports. The large, scientifically ribbed table is mounted on two widely spaced trunnions for maximum support and rigidity. Convenient dust chute (accessory) carries off dust to the rear.



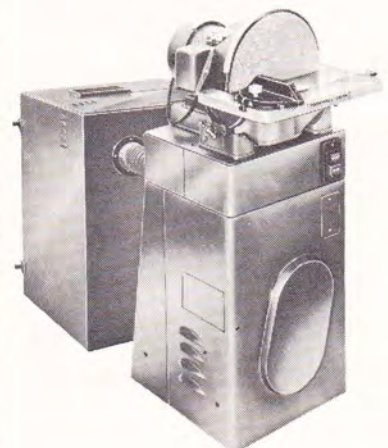
G. Exclusive Rockwell Safety Control Station—Shrouded, green "start" button prevents accidental starts while protruding red "stop" button is extra large for quick emergency stops. Switch cover and buttons are made of non-conductive material for added safety.



**12" Abrasive Disc Finishing Machine,
Ready-To-Run
Model Shown with
Accessory 50-864 Miter Gage.**



**12" Abrasive Disc Finishing Machine,
Ready-To-Run Model Shown with
Accessory 31-124 Open Steel Stand,
49-362 Retractable Casters and
50-864 Miter Gage.**



**12" Abrasive Disc Finishing Machine,
Ready-To-Run Model Shown with
Accessory 50-139 Enclosed
Steel Stand, 50-864 Miter Gage and
Metal Dust Collector.**

ROCKWELL DELTA INDUSTRIAL MACHINES

ROCKWELL DELTA 12" ABRASIVE DISC FINISHING MACHINE

This top quality Rockwell Delta finishing machine is designed for all types of finishing work on woods, metals, plastics, compositions and other materials. It's easily moved into or out of the production line or anywhere in the shop where fast, accurate finishing is required.

Rockwell Delta quality features include—fully machined, normalized disc that runs vibration-free and assures proper adhesion of abrasive discs . . . disc mounted to end of motor shaft for powerful, accurate operation . . . scientifically ribbed table supported by widely spaced trunnions. These and other big features make this machine extremely popular in hundreds of installations from the pattern shop to the factory production line!

MACHINE DATA

Overall Dimensions:

Floor Model on Enclosed or Open Steel Stand . . . 23" Wide,
42½" High, 23⅞" Front to Rear

Table:

Size 9¾" x 16¼"
Tilt 45° Out, 20° In
Miter Gage Groove ⅜ x ¾"

Disc 12" Diameter with Flanged Hub, ⅞" Bore

Tilt Gage Has Adjustable Pointer

CATALOG LISTING

No. 31-122 Basic Machine: 12" Direct Motor Drive Abrasive Disc Finishing Machine with tilt table. Without motor, switch, sub base and stand. 60 lbs.

COMPLETE 12" ABRASIVE DISC FINISHING MACHINE, Ready to Run, with SUB Base (Less Stand) and Special Thrust Load, Ball Bearing Motor.

MOTOR	MOTOR CONTROL	MOTOR ENCLOSURE	HERTZ AND MOTOR RPM	MOTOR VOLTAGE	SHIPPING WT., LBS.	MACHINE CAT. NO.	MACHINE CAT. NO. 200V
Single Phase 1 Horsepower	Push Button Switch Only	TEFC	60-1725	115/230	131	31-125	
	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-1725	115/230	136	31-126	
Three Phase 1 Horsepower	Push Button Switch Only	TEFC	60-1725	230/460	116	31-127	31-128
	Push Button Switch and Flush Mounted Magnetic Starter	TEFC	60-1725	230/460	124	31-129	31-130
	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-1725	230/460	125	31-131	31-132

NOTE: Single phase electricals will be supplied wired for 115 V, unless 230 V is specified. Three phase electricals will be supplied wired for 230 V, unless 460 V is specified. Power Cord and Plug supplied for single phase only. Motors and Motor Controls for Rockwell Delta 12" Abrasive Disc

Finishing Machines may be ordered unmounted. For listing, see Sections P and Q. **No. 49-000 "JIC" Type Control Kit.** Specify this Catalog Number, in addition to Three Phase Cat. No. 31-131, in order to obtain 12" Disc Sander with "JIC" type electricals, factory mounted and wired.

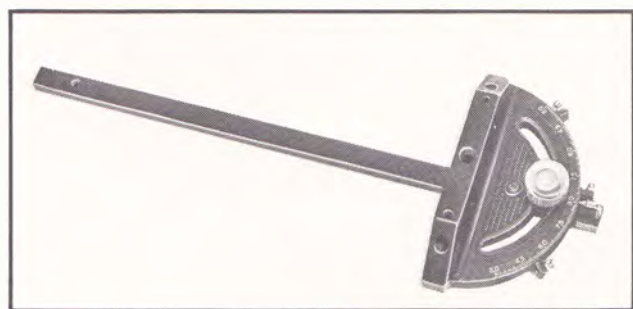
BASIC ACCESSORIES

No. 50-139 Enclosed Steel Stand. 31 lbs.

No. 31-124 Open Steel Stand. 35 lbs.

No. 31-123 Sub Base. Required for mounting 12" Disc Sander to either Enclosed or Open Steel Stand. Furnished as Standard Equipment except for 31-122 Basic Machine. 16 lbs.

ACCESSORIES



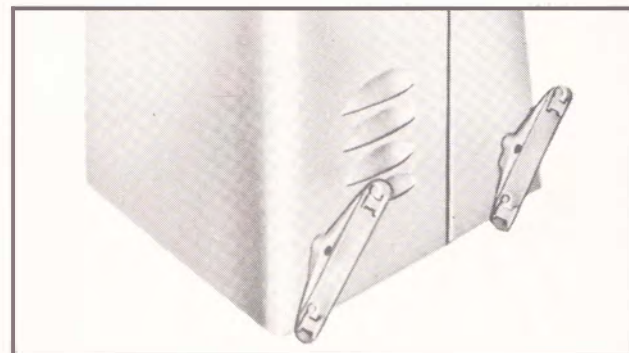
No. 50-864 Auto-Set® Miter Gage. 3½ lbs.

No. 34-884 Deluxe Auto-Set® Miter Gage. For straight and angle finishing. Has ⅝ x ¼ x 18" guide bar and pivoting work support body with pointer and calibrations reading through 120° swing. Adjustable, positive stops at 90° and 45° positions are quickly selected by means of a new, fast operating stop block. Body slotted for quick mounting of auxiliary face plate. Accommodates No. 34-568 Clamp Attachment. 3½ lbs.

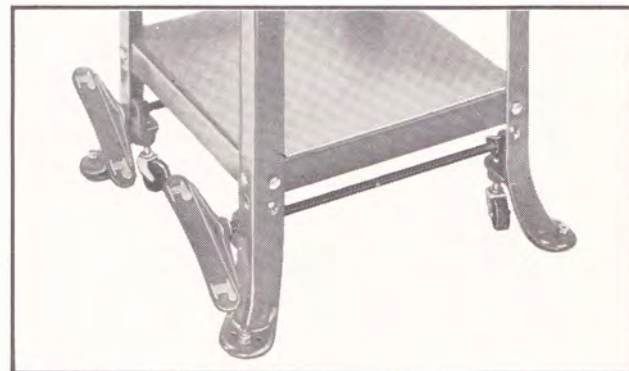
No. 34-568 (old 865) Clamp Attachment for Miter Gages. 1½ lbs.

No. 31-427 (old 1427) Garnet Disc for wood, 12" diameter, 50 grit, medium (½ doz.). 1¼ lbs.

No. 31-428 (old 1428) Aluminum Oxide Disc for metal, 12" diameter, 60 grit, medium (½ doz.). 1¼ lbs.



No. 50-111 Retractable Caster Set for 50-139 enclosed steel stand. Furnished with built-in levelling screws that assure a level base at all times. 13 lbs.



No. 49-362 Retractable Caster Set for 31-124 Open Steel Stand. 12 lbs.

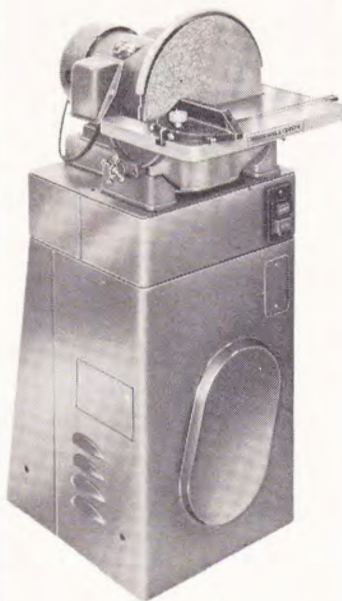
No. 49-503 Disk Adhesive. 1 lb.

For Metal Dust Collector and Attachment Parts, see Section D1.

For Wood Vacuum Cleaners and Attachment Parts, see Section O2.

ROCKWELL DELTA 12" ABRASIVE DISK FINISHING MACHINE

*See the
Complete
ROCKWELL
DELTA
Quality
Sander Line
TODAY!*

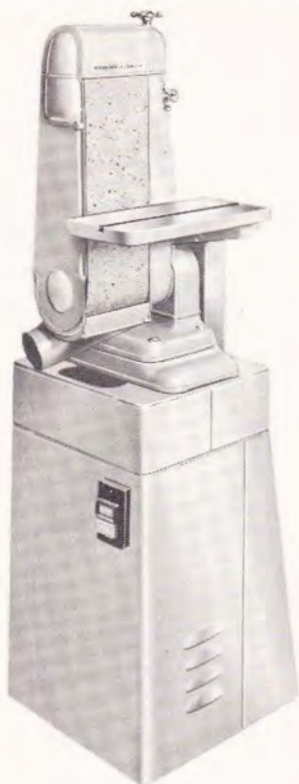


**ROCKWELL DELTA
12" ABRASIVE DISC
FINISHING MACHINE**

Fulfills every finishing need from the pattern shop to the production line on practically any type of material.

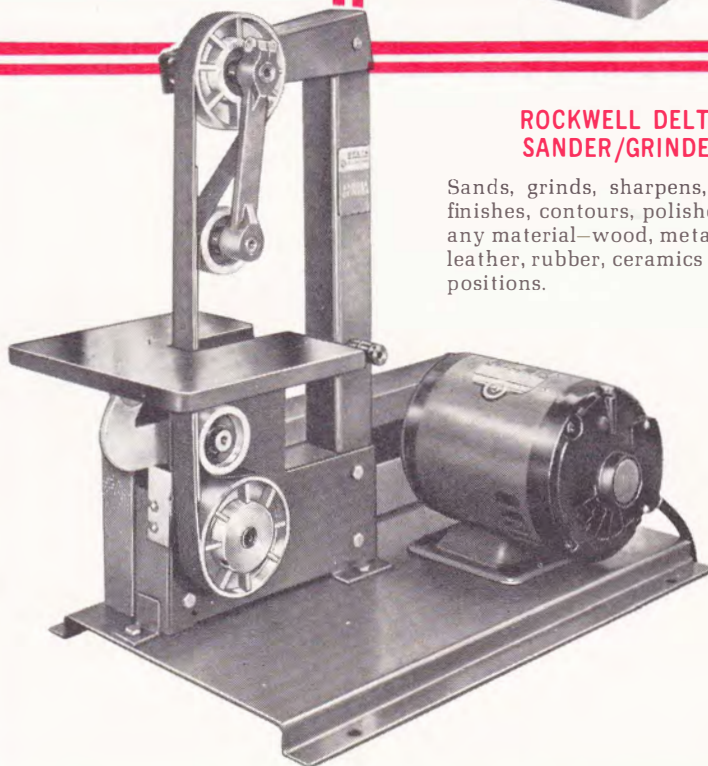
**ROCKWELL DELTA
6" BELT AND 12" DISC
FINISHING MACHINE**

Capable of performing 90% of all your finishing operations. Combination set-up saves space and reduces power costs.



**ROCKWELL DELTA
6" ABRASIVE BELT
FINISHING MACHINE**

Operates vertically, horizontally or at any degree in between on dozens of wood, plastic, metal or other finishing jobs.



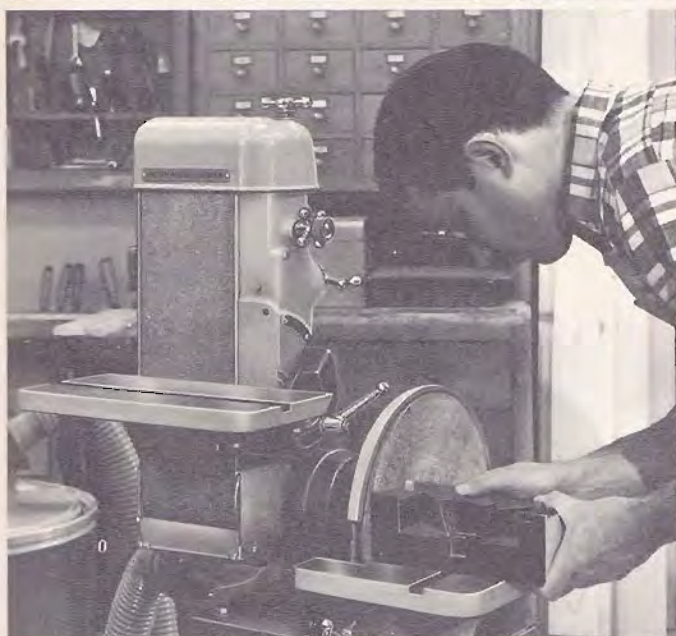
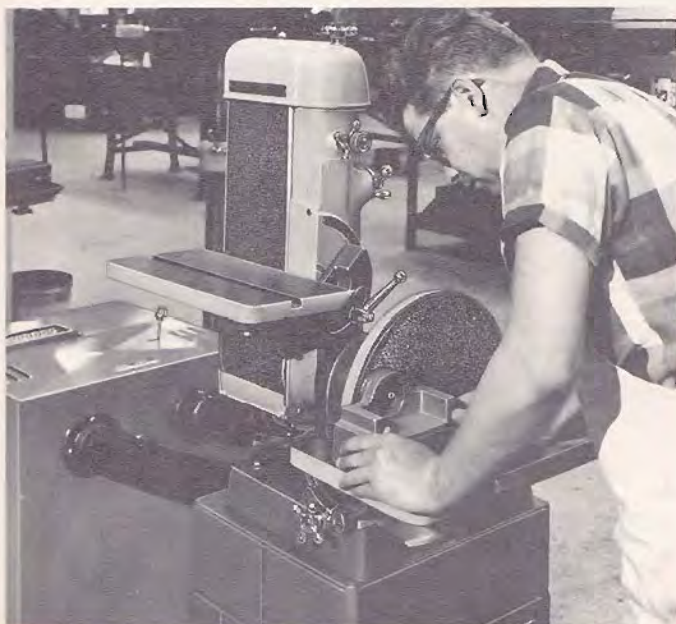
**ROCKWELL DELTA
SANDER/GRINDER**

Sands, grinds, sharpens, deburrs, finishes, contours, polishes almost any material—wood, metal, plastic, leather, rubber, ceramics and compositions.

ROCKWELL DELTA

6" Belt & 12" Disc FINISHING MACHINE

A CUSTOM OR PRODUCTION ABRASIVE FINISHING MACHINE IN A SINGLE COMPACT UNIT



*Rockwell has more ways
to CUT COSTS...IMPROVE PROFITS!*

SAVES TIME!

With the Rockwell Delta Combination Unit, there's no lost motion. You can move from one machine to the other in seconds, as required, to finish curved, straight or irregular shaped work.

SAVES SPACE!

With two machines mounted on one stand and operated by one motor, you save valuable shop space that can be used for additional production.

SAVES COST!

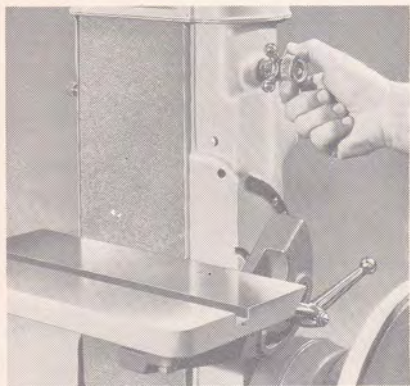
The mounting of two machines on one stand, powered by one motor, saves on your initial investment.



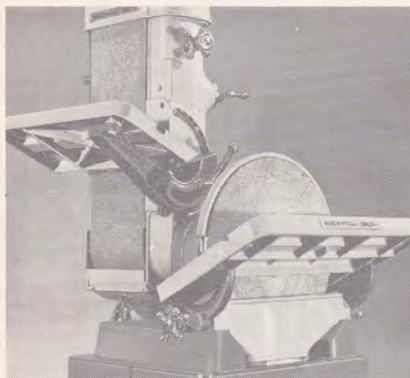
ROCKWELL DELTA INDUSTRIAL MACHINES

ROCKWELL DELTA 6" BELT AND 12" DISC FINISHING MACHINE

**DELTA
QUALITY FEATURES
THAT SPEED UP
CUSTOM OR PRODUCTION
FINISHING
AT LESS COST!**



New Belt Tracking Feature—Knurled knob has fine thread adjustment for easy tracking of belt. Star wheel locks tracking adjustment firmly in place.

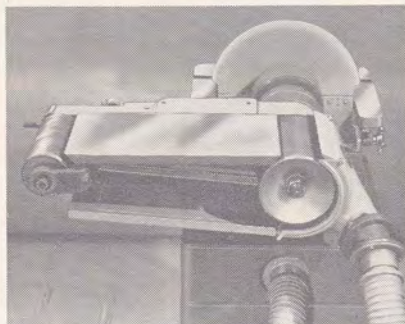


Two Husky Tables—With the Rockwell Delta Combination Finishing Machine, you get two scientifically ribbed tables (not one). Unlike some machines, you don't have to waste valuable production time removing the table when you move from one machine to the other. Two widely spaced trunnions firmly support the Disc Sander table while a single massive trunnion provides ample rigidity for the Belt Sander table.

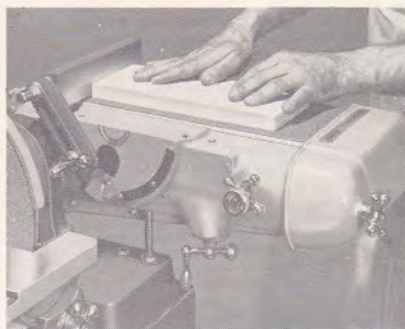


Belt Operates At Any Angle—You can operate the belt vertically, horizontally

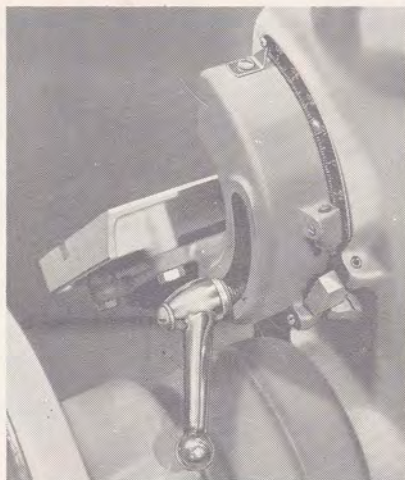
or at any degree in between. Note that work table can remain in level position, providing excellent work support, also storage area for work to be done.



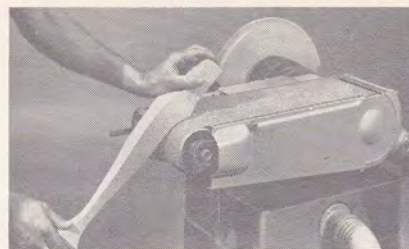
Specially Designed Platen; Extra Large Drive Drum—Ruggedly built platen has a hard chrome-plated wear surface that maintains original machine accuracy much longer. Special surface greatly reduces friction between platen and belt (less drag on motor). Large 5 1/2" diameter drive drum efficiently transmits maximum power from motor to belt, also provides correct belt speed of 3450 FPM for faster, smoother finishing.



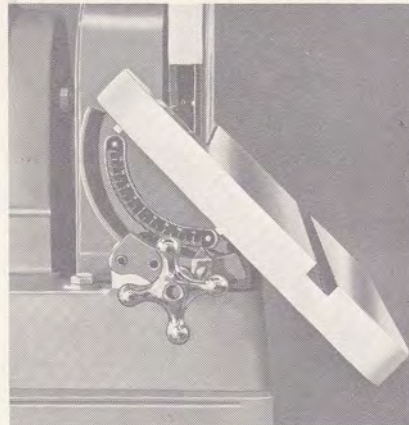
Handy Back Stop—An excellent accessory for finishing flat work because it prevents stock from being carried along with the belt.



Massive Belt Sander Table Trunnion—Rigidly supports table for accurate work. Swinging Stop Link and adjustable screws provide positive settings at 90° and 45° for repetitive work. Table also may be tilted 20° in. Easy-to-read tilt scale and adjustable pointer speed table settings.



Contour Finishing Set-Up Immediately Available—Operator simply removes upper belt guard, then proceeds to contour finish stock on the idler drum.



Handy Tilt Scale; Positive Disc Sander Table Locks—A large, conveniently located tilt scale shows exact degree of tilt desired from 45° out to 20° in. Positive grip star wheels on either side of the table lock it securely in position.



Big 9 3/4 x 16 1/4" Table—Furnishes ample work support for finishing core prints of large patterns. Fully machined, normalized disc runs vibration free for accurate finishing.

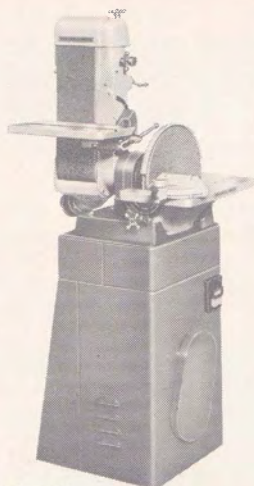


Exclusive Rockwell Safety Control Station—shrouded green "start" button prevents accidental starts while protruding red "stop" button is extra large for quick, emergency stops. Switch cover and buttons are made of non-conductive material for added safety.

ROCKWELL DELTA INDUSTRIAL MACHINES

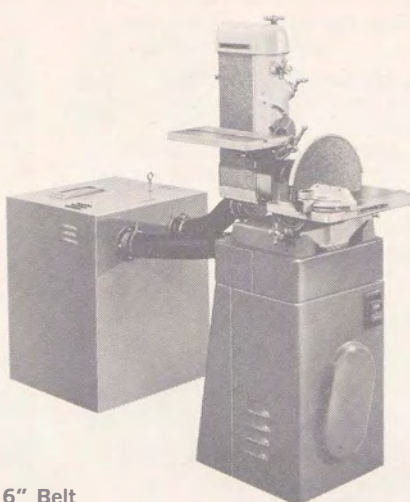
ROCKWELL DELTA 6" BELT AND 12" DISC FINISHING MACHINE

Equipped With TEFC Motor



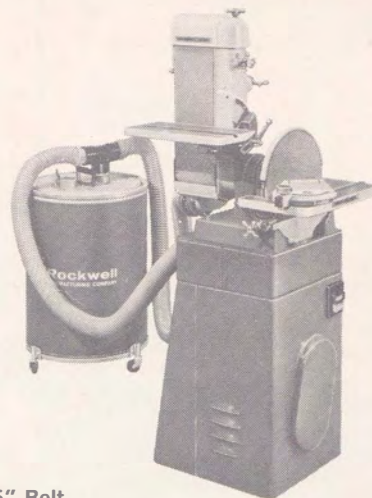
6" Belt and 12" Disc Finishing Machine—Shown on Enclosed Stand with Accessory Miter Gage, Dust Collector Attachment Parts and Electricals.

Equipped With TEFC Motor



6" Belt and 12" Disc Finishing Machine—Shown on Enclosed Stand with Accessory Miter Gage, Metal Dust Collector with Attachment Parts, and Electricals.

Equipped With TEFC Motor



6" Belt and 12" Disc Finishing Machine—Shown on Enclosed Stand with Accessory Miter Gage, Wood Vacuum Cleaner with Attachment Parts, "T" Connector, and Electricals

PERFECTLY SUITED FOR ALL METALWORKING AND WOODWORKING SHOPS

The Rockwell Delta Combination Finishing Machine is a well-engineered, high production unit. Here's why. It comprises in one compact, efficient combination the famous Rockwell Delta 6" Abrasive Belt Finishing Machine and the Rockwell Delta 12" Abrasive Disc Finishing Machine. Powered with a heavy duty 1½ HP motor, this machine has the right speeds—2400 RPM for the disc unit and 3450 FPM for the belt unit—to make it well suited for both metal and wood shops.

With this excellent performing combination you can handle 90 to 95% of all your finishing operations on wood, metal, plastic, compositions, leather and dozens of other materials. Typical operations include surfacing, finishing, sanding, polishing, deburring, grinding and cleaning.

For these reasons this time and money-saving coated-abrasive finishing machine is an excellent unit for the factory production line, machine shop, experimental department, wood and metal pattern shops, furniture factory and cabinet and school shops—wherever custom or production finishing operations must be performed efficiently and economically.

ENCLOSED STAND WITH MOTOR, MOTOR PULLEY AND MOTOR CONTROLS (Factory Mounted and Wired)

MOTOR	MOTOR CONTROL	MOTOR ENCLOSURE	HERTZ AND MOTOR RPM	MOTOR VOLTAGE	SHIP. WT., LBS.	CATALOG NUMBER	CAT. NO. 200V
Single Phase, 1½ Horsepower	Push Button Switch Only	TEFC	60—3450	115/230	87	52-314	
	Push Button and Overload Switches	TEFC	60—3450	115/230	90	52-315	
	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60—3450	115/230	100	52-381	
Three Phase, 1½ Horsepower	Push Button Switch Only	TEFC	60—3450	230/460	83	52-382	52-386
	Push Button Switch and Magnetic Starter	TEFC	60—3450	230/460	95	52-384	52-324
	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60—3450	230/460	98	52-385	52-325

NOTE: Single phase electricals will be supplied wired for 230 V, unless 115 V is specified. If 115 V is specified, operating circuit must be minimum of 30 amperes, incorporating time-delay fusing. Three phase electricals will be supplied wired for 230 V, unless 460 V is specified. Power Cord and Plug supplied for 230 V single phase only. Motors and Motor

STANDARD EQUIPMENT

Basic Machine includes two tilting tables, 5" arbor pulley, guard for arbor pulley, V-belt, 80-grit garnet belt and 50-grit garnet disc.

MACHINE DATA

Overall Dimensions On Stand:

Vertical: Front to Rear .19", Width .26", Height .56½"

Horizontal: Front to Rear .29½", Width .25", Height .42"

Belt Machine:

Table Size . . . 7¾" x 14¾", Table Tilt . . . 45° Out; 20° In

Miter Gage Groove ¾" x ¾"

Platen (Hard Chrome Plated) 6¼" x 14¾"

Belt 6" x 48", Belt Speed 3450 FPM

Disc Machine:

Table 9¾" x 16¼"

Miter Gage Groove Dimensions ¾" x ¾"

Table Tilt 45° Out; 20° In

In Disc 12" Diameter With ¾" Bore

Disc Speed 2400 RPM

Tilt Gage Has Adjustable Pointer.

CATALOG LISTING

No. 31-710 Basic Machine Without Stand: 6" Belt and 12" Disc Finishing Machine with two tilting tables, 5" arbor pulley, guard for arbor pulley, V-belt, 80-grit garnet belt and 50-grit garnet disc. Without stand, motor, motor control, motor pulley and dust collector attachment parts. 158 lbs.

No. 31-715 6" Belt and 12" Disc Finishing Machine With Enclosed Stand: Same as 31-710 except with 50-114 stand and 3½" motor pulley (specify ½", ¾" or 1" bore). Without motor, motor control and dust collector attachment parts. 225 lbs.

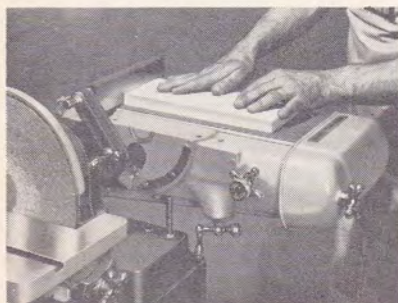
Controls for Rockwell Delta 6" Belt and 12" Disc Finishing Machines may be ordered unmounted. For listing, see Sections P and Q. †No. 49-000 "JIC" Type Control Kit. Specify this Catalog Number, in addition to Three Phase Cat. No. 52-385, in order to obtain Combination Finishing Machine with "JIC" type electricals, factory mounted and wired.

ROCKWELL DELTA 6" BELT AND 12" DISC FINISHING MACHINE

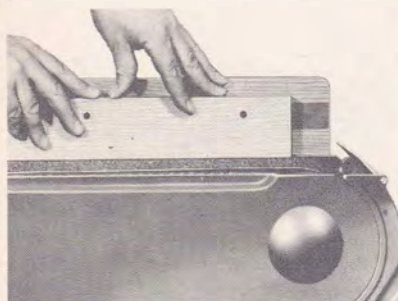
ROCKWELL DELTA QUALITY ACCESSORIES FOR INCREASED JOB PERFORMANCE!

No. 34-568 (old 865) Clamp Attachment for 34-884 Miter Gage. 1½ lbs.

No. 31-401 (old 1401) Tilting Table, with trunnion assembly. 14 lbs.



No. 31-403 (old 1403) Backstop, complete with bracket. 4 lbs.



No. 31-014 (old 1410) Wood Fence, 3¼ x 17½", with brackets. 6 lbs.

No. 31-142 (old 1412) Garnet Belt for wood, 6 x 48", 80 grit, fine. ¼ lb.

No. 31-314 (old 1413) Garnet Belt for wood, 6 x 48", 40 grit, coarse. ¼ lb.

No. 31-404 (old 1414) Al. Oxide Belt for metal, 6 x 48", 100 grit, coarse. ¼ lb.

No. 31-405 (old 1415) Al. Oxide Belt for metal, 6 x 48", 50 grit, coarse. ¼ lb.

No. 31-427 (old 1427) Garnet Disc for wood, 12" dia., 50 grit, medium (½ doz.) 1¼ lbs.

No. 31-428 (old 1428) Al. Oxide Disc for metal, 12" dia., 60 grit, medium (½ doz.) 1¼ lbs.

No. 31-034 (old 1430) Disc Assembly with flange and set screws. 11 lbs.



No. 34-884 Auto-Set® Miter Gage. For straight and angle finishing. Has ¾ x ¾ x 18" guide bar and pivoting work support body with pointer and calibrations reading through 120° swing. Adjustable, positive stops at 90° and 45° positions are quickly selected by means of a new, fast operating stop block. Body slotted for quick mounting of auxiliary face plate. Accommodates No. 34-568 Clamp Attachment. 3½ lbs.

No. 41-052 Motor Pulley, 3½" diameter, ½" bore. 1 lb.

No. 41-053 Motor Pulley, 3½" diameter, ⅝" bore. 1 lb.

No. 41-054 Motor Pulley, 3½" diameter, ¾" bore. 1 lb.

No. 51-010 V-Belt, 4-L cross section, 67" OC. ½ lb.

No. 49-503 Disc Adhesive. 1 lb.

No. 50-114 Enclosed Stand. Includes basic stand, motor mounting plate, steel riser block, grommets for portholes and hardware for mounting finishing machine. 55 lbs.

No. 31-856 Attachment Parts for 6" Abrasive Belt Finishing Machine and for Belt Unit of Combination Belt and

Disc Finishing Machine when used with Metal Dust Collector 49-520 or 49-527. Includes 3 x 22" hose, two hose flanges, two hose clamps and adapter. 7 lbs.

No. 49-589 Attachment Parts for Belt Finishing Machine when used with Vacuum Cleaners 49-253, 49-254 and 49-255. Includes 49-233 Flange for connecting to 2½" hose. 1½" lbs.

No. 50-140 Attachment Parts for 12" Abrasive Disc Finishing Machine when used with Vacuum Cleaners 49-253, 49-254 and 49-255. Includes cast iron funnel and flange for connecting to 2½" hose. 8¼ lbs.

No. 50-141 Attachment Parts for 12" Abrasive Disc Finishing Machine when mounted on Enclosed Stand 50-126 and for Disc Unit of Combination Belt and Disc Finishing Machine when used with Metal Dust Collector 49-520 or 49-527. Includes 3 x 22" hose, two hose flanges, two hose clamps and cast iron funnel. 13½ lbs.

No. 49-229 Hose, 2½" diameter x 6' long. Same as standard hose supplied with Vacuum cleaner. 4 lbs.



No. 49-225 "T" Connector, for use with 49-246, 49-253, 49-254 and 49-255 Vacuum Cleaners. For 2½" hose. Recommended when one vacuum cleaner is used to collect dust from both the belt and disc at the same time. (Order extra 49-229 2½" x 6' hose separately.) 1 lb.

For Metal Dust Collectors and Accessories, see Section D1.

For Wood Vacuum Cleaners and Accessories, see Section O2.

ROCKWELL DELTA **8" Long-Bed JOINTER**

Big in Every Way—Capacity • Safety • Convenience ■ ■ ■

**TO MEET
YOUR
EVERY
PRODUCTION
NEED!**

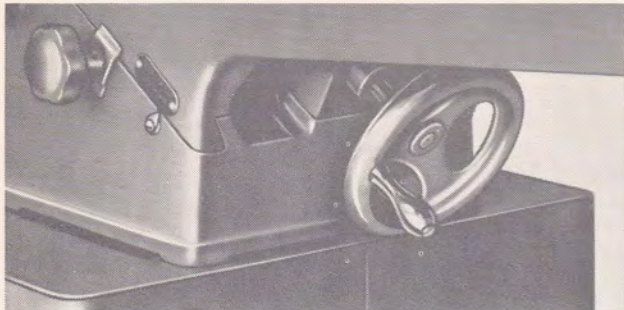
**The
Greatest
Production
Jointer
Ever Built!**

Joints and surfaces stock up to $8\frac{1}{16}$ " wide . . . cuts rabbets $\frac{1}{2}$ " deep by $8\frac{1}{16}$ " wide. Features extra-long $5\frac{1}{2}$ foot bed . . . big 4 x 34 inch fence . . . extra-large handwheels and convenient center-mounted fence . . . completely guarded cutterhead and drive . . . special knife-setting feature . . . and more!

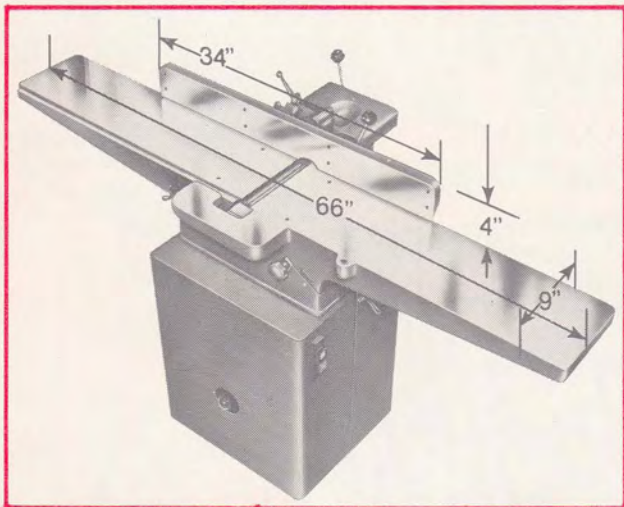
ROCKWELL DELTA INDUSTRIAL WOODWORKING MACHINES

ROCKWELL DELTA 8" LONG-BED JOINTER

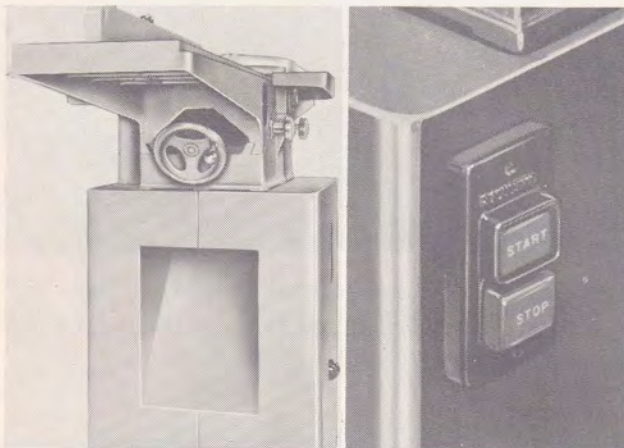
DELTA QUALITY FEATURES THAT MAKE THE 8" LONG-BED JOINTER SUITABLE FOR EVERY PRODUCTION REQUIREMENT!



Gibbed, Dove-Tailed Table Ways—both front and rear tables raise and lower on long, inclined, dove-tailed ways. Adjustable gibs compensate for any wear. Easy-to-read scale shows exact depth of cut. Handy knob locks table at desired setting.

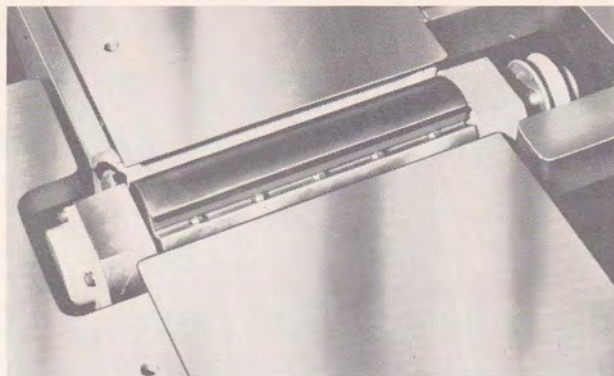


Big, Extra-Long Bed—measures a full 5½ feet in length . . . makes it possible to cut perfect straight edges on extra long material. Large 4" high x 34" long fence permits accurate, easy bevel jointing.

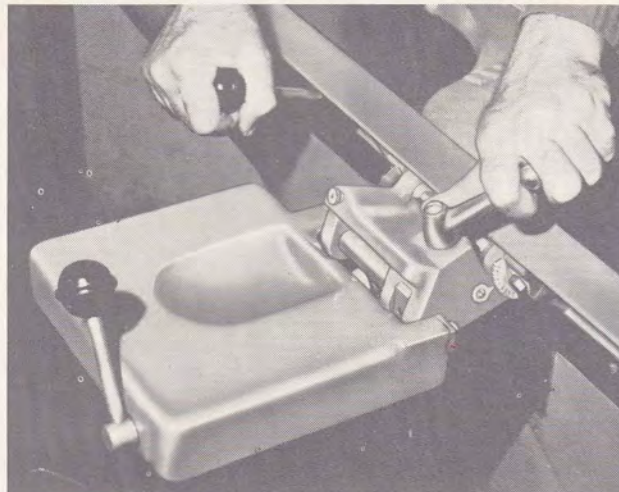


(Left) Adjustable Outfeed Table—simplifies alignment of out-feed table to cutterhead. This outstanding feature makes possible stop jointing and stop chamfering. Built-in dust chute keeps chips and dust away from the motor.

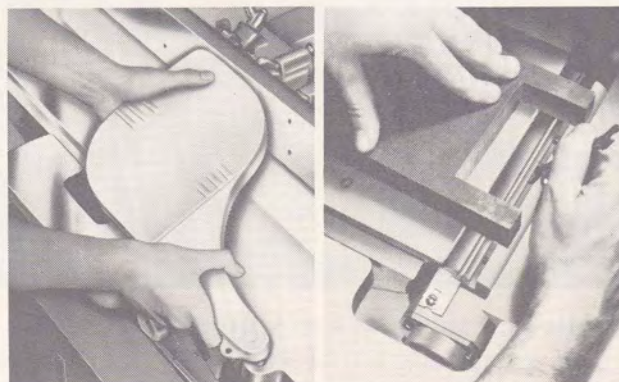
(Right) Exclusive Rockwell Safety Control Station—shrouded green "start" button prevents accidental starts while protruding red "stop" button is extra large for quick, emergency stops. Switch cover and buttons are made of non-conductive material for added safety.



Safety-Type, Three-Knife Cutterhead—with 3" cutting circle, it delivers 15,525 knife cuts per minute. Unique unit-type design enables operator to change cutterheads by simply removing four studs, virtually eliminating costly down time.



Center Mounted, Two-Way Tilting Fence—equipped with plunging type stop at 90° and positive stops at 45°, right and left, for making chamfer and bevel cuts. Cam type lock with single lever control quickly locks fence at any position across the work table.

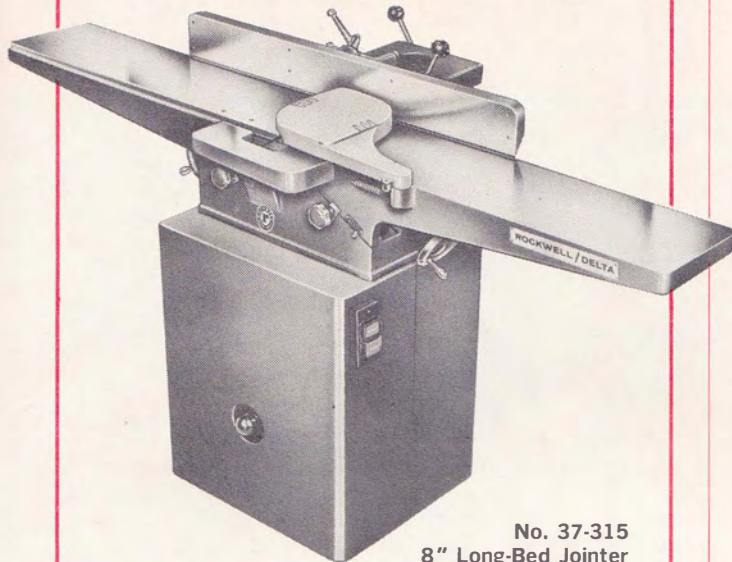


(Left) Safety Engineered Guard—Practical design of cutterhead guard gives you maximum coverage of cutter knives at all times. Easily removed for rabbeting. Cutter knives to rear of fence are covered by fence mounting base.

(Right) Special Knife-Setting Feature—Only the Rockwell Delta 8" Jointer incorporates a precision-ground Index Stop that locks the cutterhead in the correct position for setting cutter knives. Also serves as a stop gage to automatically locate knives for rabbeting operations. Only the Rockwell Delta 8" Jointer gives you a cutterhead with built-in springs that hold cutter knives at the proper height when locking them in place. You get perfect cutter knife alignment every time . . . in just minutes!

ROCKWELL DELTA INDUSTRIAL WOODWORKING MACHINES

ROCKWELL DELTA 8" LONG-BED JOINTER



No. 37-315
8" Long-Bed Jointer
Shown With Accessory 50-370
Enclosed Steel Stand and Electricals.

Big! Rugged! Precision-built for years of accurate production work! Completely enclosed, cabinet-type steel stand that fully encloses motor, belt and pulleys—specially balanced cutterhead with locked-in knives—single control that adjusts outfeed table for quick alignment with knives in cutterhead—big fence with 45° right or left tilt—massive, heavily ribbed 5½-foot bed. This Rockwell Delta Jointer is especially ideal where speed, accuracy and low maintenance are required. Satisfied users include sash and door producers, furniture manufacturers, cabinet shops, shipyards, schools and many others.

MACHINE DATA

Cutting Capacity:
Width8½"
Depth½"
Rabbeting Capacity½" x 8½"
Cutting Circle3" Diameter
Cutterhead:
Speed5175 RPM, 15,525 Cuts Per Minute
Number of Knives3
Runs in Sealed, Lubricated-for-Life Ball Bearings

Table:
Surface—Overall9" Wide x 66" Long
Working Height.....Enclosed Steel Stand: 32¾";
WaysDove-Tailed

Fence:
Size4" High x 34" Long
Tilts Right and Left45°
Positive Stops90°, 45° Right and Left

Overall Dimensions:
Height.....On Enclosed Steel Stand: 36½";
Width.....24½"; Length.....66"

Shipping Weight:
Basic Machine Without Stand 263 lbs.

STANDARD EQUIPMENT

Basic Machine includes set of 3 high-speed steel knives, two-way tilting fence, cutterhead pulley and safety cutterhead guard.

CATALOG LISTING

No. 37-315 Basic Machine Without Stand. 8" Jointer with No. 37-308 set of 3 high-speed steel knives, two-way tilting fence, 2¼" cutterhead pulley and safety cutterhead guard. Without stand, motor pulley, V-belt, motor and switch. 263 lbs.

ENCLOSED STEEL STAND WITH MOTOR AND CONTROLS (Factory Mounted and Wired)

NOTE: Motor Pulley and V-belt Included. Enclosed Steel Stands With Electricals Can Be Ordered Either With Or Without the Basic No. 37-315 8" Long-Bed Jointer.

MOTOR	MOTOR CONTROL	MOTOR ENCLOSURE	HERTZ AND MOTOR RPM	MOTOR VOLTAGE	SHIPPING WT., LBS.	CATALOG NUMBER	CAT. NO. 200V
Single Phase 1 Horsepower	Push Button Switch Only	TEFC	60-3450	115/230	100	49-052	
	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-3450	115/230	96	49-053	
Single Phase 1½ Horsepower	Push Button Switch Only	TEFC	60-3450	230	100	49-054	
	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-3450	230	103	49-055	
Three Phase 1 Horsepower	Push Button Switch Only	TEFC	60-3450	230/460	84	49-056	49-057
	Push Button Switch and Flush Mounted Magnetic Starter	TEFC	60-3450	230/460	105	49-058	49-059
	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-3450	230/460	92	49-060	49-061
Three Phase 1½ Horsepower	Push Button Switch Only	TEFC	60-3450	230/460	102	49-062	49-063
	Push Button Switch and Flush Mounted Magnetic Starter	TEFC	60-3450	230/460	117	49-064	49-065
	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-3450	230/460	114	49-066	49-067

NOTE: Single phase 1 HP electricals will be supplied wired for 115 V, unless 230 V is specified. Single phase 1½ HP electricals will be supplied wired for 230 V only. All three phase electricals will be supplied wired for 230 V, unless 460 V is specified. Motors and Motor Controls for Rockwell Delta 8" Jointers may be ordered unmounted. For listing, see Sections

P and Q. †No. 49-000 "JIC" Type Control Kit. Specify this Catalog Number, in addition to Three Phase Cat. No. 49-060 or 49-066, in order to obtain 8" Jointers with "JIC" type electricals, factory mounted and wired.

ROCKWELL DELTA INDUSTRIAL WOODWORKING MACHINES

ROCKWELL DELTA 8" LONG-BED JOINTER

DELTA QUALITY ACCESSORIES FOR INCREASED JOB PERFORMANCE!

No. 50-370 Steel Stand, enclosed type, 17" wide x 19 $\frac{3}{4}$ " long x 23 $\frac{1}{2}$ " high, complete with belt guard, chip chute and motor mounting plate. 60 lbs.

No. 49-025 (old 520) V-Belt, 54 $\frac{1}{8}$ " OC, required for 50-370 Steel Stand. 1 lb.

No. 41-053 Motor Pulley, 3 $\frac{1}{2}$ " diameter, $\frac{5}{8}$ " bore. 1 lb.

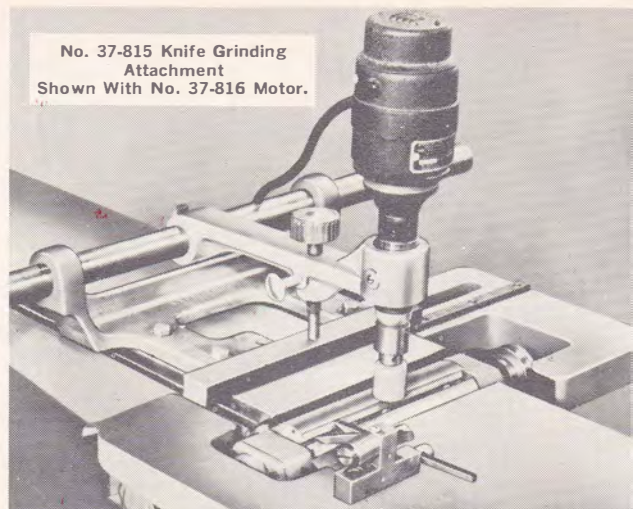
No. 37-308 High-Speed Steel Cutter Knives, set of 3 for No. 37-315 Jointer. $\frac{1}{2}$ lb.

No. 37-305 High-Speed Steel Cutter Knives, set of 4 for No. 37-300 (old style) Jointer. $\frac{1}{2}$ lb.

No. 37-810 Cutterhead Assembly, complete with bearings, housings and No. 37-308 set of 3 high-speed steel knives. Fits both old and new style jointers. 18 lbs.

KNIFE GRINDING ATTACHMENT

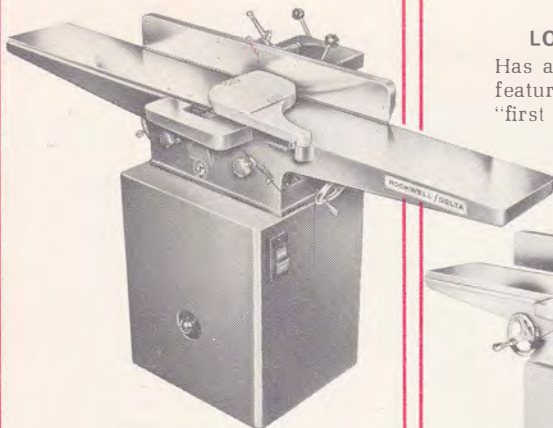
Enables operator to grind or joint knives as needed while the cutterhead remains in the jointer. Eliminates costly machine down-time.



No. 37-815 Knife Grinding and Jointing Attachment. With guide rail and mounting parts, positive index device, and jointing stone with adapter. Less motor. 25 lbs.

No. 37-816 Motor, 115 V, AC-DC, 25 to 60 hz. Includes on-and-off switch, 115 V 9 $\frac{1}{2}$ -foot cord and 3-prong grounding type plug, one fine and one medium wheel and wheel dressing stone. 8 lbs.

SEE THE COMPLETE ROCKWELL DELTA QUALITY JOINTER LINE TODAY!

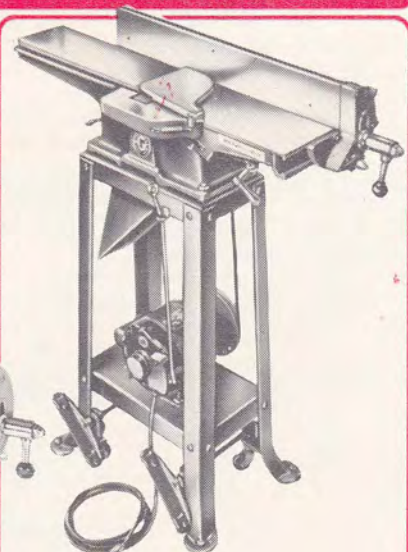
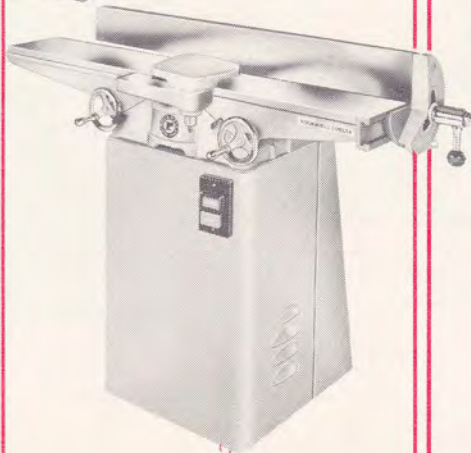


ROCKWELL DELTA 8" LONG-BED JOINTER

A rugged, heavy duty machine that offers the big capacity, precision accuracy and dependability for continuous production line work.

ROCKWELL DELTA 6" DELUXE LONG-BED JOINTER

Has all the built-in quality features that make it the "first choice" in schools, maintenance departments, production shops and on the building site.



ROCKWELL DELTA 4" PRECISION JOINTER

Economically priced, this husky jointer will do precision work, year after year. Its portability makes it easy to move from one job to another about the shop or on the building site.

ROCKWELL DELTA 6" Deluxe Long-Bed JOINTER



Whatever your requirements—building trades . . . production line . . . maintenance department . . . commercial or school shop—the Rockwell Delta 6" Deluxe Long-Bed Jointer will provide all the *precision, flexibility* and *capacity* you'll ever need!

Extra Long Bed provides increased capacity for handling long stock.

Simple, Easy-to-Reach Controls assure faster, easier operation.

Fully Adjustable Table speeds up production on every job.

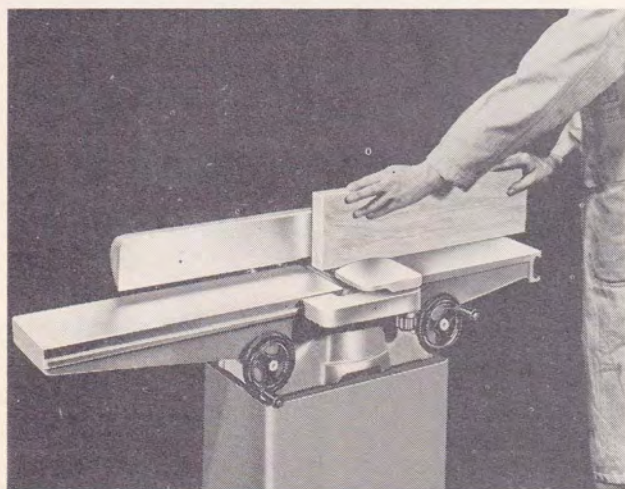
Safety Engineered Guard gives operator maximum protection.

Ideal Working Height Stand provides safety and convenience for the operator, especially when edge jointing wide stock.

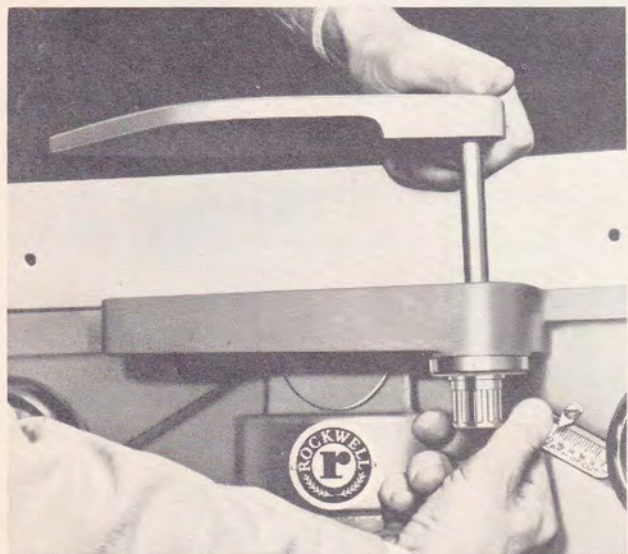
ROCKWELL DELTA 6" DELUXE LONG-BED JOINTER

**DELTA QUALITY FEATURES
THAT MAKE THE 6" DELUXE JOINTER
THE LEADER IN DESIGN, QUALITY
AND PERFORMANCE!**

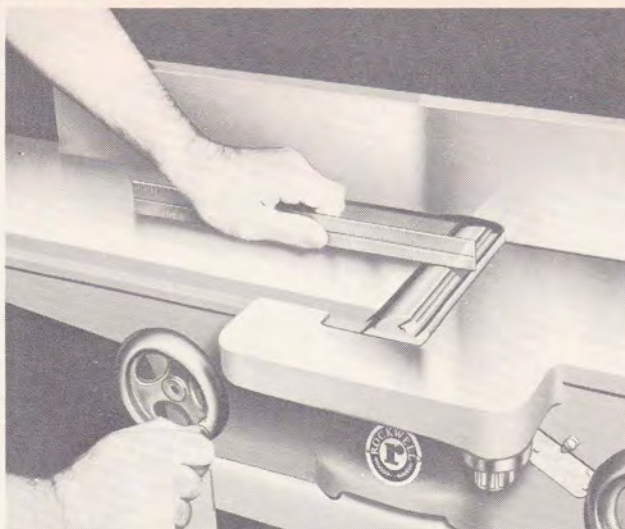
Exclusive Rockwell 24-Volt Safety Control System—Only Rockwell 6" Deluxe Long-Bed Jointers offer a low 24 volts at the push button control station for extra operator safety. Magnetic control system provides on-off control, low-voltage, no-voltage (when power is interrupted, machine can be started only by pressing start button), and motor overload protection. On three phase systems, overload protection is provided on all three legs. Shrouded green "start" button prevents accidental starts while protruding red "stop" button is extra large for quick, emergency stops. Switch cover and buttons are made of non-conductive material for added safety.



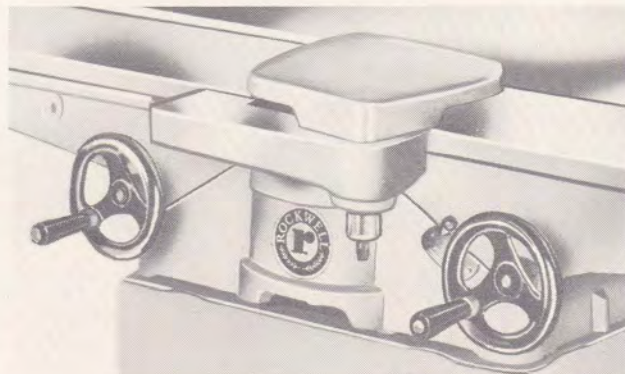
Long Bed—This Delta Jointer contains a long bed . . . a full 42½" . . . to insure a true cut, even on extra long boards.



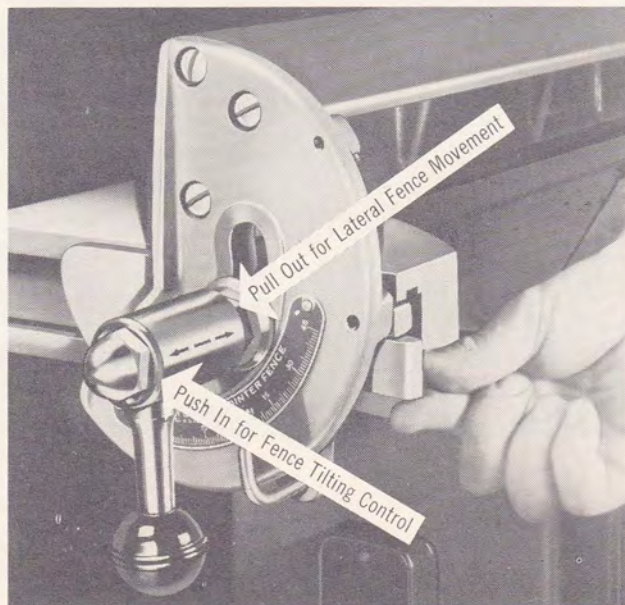
Safety Engineered Guard—Adjustable tension guard has torsion spring assembly which provides infinite tension adjustment. Guard is instantly removable, also can be locked. Rear Knife Guard, No. 37-807, is interchangeable with front knife guard. Gives added operator protection.



Adjustable Outfeed Table—The Delta 6" Deluxe Jointer has an individually controlled and fully adjustable outfeed table. It is much easier to adjust the table to the cutterhead with a single hand wheel than to attempt to adjust the cutterhead to the table with an assortment of wrenches.



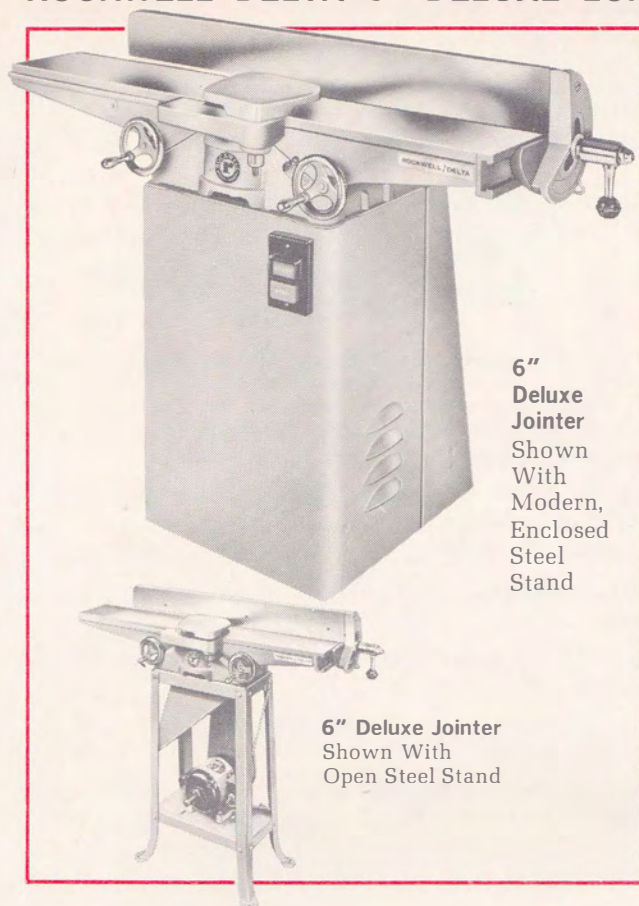
Improved Table Elevating Mechanism—The hand-wheel control is conveniently located for rapid "glide motion" raising and lowering of both tables. Both wheels are within easy reach from the normal operating position.



Dual Fence Control and Positive Stop—a single control handle, on the front of the jointer, positions the fence for both width of cut and angle of cut. A touch of the finger engages positive stops at 90° or 45° right and left.

ROCKWELL DELTA INDUSTRIAL WOODWORKING MACHINES

ROCKWELL DELTA 6" DELUXE LONG-BED JOINTER



6" Deluxe Jointer Shown With Modern, Enclosed Steel Stand

6" Deluxe Jointer Shown With Open Steel Stand

Here's a jointer that's years ahead of anything in its class or price range!

Relatively light in weight, it can be easily moved from maintenance department to shipping department or placed in a production line. Builders, too, find it easy to transport this highly efficient jointer right to the job site where it can be quickly put to work.

The Delta 6" Long Bed Jointer is a precision-engineered tool incorporating all the advanced features that have been asked for by cabinet makers, carpenters, maintenance men, pattern makers, school shop instructors, farmers and dozens of other users. It is designed to satisfy the great demand for a high quality jointer at a relatively low cost.

ENCLOSED STEEL STAND WITH MOTOR AND CONTROLS (Factory Mounted and Wired)

NOTE: Motor Pulley and V-belt Included. Enclosed Steel Stands With Electricals Can Be Ordered Either With or Without the Basic No. 37-220 6" Deluxe Long-Bed Jointer.

MOTOR	MOTOR CONTROL	MOTOR ENCLOSURE	HERTZ AND MOTOR RPM	MOTOR VOLTAGE	SHIPPING WT., LBS.	CATALOG NUMBER	CAT. NO. 200V
Single Phase, ½ Horsepower	Push Button Switch Only	TEFC	60-1725	115/230	81	49-889	
	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-1725	115/230	86	49-890	
Single Phase, ¾ Horsepower	Push Button Switch Only	TEFC	60-1725	115/230	86	49-891	
	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-1725	115/230	93	49-892	
Three Phase ½ Horsepower	Push Button Switch Only	TEFC	60-1725	230/460	84	49-893	52-089
	Push Button Switch and Magnetic Starter	TEFC	60-1725	230/460	92	49-895	52-091
	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-1725	230/460	93	49-896	52-092
Three Phase, ¾ Horsepower	Push Button Switch Only	TEFC	60-1725	230/460	87	49-897	52-093
	Push Button Switch and Magnetic Starter	TEFC	60-1725	230/460	92	49-899	52-095
	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-1725	230/460	92	49-900	52-096

NOTE: Single phase electricals will be supplied wired for 115 V, unless 230 V is specified. Three-phase electricals will be supplied wired for 230 V, unless 460 V is specified. Power Cord and Plug supplied for single phase only. Motors and Motor Controls for Rockwell Delta 6" Deluxe Long-Bed

STANDARD EQUIPMENT

Jointers are furnished with a set of 3 high-speed steel knives, 2-way tilting fence with "dual control," cutterhead pulley and front safety knife guard.

MACHINE DATA

Overall Dimensions:

On Enclosed Steel Stand 20½" Wide, 34" High, 48" Long
On Open Steel Stand 14" Wide, 39 ¼" High, 48" Long

Cutting Capacity:

Width 6"
Depth ½"

Rabbeting Capacity: ½" x 6"

Cutterhead:

Speed 4500 RPM, 13,500 Cuts Per Min.
Number of Knives 3
Runs in Sealed, Lubricated-for-Life Ball Bearings.

Table:

Surface-Overall 7" Wide x 42½" Long
Working Height (Totally Enclosed Stand) 29 ⅝"
(Open Steel Stand) 35"
Ways Dove-tailed

Fence:

Size 4" High x 36¾" Long
Tilts Right and Left 45°
Positive Stops 90°, 45° Right & Left

Shipping Weight (With Enclosed Steel Stand) 200 lbs.

CATALOG LISTING

No. 37-220 Basic Machine Without Stand. 6" Jointer with 37-659 (old 659) set of 3 high-speed steel knives, 2-way tilting fence with "dual control," 2¾" cutterhead pulley and front safety knife guard. Without stand, motor, switch, motor pulley or V-belt. 152 lbs.

No. 37-225 Machine With Enclosed Steel Stand. Same as 37-220 except with 50-121 enclosed steel stand, 49-035 (old 530) V-belt and 7" motor pulley (specify ½, ⅝ or ¾" bore). Without motor and switch. 200 lbs.

No. 37-221 Machine With Open Steel Stand. Same as 37-220 except with 50-406 open steel stand, 50-800 dust chute, 37-661 (old 661) belt guard, 49-560 (old 560) V-belt and 7" motor pulley (specify ½, ⅝ or ¾" bore). Without motor or switch. 152 lbs.

See next page for Motors, Controls and Wiring Kits recommended for use with No. 37-221 Machine with Open Steel Stand.

NOTE: Items bearing individual catalog numbers, as included in No. 37-220, No. 37-221 and No. 37-225 can be ordered separately; see price list.

Jointers may be ordered unmounted. For listing, see Sections P and Q. No. 49-000 "JIC" Type Control Kit. Specify this Catalog Number, in addition to Three Phase Cat. No. 49-900, in order to obtain 6" Jointer with "JIC" type electricals, factory mounted and wired.

ROCKWELL DELTA INDUSTRIAL WOODWORKING MACHINES

ROCKWELL DELTA 6" DELUXE LONG-BED JOINTER

RECOMMENDED MOTORS, CONTROLS AND WIRING KITS FOR NO. 37-221 MACHINE WITH OPEN STEEL STAND ONLY

(For complete electrical descriptions, see Sections P and Q.)

SINGLE PHASE

Motor 62-011, $\frac{3}{4}$ HP, 115/230 V, use: 51-115 (old 1115) Toggle Switch, 49-385 Box and Cable Kit and 49-357 Cord Set, **or**
Motor 62-680, $\frac{1}{2}$ HP, 115/230 V, use: 51-333 (old 1333) Switch Rod.

THREE PHASE MANUAL CONTROL

Motor †66-029, $\frac{3}{4}$ HP, 230/460 V, **or**
Motor †66-369, $\frac{1}{2}$ HP, 230/460 V, use: 52-347 Push Button Switch when overload protection is not desired.

THREE PHASE MAGNETIC CONTROL

Motor †66-029, $\frac{3}{4}$ HP, 230/460 V, **or**
Motor †66-369, $\frac{1}{2}$ HP, 230/460 V, use: ‡49-665 Starter, 49-842 Switch, 49-846 Mounting Bracket and 49-315 Cable Kit.

†NOTE: Without switch or power cord.

‡NOTE: Specify motor number and voltage when ordering.

DELTA QUALITY ACCESSORIES THAT PROVIDE GREATER EFFICIENCY AND INCREASED SAFETY

No. 37-659 (old 659) Set of 3 high-speed steel knives. $\frac{3}{8}$ lb.

No. 37-661 (old 661) Belt Guard for 6" Jointer on open stand. 7 lbs.

No. 37-522 (old 1522) Wrench, double end, $\frac{5}{16}$ ", for cutterhead knife lock bar screws. $\frac{1}{4}$ lb.

No. 37-815 Knife Grinding and Jointing Attachment. With guide rail and mounting parts, positive index device, and jointing stone with adapter. Less motor. 25 lbs.

No. 37-816 Motor, 115 V, AC-DC, 25 to 60 hz. Includes on-and-off switch, 115 V 9 $\frac{1}{2}$ -foot cord and 3-prong grounding type plug, one fine and one medium wheel and wheel dressing stone. 8 lbs.

No. 37-807 Rear Safety Knife Guard. 2 lbs.



NO. 37-808

No. 37-808 Cutterhead Assembly with $\frac{5}{8}$ " diameter shaft. Complete with bearings, housings and 37-659 (old 659) set of 3 high-speed steel knives. Keep an extra cutterhead assembly on hand to eliminate machine downtime. 9 lbs.

No. 37-820 Aux. Fence Support. For extra heavy work. 2 lbs.

No. 41-122 Motor Pulley, 7" diameter, $\frac{1}{2}$ " bore. 2 lbs.

No. 41-123 Motor Pulley, 7" diameter, $\frac{5}{8}$ " bore. 2 lbs.

No. 41-124 Motor Pulley, 7" diameter, $\frac{3}{4}$ " bore. 2 lbs.

No. 49-363 Retractable Caster Set for No. 50-656 Open Steel Stand. 12 lbs.

No. 50-111 Retractable Caster Set for 50-121 Enclosed Steel Stand. 13 lbs.

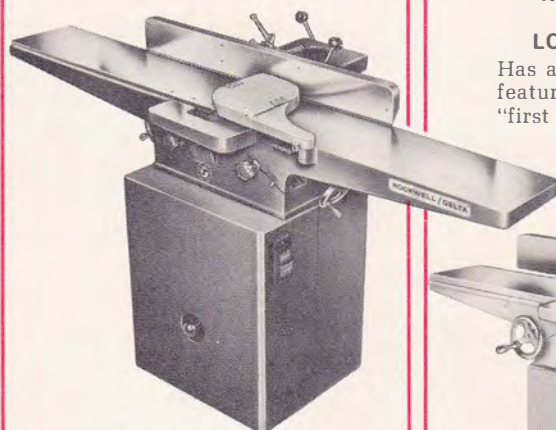
No. 50-121 Enclosed Steel Stand. Includes 50-127 basic stand, 50-136 motor plate and 50-133 belt guard. 50 lbs.

No. 50-656 Open Steel Stand with 50-800 Dust Chute, 29" high, top 8 x 16". 31 lbs.

No. 50-406 Open Steel Stand, less 50-800 Dust Chute, 29" high, top 8 x 16". 27 lbs.

No. 50-800 Dust Chute for 50-406 Open Steel Stand. 3 lbs.

SEE THE COMPLETE ROCKWELL DELTA QUALITY JOINTER LINE TODAY!

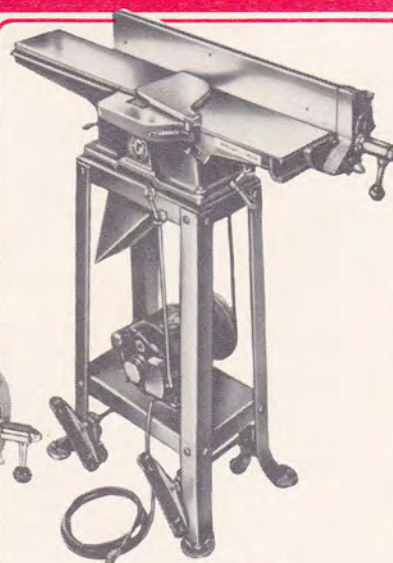
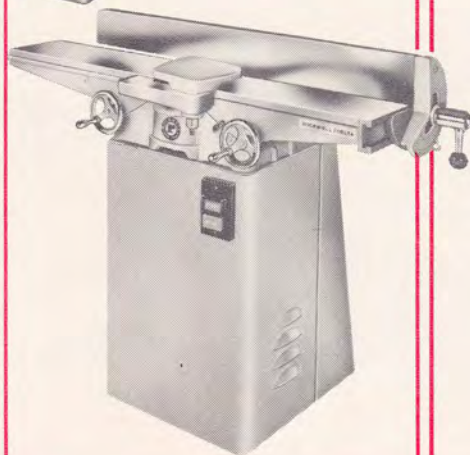


ROCKWELL DELTA 8" LONG-BED JOINTER

A rugged, heavy duty machine that offers the big capacity, precision accuracy and dependability for continuous production line work.

ROCKWELL DELTA 6" DELUXE LONG-BED JOINTER

Has all the built-in quality features that make it the "first choice" in schools, maintenance departments, production shops and on the building site.



ROCKWELL DELTA 4" PRECISION JOINTER

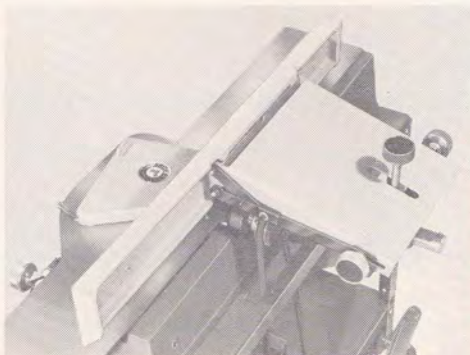
Economically priced, this husky jointer will do precision work, year after year. Its portability makes it easy to move from one job to another about the shop or on the building site.

Rockwell Delta 6" JOINTER

Built to deliver Big Capacity,
Safely...all at
an Economical Price.



Check These Delta Quality Features



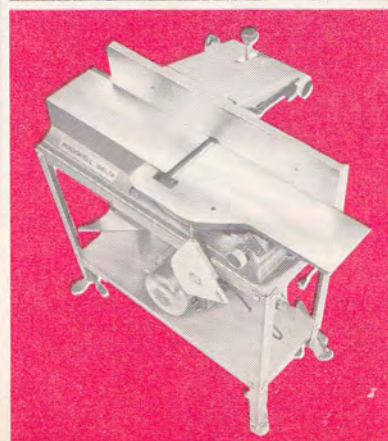
Fence Has 90° Positive Stop

Fence is equipped with a positive stop at 90° for surfacing, also tilts 45° right or left for chamfering or beveling.



Quick-Action Depth-of-Cut Control

Single lever facilitates fast depth settings anywhere from 0 to $\frac{3}{8}$ ". Zero setting has a positive stop whereas a locking control firmly holds all other depth-of-cut settings.



Big Jointer Bed

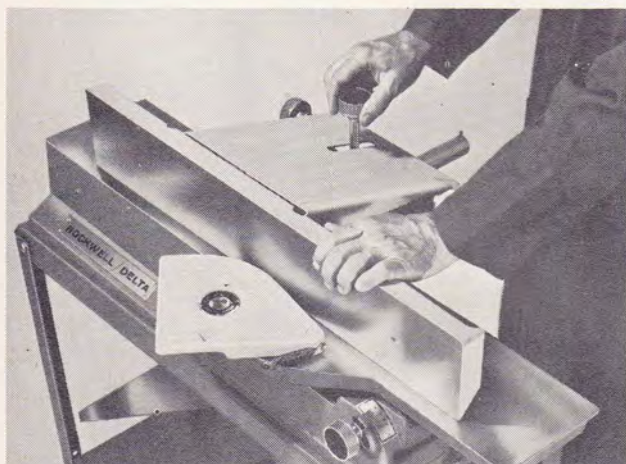
Large $6\frac{1}{4} \times 35\frac{1}{2}$ " bed will handle large stock... front table has 3" ledge for rabbeting. Bed is precision ground after assembly to insure accurate, straight jointing.

ROCKWELL STATIONARY POWER TOOLS FOR THE BUILDING TRADES

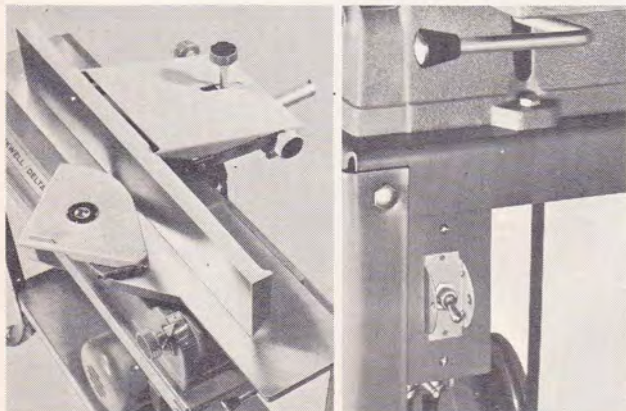
ROCKWELL DELTA 6" JOINTER



No. 37-600 6" Jointer
Shown With
Accessory 37-601 Stand,
37-602 Dust Chute,
49-365 Retractable Casters
and Electricals



Center-Mounted Fence. Fence is center mounted for fast, easy setting and to provide maximum stability at the cutterhead. Fence is drilled to accommodate an auxiliary wooden fence. Lock firmly holds fence at desired setting.



(Left) Complete Cutterhead Guarding. No matter where the fence is positioned, the cutterhead is always guarded. Front knife guard easily can be removed for rabbeting.

(Right) Safe, Up-Front Switch. Toggle switch is conveniently located for easy operation. Shielded to prevent accidental starting, switch also can be locked to prevent unauthorized use.

You'll get big jointer capacity and performance with this economically priced Delta 6" Jointer.

Portable in design, it can be easily moved about the shop or plant or taken out to the building site. That's why it is well suited for the building trades, cabinet or wood speciality shop, and school shops.

Investigate, this **BIG JOINTER VALUE** today!

STANDARD EQUIPMENT

Jointer is furnished with a set of three high-speed steel knives, 2-way tilting fence, "quick-action" front table adjustment, cutterhead pulley and front safety knife guard.

MACHINE DATA

Overall Dimensions:

Length 36"; Width 22"
Height:
Bench Model 9 $\frac{1}{4}$ "; On Stand 35 $\frac{3}{4}$ "

Table:

Size 6 $\frac{1}{8}$ x 35 $\frac{1}{2}$ "
Front Quick-Action
Height on Stand 31 $\frac{1}{2}$ "

Fence:

Size 4 $\frac{1}{4}$ x 27 $\frac{1}{2}$ "
Tilt 45° In and 45° Out
Positive Stop 90°

Capacity:

Width 6"; Depth $\frac{3}{8}$ "
Rabbeting $\frac{3}{8}$ x 6"

Cutterhead:

Number of Knives 3
Speed (with 1725 RPM Motor) 4200 RPM
Cuts Per Minute 12,600
Bearings Sealed, Lubricated-for-Life, Ball

Shipping Weight (Basic Machine Only) 94 lbs.

CATALOG LISTING

No. 37-600 Basic Machine Without Stand. 6" Jointer with 37-659 (old No. 659) set of three high-speed steel knives, 2-way tilting fence, "quick-action" front table adjustment, 2 $\frac{1}{2}$ " cutterhead pulley and front safety knife guard. Without stand, motor and switch, motor pulley or V-belt, 94 lbs.

No. 37-605 Accessory Pack. Includes 37-601 Open Stand, 37-602 Dust Chute, 41-103 Motor Pulley ($\frac{3}{8}$ " bore) and 49-051 V-Belt. 65 lbs.

MOTOR AND MOTOR CONTROL

FOR SINGLE PHASE OPERATION

No. 62-030 Motor, $\frac{1}{2}$ HP, TEFC, 115/230 V, capacitor, AC, 60 Hz, 1725 rpm, with $\frac{3}{8}$ " shaft. With remote control switch, 115 V 8-foot cord and 3-prong grounding type plug, locking guard on-off plate and bracket for mounting control station to stand, assembled and wired to motor. 27 lbs.

BASIC ACCESSORIES

No. 37-659 (old 659) High-Speed Steel Knives, extra set of three. $\frac{1}{2}$ lb.

No. 37-522 (old 1522) Wrench, double end, $\frac{5}{16}$ ", for cutterhead knife lock bar screws. $\frac{1}{4}$ lb.

No. 37-601 Open Stand, 26 $\frac{1}{2}$ " high with 12" x 32" top. Accommodates Delta No. 6 and NEMA 56 frame motors. 51 lbs.

No. 37-602 Dust Chute, 6 $\frac{3}{8}$ " x 29 $\frac{1}{8}$ ", attaches to 37-601 Open Stand. 12 lbs.

No. 49-365 Retractable Caster Set. For 37-601 Open Stand. 13 lbs.

No. 49-051 (old 501) V-Belt, 52" O.C. 1 lb.

No. 41-102 Motor Pulley, 6" diameter, $\frac{1}{2}$ " bore. 2 lbs.

No. 41-103 Motor Pulley, 6" diameter, $\frac{3}{8}$ " bore. 2 lbs.

No. 41-104 Motor Pulley, 6" diameter, $\frac{3}{4}$ " bore. 2 lbs.

ROCKWELL DELTA 4" Deluxe JOINTER

This ruggedly built, economically priced jointer incorporates many big jointer features. That's why it is so well accepted in the cabinet shop, out on the building site and in the school shop. Check these typical Rockwell Delta Quality Features:

Dual Control Handle—Simplifies fence adjustment for surfacing, chamfering, beveling and rabbeting . . . has positive stops at 90° and 45°, right and left.

Fully Adjustable Tables—Both front and rear tables adjust independently, enabling you to do more operations than on jointers with a fixed outfeed table.

Dove-Tailed Table Ways with Adjustable Gibs—Tables ride on dove-tailed ways with take-up gibs that assure life-long accuracy . . . a feature found only on more expensive, production type jointers.

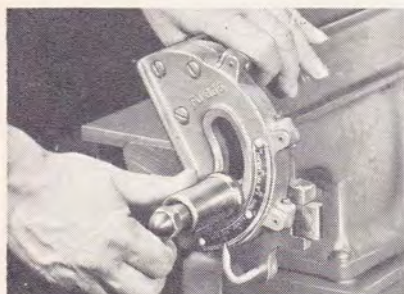
Big Table—Spacious table, 5¼" wide x 27¼" long, provides ample support for working extra-long and wide stock.



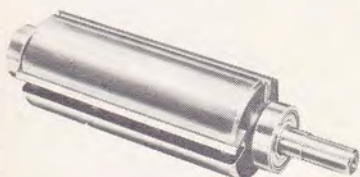
ROCKWELL STATIONARY POWER TOOLS FOR THE BUILDING TRADES

ROCKWELL DELTA 4" DELUXE JOINTER

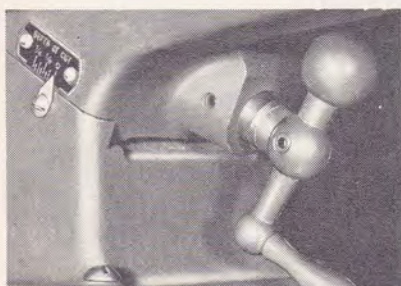
**OFFERS SAFETY,
CONVENIENCE AND
RUGGED CONSTRUCTION
FEATURES NOT FOUND
IN MANY HIGHER
PRICED MACHINES**



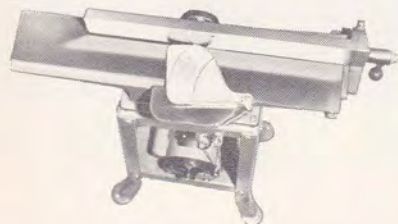
Delta Dual-Control Handle simplifies fence adjustment for surfacing, chamfering or beveling . . . features positive stops at most used fence positions of 90° and 45°, right and left.



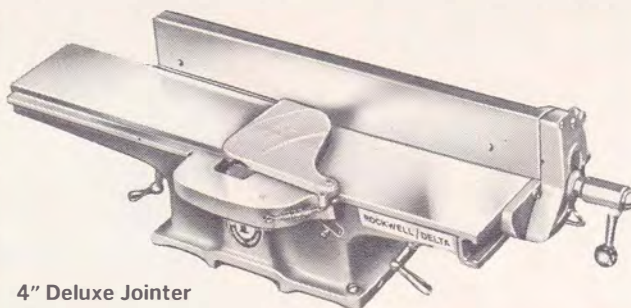
Cartridge Type, Three-Knife Cutterhead with 2" cutting circle, delivers 12,600 knife cuts per minute . . . features precision ground and balanced high speed steel knives . . . operates on lubricated-for-life ball bearings.



Front and Rear Tables Are Independently Adjustable for depth of cut . . . tables operate on gibbed dovetail ways, easily adjusted to compensate for wear . . . depth of cut scale is calibrated in 64ths for precise depth settings.



Full 27 1/4 Jointer Bed provides ample support for extra-long materials. Rigid 3 1/4 x 21 1/2 fence permits accurate beveling and chamfering.



4" Deluxe Jointer
(Bench Model)

Guard Completely Covers Cutterhead automatically pivots out of the way of work . . . easily removed for rabbeting.

The Delta Deluxe Jointer surfaces stock up to 4" wide . . . cuts rabbets 1/4" deep and 4" wide . . . also tapers, chamfers and bevels without added accessories. It offers many of the precision features normally found only in larger and higher priced machines—tables are finish ground after assembly to insure perfect alignment . . . fully adjustable infeed and outfeed tables . . . single control handle to position the fence for surfacing, chamfering or beveling.

MACHINE DATA

Overall Dimensions:

Length	32"
Width	12"
Height	
Bench Model	9 1/2"
On Stand	38 1/2"

Table:

Size	5 1/4" x 27 1/4" long
Ways	dovetailed
Height (On Stand)	35 1/4"

Fence:

Size	3 1/4" x 21 1/2" long
Tilt	45° r. and l.
Positive Stops	90°, 45° r. and l.

Capacity:

Width	4"
Depth	1 1/4"
Rabbeting	1/4" x 4"

Cutter head:

Number of Knives	3
Cutting Circle	2" dia.
Speed (with 1725 rpm motor)	4200 rpm
Bearings	sealed lubricated-for-life, ball



Deluxe Jointer
with Stand, Motor,
Switch Rod, Pulley and V-belt.

BASIC MACHINE ONLY

No. 37-290 4" Deluxe Jointer. With Swing Guard, Fence with Dual-Control Handle, Cutterhead Pulley and No. 37-806 Jointer Cutter Head with High-Speed Steel Knives. 66 lbs.

BASIC MACHINE WITH MOTOR, CONTROLS AND STAND COMPLETE

No. 37-251. Same as 37-290 except with 62-413 1/3 HP Motor, 41-113 Motor Pulley (3/8" bore), 49-560 (old 560) V-belt, 51-333 (old 1333) Switch Rod, 50-329 Stand and 50-801 Dust Chute. 125 lbs.

MOTOR

For Single Phase Operation

No. 60-020. Motor, Split Phase, 1/3 HP, 1725 RPM, 115 V, 60 Hertz, AC, with switch, cord and plug. 16 lbs.

BASIC ACCESSORIES

No. 49-363 Retractable Casters. 12 lbs.

No. 37-806 Jointer Cutter Head Assembly. Includes Bearings, Housings and No. 37-802 Set of 3 Knives. 8 lbs.

No. 37-802 Jointer Knives Only. High Speed Steel, Set of Three. 1/2 lb.

No. 41-112 Motor Pulley, 6 1/2" diameter, 1/2" bore. 2 lbs.

No. 41-113 Motor Pulley, 6 1/2" diameter, 5/8" bore. 2 lbs.

No. 41-114 Motor Pulley, 6 1/2" diameter, 3/4" bore. 2 lbs.

Heavy Duty Production Performer

ROCKWELL DELTA **12"—14" Tilting Arbor Saw**

Here's a saw with all the stamina and rugged construction needed for big job performance. It has ample power to zip through stock up to 5½" thick . . . extra big capacity for ripping to the center of a 100" panel.

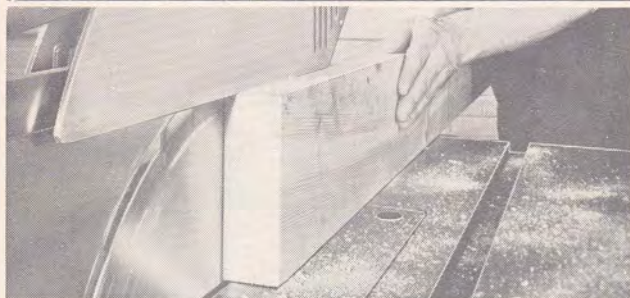
Advanced features like **4-Belt Drive . . . Unique Set-Over Guide Rails . . . Micro-Set, Single Control Rip Fence . . . "Super-Safe," Swing-Type Blade Guard . . . Plus Rugged Construction Throughout** make it an *unmatched value in its class!*



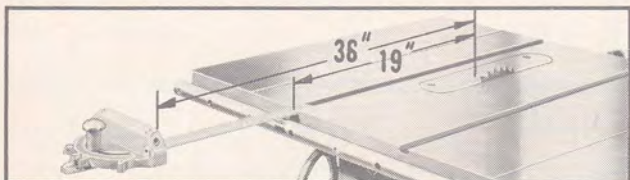
ROCKWELL DELTA INDUSTRIAL WOODWORKING MACHINES

ROCKWELL DELTA 12"-14" TILTING ARBOR SAW

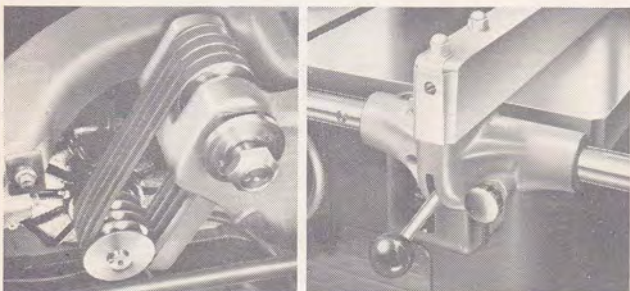
DELTA QUALITY FEATURES THAT EVERY USER WANTS!



Extra Power with Big Capacity: The heavy duty 3, 5 or 7½ HP motors provide ample power to handle the toughest cutting jobs. You can cut stock up to 4¼" thick using a 12" blade, up to 5⅝" thick using a 14" blade.



Big Front of Blade Capacity: The massive table on the Rockwell Delta 12"-14" Tilting Arbor Saw provides a full 19" of table in front of the blade when cutting 1" stock. With T-slot miter gage fully extended, you get a full 36" of capacity. This extra big capacity is especially valuable when cutting large panels.

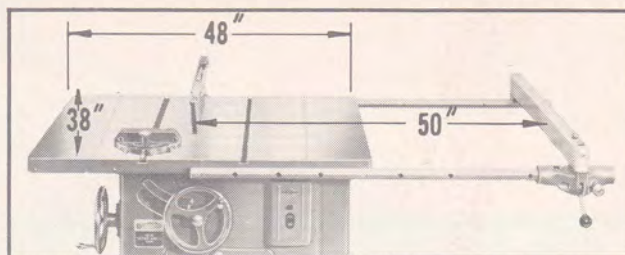


(Left) Modern, Superior Drive: Rockwell Delta's husky, 4-belt drive gives you constant, even power—no loss through slip-page. To replace belts, simply slip them over the yoke.

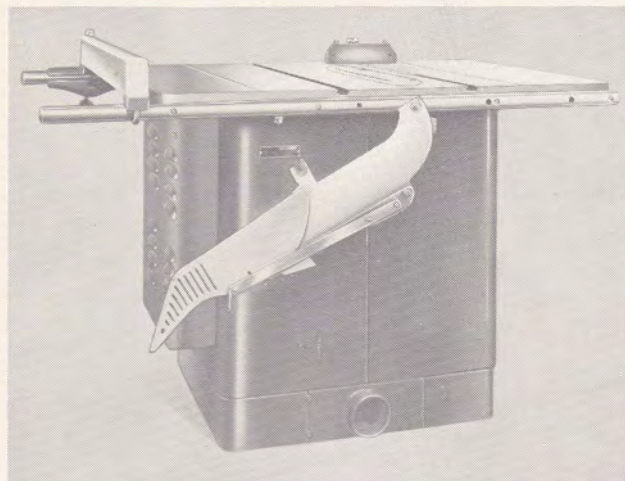
(Right)—Superior, Two-Stage Fence Control: Single clamp handle initially locks fence to front guide rail as fence automatically aligns itself parallel to the saw blade. At second stage, fence securely locks to rear guide rail. Micro-Set® aluminum rip fence is finish ground for utmost accuracy. When necessary, it may be easily adjusted to maintain this accuracy.



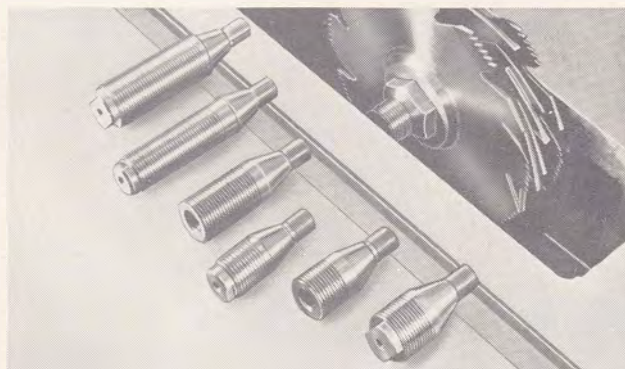
Correct Blade Tilt: Unlike some competitive saws, the blade on the Rockwell Delta 12"-14" Saw tilts to the right, away from the operator's hands. This assures greater safety for the operator because most people prefer to work on the left side of the blade.



Unique Set-Over Feature: Illustration shows how the Rip Fence Guide Rails can be set over to increase ripping capacity to the center of a 100" panel. Only Delta includes this important feature as Standard Equipment. Table measures 3'2" x 4', ample support for extra big jobs.



"Super-Safe," Swing Type Blade Guard: When necessary, blade guard may be quickly swung down, out of the way for dadoing and moulding. It is never necessary to detach it from the machine.



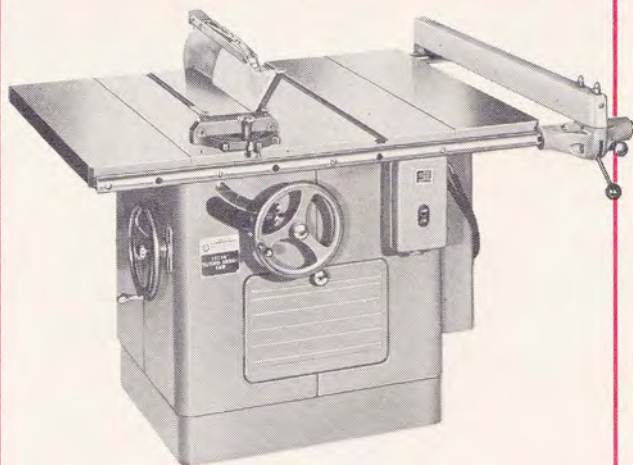
Wide Selection of Arbor Extensions Available: Only Delta makes seven different interchangeable arbor extensions available to permit the use of many saw accessories. For example, you can use dado heads up to 2" wide, accommodate saw blades with different size arbor holes, and do many other operations.

DELTA QUALITY EXTRAS

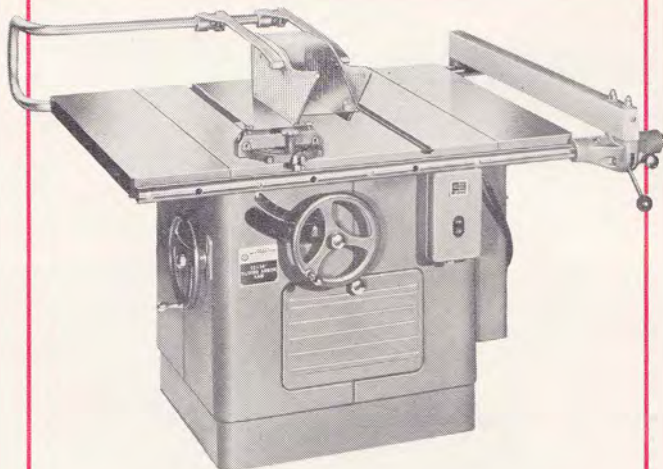
- Massive 3'2" x 4' table is scientifically ribbed to prevent distortion, assures a true, flat surface at all times.
- Micro-Set® adjustment and easy-to-read scale permits quick, accurate positioning of rip fence.
- Auto-Set® miter gage, with adjustable index stops, has massive, heavy body. T-bar holds securely in T slots in table to give maximum accuracy.
- Sealed, lubricated-for-life ball bearings eliminate need for lubrication.
- Large, easily operated hand wheels for tilting, lowering and raising blade, have positive lock knobs.

ROCKWELL DELTA INDUSTRIAL WOODWORKING MACHINES

ROCKWELL DELTA 12"-14" TILTING ARBOR SAW



No. 34-395 12"-14" Saw Shown With Electricals.



No. 34-390 12"-14" Saw Shown With Electricals.

Cuts Stock 5½" Thick . . . Rips to Center of a 100" Panel!

Here is a saw that gives you greater capacity than most 16" machines—a full 5½" depth of cut . . . a big 3¾" capacity at 45° blade tilt. No other saw in the same price range offers this big capacity, plus all the built-in Delta Quality Features.

That's why this Rockwell Delta 12"—14" Saw meets the "big job" requirements of users in industry . . . on large construction sites . . . in lumber yards . . . and in vocational, trade and technical schools.

MOTORS AND CONTROLS (Factory Mounted and Wired)

NOTE: Motor Pulley and Set of Four Matched V-belts Included.

MOTOR	MOTOR CONTROL	MOTOR ENCLOSURE	HERTZ AND MOTOR RPM	MOTOR VOLTAGE	SHIPPING WT., LBS.	CATALOG NUMBER	CAT. NO. 200V
Single Phase 5 Horsepower	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60—3450	230	109	52-313	
Three Phase 5 Horsepower	Magnetic Starter with Push Button Control	TEFC	60—3450	230/460	126	49-905	52-138
	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60—3450	230/460	130	†49-906	52-139
Three Phase 7½ Horsepower	Magnetic Starter with Push Button Control	TEFC	60—3450	230/460	147	49-907	52-140
	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60—3450	230/460	151	†49-908	52-141

NOTE: Single phase electricals will be supplied wired for 230 V only. Three phase electricals will be supplied wired for 230 V, unless 460 V is specified. Power Cord and Plug not supplied. Motors and Motor Controls for Rockwell Delta 12"—14" Circular Saws may be ordered unmounted.

Compare this saw with any other make for capacity, quality and performance. You'll agree that it has no equal!

MACHINE DATA

Diameter of Arbor 1"
Diameter of Saw Blade 12" or 14"
Capacities:

Maximum Depth of Cut:
With 12" Blade 4½"
With 14" Blade (Blade is 1¾" Above Table When Arbor is in Lower Most Position) 5½"
Maximum Rip to Right of Blade 30"
Maximum Rip to Right of Blade with UNIGUARD 25"
Maximum Rip to Right of Blade with Guide Bars in Set-Over Position 50"
Maximum Rip to Left of Blade 20"
Maximum Thickness of Cut at 45°:
With 12" Blade 27½"
With 14" Blade 35½"
Distance, Front of Table to Center of Blade 22"
Table in Front of 12" Blade at Maximum Cut 16"
Maximum Width of Cut-Off with 12" Blade (1" Stock) 19"
Maximum Width of Dado Cut 2"

Table:

Height 34"
Size, Including Two Extensions 38" x 48"
T-Slot Miter Gage Groove on Either Side of Saw Blade.
Removable Table Inserts with Built-In Levelling Screws.

Cabinet Size 26½" x 30"

Rip Fence Locks Front and Back Simultaneously with Single Operating Handle at Front of Machine.

Exhaust Opening for Dust Collection System 4" Diameter
Speed with 12" Blade and 3450 RPM Motor 3750 RPM
Motor Plate:

Accommodates NEMA Frame Motors 182T, 184T and 213T

Shipping Weight 820 lbs.

STANDARD EQUIPMENT

Basic 12"-14" Tilting Arbor Saw furnished with welded steel cabinet, 38" x 48" table with two extension wings, motor mounting plate, motor cover, miter gage, rip fence, guide rails and guard for 12" or 14" diameter saw blades.

Motor pulley and set of four matched V-belts included with electrical kit.

CATALOG LISTING

No. 34-390 Basic 12"-14" Tilting Arbor Saw with 34-937 UNIGUARD. Includes welded steel cabinet, 38" x 48" table (including two table extensions), motor mounting plate, motor cover, 34-925 miter gage, rip fence and guide rails. Without saw blade, set of 4 matched V-belts, motor pulley, motor and starter. 761 lbs.

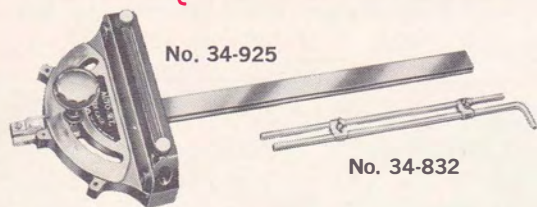
No. 34-395 12"-14" Tilting Arbor Saw, same as 34-390, except with 34-936 Super-Safe splitter-mounted guard. 777 lbs.

For listing, see Sections P and Q. †No. 49-000 "JIC" Type Control Kit. Specify this Catalog Number, in addition to Three Phase Cat. No. 49-906 or 49-908, in order to obtain 12"—14" Circular Saw with "JIC" type electricals, factory mounted and wired.

ROCKWELL DELTA INDUSTRIAL WOODWORKING MACHINES

ROCKWELL DELTA 12"-14" TILTING ARBOR SAW

DELTA QUALITY ACCESSORIES








No. 34-925 Auto-Set Miter Gage; less Stop Rods, 13 lbs.

No. 34-832 Stop Rods for Miter Gage. 2 lbs.

No. 34-937 UNIGUARD, for all Rockwell Delta 12"-14" Saws. Includes table mounting bracket, support arm, two bracket arms, two guards, plastic shield, splitter assembly with anti-kickback fingers and instructions for mounting. 20 lbs.

No. 34-936 Super-Safe Saw Guard, splitter-mounted, swing type. For 12" or 14" diameter saw blades. 16 lbs.

COMPLETE SELECTION OF SAW BLADES

Catalog Number	Type of Blade		Diameter	Arbor Hole
33-197 34-930 33-179	COMBINATION SAW BLADES (Flat Ground)		12" 12" 14"	1" 1 1/8" 1"
33-199 34-931 33-180	RIP SAW BLADES (Flat Ground)		12" 12" 14"	1" 1 1/8" 1"
33-246 34-932	CROSSCUT BLADE (Flat Ground)		12" 12"	1" 1 1/8"
33-202 33-203	NOVELTY TOOTH COMBINATION SAW BLADES (Flat Ground)		12" 14"	1" 1"
33-228 34-933 33-182	MITRE SAW BLADES (Hollow-Ground) (4 cutting teeth) (1 raker tooth)		12" 12" 14"	1" 1 1/8" 1"
34-842	CARBIDE-TIPPED COMBINATION BLADE (24 Teeth With Alternate Top Bevel Grind)		*12"	1" or 1 1/8"

*Contains removable bushing.

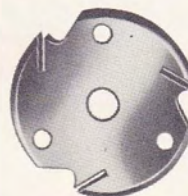
DADO HEAD SETS

Heavy duty production type. Sets are made of high quality steel, carefully hardened and tempered. Blades and chippers are matched to assure clean, even cuts with or across the grain.

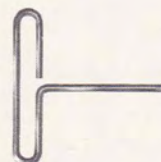


No. 33-174 No. 3 Production Type Dado Head Set. Consists of two hollow ground outer blades (10" diameter x 3/8" thick) and four inside cutters (one 1/4" thick; two 3/8" thick; one 1/16" thick). With 1" arbor hole. Cuts grooves from 3/8" to 1 3/16" wide. 10 lbs.

No. 34-940 No. 4 Production Type Dado Head Set. Consists of two hollow ground outer blades (8" diameter x 1/8" thick) and four inside cutters (two 1/4" thick; two 3/8" thick; one 1/16" thick). With 1 1/8" arbor hole. Cuts grooves from 1/8" to 1 1/16" wide. 8 lbs.



No. 34-941 Moulding Cutterhead, heavy duty, solid steel, 6" diameter, to fit 1" or 1 1/8" saw arbors. Without wrench or knives. 10 lbs.



No. 34-521 (old 1521) Allen Key Wrench for use with 34-941 Moulding Cutterhead. 1/8 lb.



No. 34-945 Dado Head and Moulding Cutter Table Insert for 12"-14" Tilting Arbor Saw. 2 lbs.

ARBOR EXTENSIONS

No. 34-942 Arbor Extension, 1 1/8" diameter, to accommodate dado and moulding cutterheads 1 1/16" wide. 2 lbs.

No. 34-943 Arbor Extension, 1 1/8" diameter, to accommodate dado or moulding cutterheads 2" wide. 2 lbs.

No. 34-947 Arbor Extension, 1" diameter, with collar, to accommodate saws with 1" arbor hole. 3 lbs.

No. 34-938 Arbor Extension, 1 1/8" diameter, with collar, to accommodate saws with 1 3/8" arbor hole. 3 lbs.

No. 34-948 Arbor Extension, 1 1/4" diameter, with collar, to accommodate saws with 1 1/4" arbor hole. 3 lbs.

No. 34-949 Arbor Extension, 1" diameter, to accommodate 2" wide dado head, 1" bore. 4 lbs.

No. 34-950 Arbor Extension, 1 1/4" diameter, to accommodate 2" wide dado head, 1 1/4" bore. 4 lbs.

V-BELTS AND MOTOR PULLEYS

No. 49-150 Set of 4 Matched V-Belts, 28 3/8". O.C. (per set). 2 lbs.

No. 41-746 Four-Groove Motor Pulley, 1" bore, 3 1/4" diameter. 5 1/4 lbs.

No. 41-747 Four-Groove Motor Pulley, 1 1/8" bore, 3 1/4" diameter. 5 lbs.

No. 41-748 Four-Groove Motor Pulley, 1 3/8" bore, 3 1/4" diameter. 5 lbs.

For additional circular saw accessories, see Section G6.



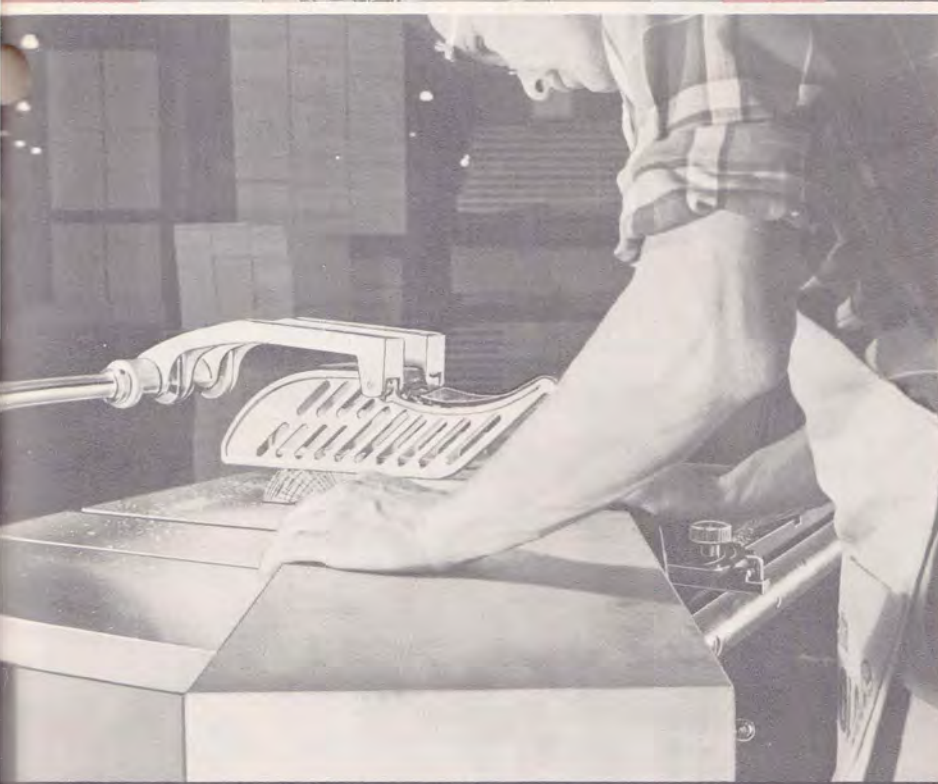
World Famous **ROCKWELL DELTA** 10" Tilting Arbor **UNISAW®**

**An "All-Purpose" Saw
That's Built to Satisfy
the Needs of All Users
on Every Job!**

Here's a saw that has been
**IMITATED BY MANY BUT
NEVER EQUALLED!**

Why? Because it is specially designed
and quality built, inside and out.
For example, it incorporates the
five Famous Delta Quality Features
(lubricated-for-life ball bearings,
precision bored bearing seats,
preloaded bearings,
a precision ground arbor and
dynamically balanced pulleys) ...
a triple V-belt drive ...
the revolutionary UNIGUARD
with exclusive, patented,
retractable splitter ...
a single control, JET-Lock,
Micro-Set® rip fence ...
extra long guide bars (accessory) for
ripping to the center of a 100" panel ...
plus a complete line of heavy duty
motors that are designed exclusively
for the 10" UNISAW.

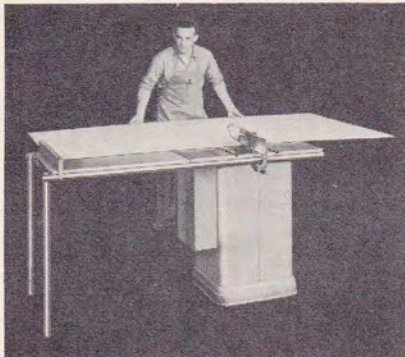
These are only a few of the many
reasons (see feature section for more)
why Rockwell Delta UNISAWS
have set the "standard"
in industry, year after year!



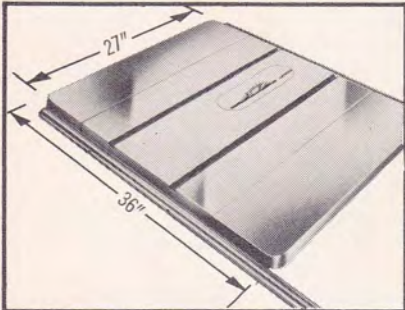
ROCKWELL DELTA INDUSTRIAL WOODWORKING MACHINES

ROCKWELL DELTA 10" TILTING ARBOR UNISAW®

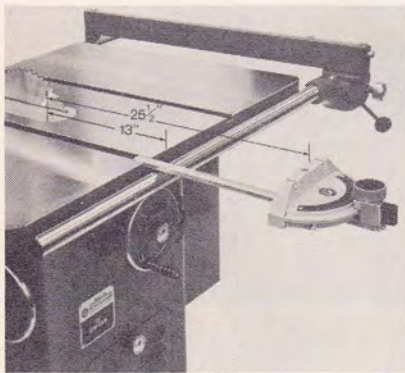
**DELTA QUALITY FEATURES
THAT MAKE THE
UNISAW® FIRST CHOICE
IN 10" SAWS!**



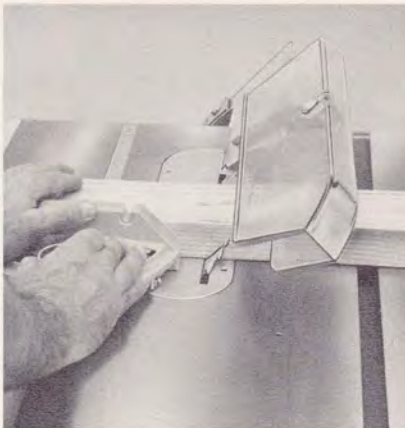
Giant Rip Capacity. Extra Long Guide Bars expand the rip capacity of the Delta 10" Unisaw to the center of a 100" panel. Give you the extra rip capacity usually found only on much larger and much more expensive saws. This low-cost accessory (No. 34-472) makes the Delta Unisaw the ideal machine for ripping large, bulky panels and other hard-to-handle materials. Note: Standard guide bars furnished with machine are used as supports for Extra Long Guide Bars.



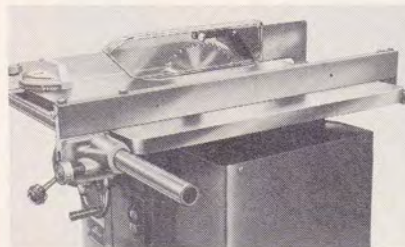
Large, Specially Designed Table. Big 27 x 36" cast iron table (with wings) has accurately ground face for precision work. Table and wings are scientifically ribbed to prevent warping and springing.



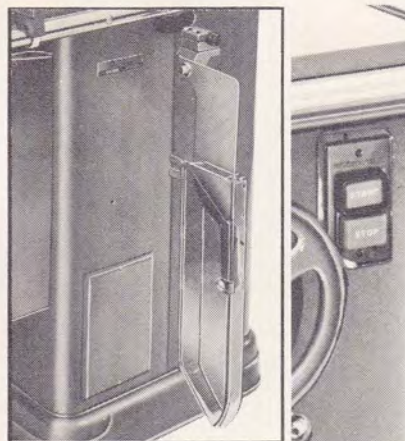
Modern T-Slot Table. T-slots on either side of saw blade hold miter gage securely, even beyond front of table. They provide accurate support for work up to 25½" on 1" stock. Miter gage can't twist or fall out.



Correct Blade Tilt. Unlike some competitive saws, the blade on the Rockwell Delta 10" UNISAW® tilts to the right, away from the operator's hands. This assures greater safety for the operator because most people prefer to work on the left side of the blade.

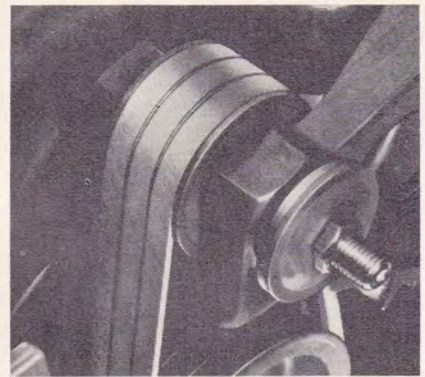


Exclusive Jet-Lock, Micro-Set® Rip Fence. Single control handle automatically aligns fence parallel to blade as it simultaneously locks to front guide rail, then, fence locks securely to rear guide bar. Fits old model UNISAWS and No. 1160 10" Tilting Table Saws. To order, see your Rockwell Delta Industrial Distributor.

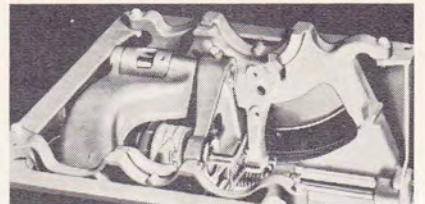


(Left) **Swing Type Safety Guard.** "See-Thru" blade guard quickly swings down, out of the way for dadoing and moulding operations. Never necessary to detach from machine.

(Right) **Exclusive Rockwell Safety Control Station.** Shrouded green "start" button prevents accidental starts while protruding red "stop" button is extra large for quick, emergency stops. Switch cover and buttons are made of non-conductive material for added safety.



Positive Traction, Three-Belt Drive. Three-belt drive makes use of all power from the motor—eliminates vibration and assures smooth operation. You get no loss of power through belt slippage.



Widely Spaced, Massive Trunnions. The heavy trunnions that carry the saw carriage are machined from fine-grained cast iron and are completely adjustable to insure perfect alignment.



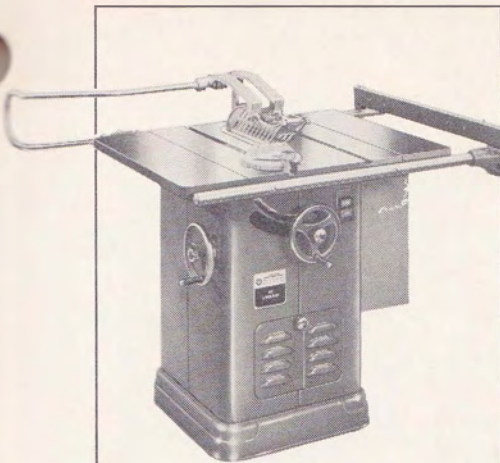
Conveniently Placed Controls. Hand wheels are located at convenient height and proper position for easy operation. No interference between controls. Knobs in center of wheels lock mechanism at desired settings.

DELTA QUALITY EXTRAS

- New power with specially engineered 1½, 2 or 3 HP motor, plus the power transmission efficiency of famous 3-belt drive.
- Unique, extra safe saw guard—the UNIGUARD.
- Exclusive JET-LOCK Rip Fence.
- Sealed, lubricated-for-life ball bearings.
- Graduated front guide bar.
- Preferred tubular ripping extension.
- Precision ground, stress proof arbor, flange faced after assembly.
- Large door in front of base for easy removal of saw dust.

ROCKWELL DELTA INDUSTRIAL WOODWORKING MACHINES

ROCKWELL DELTA 10" TILTING ARBOR UNISAW®



No. 34-466 10" UNISAW®
Shown With Accessory 34-843
Motor Cover and Electricals.



No. 34-461 10" UNISAW®
Shown With Accessory 34-843
Motor Cover and Electricals.

**Rips to Center of
a 50" Panel . . . 100" Panel
with Long Guide Bars . . .
Cuts Stock 3 1/8" Thick**

The Rockwell Delta 10" UNISAW is a rugged, big capacity saw at an unmatched dollar-for-dollar value. It is the most popular cabinet model saw on the market today, used in a majority of the nation's schools and in thousands of millwork, furniture, cabinet and home workshops.

The tremendous acceptance of the UNISAW results from the fact that it offers these essential advantages to every user, on the job:

Rugged Durability. Massive table is fully ribbed to prevent distortion—carriage swings on strong, heavy trunnions with working surfaces fully machined . . . triple V-belt drive transmits full power and reduces vibration.

Versatility. With the Rockwell Delta UNISAW you can do precision ripping and cross cutting, plus dadoing, moulding and tenoning, all with complete accuracy even on a production basis.

Complete Safety. Drive mechanism, including all belts, is completely contained in the steel cabinet. Unique UNIGUARD provides full protection for all saw operations . . . has practically no operational limitations. Patented JET-LOCK Micro-Set® rip fence automatically aligns itself as it locks to the front guide rail, then locks securely to the rear guide bar, all with one swift downward movement of the operating handle.

STANDARD EQUIPMENT

Basic 10" Tilting Arbor UNISAW® furnished with blade guard, JET-LOCK rip fence, combination blade, miter gage, front graduated guide bar, rear guide bar, table insert, motor pulley with 3/4" bore and set of three matched V-belts.

MACHINE DATA

Diameter of Arbor	5/8"
Diameter of Saw Blade	10"
Capacities:	
Maximum Depth of Cut	3 1/8"
Maximum Rip to Right of Blade	.25"
Maximum Rip to Right of Blade with Extra Long Guide Bars (Accessory)	.50"
Maximum Rip to Left of Blade	15 1/2"
Maximum Thickness of Cut at 45°	2 1/8"
Distance, Front of Table to Center of Blade	16 1/16"
Table in Front of Saw Blade at Maximum Cut	12 1/4"
Maximum Width of Dado	1 3/16"

Table:

Height	34"
Size	20 x 27"
Size with Extension Wings	36 x 27"
T-slot Miter Gage Groove	5/8" x 3/4"

Overall Dimensions

(With Wings and Guide Bars)
35 3/4" deep x 45 3/8" wide x 36 3/4" high

Rip Fence Locked Both Front and Back by Single Handle at Front of Machine

Speed with 3450 RPM Motor. .4000 RPM

CATALOG LISTING

No. 34-460 Basic Machine With "See-Thru" Blade Guard Less Extension Wings: Includes 10" Tilting Arbor UNISAW®, 34-639 "See-Thru" splitter-mounted guard, JET-LOCK rip fence, 34-105 (old 1015) combination blade, 34-884 miter gage, front graduated guide bar, rear guide bar, 34-154 (old 1451) table insert, 41-644 motor pulley (3/4" bore) and 49-124 set of three matched V-belts. Without motor & switch. 326 lbs.

No. 34-461 Basic Machine With "See-Thru" Blade Guard and Extension Wings: Same as 34-460 but with 34-545 (old 1455) pair of extension wings. Without motor and switch. 375 lbs.

No. 34-465 Basic Machine With UNIGUARD Less Extension Wings: Includes 10" Tilting Arbor UNISAW®, 34-885 UNIGUARD, JET-LOCK rip fence, 34-105 (old 1015) combination blade,

Continued on next page

MOTORS AND CONTROLS (Factory Mounted and Wired)

MOTOR	MOTOR CONTROL	MOTOR ENCLOSURE	HERTZ AND MOTOR RPM	MOTOR VOLTAGE	SHIPPING WT., LBS.	CATALOG NUMBER	CAT. NO. 200V
Single Phase, 1 1/2 Horsepower	Push Button Switch Only	TEFC	60—3450	115/230	60	49-812	
	Push Button and Overload Switches	TEFC	60—3450	115/230	63	49-813	
	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60—3450	115/230	68	49-814	
Single Phase, 2 Horsepower	Push Button Switch Only	TEFC	60—3450	115/230	70	49-815	
	Push Button and Overload Switches	TEFC	60—3450	115/230	73	49-816	
	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60—3450	115/230	78	49-817	
Single Phase 3 Horsepower	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60—3450	115/230	91	49-819	
Three Phase, 2 Horsepower	Push Button Switch and Magnetic Starter	TENV	60—3450	230/460	67	49-821	52-048
	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TENV	60—3450	230/460	71	49-822	52-049
	Push Button Switch and Magnetic Starter	TEFC	60—3450	230/460	77	49-824	52-087
Three Phase, 3 Horsepower	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60—3450	230/460	81	49-825	52-088

NOTE: Single phase 1 1/2 HP electricals will be supplied wired for 230 V, unless 115 V is specified. Single phase 2 HP electricals will be supplied wired for 230 V only. Three phase electricals will be supplied wired for 230 V, unless 460 V is specified. Power Cord and Plug supplied on 1 1/2 HP single phase UNISAWs only. Motors and Motor Controls for Rockwell

Delta 10" UNISAWs may be ordered unmounted. For listing, see Sections P and Q. †No. 49-000 "JIC" Type Control Kit. Specify this Catalog Number, in addition to Three Phase Cat. No. 49-822 or 49-825, in order to obtain 10" UNISAWs with "JIC" type electricals, factory mounted and wired.

ROCKWELL DELTA INDUSTRIAL WOODWORKING MACHINES

ROCKWELL DELTA 10" TILTING ARBOR UNISAW®

CATALOG LISTING—Continued

34-884 miter gage, front graduated guide bar, rear guide bar, 34-154 (old 1451) table insert, 41-644 motor pulley ($\frac{3}{4}$ " bore) and 49-124 set of three matched V-belts. Without motor and switch. 330 lbs.

No. 34-466 Basic Machine With UNIGUARD and Extension Wings: Same as 34-465 but with 34-545 (old 1455) pair of extension wings. Without motor and switch. 379 lbs.

No. 34-885 UNIGUARD, for all Rockwell Delta 10" UNISAWS®. Includes table mounting bracket, support arm, two bracket arms, two guards, plastic shield, splitter assembly with anti-kickback fingers and instructions for mounting. 15 lbs.

No. 34-639 "See-Thru" Swing-Type, Splitter-Mounted Blade Guard complete with spring-loaded anti-kickback fingers. 8 lbs.

ACCESSORIES

Saw Blades (with $\frac{5}{8}$ " arbor hole. Each 1 $\frac{1}{2}$ lbs.)

NUMBER	TYPE	DIAMETER
34-105 (old 1015)	Combination	10"
34-016 (old 1016)	Hollow Ground	10"
34-017 (old 1017)	Rip	10"
34-018 (old 1018)	Cross Cut	10"
34-707	Plywood (200 teeth) For fine finish work.	7"

Carbide-Tipped Combination. Recommended for general purpose use on hard or soft woods, certain plastics, laminates. Each tooth has an alternate top bevel grind (ATB). Entire blade is hard chrome finished.

NUMBER	ARBOR	TEETH	DIAMETER
34-840	$\frac{5}{8}$ "	24	9"
34-841	$\frac{5}{8}$ "	24	10"

No. 34-154 (old 1451) Standard Table Insert. 1 $\frac{3}{4}$ lbs.



No. 34-254 (old 1452) Dado Head Table Insert (for 6" diameter dado heads only). 1 $\frac{1}{2}$ lbs.

No. 34-453 (old 1453) Moulding Cutter-head Table Insert. 1 $\frac{1}{2}$ lbs.

No. 34-525 (old 1525) Arbor Wrench, $\frac{7}{8}$ " open end and $\frac{3}{8}$ " hex box. 1 lb.

No. 34-545 (old 1455) Side Extension Wings to make table 36 x 27" (per pair). 49 lbs.

No. 34-472 Extra Long Guide Bars that permit ripping to center of a 100" panel. 22 lbs.

No. 34-843 Motor Cover with mounting hardware. 13 lbs.

No. 41-644 Motor Pulley, 3-groove, $\frac{3}{4}$ " bore. 4 lbs.

No. 49-124 V-Belts, matched set of three, 26 $\frac{1}{4}$ " O.C. 1 $\frac{1}{2}$ lbs.

For additional saw accessories, see Section G6.

Revolutionary UNIGUARD for all Rockwell Delta UNISAWS®

- A Completely Safe Saw Guard
- Has Practically No Operational Limitations
- Permits Ripping to the Center of a 50" Panel

In industry, the building trades, custom and school shops, users express the same requirements of a saw guard. It must provide full protection for all saw operations; it should be easy to use; it should be easy to remove and replace.

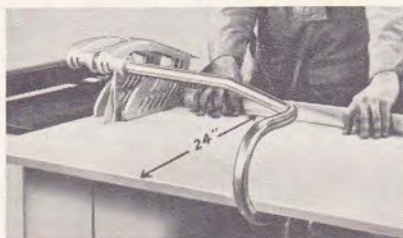
The Rockwell Delta UNIGUARD meets all of these requisites and more! Here's why:

Gives complete protection for all operations. ■ Mounts easily without special machining. ■ Unique, double basket with "disappearing" splitter makes even rabbeting operations safe. ■ Splitter has anti-kickback protection feature. ■ Fixed splitter maintains perfect alignment with saw blade at all times. ■ "Clear-View" basket offers excellent visibility for every operation. ■ Offers extra large capacity with maximum safety. ■ Low in cost... less than half the price of comparable guards.

CATALOG LISTING

No. 34-885 UNIGUARD, for all Rockwell Delta UNISAWS®. Includes table mounting bracket, support arm, two bracket arms, two guards, plastic shield, splitter assembly with anti-kickback fingers and instructions for mounting. 15 lbs.

**PROVIDES GREATER SAFETY
FOR THESE AND MANY OTHER JOBS!**

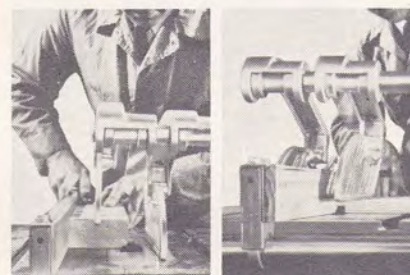


Big Cut-Off Capacity—Modern, operator-engi-



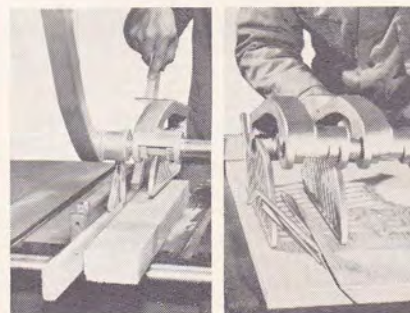
Unique Disappearing Splitter. For dadoing and similar operations, flip basket up, remove saw insert and depress splitter... a two-second operation. For ripping or cross-cutting, reverse this easy, quick operation.

neered UNIGUARD provides unusually wide cut-off capacity. With miter gauge extended to end of T-slot, operator can cut off stock up to two feet wide.



(Left) **Moulding**—UNIGUARD affords excellent operator protection for all jobs, even when the "disappearing" splitter is not required. Split basket design permits basket to raise up onto stock while other basket stays on table for maximum operator protection.

(Right) **Rabbeting**—This close-to-fence operation heretofore could not be performed with a conventional guard. The UNIGUARD's "disappearing" splitter and lateral adjustment feature make it completely safe.



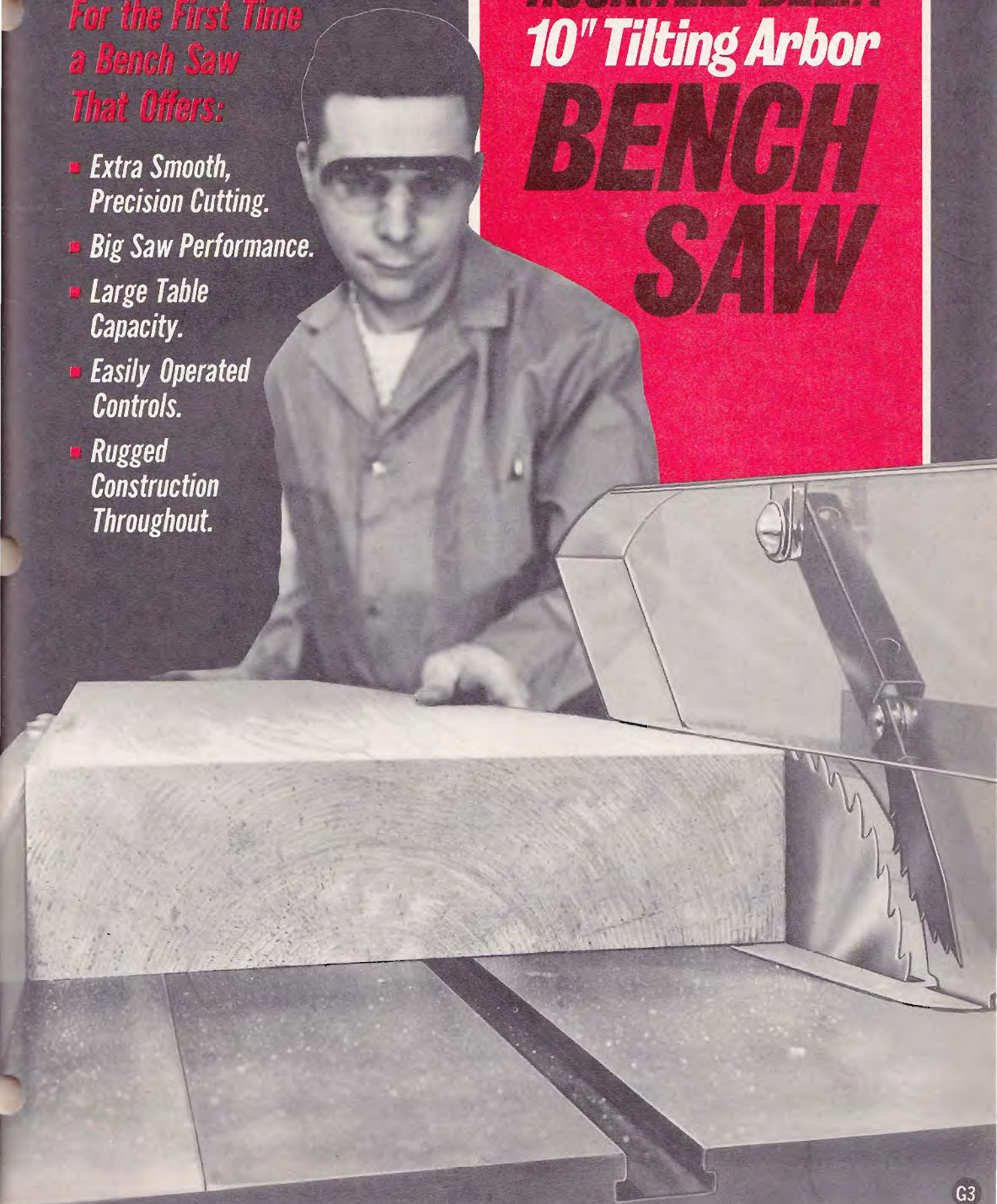
(Left) **Ripping Thin Stock**—Special split basket design permits use of push stick between rip fence and adjustable plastic shield. Splitter fingers prevent kickback of stock.

(Right) **Angle Cutting**—UNIGUARD's retractable splitter tilts with the arbor while the "CLEAR-VIEW" basket remains stationary. Provides operator increased visibility.

NOW!
*For the First Time
a Bench Saw
That Offers:*

- Extra Smooth,
Precision Cutting.
- Big Saw Performance.
- Large Table
Capacity.
- Easily Operated
Controls.
- Rugged
Construction
Throughout.

ROCKWELL DELTA 10" Tilting Arbor BENCH SAW

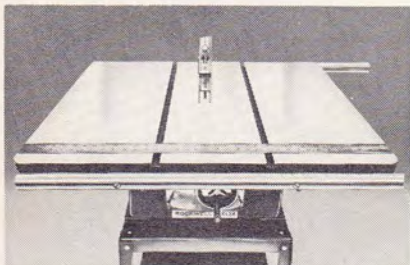


ROCKWELL DELTA 10" TILTING ARBOR BENCH SAW

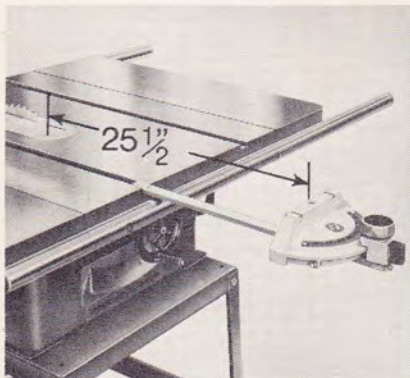
**DELTA QUALITY FEATURES
THAT ASSURE TOP QUALITY
SAW PERFORMANCE!**



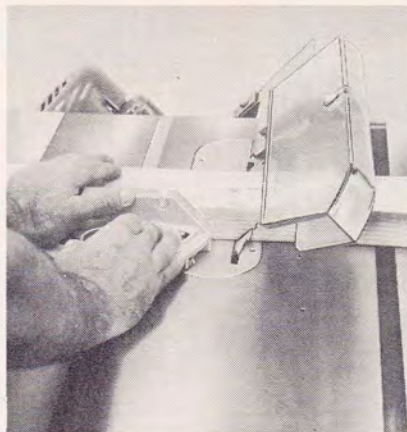
Big Saw Capacities. This new Delta saw offers capacities not usually found in bench saws—cuts stock $3\frac{1}{8}$ " thick . . . rips to center of a 50" panel, 100" with Extra Long Guide Bars (accessory).



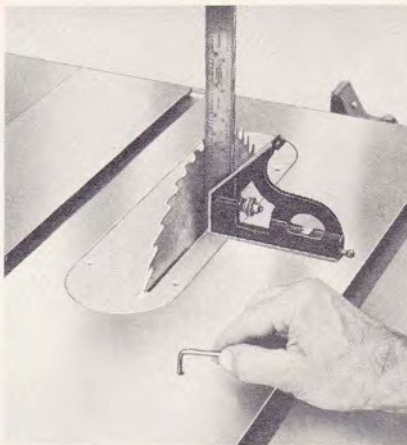
Extra Large Table Surface. Big 36" x 27" table (with wings) provides extra support for handling large panels. Precision ground table is scientifically ribbed to prevent warping and distortion.



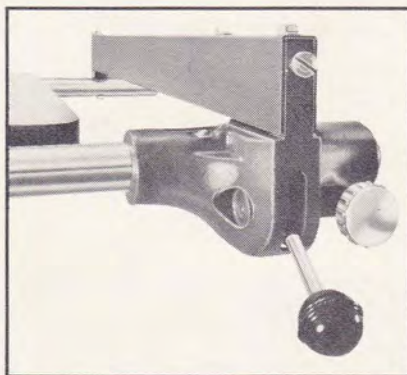
Preferred T-Slot Table. T-slots on either side of saw blade hold miter gage securely, even beyond front of table. They provide accurate support for work up to $25\frac{1}{2}$ " on 1" stock. Miter gage can't twist or fall out.



Correct Blade Tilt. Unlike some competitive saws, the blade on the Rockwell Delta 10" Bench Saw tilts to the right, away from the operator's hands. This assures greater safety for the operator because most people prefer to work on the left side of the blade.



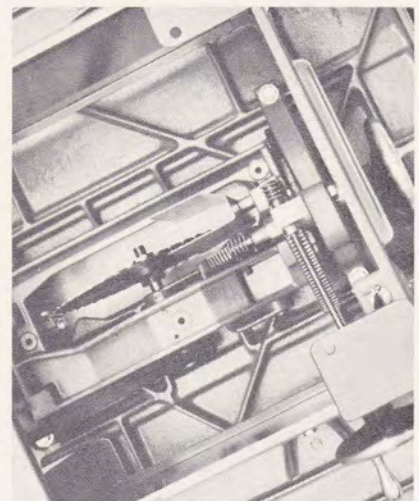
Adjustable, Positive Stops on Table. Saw blade stops can be adjusted for perfect 90° and 45° settings on the top of the table. Saw blade insert contains similar adjusting screws for levelling insert in place.



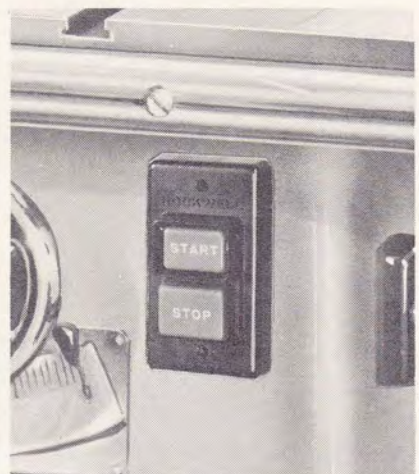
Exclusive Jet-Lock Rip Fence. Single control handle automatically aligns fence parallel to blade as it simultaneously locks to front guide rail, then, fence locks securely to rear guide bar. Fits old model UNISAWS and No. 1160 10" Tilting Table Saws. To order, see your Rockwell Delta Industrial Distributor.



Conveniently Grouped Controls. All controls are grouped "up front" for fast, safe operation. Smooth functioning rack and gear mechanism makes it easy to raise, tilt and lower saw blade while 3-spoke lock holds desired saw settings.



Rugged Interior Construction. The heavy trunnions support a large cast iron trunnion bracket which carries the arbor assembly. Note husky rack and gear mechanism that assures smooth, easy positioning of saw blade.



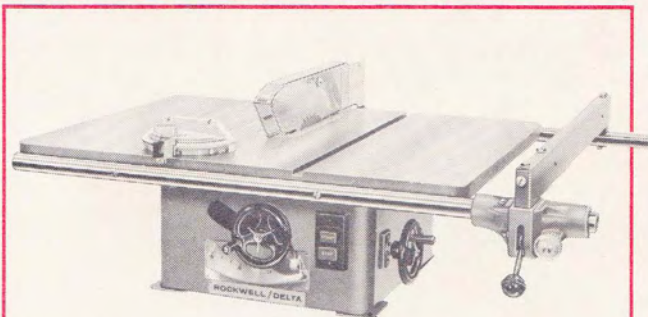
Exclusive Rockwell Safety Control Station. Shrouded green "start" button prevents accidental starts while protruding "red" stop button is extra large for quick, emergency stops. Switch cover and buttons are made of non-conductive material for added safety.

ROCKWELL DELTA 10" TILTING ARBOR BENCH SAW



10" Tilting Arbor Bench Saw. Shown with Accessory 50-315 Steel Stand, 34-545 (old 1455) Table Extension Wings, 49-364 Retractable Casters and Electricals.

Also Made in Canada.



10" Tilting Arbor Bench Saw. Shown with Accessory 34-545 (old 1455) Table Extension Wings and Electricals.

Every user, from industry to the cabinet or school shop, wants a saw that will provide these important features—big capacity . . . large table surface . . . quick operating, self-aligning fence . . . conveniently grouped controls . . . plus rugged interior construction.

You get *all* these features, and more, with the Rockwell Delta 10" Tilting Arbor Bench Saw!

Let us demonstrate this new *standard* in bench saws for you today . . . prove that it's the **BIGGEST VALUE** in its class!

STANDARD EQUIPMENT

Basic 10" Tilting Arbor Bench Saw furnished with splitter-mounted blade guard, JET-LOCK rip fence, combination blade, miter gage, front graduated guide bar, rear guide bar, table insert, motor pulley with $\frac{5}{8}$ " bore and V-belt.

MACHINE DATA

Diameter of Arbor $\frac{5}{8}$ "
Diameter of Saw Blade 10"

Capacities:

Maximum Depth of Cut $3\frac{1}{8}$ "
Maximum Rip to Right of Blade 25"
Maximum Rip to Right of Blade with Extra Long Guide Bars (Accessory) 50"
Maximum Rip to Left of Blade $15\frac{1}{2}$ "
Maximum Thickness of Cut at 45° $2\frac{1}{8}$ "
Distance, Front of Table to Center of Blade $16\frac{1}{16}$ "
Table in Front of Saw Blade at Maximum Cut $12\frac{1}{4}$ "
Maximum Width of Dado $1\frac{3}{16}$ "

Table:

Height (Bench Model) $12\frac{1}{4}$ "
Height (On Steel Stand) $33\frac{1}{2}$ "
Size 20 x 27"
Size with Extension Wings 36 x 27"
T-slot Miter Gage Groove $\frac{3}{8}$ x $\frac{3}{4}$ "

Overall Dimensions

(With Wings and Guide Bars) $30\frac{1}{4}$ " x $45\frac{3}{8}$ "

Rip Fence Locked Both Front and Back by Single Operating Handle at Front of Machine

Speed with 3450 RPM Motor 4000 RPM

Shipping Weight 158 lbs.

CATALOG LISTING

No. 34-426 Basic Machine Less Extension Wings: Includes 10" Tilting Arbor Bench Saw, splitter-mounted blade guard, JET-LOCK rip fence, 34-105 (old 1015) combination blade, 34-884 miter gage, front graduated guide bar, rear guide bar, 34-154 (old 1451) table insert, 41-203 motor pulley with $\frac{5}{8}$ " bore and 49-145 V-belt. Without motor and switch. 158 lbs.

MOTORS AND CONTROLS

FOR SINGLE PHASE OPERATION

No. 62-128 Motor, 1 HP, capacitor, 115/230 V, 60 hz, AC, 3450 rpm, TEFC. Without switch or power cord. 32 lbs.

No. 62-129 Motor, $1\frac{1}{2}$ HP, capacitor, 115/230 V, 60 hz, AC, 3450 rpm, TEFC. Without switch or power cord. 37 lbs.

No. 34-891 Push Button Manual Control Switch and Wiring Kit. For use with 62-128 or 62-129 Motor (also can be used on DC motors). Supplied with 3-conductor cord with 115 V grounding type plug. 2 lbs.

FOR THREE PHASE OPERATION

No. 66-040 Motor, 1 HP, 230/460 V, 60 hz, AC, 3450 rpm, TEFC. Without switch or power cord. 28 lbs.

No. 66-041 Motor, $1\frac{1}{2}$ HP, 230/460 V, 60 hz, AC, 3450 rpm, TEFC. Without switch or power cord. 44 lbs.

No. 49-665 Starter, Magnetic. For 60 hz, 200-230/460 V. Provides low-voltage, no-voltage and overload protection. Does not include start-stop station; use No. 34-892 Remote Control Kit. Easy to mount on steel stand with 49-848 Mounting Bracket. Specify motor number and voltage when ordering. 6 lbs.

No. 34-893 Push Button Manual Control Switch and Wiring Kit for use with 66-040 or 66-041 Motor (also can be used with DC motors). 2 lbs.

No. 34-892 Push Button Magnetic Control Switch and Wiring Kit for use with 66-040 or 66-041 Motor and 49-665 Magnetic Starter. 2 lbs.

No. 49-848 Mounting Bracket. Includes screws for mounting 49-665 Magnetic Starter on steel stand. 2 lbs.

Continued on next page

ROCKWELL STATIONARY POWER TOOLS FOR THE BUILDING TRADES

ROCKWELL DELTA 10" TILTING ARBOR BENCH SAW

CATALOG LISTING—Continued

CONVENIENT ONE-NUMBER ORDERING

(Shipped in Individual Cartons)

FOR SINGLE PHASE OPERATION

No. 34-427 10" Tilting Arbor Bench Saw complete. Includes 34-426 Saw with 34-545 (1455) Pair of Side Extension Wings, 50-315 Steel Stand, 62-128 1 HP Motor and 34-891 Manual Control Switch and Wiring Kit. 301 lbs.

No. 34-429 10" Tilting Arbor Bench Saw complete. Same as No. 34-427 but with No. 62-129 1½ HP motor. 302 lbs.






FOR THREE PHASE OPERATION

No. 34-428 10" Tilting Arbor Bench Saw complete. Includes 34-426 Saw with 34-545 (1455) Pair of Side Extension Wings, 50-315 Steel Stand, 66-040 1 HP Motor, with factory mounted and wired 24 V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection. 340 lbs.

No. 34-430 10" Tilting Arbor Bench Saw complete. Same as No. 34-428 but with No. 66-041 1½ HP motor. 346 lbs.

DELTA QUALITY ACCESSORIES THAT INCREASE THE VALUE OF THE 10" BENCH SAW

Saw Blades (with 5/8" arbor hole. Each 1½ lbs.)

NUMBER	TYPE		DIAMETER
34-105 (old 1015)	Combination		10"
34-016 (old 1016)	Hollow Ground		10"
34-017 (old 1017)	Rip		10"
34-018 (old 1018)	Cross Cut		10"
34-707	Plywood (200 teeth) For fine finish work.		7"

Carbide-Tipped Combination. Recommended for general purpose use on hard or soft woods, certain plastics and laminates. Each tooth has an alternate top bevel grind (ATB). Entire blade is hard chrome finished.

NUMBER	ARBOR	TEETH	DIAMETER
34-840	5/8"	24	9"
34-841	5/8"	24	10"

No. 34-154 (old 1451) Standard Table Insert1¾ lbs.

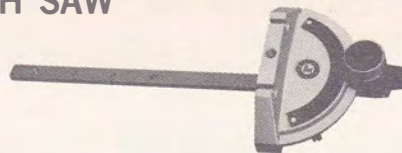


No. 34-254 (old 1452) Dado Head Table Insert
(for 6" diameter dado heads only)1½ lbs.

No. 34-453 (old 1453) Moulding Cutterhead Table Insert
.....1½ lbs.

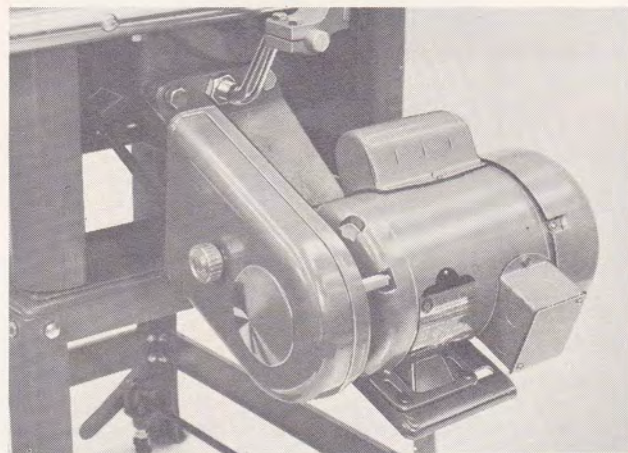
No. 34-545 (old 1455) Side Extension Wings to make table
36" x 27" (per pair)49 lbs.

No. 34-472 Extra Long Guide Bars that permit ripping to
center of a 100" panel22 lbs.



No. 34-884 Auto-Set® Miter Gage. For straight and angle operations. Has 3/8 x 3/4 x 18" guide bar and pivoting work support body with pointer and calibrations reading through 120° swing. Adjustable, positive stops at 90° and 45° positions are quickly selected by means of a new, fast operating stop block. Body slotted for quick mounting of auxiliary face plate. Accommodates No. 34-568 (old 865) Clamp Attachment. 3½ lbs.

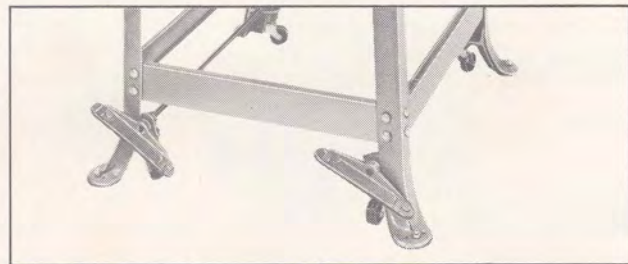
No. 34-641 "See-Thru" Splitter-Mounted Blade Guard complete with spring-loaded anti-kickback fingers. 8 lbs.



No. 34-886 Belt Guard. Encloses entire V-belt and motor pulley, preventing small pieces of stock from striking and damaging the belt or pulley during operation. . . .4 lbs.

No. 41-203 Motor Pulley, 5/8" bore, 3" diameter,
for 3450 rpm motors.2 lbs.

No. 49-145 V-belt, 46" O.C., for 62-731, 62-751, 66-739
and 66-759 Motors.½ lb.




No. 49-364 Retractable Caster Set.13 lbs.

No. 50-315 Steel Stand, 24" high with 20 x 22½" top. .47 lbs.

For additional accessories, see Section G6.

ROCKWELL DELTA INDUSTRIAL DISTRIBUTORS

Your local Industrial Distributor, who makes Rockwell Delta Industrial Machines and Accessories conveniently available to you, also can assist you with expert application engineering. He is as close to you as your phone. He is always willing to help you by making prompt, emergency deliveries of hundreds of items which could prevent costly shutdowns and delays. Depend on him for all of your industrial requirements, just as Rockwell does at all of its plant locations.



Rockwell Delta DELUXE 9" TILTING ARBOR BENCH SAW

An economically priced saw that's especially suited for the small builder, cabinet or pattern maker, school shop instructor or homecraftsman.

Here's why:

Big Capacity—Provides 2 $\frac{3}{4}$ " depth of cut . . . long guide rails (furnished as standard equipment) permit ripping to the center of a 4-foot panel.

Convenient Controls—Tilt scale and raising and tilt-

ing controls are compactly grouped for quick, easy operation.

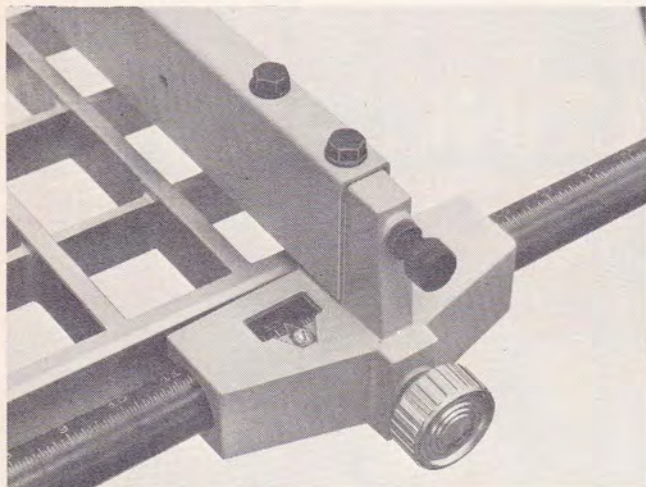
Excellent Rip Fence Design—Fence is self-aligning . . . it is locked to guide bars with up-front controls.

Unmatched Versatility—Rockwell Delta's wide range of accessories enables you to do dozens of jobs—moulding, dadoing, tenoning, curve cutting and many more.

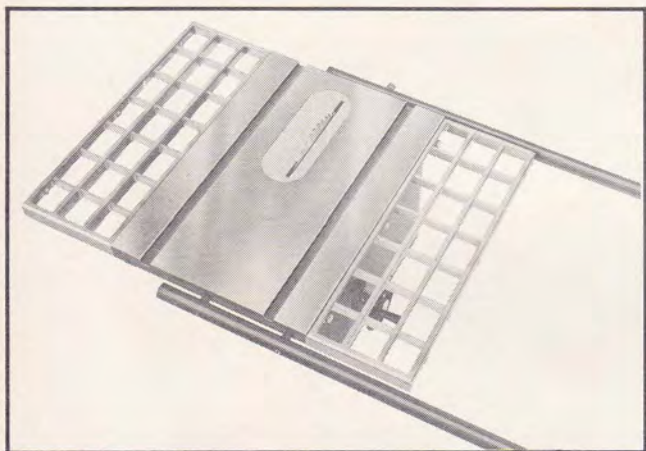
ROCKWELL STATIONARY POWER TOOLS FOR THE BUILDING TRADES

ROCKWELL DELTA DELUXE 9" TILTING ARBOR CIRCULAR SAW

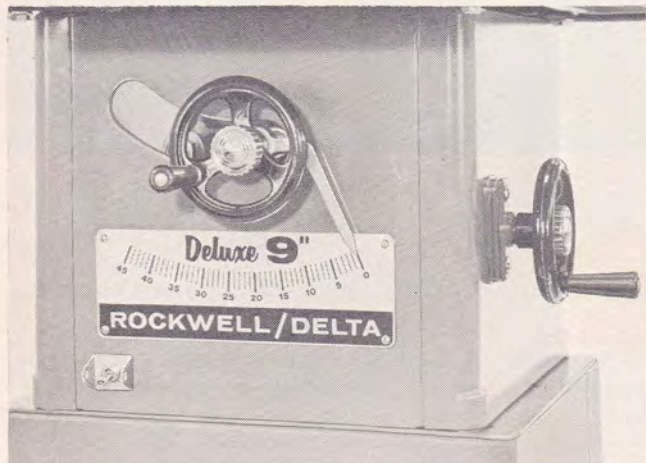
**DELTA QUALITY FEATURES
FOR UNMATCHED ACCURACY,
SAFETY AND CONVENIENCE**



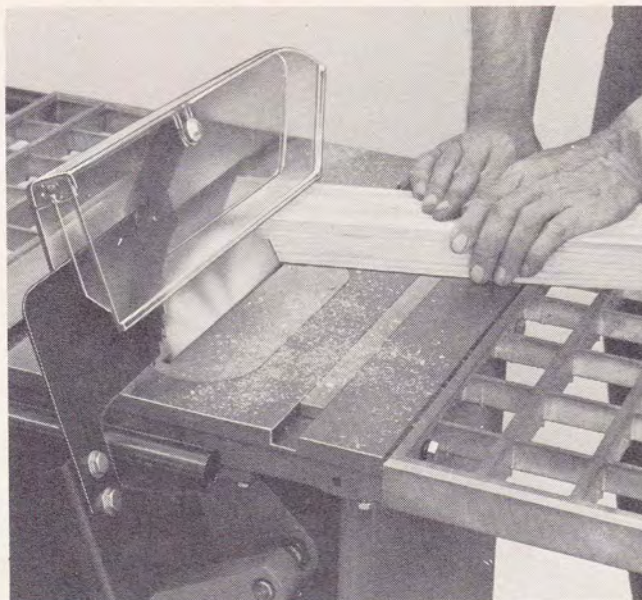
Self-aligning rip fence—with up-front controls, it automatically aligns itself parallel to the blade as it is locked to the guide bars.



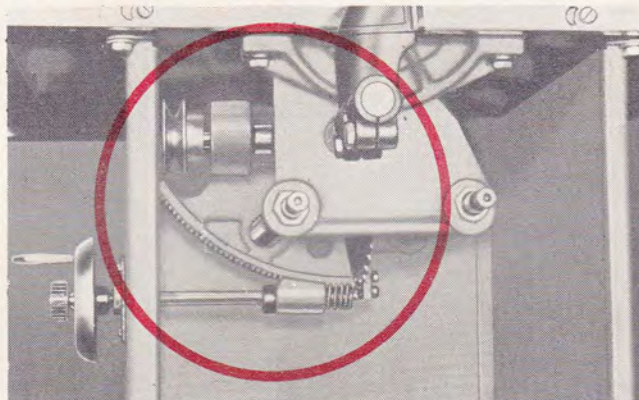
Precision ground 22" x 15" table. (22" x 30" with grid-type extensions), it is scientifically ribbed to prevent warping. Furnishes ample support for ripping large, bulky panels or other hard-to-handle materials.



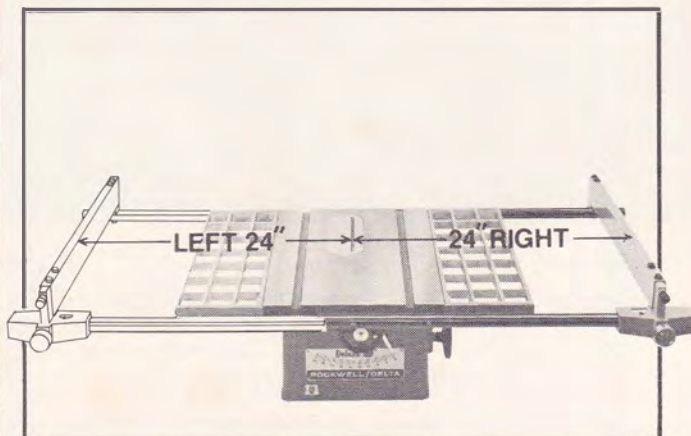
Blade raising and tilting controls located up-front within easy operator reach for fast, safe operation . . . easy-to-read tilt scale facilitates angle settings . . . protected on-off switch prevents accidental starts.



Big 9" blade cuts stock a full $2\frac{3}{4}$ " thick; angle cuts 2" at 45°. Rips to the center of a 48" panel with standard guide bars provided. Blade tilts away from operator's hand.



Positive action rack and worm gear, blade elevating and tilting mechanism out-performs and out-wears cheap threaded screw and nut arrangements of competitive saws.

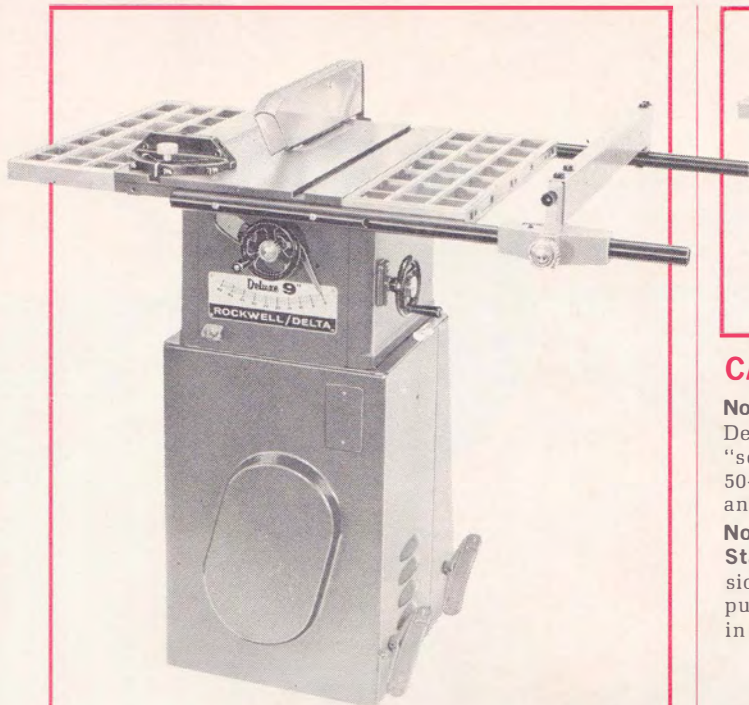


Big rip capacity—unique repositioning feature of guide bars permits ripping a full 24" to the right as well as to the left of the blade.

Preloaded, lubricated-for-life ball bearings with precision bored bearing seats and accurately ground arbor assure longer trouble-free operation, better all-around performance.

ROCKWELL STATIONARY POWER TOOLS FOR THE BUILDING TRADES

ROCKWELL DELTA DELUXE 9" TILTING ARBOR CIRCULAR SAW



Deluxe 9" Circular Saw (Floor Model). Shown with Accessory 50-111 Retractable Casters.

The Delta Deluxe 9" Tilting Arbor was built with just one thought in mind—to produce a machine that would offer precision accuracy, big capacity, maximum convenience and more built-in value than any similar saw on the market today—all at exceedingly low cost!

You will agree when you check its many fine features such as $2\frac{3}{4}$ " depth of cut . . . large 22" by 30" table (with extension wings) . . . handy up-front fence and blade controls . . . precision bored bearing seats . . . sealed, lubricated-for-life ball bearing construction throughout . . . and more.

Although low in cost, this fine Delta saw offers all of the accuracy, rigidity, power and ease of operation needed to make it an ideal unit for the building trades and the discriminating home craftsmen.

MACHINE DATA

Speed (with 3450 RPM Motor) 3800 RPM

Blade:

Diameter 9"
Arbor $\frac{5}{8}$ "

Capacity:

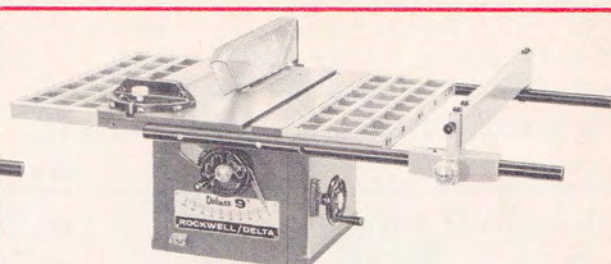
Depth of Cut $2\frac{3}{4}$ "
Depth of Cut at 45° 2"
Rip 24" right or left of blade

Table

Size 22" x 15" Wide
Size (w/grid-type extension wings) 22" x 30" Wide
In Front of Blade 11 $\frac{1}{4}$ "
Table Height on Stand 34 $\frac{1}{2}$ "

Overall Dimensions:

Width 37 $\frac{1}{2}$ "
Height 17 $\frac{1}{2}$ "
Front to Back 36"



Deluxe 9" Circular Saw (Bench Model). Shown with Accessory 34-601 Table Extensions and Electricals.

CATALOG LISTING

No. 34-643 Basic Machine Less Extension Wings: Includes Deluxe 9" Tilting Arbor Bench Saw, 34-636 splitter-mounted "see-thru" blade guard, rip fence, 34-708 combination blade, 50-864 miter gage, guide bars, 34-661 table insert, arbor pulley and wrenches. Without motor and switch. 91 lbs.

No. 34-644 Deluxe 9" Circular Saw With Extension Wings and Stand: Same as 34-643, except with two 34-601 table extensions, 50-810 open steel stand, 49-152 V-belt and 41-023 motor pulley with $\frac{5}{8}$ " bore. Without motor and switch. Shipped in individual cartons. 120 lbs.

CONVENIENT ONE-NUMBER ORDERING

(Shipped in Individual Cartons)

FOR 115 V, 60 CYCLE, SINGLE PHASE

No. 34-645 Deluxe 9" Circular Saw Complete. Includes 34-643 Bench Saw, two 34-601 table extensions, 50-810 open steel stand, 62-253 $\frac{3}{4}$ HP motor with remote control switch, 49-152 V-belt and 41-023 motor pulley. 213 lbs.

No. 34-646 Deluxe 9" Circular Saw Complete. Same as No. 34-645, except with 62-273 1 HP motor. 216 lbs.

No. 34-648 Deluxe 9" Circular Saw Complete. Same as No. 34-645, except with 50-127 enclosed steel stand. 225 lbs.

No. 34-647 Deluxe 9" Circular Saw Complete. Same as No. 34-645, except with 50-127 enclosed steel stand and 62-273 1 HP motor. 228 lbs.

BASIC ACCESSORIES

No. 41-023 Motor Pulley, $2\frac{1}{2}$ " diameter, $\frac{5}{8}$ " bore. $\frac{1}{2}$ lb.

No. 49-152 V-belt, 36 $\frac{1}{8}$ " O.C. $\frac{1}{2}$ lb.

No. 50-810 Open Steel Stand. 21 $\frac{1}{2}$ " high. 32 lbs.

No. 50-127 Enclosed Steel Stand. 23 $\frac{1}{2}$ " high. 44 lbs.

No. 49-362 Retractable Casters. For No. 50-810 Stand. 12 lbs.

No. 50-111 Retractable Casters. For No. 50-127 Stand. 11 lbs.

No. 34-636 Splitter-Mounted, "See-Thru" Blade Guard with anti-kickback fingers. 8 lbs.

No. 34-671 Super-Safe Blade Guard. With splitter and anti-kickback attachment. 12 lbs.

No. 34-965 Belt and Pulley Guard. 3 lbs.

No. 34-601 Table Extension , Open grid type, 22" x 7 $\frac{1}{2}$ ". Two extensions required to increase table size to 22" x 30". 5 lbs.

No. 34-974 Table Extensions, solid type, set of two, 22" x 5". Increases saw table size to 22" x 25". 25 lbs.

No. 50-864 Auto-Set® Miter Gage. For straight and angle operations. Has $\frac{3}{4}$ x $\frac{3}{8}$ x 18" guide bar and pivoting work support body with pointer and calibrations reading through 120° swing. Adjustable, positive stops at 90° and 45° positions are quickly selected. Body slotted for quick mounting of auxiliary face plate. Accommodates No. 34-568 (old 865) Clamp Attachment. 3 $\frac{1}{2}$ lbs.

No. 34-661 Standard Table Insert. Included with basic machine. 2 lbs.



No. 34-965 Belt and Pulley Guard

ROCKWELL STATIONARY POWER TOOLS FOR THE BUILDING TRADES






ROCKWELL DELTA DELUXE 9" TILTING ARBOR CIRCULAR SAW

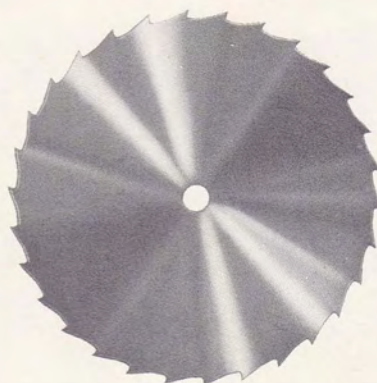
ACCESSORY EQUIPMENT

No. 34-662 Moulding Cutterhead Table Insert. 1 lb.

No. 34-663 Dado Head Table Insert. 1 lb.

SAW BLADES All with $\frac{5}{8}$ " diameter arbor hole. 1½ lbs. each

No.	Type	Diam.
34-708	 Combination	9"
33-198	 Rip	9"
33-223	 Cross Cut	9"
33-227	 Hollow Ground	9"
34-707	 Plywood (200 teeth)	7"
34-840	Carbide-Tipped Comb. (24 teeth)	9"



New Hard Tooth Combination
(Stays Sharp seven times longer)
(30 Teeth—Taper Ground)

Tapered from hub to edge, this thin-kerf blade practically eliminates "climbing" or "digging in." Fast cutting, it will miter, crosscut and rip even the hardest woods. It stays sharp longer when cutting compositions and plastic. The hardened, flame-quenched teeth can be re-sharpened according to instructions provided.

NO. 34-709
9" DIAMETER

ROCKWELL Motorized MITER BOX

Featuring EXCLUSIVE "SAFETYMATIC" Push Button Brake!



GUARANTEED
TO SAVE YOU
UP TO 50%
PRODUCTION TIME
ON THE JOB!



A portable unit that offers you these important benefits:

Power—Fast Cutting Action—heavy duty 10.5 amp motor gives you the extra power needed for fast, true cuts.

Precision—Accurate Cuts at Any Angle Every Time.

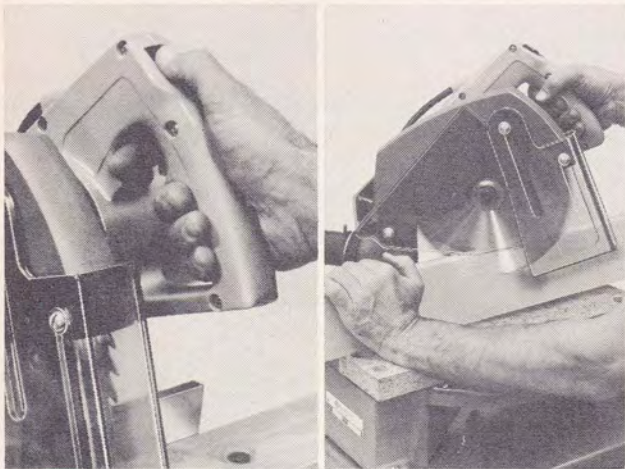
Versatility—Designed to cut compositions, plastic, wood and soft, light-weight aluminum extrusions.

Safety—"Clear-View" retractable blade guard and "SAFETYMATIC" push button brake provide maximum operator safety.

ROCKWELL STATIONARY POWER TOOLS FOR THE BUILDING TRADES

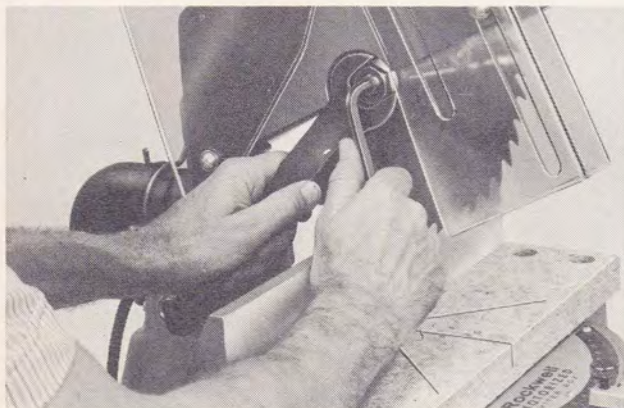
ROCKWELL MOTORIZED MITER BOX

**ROCKWELL QUALITY FEATURES
THAT GIVE YOU
SAFETY, CONVENIENCE
AND TOP PERFORMANCE!**

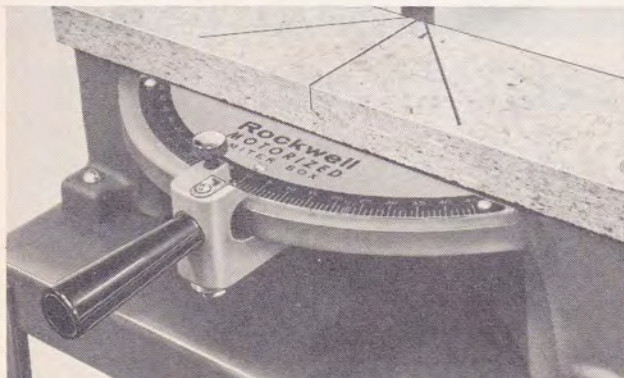


(Left) **Exclusive "SAFETY-MATIC" Push Button Brake.** Used first on famous Rockwell Portable Electric Saws. Lets you stop the blade in seconds, eliminating time-consuming blade coasting while adjusting for the next cut.

(Right) **Big Capacity With Ample Power.** As illustrated, base board can be mitered, either 45° right or left, prior to coping. The heavy duty 10.5 amp motor provides extra power to cut many materials, including compositions, plastic, wood and soft, light-weight aluminum extrusions.

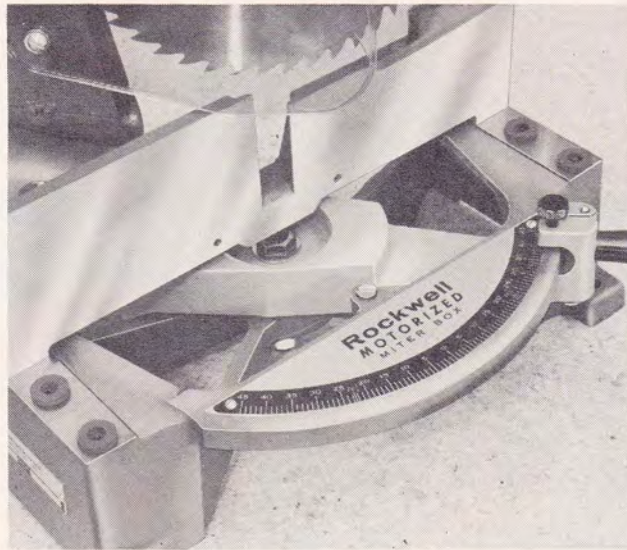


Specially Designed Arbor. Permits quick, easy blade removal ... saves valuable production time.

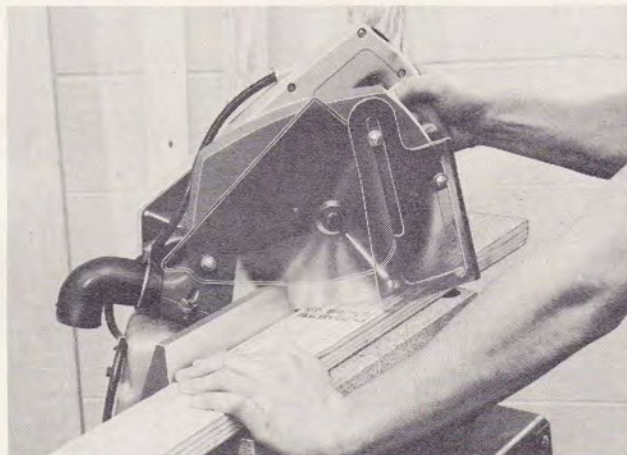


Full 45° Miter Capacity With Positive Stops. The table on the Rockwell Motorized Miter Box contains positive stops at 90° and 45°, right and left. You can select any of these positive

stops instantly simply by moving springloaded hand control to factory pre-drilled stop. Lock firmly holds setting at any other angle desired. Miter scale has large graduations for easy reading.



Ruggedly Constructed Base. Massive, ribbed base assures continuous alignment for accuracy. Resilient pads and levelling screw permit table to be accurately aligned to the fence. Base clamping ledges are designed for temporary or permanent mounting.



"Clear-View" Retractable Blade Guard. Lets you see the exact cut you are making. Specially designed guard provides maximum operator protection.

ROCKWELL QUALITY EXTRAS:

Lightweight—only 43 lbs.—easily carried from room to room on the job.

No Job Set-Up Required—unit is ready to run.

Single Hand Control for rapid positioning *all* cuts.

Lubricated-for-Life ball bearing construction throughout.

Rigid Construction and powerful motor assure accurate, fast cutting.

Unit is **Completely Adjustable** assuring continuous, accurate cutting performance.

See the **Complete Line of Accessories** for increased versatility of the Rockwell Motorized Miter Box.

ROCKWELL MOTORIZED MITER BOX



Rockwell Motorized Miter Box
Shown Mounted on No. 50-821
Steel Stand.



Certified
in Canada



No. 34-010 Basic Machine

Here's the ideal saw for builders . . . contractors . . . plastic and aluminum fabricators . . . industrial arts and vocational education instructors. It's specifically designed for fast, accurate cutting. Light in weight (only 43 lbs.), it offers complete portability. Steel stand is available for stationary applications.

If you need a machine that will produce accurate miters and square cuts in compositions, plastic, wood and soft, light-weight aluminum extrusions, see this BIG PERFORMER in action today!

MACHINE DATA

Motor:

Amps 10.5, 115 V, Develops 1.6 HP

Blade:

Diameter 9"

Arbor 5/8"

Speed 5000 RPM (Under Average Load)

Capacity:

Cross-Cut 2 1/2 x 4"

Miter, 45° 2 1/2 x 3 5/8"

Miter, 45° R & L, on edge 5/8 x 3 5/8"

Positive Stops 90° and 45° R & L

Table Size 4 x 17"

Overall Dimensions:

Width 19"; Depth 20"; Height 22"

Net Weight 43 lbs.; **Shipping Weight** 63 lbs.

Motors—Universal Type, 115 Volt, 25-60 Hertz, AC-DC.

STANDARD EQUIPMENT

Basic Machine includes 34-708 combination saw blade, retractable blade guard, 90° elbow, cord and 3-prong grounding type plug, and arbor wrenches.

CATALOG LISTING

No. 34-010 Basic Machine Without Stand. Motorized Miter Box with 9" blade, "clear-view" retractable blade guard, 90° elbow, motor with 7-foot 3-conductor cord with 115 V grounding type plug, and arbor wrenches. 63 lbs.

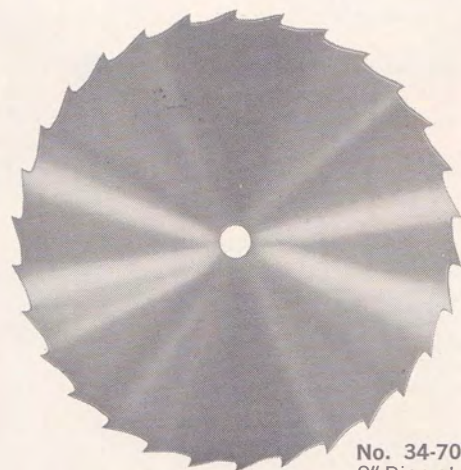
CONVENIENT ONE-NUMBER ORDERING

No. 34-011 Motorized Miter Box Complete. Includes 34-010 Miter Box and 50-821 Steel Stand. 101 lbs.

DELTA QUALITY ACCESSORIES

Saw Blades (with 5/8" arbor hole. Each 1 1/2 lbs.)

Catalog Number	Type	Diameter
34-708	COMBINATION (Flat Ground)	9"
33-223	CROSS-CUT (Flat Ground)	9"
33-227	MITRE (Hollow Ground) (4 cutting teeth—1 raker tooth)	9"



No. 34-709
9" Diameter

HARD TOOTH COMBINATION

(Stays sharp seven times longer)

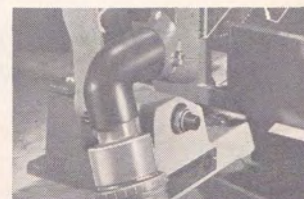
(30 Teeth—Taper Ground)

This thin-kerf blade offers fast, accurate cutting of hard woods and plastic. Use of a lubricant, together with its skip tooth design, makes it excellent for cutting light-weight aluminum extrusions and other soft, non-ferrous metals. Tapered from hub to edge, the thin-kerf design practically eliminates "climbing" and "digging in." The hardened, flame-quenched teeth can be re-sharpened.

No. 49-083 Positive Drive Belt. For replacement use. 1/4 lb.

No. 49-203 90° Elbow. Attaches to outlet at rear of saw guard. Deflects chips downward. 1/2 lb.

No. 49-236 Reducer. Required to attach 2 1/2" diameter vacuum cleaner hose to No. 49-203 Elbow. 1 lb.



ROCKWELL STATIONARY POWER TOOLS FOR THE BUILDING TRADES

ROCKWELL MOTORIZED MITER BOX

No. 49-244 Four-Wheel Caster Set for 5-Gallon Vacuum Cleaner. 1½ lb.

No. 49-245 Four-Wheel Caster Set for 18 and 28-Gallon Vacuum Cleaners. 3 lbs.

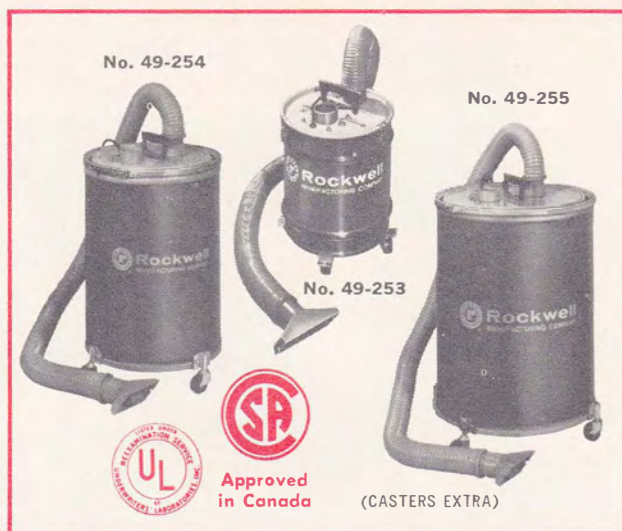
No. 49-253 All-Purpose Vacuum Cleaner, 5-gallon capacity, complete with 5.2 amp, 115 V motor, switch and cord; filter bag; steel collector drum; 2½" diameter x 6' hose and 3" x 6" rectangular nozzle. 15 lbs.

No. 49-255 All-Purpose Vacuum Cleaner, 28-gallon capacity, complete with 6 amp, 115V motor, switch and cord; filter bag, fiber collector drum; 2½" diameter x 6' hose and 3" x 6" rectangular nozzle. 24 lbs.

No. 49-254 All-Purpose Vacuum Cleaner, same as 49-255, except 18-gallon capacity drum. 21 lbs.

No. 49-362 Retractable Casters for use with 50-821 Steel Stand. 12 lbs.

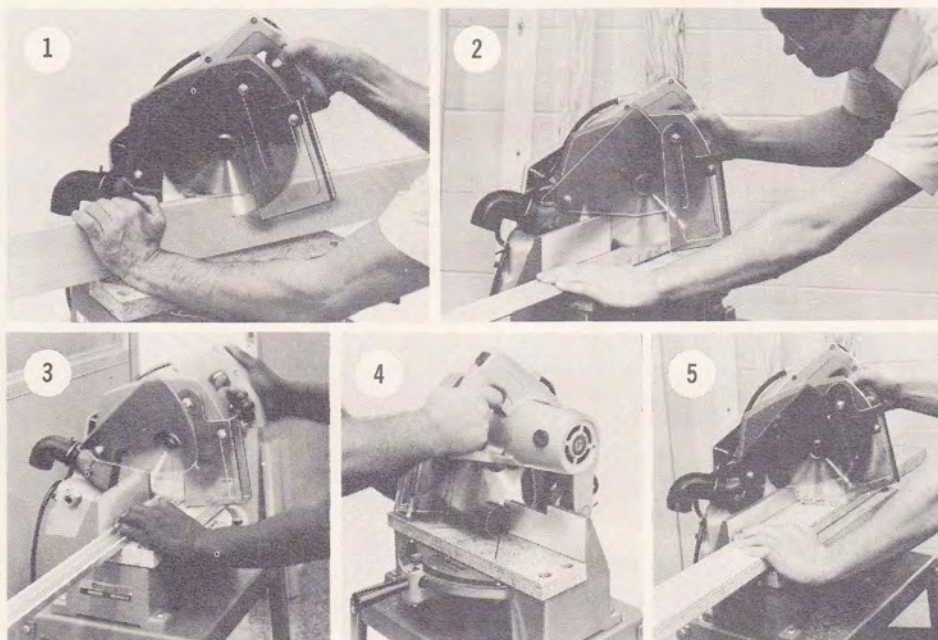
No. 50-821 Steel Stand. Brings working height of Motorized Miter Box table to 39" from floor. 38 lbs.



The Rockwell
Motorized Miter Box

SAFE!
ACCURATE!
FAST!

1. Miter base board perfectly — ready for coping.
2. Makes picture frame miters exactly.
3. Cuts soft, light-weight aluminum extrusions accurately.
4. Cuts plastic pipe quickly.
5. Miters 2 x 4's with ease.

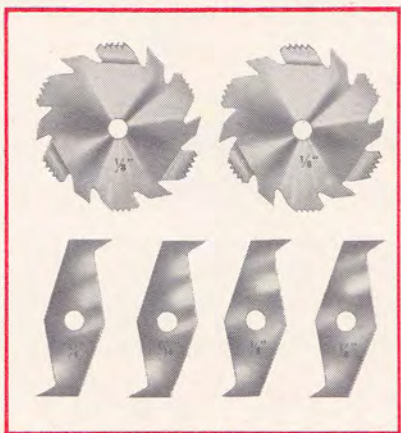


ROCKWELL DELTA INDUSTRIAL WOODWORKING MACHINES

ROCKWELL DELTA CIRCULAR SAW ACCESSORIES

DADO HEAD SETS

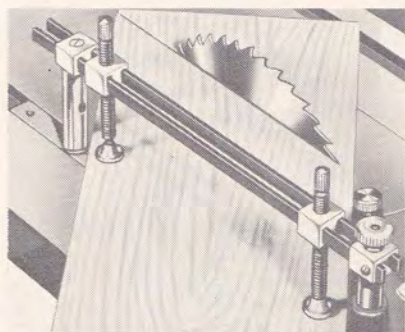
Sets are made of high quality steel, carefully hardened and tempered. Blades and chippers are matched to assure clean, even cuts with or across the grain.



No. 34-333 Production Type Dado Head Set. Consisting of two hollow-ground outer blades (6" dia. x $\frac{1}{8}$ " thick) and four inside cutters (one $\frac{1}{4}$ " thick; two $\frac{1}{8}$ " thick; one $\frac{1}{16}$ " thick). With $\frac{5}{8}$ " arbor hole. Cuts grooves from $\frac{1}{8}$ " to $1\frac{3}{16}$ " wide. 3 $\frac{1}{2}$ lbs.

No. 33-212 Production Type Dado Head Set. Consisting of two hollow-ground outer blades (8" diameter by $\frac{1}{8}$ " thick) and four inside cutters (one $\frac{1}{4}$ " thick; two $\frac{1}{8}$ " thick; one $\frac{1}{16}$ " thick). With $\frac{5}{8}$ " arbor hole. Cuts grooves from $\frac{1}{8}$ " to $1\frac{3}{16}$ " wide. 8 lbs.

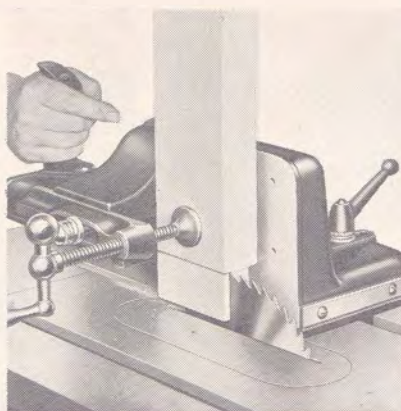
No. 34-334 Economy Dado Head Set. Consisting of two flat-ground outer blades (6" dia. x $\frac{1}{8}$ " thick) and five inside cutters (four $\frac{1}{8}$ " thick; one $\frac{1}{16}$ " thick). With $\frac{5}{8}$ " arbor hole. Cuts grooves from $\frac{1}{8}$ " to $1\frac{3}{16}$ " wide. 4 lbs.



No. 34-568 (old 865) Clamp Attachment for Miter Gage. Holds work securely for accurate miter and cut-off operations. Complete with clamp bar, front and rear posts and two sliding clamp screws and blocks. For use with Nos. 50-864 and 34-884 Miter Gage. 1 $\frac{1}{2}$ lbs.

No. 34-873 (old 873) Extra Clamp Screw and Block Only. For use with No. 34-568 clamp attachment. $\frac{1}{2}$ lb.

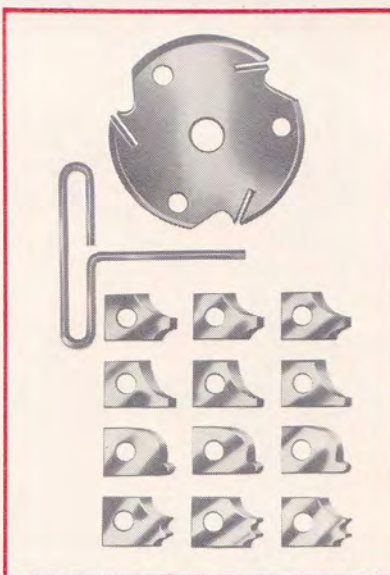
No. 43-170 (old 1170) Tenoner for use with No. 43-186 (old 1186) Sliding Jig. Can also be used on wood shaper. 21 lbs.



No. 34-172 (old 1172) Tenoning Attachment. Simplifies operation of cutting tenons for mortise and tenon joints. Stock can be fed with one hand—far removed from saw blade(s). Handles stock up to 2 $\frac{3}{4}$ " thick. Base plate included. 30 lbs.

No. 34-171 (old 1171) Spacer Collars. Set of two: $\frac{1}{4}$ " and $\frac{3}{8}$ " widths with $\frac{5}{8}$ " arbor hole. For spacing saw blades to cut tenons in one pass. 1 lb.

MOULDING CUTTERHEAD SETS



No. 34-813 Heavy Duty Moulding Cutterhead & Knife Set. Includes No. 34-562 (old 265) cutterhead, No. 34-521 (old 1521) wrench and Nos. 35-102, 35-103, 35-221 and 35-222 cutterhead knives. For use on $\frac{1}{2}$ " and $\frac{5}{8}$ " dia. arbors. 4 lbs.

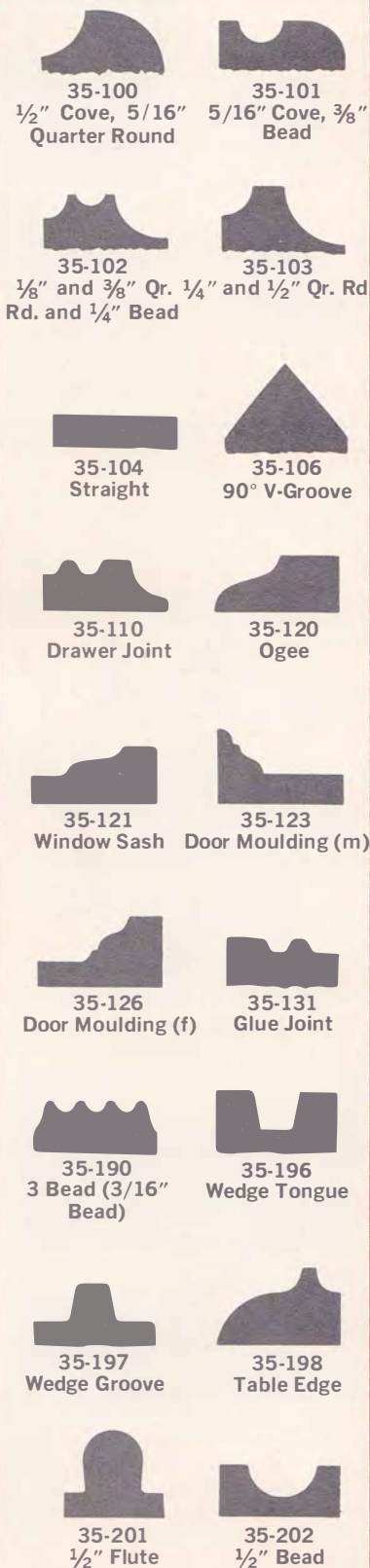
No. 34-821 Basic Moulding Cutterhead & Knife Set. Includes No. 34-562 (old 265) cutterhead, No. 34-521 (old 1521) wrench and No. 35-102 set of knives. For use on $\frac{1}{2}$ " and $\frac{5}{8}$ " dia. arbors. 3 lbs.

No. 34-562 (old 265) Moulding Cutterhead. Heavy Duty, Solid-Steel Type. For use on $\frac{1}{2}$ " and $\frac{5}{8}$ " arbors. Less wrench and knives. 3 lbs.

No. 34-521 (old 1521) Wrench. For moulding cutterhead. $\frac{1}{8}$ lb.

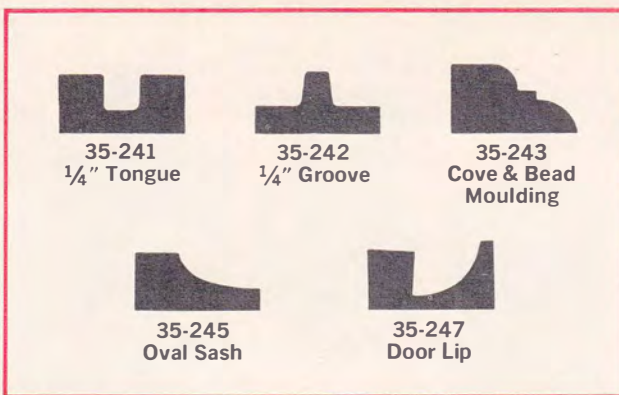
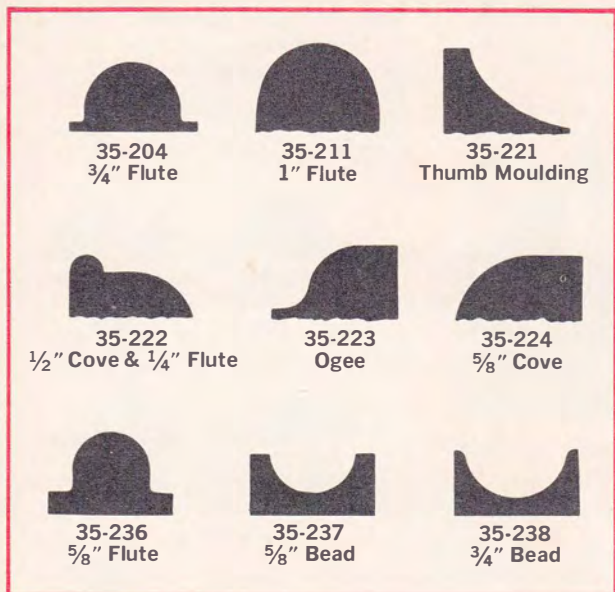
With a Moulding Cutterhead and these 32 Sets of Knives You Can Cut Thousands of Different Mouldings On Your Circular Saw.

Each set consists of three knives. $\frac{1}{4}$ lb. Knives are shown $\frac{1}{2}$ size.



ROCKWELL DELTA INDUSTRIAL WOODWORKING MACHINES

ROCKWELL DELTA CIRCULAR SAW ACCESSORIES



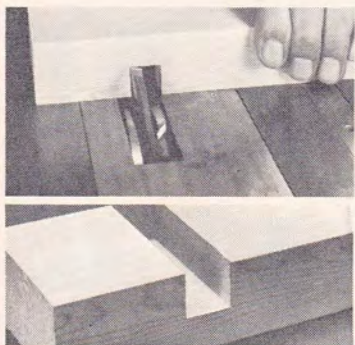
No. 34-226 Miter Gauge with 3/16 x 1/2" bar. 1 1/2 lbs.

No. 34-227 Stop Rods. For use with No. 34-226 Miter Gauge. Simplifies repetitive cutting operations. 3/8 lb.

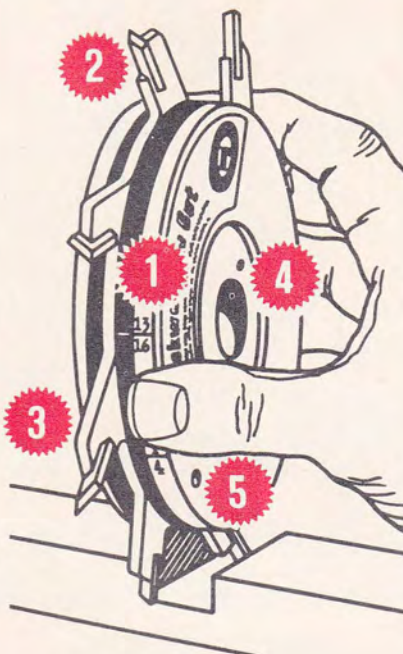
NEW ROCKWELL TRU-CUT 6" ADJUSTABLE DADO



Makes fast, smooth cuts
on your saw with
complete accuracy.



The Rockwell Tru-Cut Dado is easy to use. You just dial the width of cut you want and get perfect results every time!



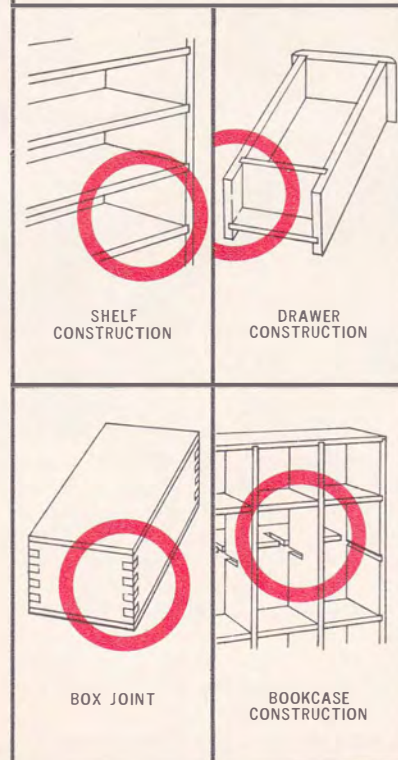
It's designed to operate on all saws with a 5/8" or 3/4" arbor (by removing bushing). Rockwell quality features include:

1. **Easy-to-read markings** that permit quick selection of cuts from 1/4" to 1 3/16" wide and up to 3/4" deep.
2. **Super-sharp cutting teeth** that give cleanest cuts possible without frequent sharpening.
3. **Teeth that are brazed to a solid steel body** for durability and long life.
4. **Permanent locking** of dado in position for future duplication of cut.
5. **Quick settings**—just loosen arbor nut and select new cutting width desired—no need to remove dado from saw arbor.

SPECIFICATIONS

Model No. 34-960
Width of Cut..... 1/4" to 1 3/16"
Maximum Depth of Cut..... 3/4"
No. of Teeth..... 8
Fits Arbor..... 5/8" or 3/4"
Speed..... Not to Exceed 7000 RPM

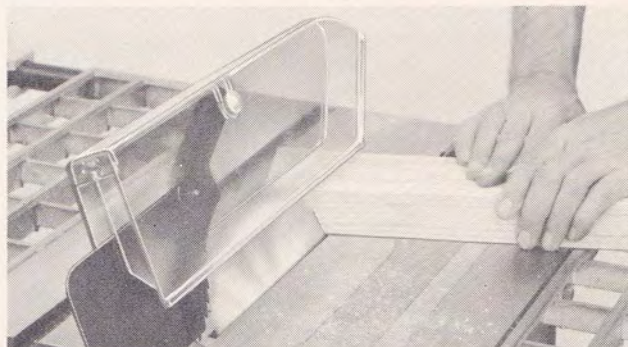
**Make These Cuts and
Many More With Your
Rockwell Tru-Cut Dado**



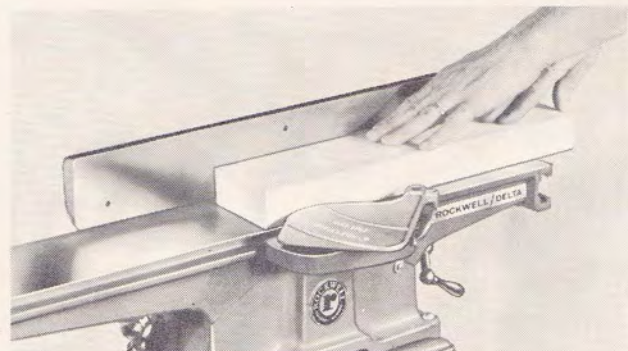
ROCKWELL STATIONARY POWER TOOLS FOR THE BUILDING TRADES

ROCKWELL DELTA 9" SAW/4" JOINTER COMBINATION

CHECK THESE TIME, SPACE and MONEY SAVING FEATURES



Big Capacity 9" Tilting Arbor Saw cuts stock $2\frac{3}{4}$ " thick; full 2" at 45° blade tilt ... rips to the center of a 4-foot panel.

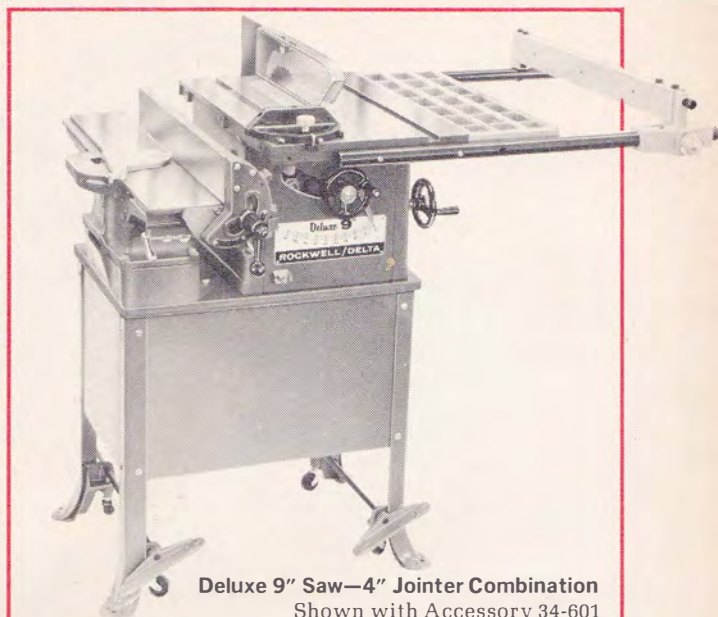


Precision 4" Jointer surfaces and joints stock up to 4" wide ... cuts rabbets $\frac{1}{4}$ " by 4" wide ... fence tilts 45° r. & l. for beveling or chamfering.

- **Saves Space & Money.** Both machines are mounted on a single, compact stand to save valuable space and powered by one motor to keep your motor costs at a minimum.
- **Maximum Efficiency.** Since you must go from sawing to jointing again and again for true accurate work, with the saw/jointer combination you can "cut to fit and plane to finish" by moving only a step.
- **Portability.** Load the saw/jointer combination on a truck and take it to the job site. Optional casters increase its on the job mobility.
- **Delta Quality Construction.** Preloaded, lubricated-for-life ball bearings, precision bored bearing sets, accurately ground arbor and balanced pulleys—guarantees top cutting performance for the life of the machine.

Two of the most used woodworking power tools—Delta 9" Tilting Arbor Circular Saw and 4" Jointer—mounted on one stand and powered by one motor.

With the Delta 9" Saw you get big capacity for ripping, crosscutting, mitering and beveling, plus unmatched versatility for extra operations such as moulding, dadoing and tenoning using accessories. In addition to the basic operations of jointing and surfacing stock, the Delta 4" Jointer will cut rabbets, taper, chamfer and bevel!



Deluxe 9" Saw—4" Jointer Combination
Shown with Accessory 34-601 Table Extension and 49-360 Retractable Casters.

MACHINE DATA

Overall Dimensions:

Depth ... 36" Width ... $44\frac{1}{4}$ " Height ... 39"

Speeds (with 3450 rpm motor):

Saw 3800 rpm
Jointer 3600 rpm (10,800 cpm)

SAW:

Blade Size 9" diam. ($\frac{5}{8}$ " arbor hole)

Capacity:

Depth of cut $2\frac{3}{4}$ "
Depth of cut at 45° 2"
Rip 24"

Table Size 22" x 15"

JOINTER:

Capacity:

Width of cut 4"
Depth of cut $\frac{1}{4}$ "

Table Size $5\frac{1}{4}$ " x $27\frac{1}{4}$ " long

Fence Size $3\frac{1}{4}$ " x $21\frac{1}{4}$ " long

Fence Tilt. 45° r. & l. (positive stops at 90°; 45° r. & l.)

CATALOG LISTING

CONVENIENT ONE-NUMBER ORDERING

(Shipped in Individual Cartons)

FOR SINGLE PHASE WITH HEAVY DUTY MOTOR

No. 34-649 Deluxe Saw-Jointer Combination Unit Complete. Includes 34-643 Deluxe 9" Tilting Arbor Bench Saw, 37-290 Deluxe 4" Jointer, splitter-mounted blade guard, 37-293 jointer raising block, 49-188 V-belt and motor pulley group, 50-308 stand, and 62-273 1 HP, 115 V, 60 hertz motor with remote control switch. 225 lbs.

BASIC ACCESSORIES

No. 34-636 Splitter-Mounted, "See-Thru" Blade Guard, with anti-kickback fingers. 8 lbs.

No. 34-601 Table Extension, open grid type, 22" x $7\frac{1}{2}$ ". 5 lbs.

No. 49-360 Retractable Caster Set for No. 50-308 steel stand. 12 lbs.

For General Circular Saw Accessories, See Section G6

Big Capacity Performers with Famous "Turret-Arm" Action



ROCKWELL DELTA RADIAL SAWS

There's a profit-building Rockwell Delta Radial Saw designed for every user:

18" MODEL—equipped with a 5 or 7½ HP motor.

A heavy duty workhorse that's especially suited for production work.

16" MODEL—furnished with an extra long overarm and an extra large table that makes it ideal for large capacity jobs like fabricating roof trusses and wall panels.

14" MODEL—has the same fine built-in features as the 16" machine. A semi-portable model that's excellent for use on the job site or in the plant.

12" MODEL—designed for easy movement, this saw can be taken right to the job site, even carried through a standard doorway for on-the-spot, centralized cutting.



Rockwell Delta 18" Radial Saw

ROCKWELL DELTA QUALITY FEATURES THAT GUARANTEE BIG PERFORMANCE!

A. Famous Delta "Turret Arm" Action: Swings 360° in any direction above the table for angle cutting. Gives full table capacity for cutting left as well as right-hand miters.

B. Exclusive "Micro-Set" Miter Stops: Only Rockwell Delta gives you individually adjustable positive stops. When required, each setting can be quickly adjusted to assure perfect 90° and 45° cuts for the life of the saw.

C. Exclusive Lifetime Trackways: Rockwell Delta 18" Radial Saws feature lifetime track rods with glass-smooth, hardened surfaces that minimize roller friction. They can be easily rotated to provide a new surface, assuring precision cutting accuracy for the life of the machine.

D. Handy, "Up-Front" Operating Controls: Every control, lever and scale is within easy reach for safe-sure operation. Positive stops at most-used positions and accurately calibrated scales for in-between settings eliminate guesswork and make it easy to set up operation.

E. Giant Capacity With Extra Power: You can cut stock up to 7 1/8" thick using a 20" blade and guard. The "low-rise" motor, in 5 or 7 1/2 HP, delivers ample power to handle the toughest cutting jobs. (Note: Leaf guard removed to aid in photo clarity.)

F. Big Left-Hand Miter Capacity: Rockwell Delta's famous "turret-arm" action lets you cut in any direction above the table. Here, for example, the operator makes a long 45° left-hand miter cut on a large composition panel.

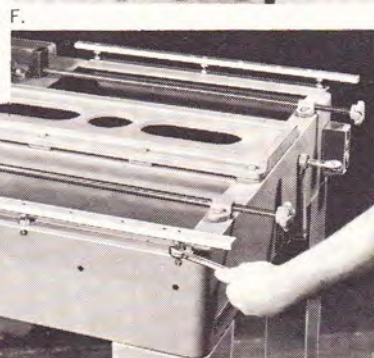
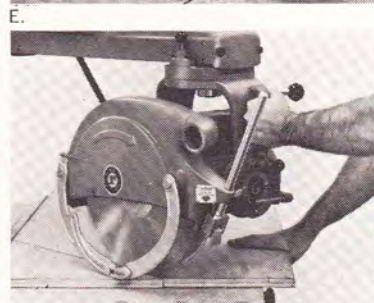
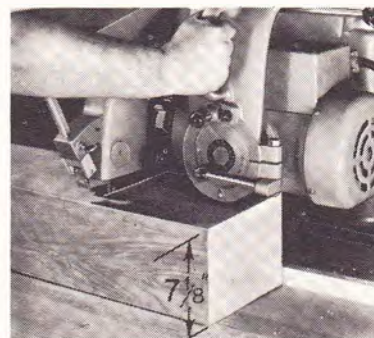
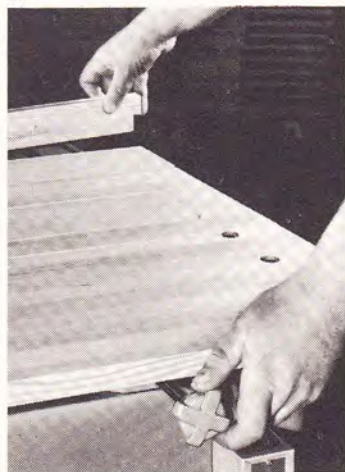
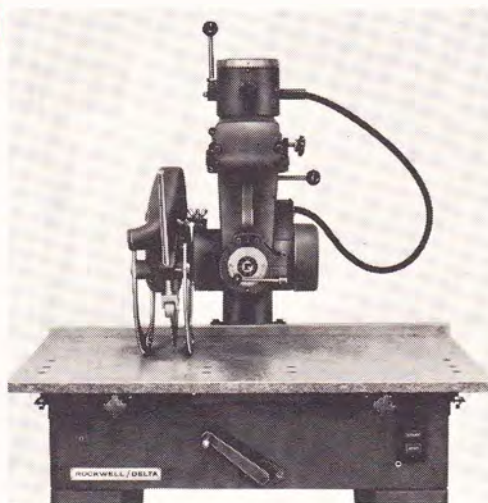
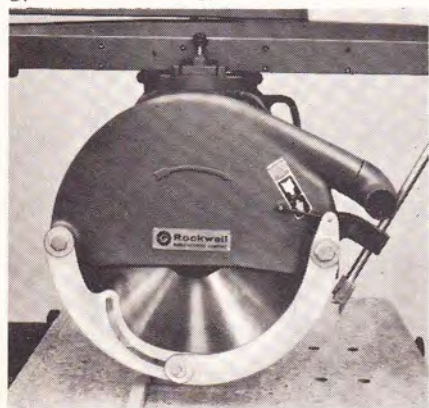
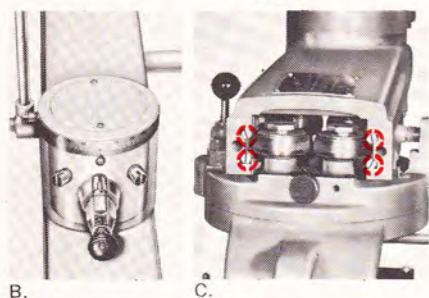
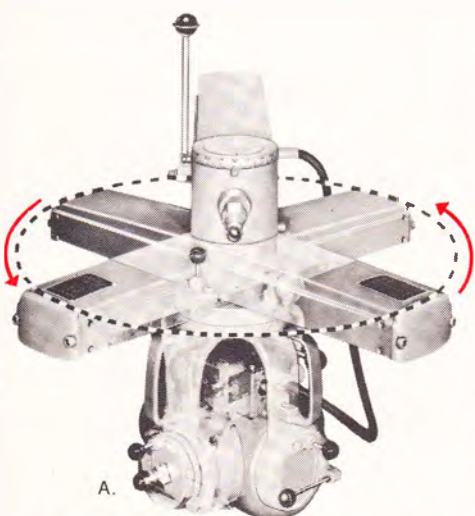
G. Safe Blade Guard Design: Unlike many competitive models, the blade guard on the Rockwell Delta 18" Radial Saw covers the entire saw arbor. Although Delta includes this safety feature as Standard Equipment, many competitive models offer it only as an accessory at additional cost.

H. "Up-Front" Fence Knobs: Large, convenient knobs enable you to adjust and lock the fence from the front for added

safety. This important feature saves you time, especially when cutting varying widths of stock.

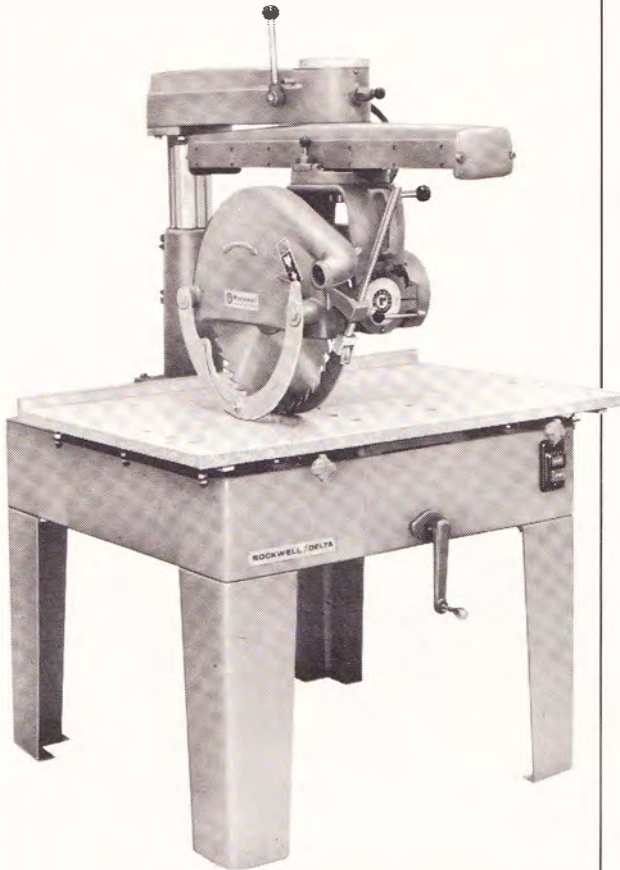
I. Positive Table Leveling Jacks . . . Massive Frame Construction: Six easy-to-adjust leveling jacks assure sustained table accuracy. The extra deep channel, unitized base, which is rigidly reinforced by the cast iron center piece, guarantees continuous alignment of the entire machine.

J. Exclusive Rockwell 24-Volt Safety Control System: Only Rockwell Radial Saws offer a low 24 volts at the push button control station for extra operator safety. Magnetic control system provides on-off control, low-voltage, no-voltage (when power is interrupted, machine can be started only by pressing start button), and motor overload protection. On three phase systems, overload protection is provided on all three legs. Shrouded green "start" button prevents accidental starts while protruding red "stop" button is extra large for quick, emergency stops. Switch cover and buttons are made of non-conductive material for added safety.



ROCKWELL DELTA 18" RADIAL SAW

Giant 7 $\frac{1}{8}$ " Depth of Cut!*



*With 20" saw blade and guard.

NEW SAFETY FEATURES

Now! All Rockwell Delta 18" Radial Saws are supplied with a 24-volt control station for greater operator safety.

Now! All Three Phase 18" Radial Saws are equipped with 3-leg overload for greater motor protection.

Now! All 18" Models are furnished with a standard equipment retractable leaf guard for added operator safety.

Now! All 18" Radial Saws are available with an Electronic, Dynamic Brake as an optional accessory. For single phase machines, order Cat. No. 52-496; for three phase machines, order Cat. No. 52-497.

Here's a saw with all the stamina and rugged construction features needed for heavy duty, precision cutting. A real workhorse, it has the "beef" to zip through stock up to 7 $\frac{1}{8}$ " thick (with 20" saw blade), cross cut 1" stock to 25" wide and rip to the center of a 77" panel.

Check its many features. Cam type locking device on overarm guarantees positive clamping at any setting. Built-in, precision indexing plunger enables operator to make quick, positive settings at most-used angle positions. "Micro-Set" miter stops, that are individually adjustable, assure absolutely true 90° cross cuts and 45° miter cuts for the life of the saw.

To step up production in the shop or on the job, Rockwell offers you a Chain Feed Control for steady, constant feed for heavy production work and a Safety Return Attachment to reduce operator fatigue while providing increased safety.

This heavy duty, production model will accommodate an 18" saw blade, or 20" blade with accessory 20" guard.

MACHINE DATA

Motor Rating	5 and 7 $\frac{1}{2}$ HP
Crosscut Capacity—1" Stock	.24"
Maximum Rip Capacity	38 $\frac{1}{2}$ "
Maximum Depth of Cut	6 $\frac{1}{4}$ "
Maximum Depth of Cut at 45°	3 $\frac{3}{8}$ "
Dado Capacity (with 12" Dado)	2 $\frac{1}{16}$ " Wide*
Diameter Saw Arbor	1"
Diameter of Combination Saw Supplied	18"
Bevel Positive Stops	0°, 45° and 90°
Miter Positive Stops	90° and 45°, R & L
Type of Track	Replaceable, Hardened, Nickel-Alloy Rods
Motor Speed (Full Load) 60 Cycles	3450 RPM
Overall Height	.62"
Floor Space Required	.37 x 37"
Wood Table Top	29 x 44"
Height Table Top	.32"
Shipping Weight (Approx.)	792 Lbs.

*Using one standard flange on motor side of shaft, capacity is 1 $\frac{1}{8}$ ". To obtain 2 $\frac{1}{16}$ " dado capacity, use one flange, No. 33-814, on motor side of shaft.

STANDARD EQUIPMENT

Saw includes totally enclosed, fan cooled motor; blade guard with anti-kickback attachment; retractable leaf guard; 18" combination blade; steel legs; operating and maintenance instructions and wrenches.

For complete range of accessories, see Section 15.



CATALOG LISTING

COMPLETE 18" RADIAL SAW, with Motor and Controls Factory Mounted and Wired as Specified Below.

MOTOR	MOTOR CONTROL	MOTOR ENCLOSURE	HZ. AND MOTOR RPM	MOTOR VOLTAGE	MACHINE CAT. NO.	MACHINE CAT. NO. 200 V
Single Phase 5 Horsepower	24 V at Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-3450	230	33-760	
Three Phase 5 Horsepower	24 V at Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-3450	230/460	†33-761	33-762
Three Phase 7 $\frac{1}{2}$ Horsepower	24 V at Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-3450	230/460	†33-763	33-764

NOTE: Three phase electricals will be supplied wired for 230 V, unless 460 V is specified. 575 V, 5 and 7 $\frac{1}{2}$ HP, three phase electricals are available at the same prices as those shown for 5 and 7 $\frac{1}{2}$ HP, three phase saws wired for 200 V. †No. 49-000 "JIC" Type Control Kit.

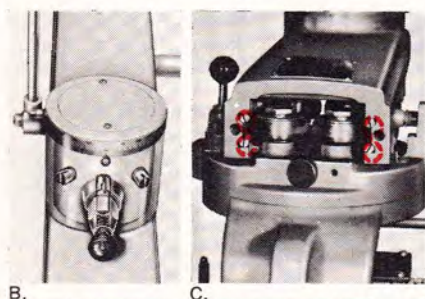
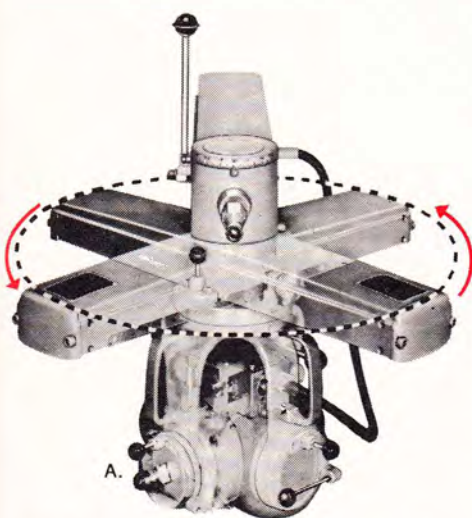
Specify this Catalog Number, in addition to Three Phase Cat. No. 33-761 or 33-763, in order to obtain 18" Radial Saw with "JIC" type electricals, factory mounted and wired.

Rockwell Delta 16" Radial Saw

ROCKWELL DELTA QUALITY FEATURES THAT GUARANTEE FASTER, MORE ACCURATE CUTTING, LOWER COSTS!

A. Famous Double Overarm Action: This preferred construction permits the saw blade to rotate a full 360° above the work table—gives full table capacity for left and right-hand miters.

B. Exclusive "Micro-Set" Miter Stops: Only Rockwell Delta gives you individually adjustable positive stops. When required, each setting can be quickly adjusted to assure perfect 90° and 45° cuts for the life of the saw.



C. Lifetime Trackways: Rockwell Delta 16" Radial Saws feature lifetime track rods with glass-smooth, hardened surfaces that minimize roller friction. They can be easily rotated to provide a new surface, providing precision cutting accuracy for the life of the machine.

D. Convenient, "Up-Front" Operating Controls: Every control, lever and scale is within easy reach for safe-sure operation. Positive stops at most-used positions and accurately calibrated scales for in-between settings eliminate guesswork, make it easy to set up operation.

E. Ample Power With Big Capacity: The "low-rise" motor, in 3 or 5 HP, delivers extra power to handle the toughest jobs. You can cut stock up to 5 3/8" thick.

(Note: Leaf guard removed to aid in photo clarity.)

F. Extra Left-Hand Miter Capacity: Rockwell Delta's famous "turret-arm" action lets you cut in any direction above the table. Here, the operator cuts the lower chord (2 x 6") of a low pitch roof truss, 1/4th pitch (4-12).

(Note: Leaf guard removed to aid in photo clarity.)

G. Extra Wide Cross Cut Capacity: The extra long arm on the Rockwell Delta 16" Model enables the operator to easily trim a 24" wide panel for a cabinet door.

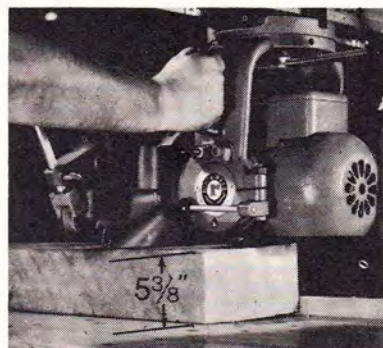
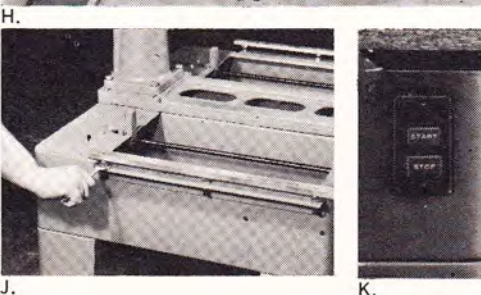
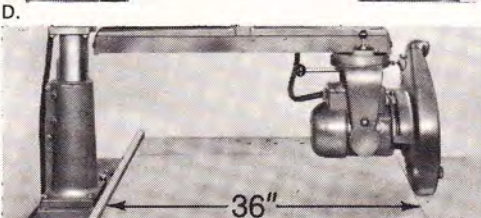
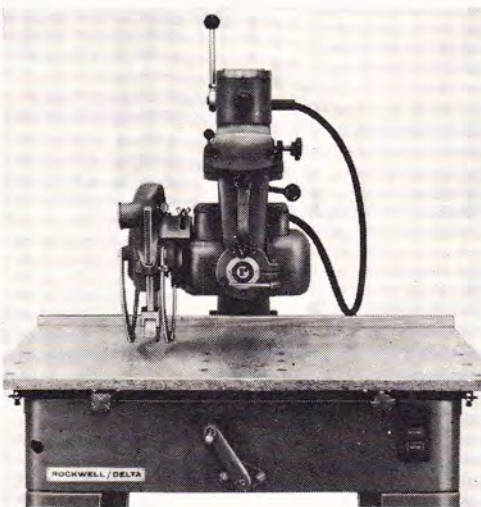
H. Extra Wide Rip Capacity: Large, bulky panels are quickly and easily ripped with the Rockwell Delta 16" Radial Saw.

I. Safe Blade Guard Design: Unlike many competitive models, the blade guard on

the Rockwell Delta 16" Radial Saw covers the entire saw arbor. Although Delta includes this safety feature as Standard Equipment, many competitive models offer it only as an accessory at additional cost.

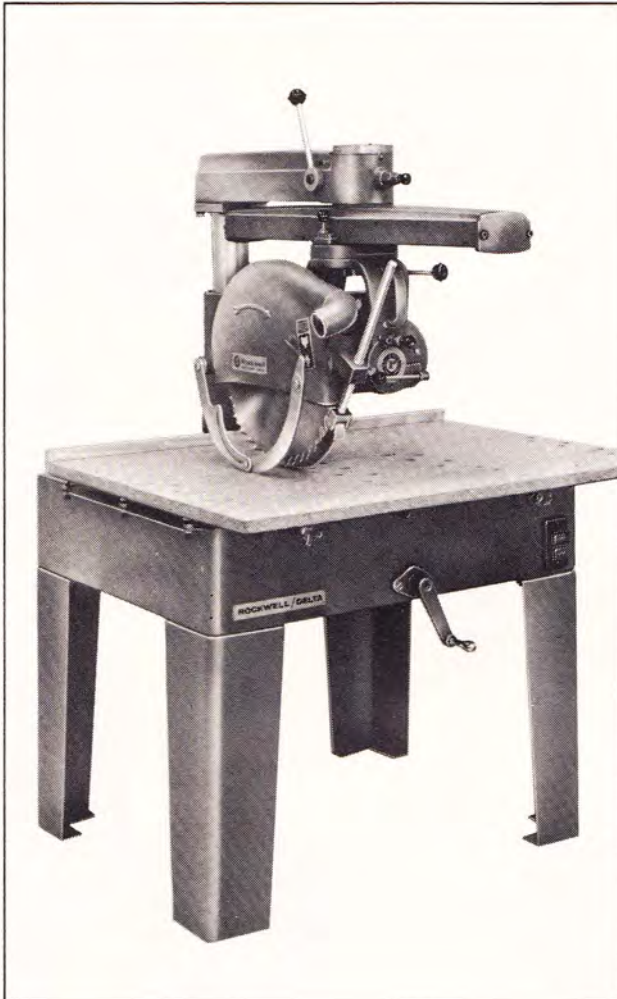
J. Positive Table Leveling Jacks—Massive Frame Construction: Six easy-to-adjust leveling jacks assure sustained table accuracy. The extra deep channel, unitized base, which is rigidly reinforced by the cast iron center piece, guarantees continuous alignment of the entire machine.

K. Exclusive Rockwell 24-Volt Safety Control System: Only Rockwell Radial Saws offer a low 24 volts at the push button control station for extra operator safety. Magnetic control system provides on-off control, low-voltage, no-voltage (when power is interrupted, machine can be started only by pressing start button), and thermal overload protection. On three phase systems, overload protection is provided on all three legs. Shrouded green "start" button prevents accidental starts while protruding red "stop" button is extra large for quick, emergency stops. Switch cover and buttons are made of non-conductive material for added safety.



ROCKWELL DELTA 16" RADIAL SAW

A Semi-Portable Model for Field and Shop Use



NEW SAFETY FEATURES

Now! All Rockwell Delta 16" Radial Saws are supplied with a 24-volt control station for greater operator safety.

Now! All Three Phase 16" Radial Saws are equipped with 3-leg overload for greater motor protection.

Now! All 16" Models are furnished with a standard equipment retractable leaf guard for added operator safety.

Now! All 16" Radial Saws are available with an Electronic, Dynamic Brake as an optional accessory. For single phase machines, order Cat. No. 52-496; for three phase machines, order Cat. No. 52-497.

Here's a saw that's built for production work and provides the capacities that these jobs require. It will cut stock 5³/₈" thick, cross cut 24" wide and rip to the center of a 72" panel. With these extra big capacities, it's ideally suited for fabricating roof trusses, wall and floor panels, kitchen cabinets and interior partitions. The power packed 3 or 5 HP motor will stand up under extra heavy work loads over a long haul. This versatile saw incorporates all the fine features of the 18" Model. It's the finest long range investment you can make to protect and increase your profits.

MACHINE DATA

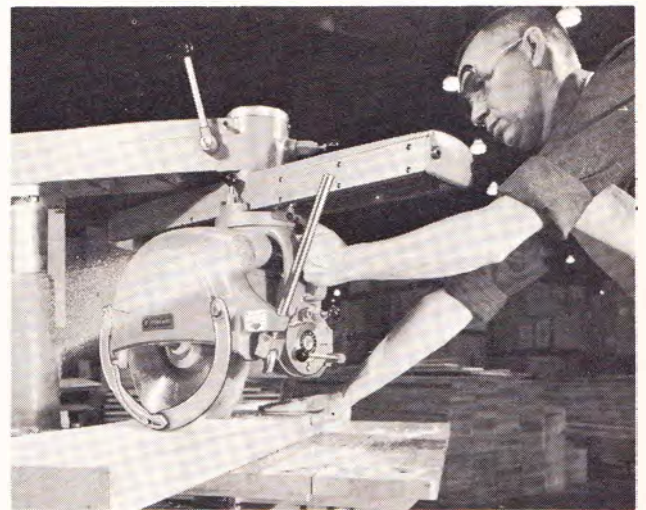
Motor Rating	3 and 5 HP
Crosscut Capacity—1" Stock	24"
Maximum Rip Capacity	37 ⁷ / ₁₆ "
Maximum Depth of Cut	5 ³ / ₈ "
Maximum Depth of Cut at 45°	2 ¹⁵ / ₁₆ "
Dado Capacity (with 10" Dado)	2 ¹ / ₈ " Wide*
Diameter Saw Arbor	1"
Diameter of Combination Saw Supplied	16"
Bevel Positive Stops	0°, 45° and 90°
Miter Positive Stops	90° and 45°, R & L
Type of Track	Replaceable, Hardened, Nickel-Alloy Rods
Motor Speed (Full Load) 60 Cycles	3450 RPM
Overall Height	56"
Floor Space Required	30 x 37"
Wood Table Top	32 x 42"
Height Table Top	32"
Shipping Weight (Approx.)	567 Lbs.

*Using no flanges, dado capacity is 2¹/₈"; using one standard flange on motor side of shaft, dado capacity is 1⁷/₈".

STANDARD EQUIPMENT

Saw includes totally enclosed, fan cooled motor; 16" blade guard with anti-kickback attachment; retractable leaf guard; 16" combination blade; steel legs; operating and maintenance instructions and wrenches.

For complete range of accessories, see Section 15.



CATALOG LISTING

COMPLETE 16" RADIAL SAW, with Motor and Controls Factory Mounted and Wired as Specified Below.

MOTOR	MOTOR CONTROL	MOTOR ENCLOSURE	HZ. AND MOTOR RPM	MOTOR VOLTAGE	MACHINE CAT. NO.	MACHINE CAT. NO. 200 V
Single Phase 3 Horsepower	24 V at Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-3450	115/230	33-770	
Three Phase 5 Horsepower	24 V at Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-3450	230/460	133-771	33-772

NOTE: Single phase electricals will be supplied wired for 230 V only. Three phase electricals will be supplied wired for 230 V, unless 460 V is specified. 575 V, 5 HP, three phase electricals are available at the same prices as those shown for 200 V electricals. †No. 49-000 "JIC" Type

Control Kit. Specify this Catalog Number, in addition to Three Phase Cat. No. 33-771, in order to obtain 16" Radial Saw with "JIC" type electricals, factory mounted and wired.

Rockwell Delta 14" Radial Saw

ROCKWELL DELTA QUALITY FEATURES THAT GUARANTEE FASTER, MORE ACCURATE CUTTING, LOWER COSTS!

A. Famous Double Overarm Action: This preferred construction permits the saw blade to rotate a full 360° above the work table—gives full table capacity for left and right-hand miters.

B. Exclusive "Micro-Set" Miter Stops: Only Rockwell Delta gives you *individually adjustable* positive stops. When required, each setting can be quickly adjusted to assure perfect 90° and 45° cuts for the life of the saw.

C. Lifetime Trackways: Rockwell Delta 14" Radial Saws feature lifetime track rods with glass-smooth, hardened surfaces that minimize roller friction. They can be easily rotated to provide a new surface, providing precision cutting accuracy for the life of the machine.

D. Convenient, "Up-Front" Operating Controls: Every control, lever and scale is within easy reach for safe, sure operation. Positive stops at most-used positions and accurately calibrated scales for in-between settings eliminate guesswork, make it easy to set up operation.

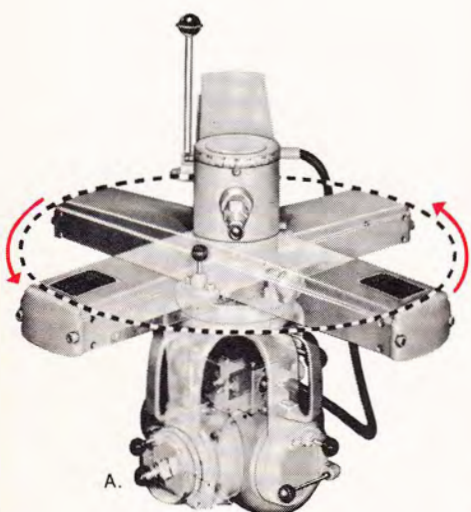
E. Ample Power With Big Capacity: The "low-rise" 3 HP motor delivers extra power to handle the toughest jobs. You can cut stock up to $4\frac{5}{16}$ " thick. (Note: Leaf guard removed to aid in photo clarity.)

F. Safe Blade Guard Design: Unlike many competitive models, the blade guard on the Rockwell Delta 14" Radial Saw covers the entire saw arbor. Although Delta includes this safety feature as Standard Equipment, many competitive models offer it only as an accessory at additional cost.

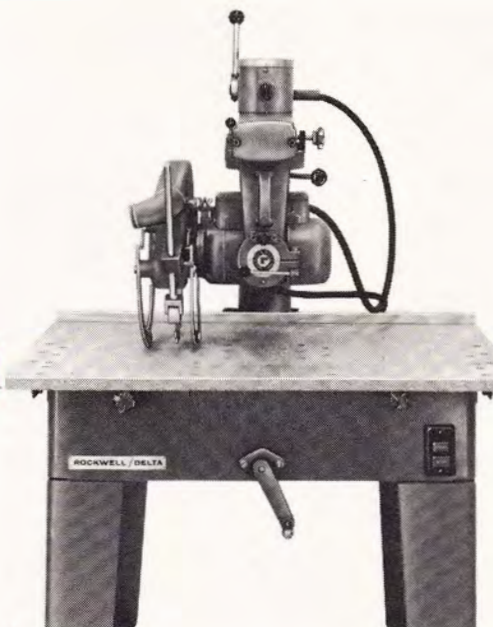
G. Positive Table Leveling Jacks—Massive Frame Construction: Six easy-to-adjust leveling jacks assure sustained table accuracy. The extra deep channel, unitized base, which is rigidly reinforced by the cast iron center piece, guarantees continuous alignment of the entire machine.

H. Exclusive Rockwell 24-Volt Safety Control System: Only Rockwell Radial Saws offer a low 24 volts at the push button

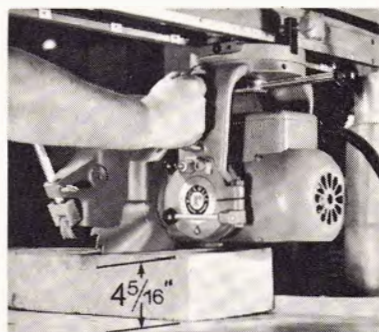
control station for extra operator safety. Magnetic control system provides on-off control, low-voltage, no-voltage (when power is interrupted, machine can be started only by pressing start button), and thermal overload protection. On three phase systems, overload protection is provided on all three legs. Shrouded green "start" button prevents accidental starts while protruding red "stop" button is extra large for quick, emergency stops. Switch cover and buttons are made of non-conductive material for added safety.



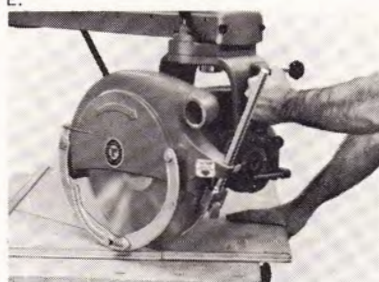
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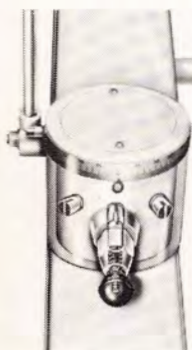
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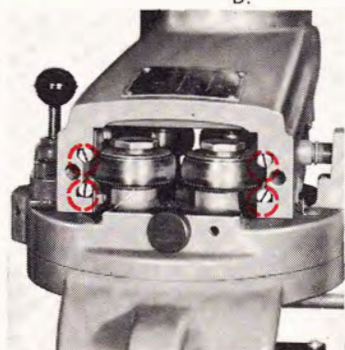
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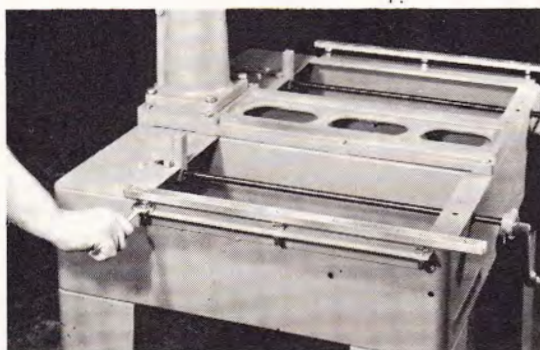
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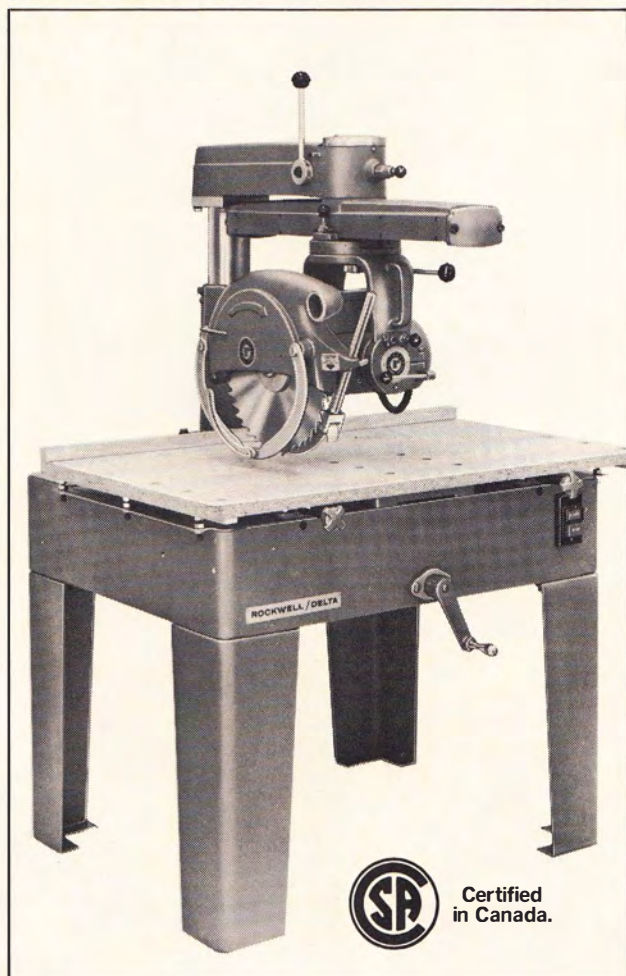
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H.

ROCKWELL DELTA 14" RADIAL SAW

A Semi-Portable Model for Field and Shop Use



NEW SAFETY FEATURES

Now! All Rockwell Delta 14" Radial Saws are supplied with a 24-volt control station for greater operator safety.

Now! All Three Phase 14" Radial Saws are equipped with 3-leg overload for greater motor protection.

Now! All 14" Models are furnished with a standard equipment retractable leaf guard for added operator safety.

Now! All 14" Radial Saws are available with an Electronic, Dynamic Brake as an optional accessory. For single phase machines, order Cat. No. 52-496; for three phase machines, order Cat. No. 52-497.

CATALOG LISTING

COMPLETE 14" RADIAL SAW, with Motor and Controls Factory Mounted and Wired as Specified Below.

MOTOR	MOTOR CONTROL	MOTOR ENCLOSURE	HZ. AND MOTOR RPM	MOTOR VOLTAGE	MACHINE CAT. NO.	MACHINE CAT. NO. 200 V
Single Phase 3 Horsepower	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-3450	115/230	33-780	
Three Phase 3 Horsepower	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-3450	230/460	33-781	33-782
Three Phase 5 Horsepower	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-3450	230/460	33-783	33-784

NOTE: Single phase electricals will be supplied wired for 230 V only. Three phase electricals will be supplied wired for 230 V, unless 460 V is specified. 575 V, 3 and 5 HP, three phase electricals are available at the same prices as those shown for 200 V electricals. †No. 49-000 "JIC"

You can use this popular saw for production work in the shop, then take it out on the job site for heavy-duty, centralized cutting. It gives you 4 $\frac{5}{16}$ " cutting capacity and rips up to 30" wide. Big in quality, it incorporates all the fine features of the 16" Model. That's why it's excellent for home builders and prefabricators, for maintenance work or on the production line in industrial plants, and for lumber yards and woodworking shops where continuous accuracy is essential.

MACHINE DATA

Motor Rating 3 and 5 HP
 Crosscut Capacity—1" Stock 19"
 Maximum Rip Capacity:
 3 HP Single Phase and 5 HP Three Phase 31 $\frac{7}{16}$ "
 3 HP Three Phase 30"
 Maximum Depth of Cut 4 $\frac{5}{16}$ "
 Maximum Depth of Cut at 45° 2 $\frac{1}{16}$ "
 Dado Capacity (with 10" Dado) 1 $\frac{7}{8}$ " Wide*
 Diameter Saw Arbor 1"
 Diameter of Combination Saw Supplied 14"
 Bevel Positive Stops 0°, 45° and 90°
 Miter Positive Stops 90° and 45°, R & L
 Type of Track Replaceable, Hardened, Nickel-Alloy Rods
 Motor Speed (Full Load) 60 Cycles 3450 RPM
 Overall Height 56"
 Floor Space Required 30 x 37"
 Wood Table Top 26 x 42"
 Height Table Top 32"
 Shipping Weight (Approx.) 550 Lbs.
 *1 $\frac{7}{8}$ " dado capacity is obtained using only one standard flange on motor side of shaft.

STANDARD EQUIPMENT

Saw includes totally enclosed, fan cooled motor; 14" blade guard with anti-kickback attachment; retractable leaf guard; 14" combination blade; steel legs; operating and maintenance instructions and wrenches.

For complete range of accessories, see Section 15.



Rockwell Delta 12" Radial Saw

ROCKWELL DELTA QUALITY FEATURES THAT ASSURE TOP QUALITY PERFORMANCE!

A. Famous Delta "Turret Arm" Action. Swing It! Arm swings 360° in any direction above the table for angle cutting. Features positive stops at 0° and 45°, right and left. **Spin It!** Yoke-motor unit swivels 360° under the arm with positive stops at each 90° position. Makes it easy to rip from either side. **Tilt It!** Motor tilts inside yoke for beveling, shaping and moulding operations. Gives you a tilting arbor machine with positive stops at 45° and 90°.

B. Extra Powerful Motor. 1½ HP motor delivers up to 3 HP under heavy work loads to assure faster, smoother cutting. The extra power means extra safety because stalling is virtually eliminated. Threaded right-hand shaft of motor permits use of drill bits, sanding drums and other accessories.

C. Convenient, Up-Front On-and-Off Switch. Conveniently placed at eye level, switch can be turned on or off in an instant for added operator protection. Lock-out feature permits switch to be locked so that saw cannot be turned on—an extra safety feature that restricts unauthorized use of the machine.

D. All Controls Located "Up-Front". Every control, including the elevating crank, is "up front," away from the blade for faster, safer operation. Extra long, comfortable hand grips assure greater locking leverage and control.

E. Precision Index Ring for Miter Cuts. 90° and 45° positive miter stops are precision machined simultaneously at the factory, assuring lifetime accuracy on the job. Adjustment, if ever required, is easily made.

F. Convenient Index Control. Index release knob is conveniently located "up front" permitting quick, easy selection of desired miter positions.

G. Massive Column and Base. Husky column and rugged base are precision matched. A heavy, built-in, spring-loaded key maintains rigid, accurate alignment of cutting arm yet affords free, easy rais-

ing and lowering of cutting head. There are no gibs or wrap-around clamps to go out of adjustment.

H. Handy Fence Lock Knobs. Large, convenient knobs enable you to adjust and lock the fence from the front for added safety. This important feature saves you time, especially when cutting varying widths of stock.

I. Large Bevel and Miter Scales. They are extra large in size and conveniently located, making them easy to use. This speeds up production and improves accuracy on close tolerance jobs.

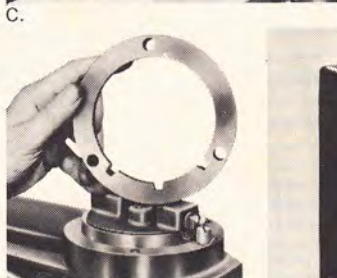
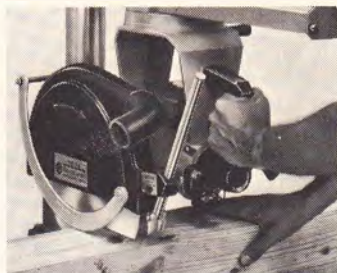
J. Big Capacities. Cuts stock up to 4" thick and rips to the center of a 50" panel, with ample table support. In addition, Delta's famous "Turret-Arm" action permits the blade to stay positioned over the table throughout the 360° arm swing. You can even cut left-hand miters and still get full capacity over the table.

K. Heavy, Deep Channel Frame Construction. This underside view of the frame shows its rugged, box-type construction that makes it practically distortion proof. This assures continuous alignment of the entire machine, guaranteeing the user trouble-free performance and accuracy year after year.

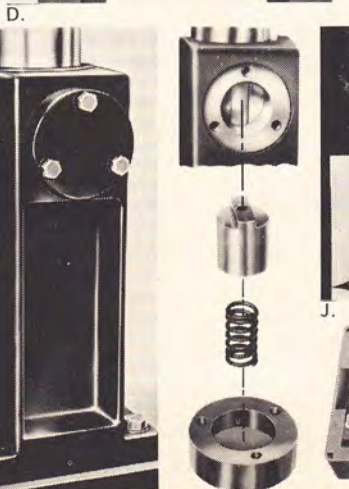
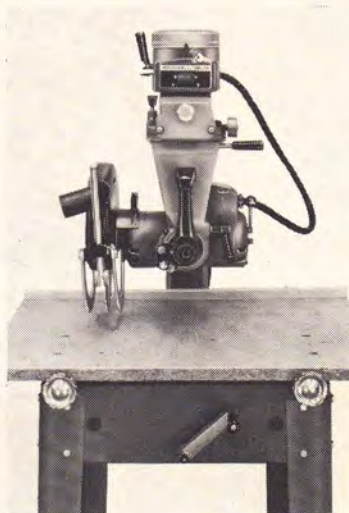
L. Fool-Proof Mechanical Brake. A dependable, manually operated brake that works every time to assure quick, safe blade stoppage. Brake stops blade almost instantly.



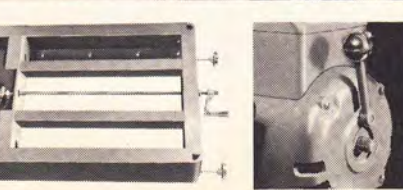
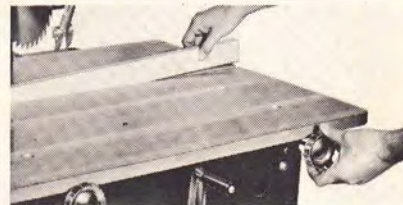
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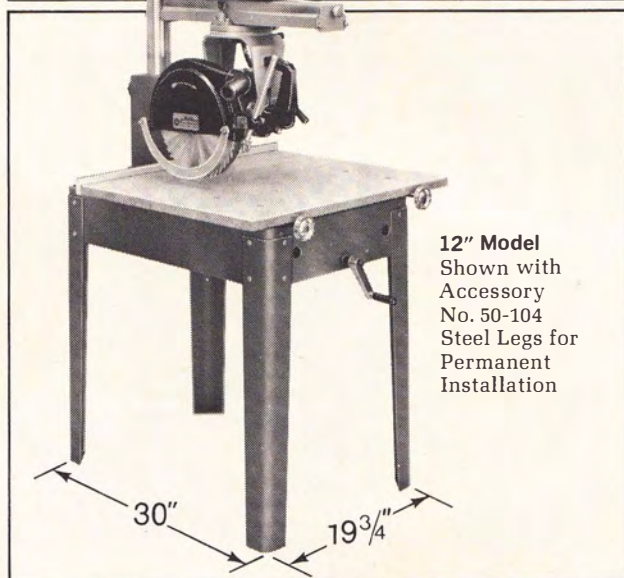


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ROCKWELL DELTA 12" RADIAL SAW



NEW SAFETY FEATURES

Now! All Rockwell Delta Magnetically Controlled 12" Radial Saws are supplied with a 24-volt control station for greater operator safety.

Now! All Three Phase 12" Radial Saws are equipped with 3-leg overload for greater motor protection.

Now! All 12" Models are furnished with a standard equipment retractable leaf guard for added operator safety.

This machine meets the high standards required by industry, builders, contractors, commercial and school shops. Here's why. The extra powerful motor will handle the toughest cutting jobs. The rigid frame, massive column base and precision index ring assure top quality cuts on all jobs. And the convenient on-off switch with lock-out key, fool-proof mechanical brake and all "up-front" operating controls make it the safest radial saw you can buy. Designed for easy movement, it can be taken right to the job, even carried through a standard entrance for on-the-spot, centralized cutting.

MACHINE DATA

Motor:

Horsepower 1½, 2
Speed 3450 RPM

Blade:

Diameter (Supplied) 12"
Arbor 5/8"

Capacity:

Depth of Cut 4"
Depth of Cut at 45° Bevel 2½"
Cross-cut 15½"
Rip 25"

Bevel Positive Stops 0°, 45° and 90°

Miter Positive Stops 90° and 45° R & L

Table Size 25½" x 30"

Overall Dimensions:

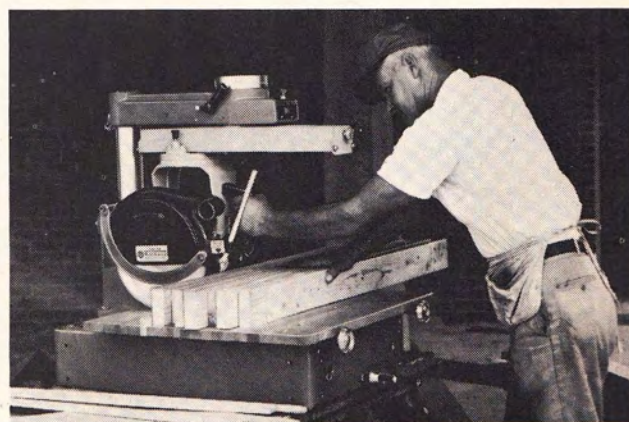
Width 30"
Depth 32"
Height:
Bench Model 33"
Floor Model 63½"

Shipping Weight (Approx.) 270 Lbs.

STANDARD EQUIPMENT

Extra powerful 1½ or 2 HP motor; 12" blade guard with anti-kickback attachment; retractable leaf guard; 12" combination blade; operating and maintenance instructions and wrenches.

For complete range of accessories, see Section 15.



CATALOG LISTING

COMPLETE 12" RADIAL SAW, BENCH MODEL, with Motor and Controls Factory Mounted and Wired as Specified Below.
Order No. 50-104 set of four steel legs separately.

MOTOR	MOTOR CONTROL	MOTOR ENCLOSURE	HZ. AND MOTOR RPM	MOTOR VOLTAGE	MACHINE CAT. NO.	MACHINE CAT. NO. 200 V
Single Phase 1½ Horsepower	On-Off, Key-Lock Switch and Overload Protection	GD	60-3450	115/230	33-790	
	24 V at On-Off, Key-Lock Switch; Magnetic Starter; Transformer and Overload Protection (LVC)	GD	60-3450	115/230	33-791	
Three Phase 2 Horsepower	24 V at On-Off, Key-Lock Switch; Magnetic Starter; Transformer and 3-Leg Overload Protection (LVC)	GD	60-3450	230/460	33-792	33-793

NOTE: Single phase dual-voltage electricals will be supplied wired for 230 V, unless 115 V is specified. Three phase 230/460 V electricals will

be supplied wired for 230 V, unless 460 V is specified. 575 V, 2 HP electricals are available at the same prices as those shown for 200 V.

ROCKWELL DELTA RADIAL SAW ACCESSORIES

ROCKWELL DELTA ACCESSORIES INCREASE THE USEFULNESS OF YOUR RADIAL SAW

SAW BLADES

DIAMETER AND ARBOR HOLE	COMBINATION (FLAT GROUND)	RIP (FLAT GROUND)	CROSSCUT (FLAT GROUND)	NOVELTY TOOTH COMBINATION (FLAT GROUND)	MITRE (HOLLOW GROUND) (4 CUTTING TEETH) (1 RAKER TOOTH)	CARBIDE-TIPPED COMBINATION (24 TEETH WITH ALTERNATE TOP BEVEL GRIND)	WEIGHT LBS.
18 x 1"	33-740	33-741	33-742		33-743		7½
16 x 1"	33-183	33-184	33-001	33-204	33-186		5½
14 x 1"	33-179	33-180	33-002	33-203	33-182		4
12 x 1"						34-842	4
12 x 5/8"	33-197	33-003	33-004		33-005		4
10 x 5/8"						34-841	2½
9 x 5/8"						34-840	2

SPECIAL SAW BLADE

No. 34-707 Plywood, 7" diameter x 5/8" arbor hole, 200 teeth. 2½ lbs.

No. 34-709 Hard Tooth Combination, taper ground, 9" diameter x 5/8" arbor hole, 30 teeth. 2½ lbs.

FLANGES

No. 33-548 Pair of Flanges, 5" diameter, for use with 18" or 20" diameter saw blades. 4 lbs.

No. 33-814 Steel Flange, 4" diameter. Use this flange in place of standard flanges No. 33-548, furnished with machine, to obtain 2½" dado capacity.

ELECTRONIC BRAKES FOR FIELD MOUNTING

For use with 18", 16" and 14" Rockwell Delta Radial Saws.

No. 52-453 Dynamic Brake, for single phase operation. Electronic brake stops blade quickly for greater operator safety. 48 lbs.

No. 52-452 Dynamic Brake, same as above except for three phase operation. 48 lbs.

SPACER COLLARS

No. 34-171 (old 1171). Use with above saw blades to make accurate, clean tenons. Set of 2, one ¼" thick and one ⅜" thick, 2½" diameter with 5/8" arbor hole. 1 lb.

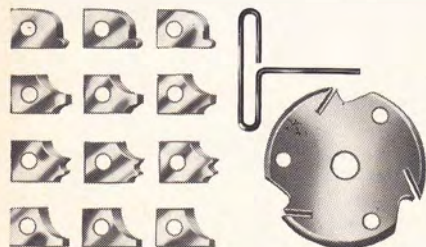
MOULDING CUTTERHEADS

Heavy duty, solid steel type. Less wrench and knives. 2½ lbs.

No. 33-307. With 1" arbor hole.

No. 34-562. With 5/8" arbor hole.

No. 34-521 (old 1521) Wrench. For moulding cutterheads. ¼ lb.



No. 34-813 Standard Moulding Cutterhead and Knife Set. Includes No. 34-562 (old 265) cutterhead, No. 34-521 (old 1521) wrench and Nos. 35-102, 35-103, 35-221, and 35-222 cutterhead knives. For use on ½" and 5/8" diameter arbor saws. 4 lbs.

No. 34-821 Basic Moulding Cutterhead and Knife Set. Includes No. 34-562 (old 265) cutterhead, No. 34-521 (old 1521) wrench and No. 35-102 set of knives. For use on ½" and 5/8" diameter arbor saws. 3 lbs.

STANDARD DADO HEAD SETS



No. 3 Production type. Made of the finest steel, carefully hardened and tempered. Set consists of two hollow-ground outer blades (6" diameter x 1/8" thick) and four inside cutters (two ¼" thick; one 1/8" thick; one 1/16" thick). Will cut grooves from 1/8" to 1 1/16" wide with or against the wood grain. Sold in complete sets only.

DIAMETER	ARBOR HOLE	WEIGHT LBS.	CATALOG NUMBER
10"	1"	9	33-174
8"	5/8"	8	33-212
6"	5/8"	3½	34-333

No. 34-334 Economy Dado Head Set. Consisting of two flat-ground outer blades (6" diameter x 1/8" thick) and five inside cutters (four 1/8" thick; one 1/16" thick). With 5/8" arbor hole. Cuts grooves from 1/8" to 1 1/16" wide. 4 lbs.



RETRACTABLE LEAF GUARDS

Provide additional safety for operator.

No. 33-446 For 20" blade guard. 4 lbs.

No. 33-471 For 18" blade guard. 4 lbs.

No. 33-450 For 16" blade guard. 2½ lbs.

No. 33-449 For 14" blade guard. 2½ lbs.

No. 33-594 For 12" blade guard. 2 lbs.

BLADE GUARD

Designed to cover entire saw spindle for additional operator safety.

No. 33-543, 20" Blade Guard for 18" Radial Saw. 18 lbs.

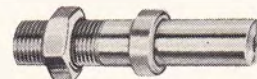
ADAPTERS

No. 33-304 Adapter with 1"-14 L.H. thread x ½" bore. Threads onto radial saw arbor to provide ½" bore hole to fit ½" shank accessories. ½ lb.

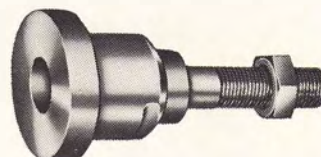


No. 33-277 Adapter with 5/8"-18 L.H. thread x ½" bore. Threads onto radial saw arbor to provide ½" bore hole to fit ½" shank accessories. ½ lb.

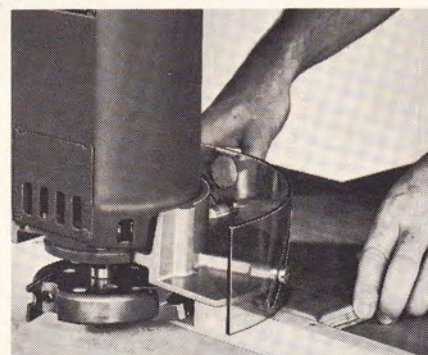
SHAPER CUTTER ADAPTERS



No. 43-990 Shaper Cutter Adapter. With ½" diameter shank and 1/2" L.H. threaded shaft to accommodate shaper cutters or other accessories up to 1" thick. Use with 33-304 or 33-277 Adapter. ½ lb.



No. 33-600 Shaper Cutter Adapter. For mounting ½" hole 3-lip shaper cutters on 5/8"-18 L.H. threaded motor shaft. 1 lb.



No. 33-942 Shaping Guard for 12" Radial Saw. Provides additional operator protection.

SANDING DISCS

Threaded to fit motor shaft. Furnished with one garnet disc.

No. 46-836 Sanding Disc, 8½" diameter, mounts on 1"-14 L.H. thread motor shaft. 2½ lbs.



No. 33-603 Sanding Disc, 8½" diameter, mounts on 5/8"-18 L.H. thread motor shaft. 2½ lbs.

ABRASIVE PAPER AND DISK ADHESIVE

No. 46-815 Abrasive Paper, 8½" diameter, No. 40 grit, coarse garnet. 1 doz. 2 lbs.

No. 46-817 Abrasive Paper, 8½" diameter, No. 80 grit, fine garnet. 1 doz. 2 lbs.

No. 49-503 Disk Adhesive. For changing abrasive paper. 1 lb.

ROCKWELL DELTA RADIAL SAW ACCESSORIES



SANDING DRUMS

No. 33-278. 3" diameter x 3", with one sleeve. Fits $\frac{5}{8}$ "-18 L.H. thread motor shaft. 2 lbs.

No. 46-038 (old 830). 3" diameter x 3", with one sleeve. Fits $\frac{1}{2}$ " diameter shaft. 2 lbs.

No. 33-279. 1 $\frac{1}{4}$ " diameter x 2", with one sleeve. Fits $\frac{5}{8}$ "-18 L.H. thread motor shaft. 2 lbs.

No. 46-538 (old 835). 1 $\frac{1}{4}$ " diameter x 2", with one sleeve. Fits $\frac{1}{2}$ " diameter shaft. 1 lb.

No. 46-048 (old 840). 1 $\frac{1}{4}$ " diameter x 2 $\frac{1}{2}$ ", with one sleeve. With $\frac{1}{2}$ " shank to fit $\frac{1}{2}$ " adapters or chuck. $\frac{1}{2}$ lb.

SANDING SLEEVES

3" Diameter x 3" Sleeves. Package of 6. For use with No. 33-278 and No. 46-038 (old 830) Sanding Drums.

No. 46-138 (old 831). Coarse Garnet. 40 grit. $\frac{1}{2}$ lb.

No. 46-832 (old 832). Medium Garnet. 60 grit. $\frac{1}{2}$ lb.

No. 46-338 (old 833). Al. Oxide (for metal) 50 grit. $\frac{1}{2}$ lb.

1 $\frac{3}{4}$ " Diameter x 2" Sleeves. Package of 6. For use with No. 33-279 and No. 46-538 (old 835) Sanding Drums.

No. 46-638 (old 836). Coarse Garnet. 40 grit. $\frac{1}{4}$ lb.

No. 46-837 (old 837). Medium Garnet. 60 grit. $\frac{1}{4}$ lb.

No. 46-838 (old 838). Al. Oxide (for metal) 50 grit. $\frac{1}{4}$ lb.

1 $\frac{1}{16}$ " Diameter x 2 $\frac{1}{2}$ " Sleeves. Package of 6. For use with No. 46-048 (old 840) Sanding Drum.

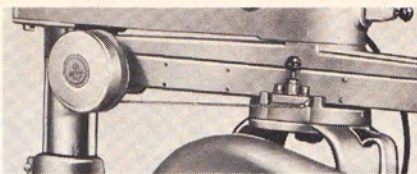
No. 46-841 (old 841). Medium Garnet. 50 grit. $\frac{1}{2}$ lb.

No. 46-248 (old 842) Fine Garnet. 80 grit. $\frac{1}{2}$ lb.

No. 46-847 (old 847). Al. Oxide (for metal). No. 50 grit. $\frac{1}{2}$ lb.



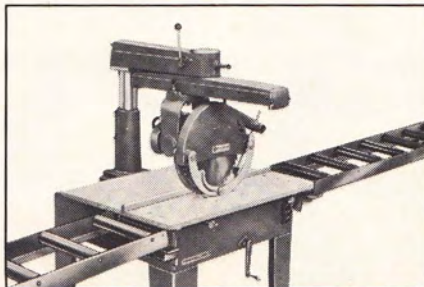
No. 33-544 Chain Feed Control. For 18" Radial Saw. Provides a constant, steady feed for cutting heavy timbers, gang sawing, rafter notching and other operations where a carefully controlled feed is required. Reduces waste and rejects. Special design permits operator to switch to regular saw operation in seconds. 8 lbs.



Safety Return Attachments. Offer important advantages of increased safety while reducing operator fatigue, particularly on repetitive cutting operations. Operator makes cut and cutterhead automatically returns to a safe, out-of-the-way position behind the guide fence. Stock then is safely positioned for the next cut.

No. 33-550. For 18" Radial Saw. 4 $\frac{1}{4}$ lbs.

No. 33-549. For 16" Radial Saw. 4 $\frac{1}{4}$ lbs.



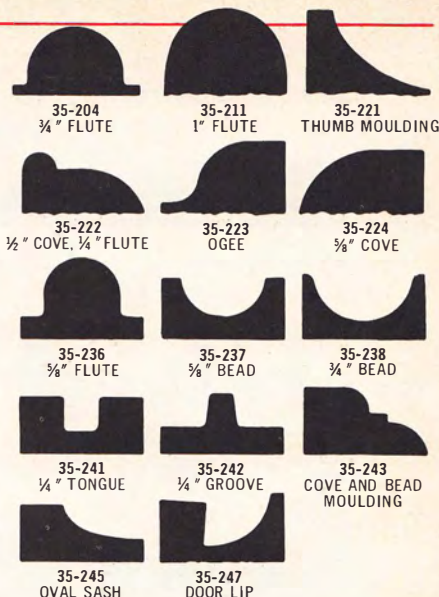
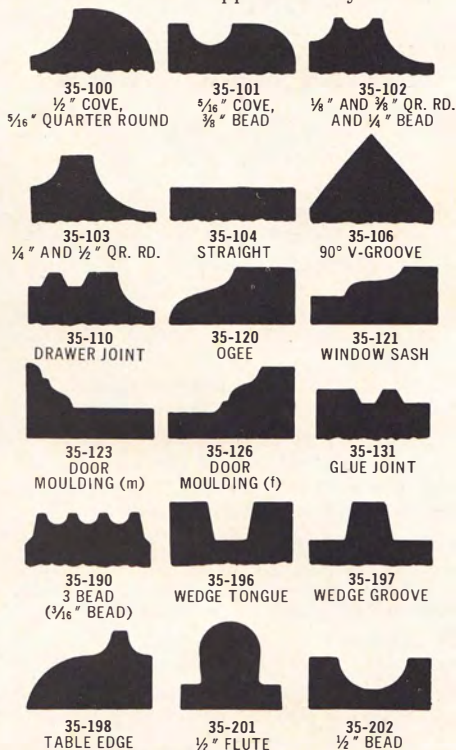
Extension Roller Table for Rockwell Delta 18", 16" and 14" Radial Saws. Use several extension tables to increase the speed of your cutting operations. Your material always moves in a straight line on a level table—no matter what cut you make.

No. 33-521 One Roller Extension Table, eight feet long, with eight 12-inch rollers and one adjustable support stand. For direct coupling to steel table of Rockwell Delta 18", 16", or 14" Radial Saw (specify Machine Catalog Number). 125 lbs.

MOULDING CUTTERHEAD KNIVES

Choose from 32 sets of Knives.

Knives are shown approximately $\frac{1}{2}$ size.



STRAIGHT CUTTERS— $\frac{1}{2}$ " hole.

1 $\frac{7}{8}$ " Diameter		
09-107	(Old D-107)	$\frac{1}{2}$ "
09-130	(Old D-130)	$\frac{3}{4}$ "
09-104	(Old D-104)	1"
09-105	(Old D-105)	1 $\frac{1}{2}$ "
1 $\frac{5}{8}$ " Diameter		
09-108	(Old D-108)	$\frac{1}{4}$ "
09-127	(Old D-127)	$\frac{3}{8}$ "
2 $\frac{1}{32}$ " Diameter		
09-139	(Old D-139)	$\frac{1}{4}$ "
09-129	(Old D-129)	$\frac{3}{8}$ "

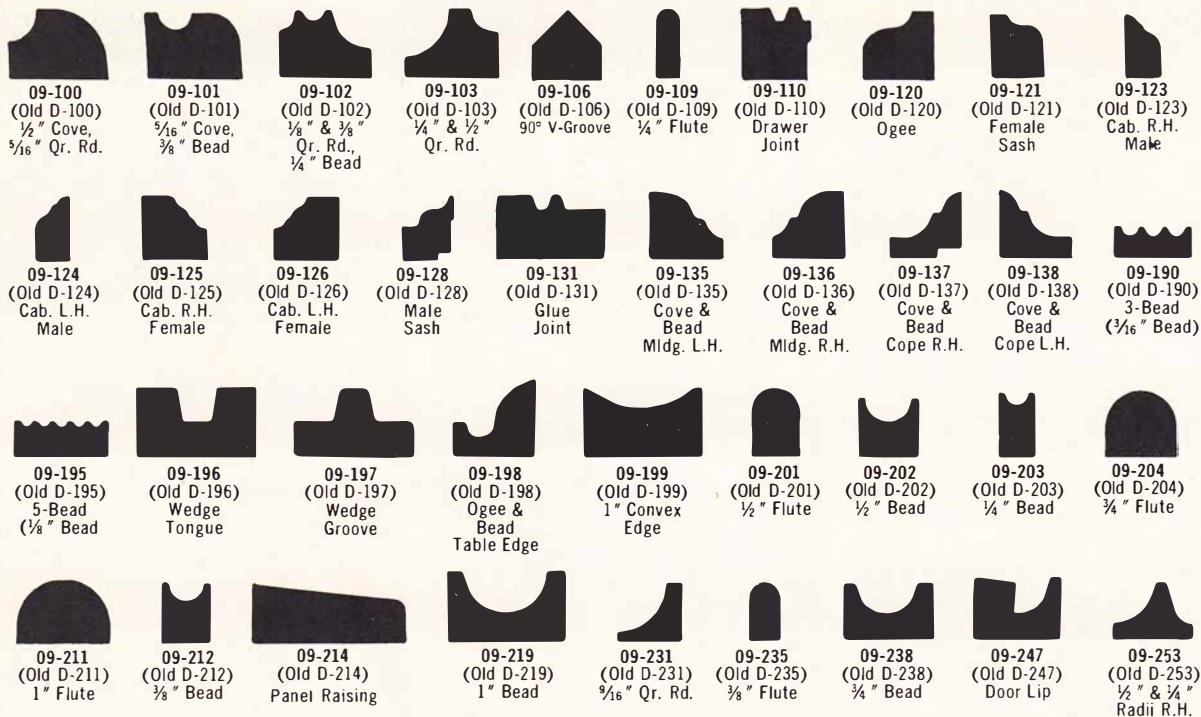
SPACING COLLARS— $\frac{1}{2}$ " hole.

1 $\frac{7}{8}$ " Thickness		
Number	Diameter	
09-133	(Old D-133)	$\frac{13}{16}$ "
1 $\frac{5}{8}$ " Thickness		
Number	Diameter	
09-150	(Old D-150)	1 $\frac{3}{8}$ "
1 $\frac{1}{4}$ " Thickness		
09-155	(Old D-155)	$\frac{3}{4}$ "
09-217	(Old D-217)	1 $\frac{1}{32}$ "
09-134	(Old D-134)	1 $\frac{1}{32}$ "
09-140	(Old D-140)	1 $\frac{3}{16}$ "
09-215	(Old D-215)	1 $\frac{1}{32}$ "
09-151	(Old D-151)	1 $\frac{1}{8}$ "
3 $\frac{3}{8}$ " Thickness		
09-142	(Old D-142)	$\frac{3}{4}$ "
09-171	(Old D-171)	1 $\frac{1}{32}$ "
09-143	(Old D-143)	$\frac{7}{8}$ "
09-172	(Old D-172)	$\frac{3}{16}$ "
09-144	(Old D-144)	1"
09-173	(Old D-173)	1 $\frac{1}{16}$ "
09-145	(Old D-145)	1 $\frac{1}{8}$ "
09-132	(Old D-132)	1 $\frac{1}{2}$ "
09-141	(Old D-141)	1 $\frac{3}{16}$ "
09-146	(Old D-146)	1 $\frac{1}{4}$ "
09-174	(Old D-174)	1 $\frac{1}{2}$ "
09-175	(Old D-175)	1 $\frac{1}{2}$ "
09-176	(Old D-176)	1 $\frac{1}{16}$ "
09-147	(Old D-147)	1 $\frac{1}{8}$ "
09-148	(Old D-148)	1 $\frac{1}{2}$ "
09-177	(Old D-177)	1 $\frac{1}{8}$ "
09-178	(Old D-178)	1 $\frac{1}{16}$ "
09-179	(Old D-179)	1 $\frac{13}{16}$ "
09-180	(Old D-180)	1 $\frac{1}{8}$ "
09-149	(Old D-149)	1 $\frac{15}{16}$ "

ROCKWELL DELTA RADIAL SAW ACCESSORIES

3-LIP SHAPER CUTTERS— $\frac{1}{2}$ " hole.

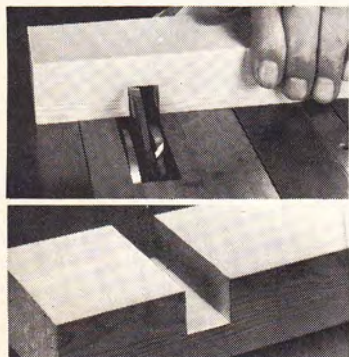
Choose from 38 3-lip cutters. Knives are shown $\frac{1}{2}$ " size.



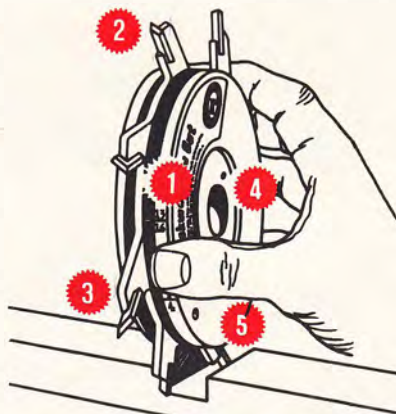
ROCKWELL TRU-CUT 6" ADJUSTABLE DADO



Makes fast, smooth cuts
on your saw with
complete accuracy.



The Rockwell Tru-Cut Dado is easy to use. You just dial the width of cut you want and get perfect results every time!



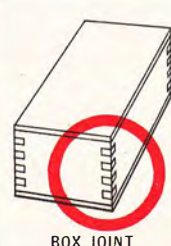
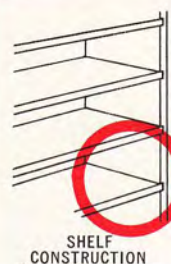
It's designed to operate on all saws with a $\frac{5}{8}$ " or $\frac{3}{4}$ " arbor (by removing bushing). Rockwell quality features include:

- 1. Easy-to-read markings** that permit quick selection of cuts from $\frac{1}{4}$ " to $1\frac{3}{16}$ " wide and up to $\frac{3}{4}$ " deep.
- 2. Super-sharp cutting teeth** that give cleanest cuts possible without frequent sharpening.
- 3. Teeth that are brazed to a solid steel body** for durability and long life.
- 4. Permanent locking** of dado in position for future duplication of cut.
- 5. Quick settings**—just loosen arbor nut and select new cutting width desired—no need to remove dado from saw arbor.

SPECIFICATIONS

Model No. 34-960
 Width of Cut $\frac{1}{4}$ " to $1\frac{3}{16}$ "
 Maximum Depth of Cut $\frac{3}{4}$ "
 No. of Teeth 8
 Fits Arbor $\frac{5}{8}$ " or $\frac{3}{4}$ "
 Speed Not to Exceed 7000 RPM
 Weight 2 Lbs.

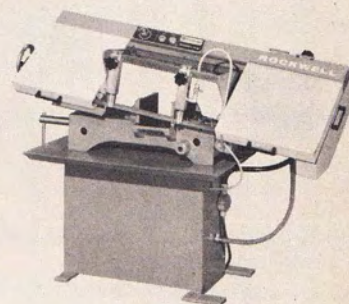
Make These Cuts and Many More With Your Rockwell Tru-Cut Dado



Time Cutters!



Model 7V, No. 20-900
With Accessory
20-902 Mobility Kit



Model 6W, No. 20-910

TWO NEW ROCKWELL HORIZONTAL BAND SAWS

The All New ROCKWELL DELTA Model 7V . . .
it's portable . . . it's productive . . . and the price is right!
This versatile band saw is well suited for use in industry,
the building trades and vocational schools.

The All New ROCKWELL Model 6W . . . a precision
cutting horizontal band saw that's designed for applications
on problem materials and where closer tolerances
are required.

**ROCKWELL DELTA INDUSTRIAL MACHINES
ARE "ENGINEERED FOR INDUSTRY"**

New Rockwell Delta Model 7V Horizontal Band Saw

B. Fast Blade Changes: Individual Blade Guards. With the Rockwell Delta Model 7V, blade changes are fast and easy because they are made at the *front* of the machine (not the back). Separate guard for each wheel permits accessibility to one wheel at a time for greater convenience and safety.

C. Enclosed Gear Box; Roller Chain Drive. Drive is fully enclosed to keep out coolant and harmful abrasive dust. Roller chain drive provides full, even power to drive wheel. Wheels are tapered and flanged for proper blade tracking.

D. Efficient Blade Guide System. Saw blade rides between roller bearings that may be easily adjusted to suit blade thickness. Back-up support bearing is positioned at an angle so as to provide greater bearing support, eliminating bearing wear and extending blade life. Husky locking mechanism firmly holds moveable guide in desired position.

E. Chip Removal Brushes. Entire saw blade travels between two extra wide wire brushes that efficiently remove chips from blade teeth. By preventing the recirculation of chips, blade life is greatly extended and you also get faster, more accurate cutting.

F. Variable Speed Drive. The Rockwell Delta Model 7V is the only cut-off saw in its price range that has a built-in variable speed drive with a range of 80 to 200 FPM.

You can select the *correct* speed for cutting all types of metals. Furthermore, you get faster, better cuts combined with longer blade life.

G. Feed Rate Control. The hydraulic dash pot control enables the operator to regulate the feed rate to obtain the best possible combination of speed and feed.

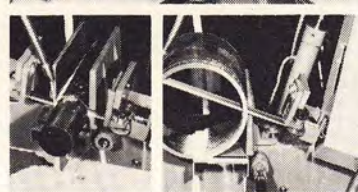
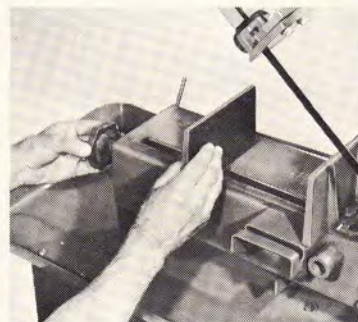
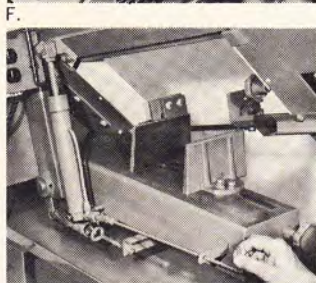
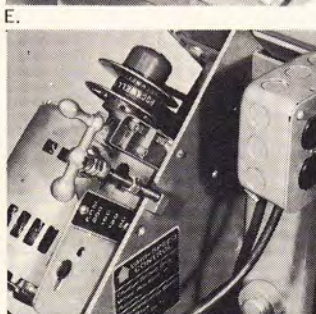
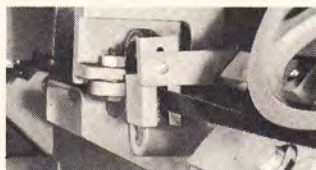
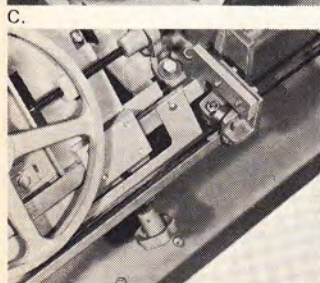
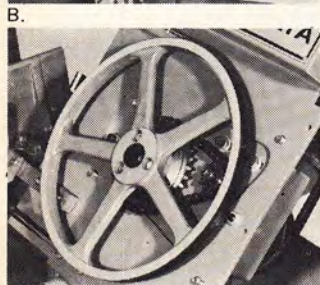
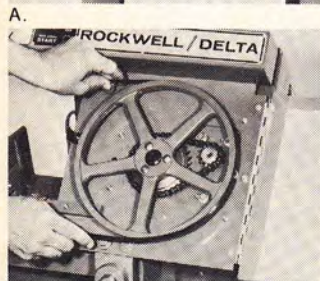
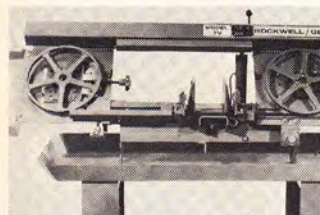
H. On-Off Control With Automatic Shut-Off. Machine and any accessories, such as the coolant pump, are controlled from the on-off switch and automatically shut off when the cut is completed. This provides added convenience and safety for the operator.

I. Quick-Positioning Vise. Vise jaws are fully adjustable and can be swivelled for cutting stock at any angle from 0° to 45°. To position moveable vise jaw instantly simply rotate control knob counterclockwise a half turn. To tighten vise, turn knob clockwise.

J. Rockwell Delta's Model 7V provides big capacity cuts on all types of stock—round and square bars, angles, tubes and plates.

ROCKWELL DELTA QUALITY FEATURES THAT ASSURE TOP QUALITY PERFORMANCE!

A. Rugged Saw Frame. Made of heavy structural steel square tubing, frame firmly supports motor, wheels and blade guide assemblies for accurate cutting. Coolant and chip tray (standard equipment) has bevelled design for easy chip removal and clean-up.

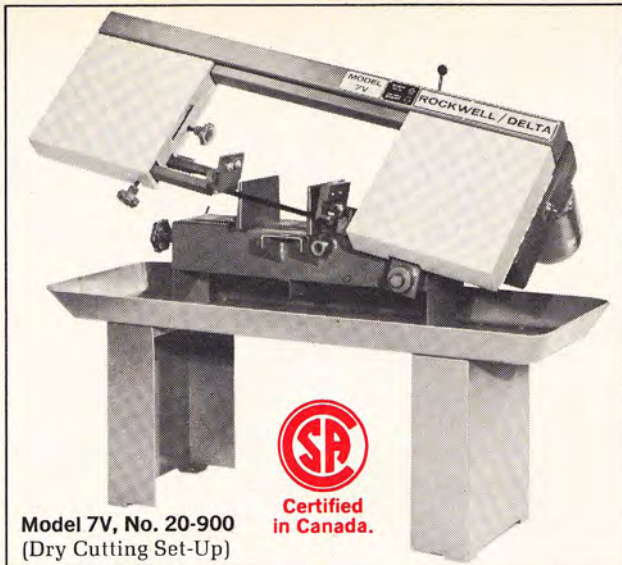


Rockwell Delta's Model 7V makes cuts fast to keep programs on schedule in the school shop or laboratory.

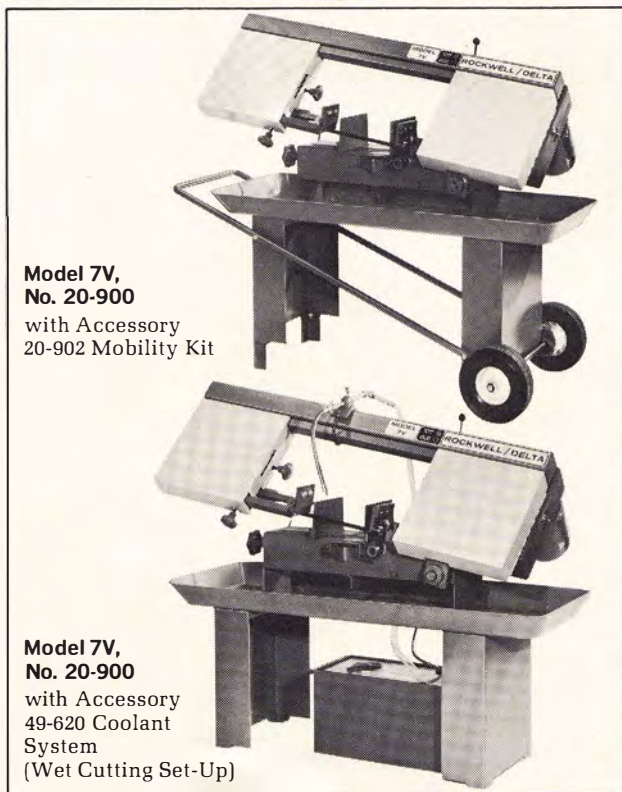


When equipped with the 20-902 Mobility Kit, the Model 7V can easily be moved on the job site to keep production moving.

NEW ROCKWELL DELTA MODEL 7V HORIZONTAL BAND SAW



Model 7V, No. 20-900
(Dry Cutting Set-Up)



Model 7V, No. 20-900
with Accessory
20-902 Mobility Kit

Model 7V, No. 20-900
with Accessory
49-620 Coolant
System
(Wet Cutting Set-Up)

Big capacity together with variable speed, all at an economical price, is what makes the New Rockwell Delta 7V such an outstanding value. What's more, you'll be surprised at the quality and speed of cut it will produce.

You can choose from three different model set-ups, too. There's a dry cutting model; however, if you want a wet model, you simply add the Rockwell 5-Gallon Coolant System. If you need a mobile unit for use right on the job site, you just add the Mobility Kit to the basic machine.

Now is the time to replace your hand and power hack saws with the "time cutter." Rockwell Delta's new 7V is well suited for many users—job shops, tool rooms, maintenance departments, metal fabricators, building trade contractors, vocational schools and teacher training colleges.

Let us show you how this "time cutter" can cut costs for you!

MACHINE DATA

Drive Motor	1/2 HP, 115 Volts, 1 Phase, 60 Cycle Only. No Other Voltages or Three Phase Motors Available For This Model.
Coolant Pump Motor (Accessory)	115 Volts, 1 Phase, 60 Cycle Only. No Other Voltages or Three Phase Motors Available for this Model. 5-Gallon Tank Capacity.
Controls	Toggle Switch, Full Voltage
Capacity:	
Diameter at 90°	7"
Rect. at 90°	7" x 10"
Rect. at 45°	4 3/4" x 7"
Blade:	
Length	95 1/2" (7 Ft. 11 1/2 In.)
Width	1 1/2" or 3/8"
Type	Carbon Alloy
Drive	Vari-Speed Pulley With Gear Box
Speed Range (FPM)	80 to 200
Blade Wheels	10" Diameter, Flanged, Cast Iron Wheels Driven by Chain and Sprocket
Head Control	Hydraulic Cylinder Operated by Needle Valve
Saw Guides	Roller and Roller Back-Up
Floor Space	24" x 48"
Net Weight	200 Lbs.

CATALOG LISTING

No. 20-900 Manual, Band Cut-Off Saw—Model 7V. Includes Basic Machine, Ready-To-Run, With 1/2 HP Motor, Toggle Switch Control, Roller Guides, Chip Removal Brushes (2), Coolant and Chip Pan, and 80 to 200 FPM Variable Speed Control. 200 lbs.

Note: For Wet Model Cut-Off Saw, Order 20-900 Basic Machine-Plus 49-620 5-Gallon Coolant System.

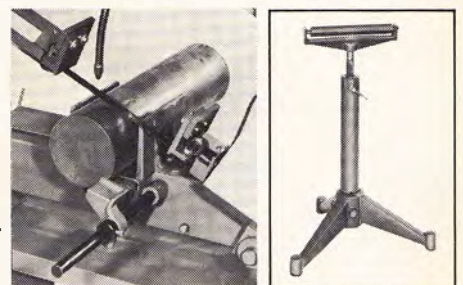
Note: For Mobile Cut-Off Saw, Order 20-900 Basic Machine Plus 20-902 Mobility Kit.

ACCESSORIES

No. 20-902 Mobility Kit. Includes two ball bearing wheels with rubber tires, curved handle and two riser blocks for left stand. Converts Model 7V to a portable unit so that it can be taken right to the job site. 30 lbs.

No. 20-903 Bar Stock Stop for repetitive cut-off to same length. 3 lbs.

No. 20-904 Bar Stock Stand, with adjustable height for easier work handling. 20 lbs.



METAL CUTTING BAND SAW BLADES

Regular set, hard-edge, flexible back blades for cutting all metals.

No. 20-905 Saw Blade, 1/2" wide, 10 TPI. 1 lb.

No. 20-906 Saw Blade, 3/8" wide, 10 TPI. 1 lb.

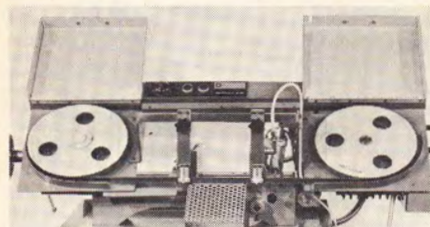
No. 20-907 Saw Blade, 1/2" wide, 8 TPI. 1 lb.

No. 20-908 Saw Blade, 3/8" wide, 8 TPI. 1 lb.

No. 49-620 5-Gallon Coolant System for 115 V, 60 cycle, single phase. Includes submersible pump with 1/4" male outlet, 5-gallon tank with screen and baffle, 6-foot plastic hose, flexible pipe with nozzle and valve, and 6-foot 3-conductor power cord with 3-prong 115 V grounding plug. 50 lbs.

NEW ROCKWELL MODEL 6W HORIZONTAL BAND SAW

ROCKWELL QUALITY FEATURES



A. Heavy Duty Frame; Massive Cast Iron Wheels; Individual Wheel Guards. Massive saw frame provides rigid support for saw guide arms and truer cutting. Extra large, cast iron wheels help prevent blade fatigue. Separate wheel guards permit accessibility to one wheel at a time for greater operator convenience.

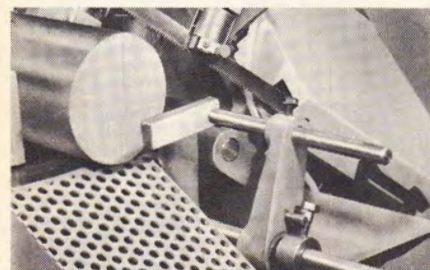
B. Ruggedly Built Blade Guides. Maintain excellent blade alignment. Can easily be moved to suit varying widths of work. Guides are factory set and contain spring-loaded, self-adjusting, carbide-faced saw guide inserts for continued accuracy and long blade life. Adjusting screws permit easy blade changes.

C. Blade Tension Control. To place tension on blade, operator simply turns large handwheel clockwise until blade is tight and does not slip. Blade tension is released by turning handwheel counter-clockwise.

D. Efficient, Powerful Drive. Ample power is supplied to the saw blade by the powerful, totally enclosed, fan-cooled motor which has far more horsepower than required. The positive drive step pulleys provide a range of four speeds. Speed changes can be made quickly by releasing belt tension.

E. Operating Controls. All controls are grouped in a console for operator convenience. Start and stop push buttons control the drive motor whereas a dial regulates the rate of feed. A limit switch shuts off the power at the completion of each cut.

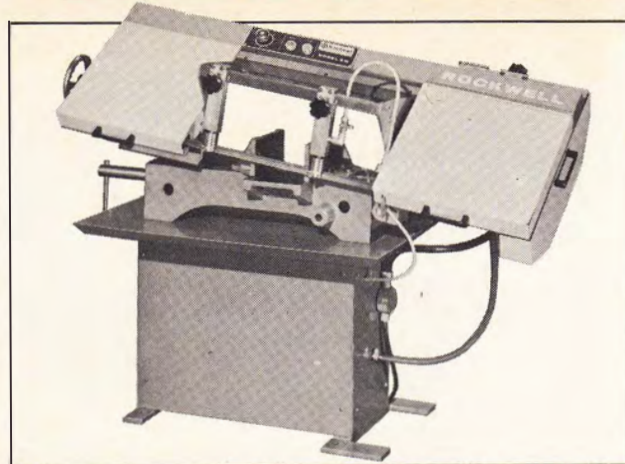
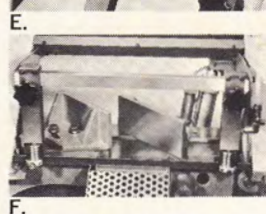
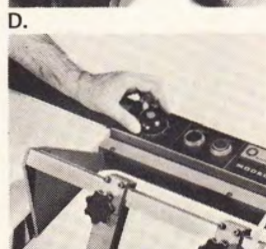
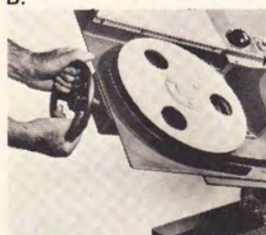
F. Large, Precision-Ground Vise. Vise jaws are fully adjustable and can be swivelled, permitting stock to be cut at any angle from 0° to 45°.



Adjustable Stock Advance Stop. The stock advance stop, which is furnished as standard equipment, can be positioned quickly for repetitive cutting of stock to same length.

ROCKWELL QUALITY EXTRAS

- Rugged, one-piece bed and ways.
- Needle roller pivot bearings.
- Built-in coolant system.
- Large diameter, easily replaced hydraulic and coolant lines.
- Allen-Bradley magnetic starter.



A Fast Cutting, Accurate, Easy-To-Operate Band Saw!

Ruggedly built, this modernly designed Rockwell Horizontal Band Cut-Off Machine will give you the high quality performance you require—square cuts, parallel cuts, flat cuts. And it will give you these cuts unbelievably fast. Designed for use with both high speed and intermediate alloy blades, Model 6W can be used for fast cut off in a wide variety of metals.

But don't take our word for it. Ask to see this "time cutter" in action today!

MACHINE DATA

Drive Motor 1 HP, 230 Volts, 3 Phase, 60 Cycle Only.
No Other Voltages or Single Phase Motors Available For This Model.

Coolant Pump 1/12 HP, 230 Volts, 3 Phase, 60 Cycle Only.
No Other Voltages or Single Phase Motors Available For This Model. 1 3/4-Gallon Tank Capacity.

Controls Allen-Bradley Full Voltage Magnetic Capacity:

Diameter at 90° 6"
Diameter at 45° 5"
Square at 90° 5 3/4"

Blade:
Length 107" (8 Ft. 11 In.)
Width 3/4"
Thickness032"
Type High Speed Steel, or Carbon Alloy

Drive Step Pulley, V-Belt

Speed Range (FPM):
60 to 215 from 4-Step Pulley 60-100-150-215 FPM

Blade Wheels 12" Diameter, Flanged, Cast Iron Wheels
Driven by Worm Gear at 28:1 Ratio

Head Control Hydraulic Cylinder Operating as a "Hydra-Check" Device to Prevent Excessive Feed Rate.
Schrader Hydraulic Cylinder and Compensator With Ermeto Needle Valve Control Mechanism.

Saw Guides Carbide Faced-Roller Type Lateral Bearing

Floor Space 33 1/2" x 54"

Net Weight 465 Lbs.

CATALOG LISTING

No. 20-910—Manual, Band Cut-Off Saw—Model 6W. Includes Basic Machine, Ready-To-Run, with 1 HP Motor, Allen-Bradley Magnetic Starter, 1/2 HP Coolant Pump, Tank and Fittings, Coolant and Chip Pan, Pulleys, Belts, Carbide Saw Guides. 465 lbs.

ACCESSORIES

No. 20-940 Bar Stock Stand, with adjustable height, for easier work handling. 75 lbs.

No. 20-949 One-Quart Can "Mobile-DTE (Light)". For hydraulic system. 5 lbs.



No. 20-940



Certified
in Canada.

Production
Band Saws
Sold in Canada
Are Wired 230 V
or 575 V, 3 Phase,
60 Cycle Only.



New Rockwell Production Band Saws

**Fastest Cutting, Most Accurate,
Easiest to Operate Production Saws...at the Price!**

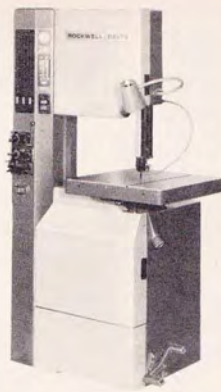
6 MODELS...MANUAL TO AUTOMATIC...6" TO 12" CAPACITY

We know and will prove to you that Rockwell's All-New Production Band Saws will increase your production while lowering your cost per saw cut. Here's why. They are ruggedly built, precision machines and incorporate modern design throughout. That's why Rockwell Production Band Saws will give you the high quality performance you want—square cuts, parallel cuts, flat cuts. And they will give you these cuts unbelievably fast.

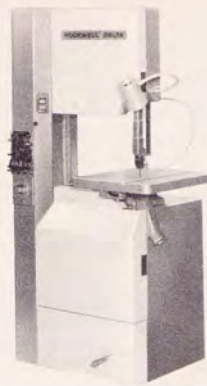
Designed for use with high speed and interme-

diate alloy blades, Rockwell Production Band Saws provide exceedingly fast cuts on bars, tubes and extrusions in a wide variety of metals. And they save stock, too, because of the small quantity of material removed per cut. Rockwell Production Band Saws will save you up to 50% on cuts compared with power hacksaws . . . even greater savings over cold saws.

Don't take our word for it. We'll prove that the Rockwell Production Band Saw Line is right for you!



NEW 20" METAL CUTTING
VARIABLE SPEED BAND SAW



NEW 20" WOOD/NON-FERROUS
CUTTING BAND SAW



14" METAL CUTTING
BAND SAW



14" WOOD CUTTING
BAND SAW

Better Performance!

**That's what these
Rockwell Delta Band Saws
are all about!**

You can count on any one of these Rockwell Delta Band Saws. Here's why. They offer many exclusive, improved features plus high quality construction throughout. Result!—you get *increased job flexibility* combined with *higher production performance*.

Take the Rockwell Delta 20" Metal Cutting Model, for example. The foot-operated speed changer lets you select the *exact speed* you require in seconds. Or consider the Delta 20" Wood/Non-Ferrous Cutting Model. Its unique "finger type" blade guides support the blade right down to the work, yet pivot away to store in place. Next, check Delta's 14" Wood Cutting Band Saw. It offers *extra safe, independently adjustable* blade guides that adjust with micrometer accuracy. Finally, consider Delta's 14" Metal Cutting Model. It lets you shift *instantly* from direct to gear drive . . . and you have a selection of eight cutting speeds.

Go for **BETTER PERFORMANCE!**
Go for the entire Rockwell Delta Band Saw Team!

New Rockwell Delta 20" Wood/Non-Ferrous Cutting Band Saw

DELTA QUALITY FEATURES

A. Quick Change Tires. The specially constructed, "Snap-Lock" plastic tires are precision molded of tough, wear resistant TEXIN which is not affected by oil or commercial solvents. These tires do not have to be cemented to the wheel, never need to be ground or balanced, *will not come loose*. They can be replaced in about 10 minutes *without* removing the wheels.

B. Rugged Table Construction. Table is a big 20" x 24 1/4" in size. Two massive trunnions, 17" apart—one on *each side* of the saw blade—give solid support to the table. Handy tilt scale shows exact angle of cut.

C. Handy Blade Tension and Tracking Controls. Facilitate accurate adjustment of both blade and wheel. Eye-level tension scale inside cabinet enables operator to select exact tension to suit the job.

D. E. Exclusive Blade Guide Design. Unique "finger type" blade guides support blade right down to work, yet pivot away to store in place. Lower guide supports blade to within 1 3/16" from table surface. Two large ball bearings provide extra rigid backup blade support. "Clear-view" protective guard keeps fingers away from blade, even when table is tilted to 45°.

F. Telescopic Blade Guard. Wrap-around design encloses blade from guide to upper wheel housing for maximum operator protection. Solid guide bar absorbs back thrust and is counter-balanced to hold blade guide at any position.

G. Exclusive Rockwell Safety Control Station—Shrouded, green "start" button prevents accidental starts while protruding red "stop" button is extra large for quick emergency stops. Switch cover and buttons are made of non-conductive material for added safety.

DELTA QUALITY EXTRAS

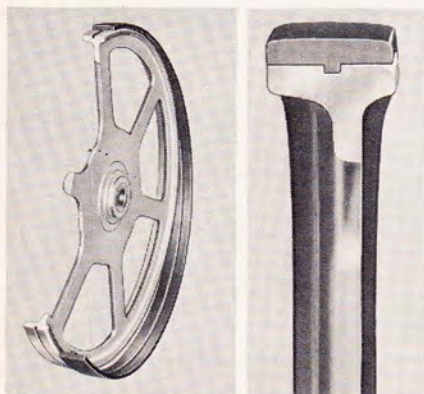
Lightweight Aluminum Wheels, precision balanced with rims fully machined concentric to shaft hole, guarantee smoother, safer running, even at high speeds.

Exclusive "Locked-In" Table Insert cannot rotate because it contains a tiny lug that engages the blade removal slot. Therefore, the insert won't get chewed up by the blade and the operator need not endanger his fingers to turn the insert to the correct position.

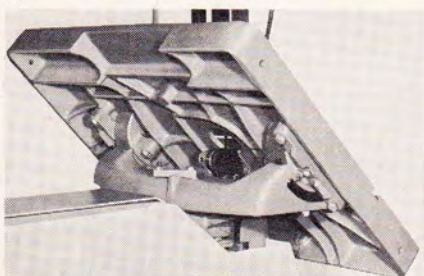
Built-In Blade and Tire Cleaning Brushes provide continuous cleaning action that greatly lengthens blade and tire life.



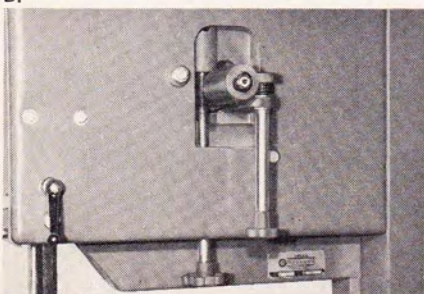
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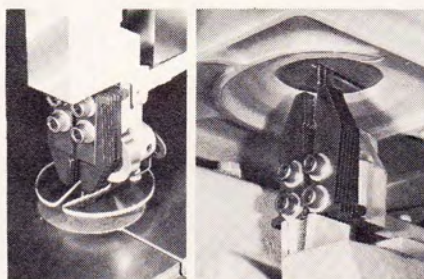
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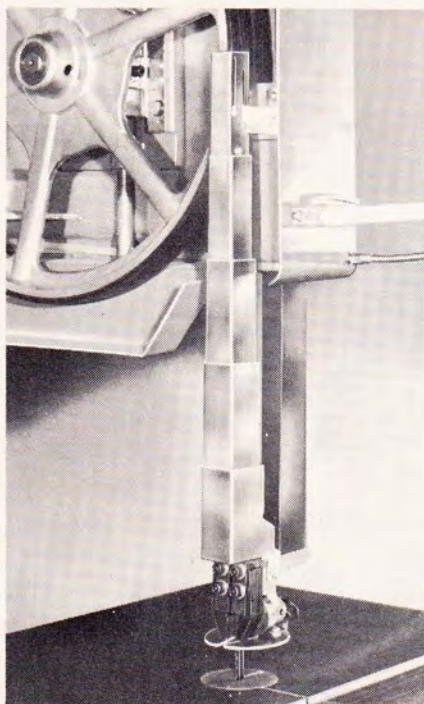


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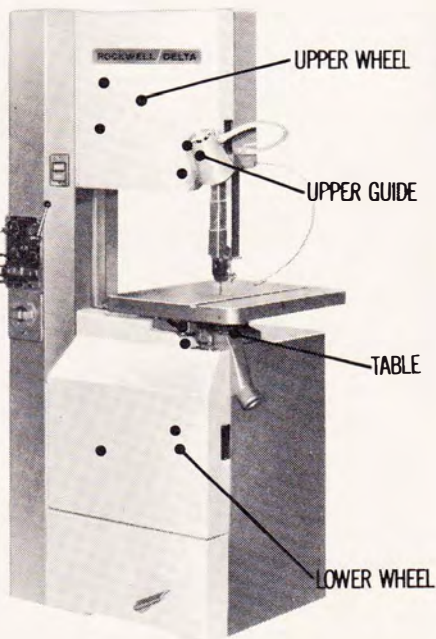


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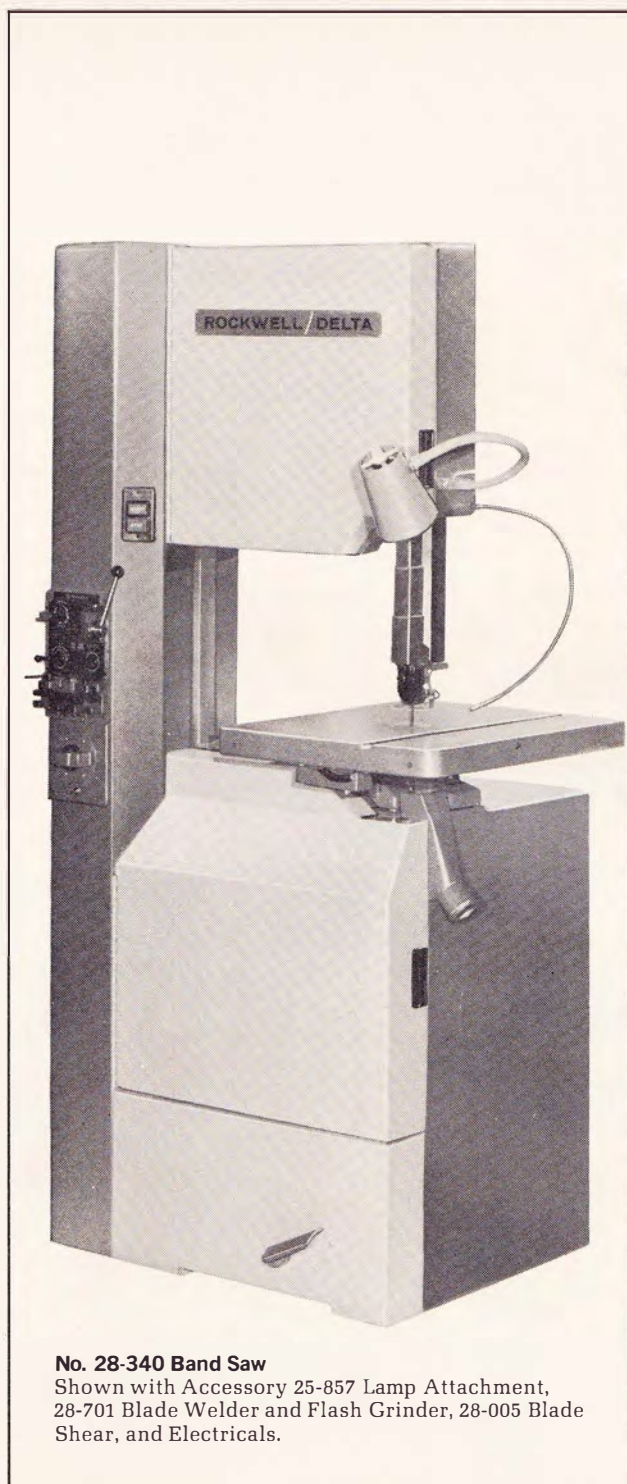
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Unique "3-Point" Adjustability.

Only Delta 20" Band Saws incorporate a "3-point" adjustability feature whereby the upper wheel, upper guide bracket, table and lower wheel can be minutely adjusted one to another. This exclusive, built-into-the-frame feature assures continued factory-adjusted machine alignment and perfect saw cuts for the life of the machine.

NEW ROCKWELL DELTA 20" WOOD/NON-FERROUS CUTTING BAND SAW



No. 28-340 Band Saw
Shown with Accessory 25-857 Lamp Attachment,
28-701 Blade Welder and Flash Grinder, 28-005 Blade
Shear, and Electricals.

Only Rockwell Delta makes available a 2-Speed 20" Band Saw. This means you get "double duty"—a machine that offers a 4500 FPM speed for cutting wood and a 2000 FPM speed for cutting non-ferrous metals. This dual-speed range, combined with rugged construction throughout, makes this unit especially suited for use in woodworking plants, furniture factories, cabinet and pattern shops, aluminum fabricating plants and school shops.

Built for heavy duty work, this versatile band saw incorporates many of the fine features offered in the New Delta Metal Cutting Model. That's why it will handle your toughest jobs, day after day, year-in and year-out with little or no maintenance.

Stop and see this "profit builder" in action today!

MACHINE DATA

Capacity:

Blade to Column	19 $\frac{3}{4}$ "
Maximum Height Under Top Guide	13 $\frac{1}{2}$ "
Height Under Upper Wheel Guard	12 $\frac{1}{2}$ "

Table:

Size	20 x 24 $\frac{1}{2}$ "
Front to Center of Blade	10 $\frac{1}{2}$ "
Size of Groove for Miter Gage	$\frac{3}{8}$ " x $\frac{3}{4}$ "
Center of Blade to Rear Edge of Table	13 $\frac{1}{2}$ "
Tilts	12° Left and 45° Right
Trunnions	17" Apart
Height From Floor	42 $\frac{1}{2}$ "

Speeds (with 1725 RPM Motor) 2000 and 4500 FPM
(To obtain non-ferrous cutting speed of 2000 FPM, simply change V-belt supplied.)

Wheels:

Diameter (Tire Mounted) 20 $\frac{1}{8}$ "; Width 1 $\frac{1}{4}$ "

Blades:

Length Standard 150", Maximum 151", Minimum 147"
Maximum Width 1"

Floor Space Required 30 $\frac{3}{4}$ x 42"

Overall Dimensions:

Front to Rear ... 30 $\frac{3}{4}$ "; Left to Right ... 42"; High ... 79 $\frac{1}{2}$ "

Chip Chute Connection Diameter 2 $\frac{1}{4}$ "

Motor Plate Will Accommodate NEMA 143T, 145T, 182T and 184T Frame Motors.

Shipping Weight (Approx.) Less Motor and Control.. 698 Lbs.

STANDARD EQUIPMENT

Basic Machine includes 20" Wood/Non-Ferrous Cutting Band Saw with foot brake, chip chute, adjustable blade guides, "clearview" protective blade guard, blade tension indicator, $\frac{3}{8}$ " blade, motor pulley and V-belt. Extra belt included for 2000 FPM speed.

CATALOG LISTING

No. 28-340 2-Speed, 20" Wood/Non-Ferrous Cutting Band Saw, less electricals. Includes Standard Equipment as listed. 698 lbs.

NOTE: See Section J5 for Band Saw Accessories.

MOTORS AND CONTROLS (Factory Mounted and Wired)

MOTOR	MOTOR CONTROL	MOTOR ENCLOSURE	HERTZ AND MOTOR RPM	MOTOR VOLTAGE	SHIPPING WT., LBS	CATALOG NUMBER	CAT. NO. 200V	CAT. NO. 575 V
Single Phase, 1 Horsepower	Push Button Switch Only	TEFC	60-1725	115/230	57	*52-439		
	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-1725	115/230	61	*52-440		
Single Phase, 2 Horsepower	Push Button and Overload Switches	TEFC	60-1725	230	86	52-441		
	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-1725	230	88	52-442		
Three Phase, 2 Horsepower	Push Button Switch and Magnetic Starter	TEFC	60-1725	230/460	68	52-444	52-447	52-450
	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-1725	230/460	73	†52-445	52-448	52-451

NOTE: Single phase 1 HP electricals will be supplied wired for 230 V, unless 115 V is specified. Single phase dual-voltage 2 HP electricals will be supplied wired for 230 V only. Three phase electricals will be supplied wired for 230 V, unless 460 V is specified. Power Cord and Plug supplied for single phase only. Motors and Motor Controls for Rockwell

Delta 20" Band Saws may be ordered unmounted. For listing, see Sections P and Q. †No. 49-000 "JIC" Type Control Kit. Specify this Catalog Number, in addition to Three Phase Cat. No. 52-445, in order to obtain 20" Band Saw with "JIC" type electricals, factory mounted and wired. *Supplied only for woodworking applications.

New Rockwell Delta 20" Metal Cutting Variable Speed Band Saw

DELTA QUALITY FEATURES

A. B. Exclusive Blade Guide Design. Unique "finger type" blade guides support blade right down to work, yet pivot away to store in place. Lower guide supports blade to within $1\frac{3}{16}$ " from table surface. Two large ball bearings provide extra rigid backup blade support. "Clear-view" protective guard keeps fingers away from blade, even when table is tilted to 45°.

C. Telescopic Blade Guard. Wrap-around design encloses blade from guide to upper wheel housing for maximum operator protection. Solid guide bar absorbs back thrust and is counter-balanced to hold blade guide at any position.

D. Foot-Operated Speed Changer. For fast speed changes. Operator simply pushes forward with toe to increase speed . . . down with heel to decrease speed. Easy-to-use control frees operator's hands for positioning work, also saves valuable production time.

E. Exclusive Rockwell Safety Control Station—Push buttons are color coded—green for "start" and red for "stop." Shrouded

"start" button prevents accidental starts while "stop" button is extra large for quick, emergency stops. Switch cover and buttons are made of non-conductive material for added safety.

E. Handy Blade and Speed Chart. Aids operator in selecting the correct blade and speed for cutting many ferrous and non-ferrous metals, also non-metallic materials such as Formica and wood. Chart also gives minimum cutting radius for different blade widths.

E. Convenient Blade Speed Indicator. Located at eye level for easy reading. Right-hand column indicates low, back gear blade speeds whereas left-hand column provides high, direct drive readings.

F. Massive, Extra Rigid Table. Scientifically ribbed, more than two-foot square table rests on two solid trunnions, spaced 17" apart. Side take-out slot for blade permits trunnion support in front of the blade, where work load is greatest. Compare this table mounting with others that have the trunnions located behind the blade which results in lengthy table overhang and inadequate support for heavy work loads.

G. Quick Change Tires. The specially constructed, "Snap-Lock" plastic tires are precision molded of tough, wear resistant TEXIN which is not affected by oil or commercial solvents. These tires do not have to be cemented to the wheel, never need to be ground or balanced, will not come loose. They can be replaced in about 10 minutes without removing the wheels.

H. Protected Drive Selector. "Hi-Lo" drive selector, for shifting transmission from direct drive to back gear, is located out of the way, inside lower cabinet. This prevents accidental shifting while blade is running.

DELTA QUALITY EXTRAS

Unique "3-Point" Adjustability. Only Delta 20" Band Saws incorporate a "3-point" adjustability feature whereby the upper wheel, upper guide bracket, table and lower wheel can be minutely adjusted one to another. This exclusive, built-into-the-frame feature assures continued factory-adjusted machine alignment and perfect saw cuts for the life of the machine.

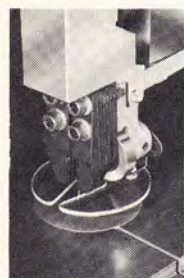
Chip Blower keeps cutting line free of chips for truer sawing.

Lightweight Aluminum Wheels, precision balanced with rims fully machined concentric to the shaft hole, guarantee smoother, safer running, even at high speeds.

Handy Blade Tension and Tracking Controls facilitate accurate adjustment of both blade and wheel. Eye-level tension scale inside cabinet enables operator to select exact tension to suit the job.

Exclusive "Locked-In" Table Insert cannot rotate and get chewed up by the blade.

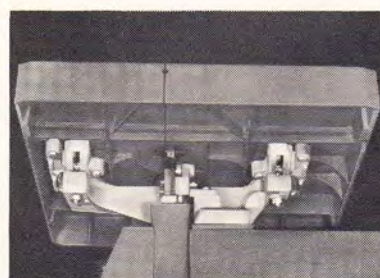
Built-In Blade and Tire Cleaning Brushes provide continuous cleaning action that lengthens blade and tire life.



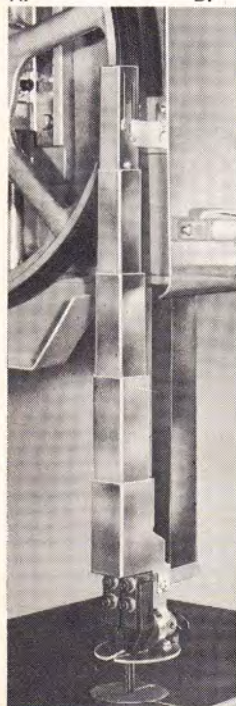
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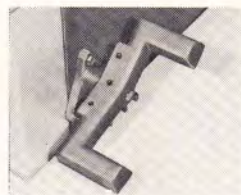
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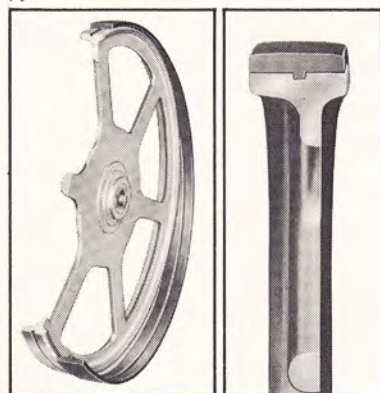
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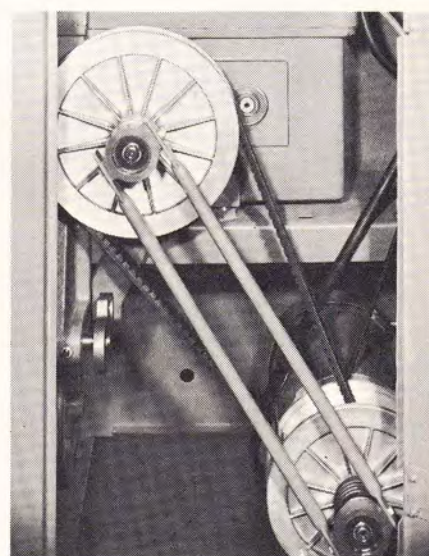


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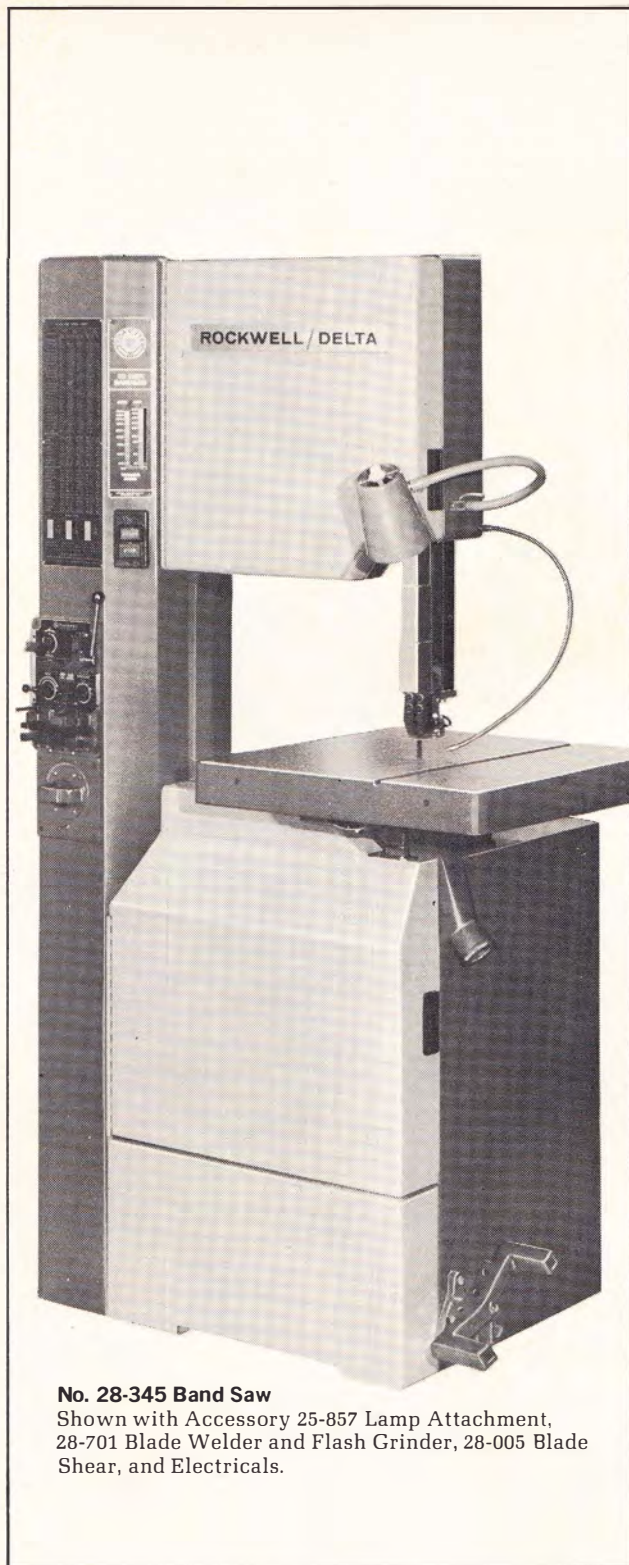


Wide Range Variable Speed Drive. Provides a tremendous speed range that is infinitely variable . . . 50 to 530 FPM in gear drive . . . 450 to 4500 FPM in direct drive (no blind spots) for cutting anything that can be sawed.

Flush-Mounted Welder, Grinder and Blade Shear (Accessories). Mounted out of the way, right in the column. Make quick, strong, high quality welds from $\frac{1}{8}$ to 1" wide.



NEW ROCKWELL DELTA 20" METAL CUTTING VARIABLE SPEED BAND SAW



No. 28-345 Band Saw

Shown with Accessory 25-857 Lamp Attachment, 28-701 Blade Welder and Flash Grinder, 28-005 Blade Shear, and Electricals.

This All-New Rockwell Delta 20" Variable Speed Band Saw has no equal! Why? Because it has unique "finger type" blade guides that guarantee better blade support for more accurate sawing. The extra wide variable speed drive, that provides a range of 50 to 4500 FPM, lets you saw everything from stainless steel to wood. And the foot-operated speed changer helps you make speed changes fast, while your hands are free to position the work.

These are just a few reasons why this unit is suited for all types of users—tool rooms, machine shops, foundries, pattern shops, vocational and technical schools.

But don't take our word for it. Let us prove the capabilities of this great, new Delta Band Saw by giving you a "proof-by-performance" test today!

MACHINE DATA

Capacity:

Blade to Column19 $\frac{3}{4}$ "
Maximum Height Under Top Guide12 $\frac{1}{2}$ "
Height Under Upper Wheel Guard12 $\frac{1}{2}$ "

Table:

Size3 x 24 $\frac{1}{4}$ x 24 $\frac{1}{4}$ "
Front to Center of Blade10 $\frac{1}{2}$ "
Size of Groove for Sliding Jig $\frac{3}{8}$ x $\frac{3}{4}$ "
Center of Groove to Blade4 $\frac{1}{8}$ "
Tilts12° Left and 45° Right
Height From Floor42 $\frac{1}{2}$ "

Speeds (with 1725 RPM Motor):

Infinite Choice of Speeds in Gear Drive 50 to 530 FPM
Infinite Choice of Speeds in Direct Drive ..450 to 4500 FPM

Wheels:

Diameter (Tire Mounted)20 $\frac{1}{8}$ "; Width1 $\frac{1}{4}$ "

Blades:

LengthStandard 150", Maximum 151", Minimum 147"
Maximum Width1"

Floor Space Required30 $\frac{3}{4}$ x 44"

Overall Dimensions:

Front to Rear ...30 $\frac{3}{4}$ "; Left to Right ...44"; High...79 $\frac{1}{2}$ "

Chip Chute Connection Diameter2 $\frac{1}{4}$ "

Motor Plate Will Accommodate NEMA 143T, 145T, 182T and 184T Frame Motors.

Shipping Weight (Approx.) Less Motor and Control ..826 Lbs.

STANDARD EQUIPMENT

Variable Speed Drive complete with belts and pulleys, counter-balance for upper blade guide, "clear-view" protective blade guard, chip blower, chip chute, chip removal brushes (2), blade and speed chart, and one blade ($\frac{1}{2}$ ", 18 teeth, metal cutting).

CATALOG LISTING

*No. 28-345 20" Metal Cutting Variable Speed Band Saw, less electricals. Includes Standard Equipment as listed. 826 lbs.

*NOTE: Shipped only with motor and motor control which are factory mounted and wired.

NOTE: See Section J5 for Band Saw Accessories.

MOTORS AND CONTROLS (Factory Mounted and Wired)

MOTOR	MOTOR CONTROL	MOTOR ENCLOSURE	HERTZ AND MOTOR RPM	MOTOR VOLTAGE	SHIPPING WT., LBS	CATALOG NUMBER	CAT. NO. 200V	CAT. NO. 575 V
Single Phase, 2 Horsepower	Push Button and Overload Switches	TEFC	60-1725	230	86	52-441		
	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-1725	230	88	52-442		
Three Phase, 2 Horsepower	Push Button Switch and Magnetic Starter	TEFC	60-1725	230/460	68	52-444	52-447	52-450
	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-1725	230/460	73	52-445	52-448	52-451

NOTE: Single phase electricals will be supplied wired for 230 V only. Three phase electricals will be supplied wired for 230 V, unless 460 V is specified. Power Cord and Plug supplied for single phase only. †No.

49-000 "JIC" Type Control Kit. Specify this Catalog Number, in addition to Three Phase Cat. No. 52-445, in order to obtain 20" Band Saw with "JIC" type electricals, factory mounted and wired.

Rockwell Delta 14" Wood Cutting Band Saw

DELTA QUALITY FEATURES

A. Smooth Running Wheels—Light weight magnesium wheels are precision balanced with rims fully machined concentric with the shaft hole, for smooth running. Recess in rim eliminates use of messy cement—makes tire changing easy.

B. Superior Upper Blade Guide Construction—Upper guide has separate, safe, remote control micrometer adjustments for ball bearing blade support and blade

guide blocks. Guides and blade supports adjust independently.

C. Precision Lower Blade Guides—Lower blade guides have safe, accurate, remote control micrometer adjustment. Lower guides support blade to within $\frac{3}{4}$ " of table work surface—assure accurate cutting.

D. Special Table Stop—Adjustable sleeve provides positive stop for table at level position. Can be removed for a 10° left tilt. Table tilts full 45° to the right.

E. Specially Designed Table—Side take-out slot for blade permits use of solid front trunnion (not split for blade removal) located directly under work load. Rip fence guide rails need not be removed when changing blades.

F. Exact Tension Blade Scale—Direct reading scale on blade tension adjustment shows correct tension for different blade widths. Scale readings are not affected by variable blade lengths.

G. Exclusive "Locked-In" Table Insert Cannot Rotate because there is a slot in the insert which meshes with a pin in the table. Therefore, the insert won't get chewed up by the blade and the operator need not endanger his fingers to turn the insert to the correct position.

H. Exclusive Rockwell Safety Control Station—Push buttons are color coded—green for "start" and red for "stop". Shrouded "start" button prevents accidental starts while "stop" button is extra large for quick, emergency stops. Switch cover and buttons are made of non-conductive material for added safety.

DELTA QUALITY EXTRAS

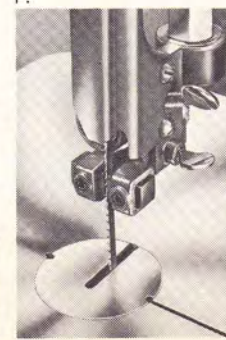
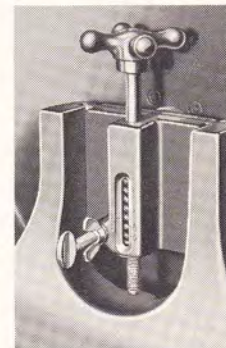
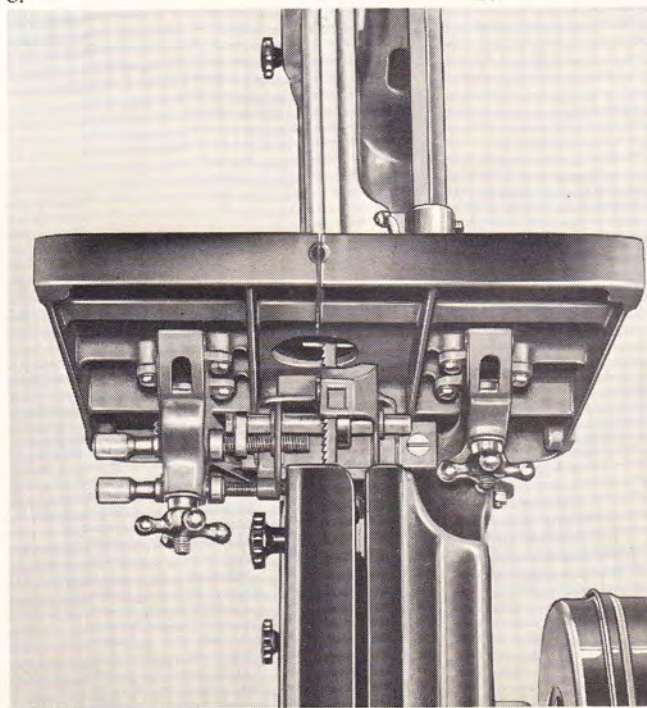
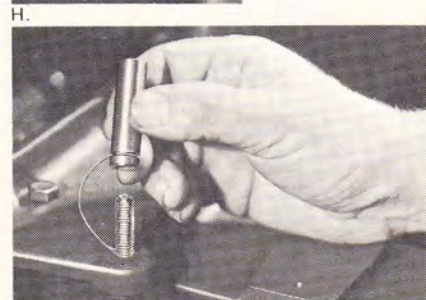
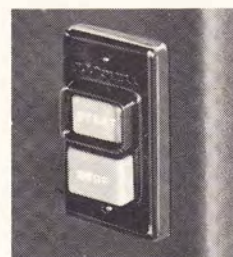
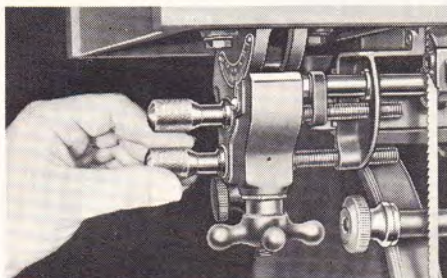
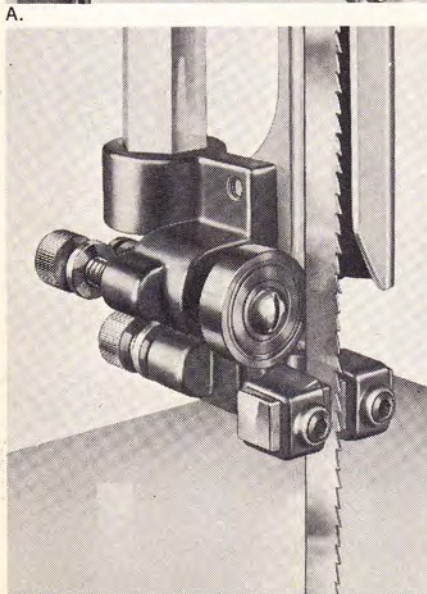
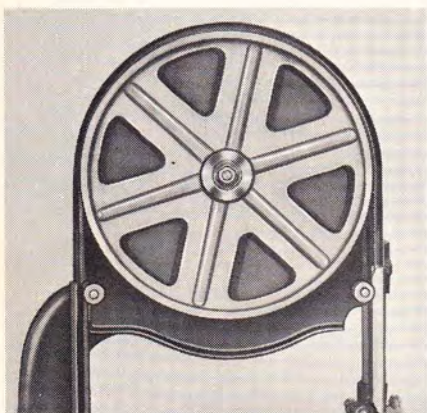
Double-Sealed, Lubricated-For-Life Ball Bearings for upper and lower wheels and blade supports insure many years of trouble-free performance.

Upper and Lower Wheels are completely guarded. All portions of blade are enclosed and guarded except portion actually cutting material.

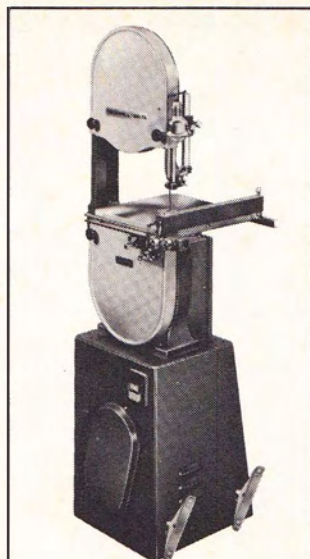
Rugged 14x14" Table has a $\frac{3}{8} \times \frac{3}{4}$ " miter gage groove. Machined for rip fence. Widely spaced double trunnions and heavy ribbing provide rigid support for work.

Guides are finest type ever offered. Each adjusts independently of the other, also adjusts with micrometer accuracy. Guide pins can be set to blade teeth without disturbing the setting of the blade supports; blade supports can be set without altering adjustment of guide pins. Ball bearing blade supports are reversible and double-sealed.

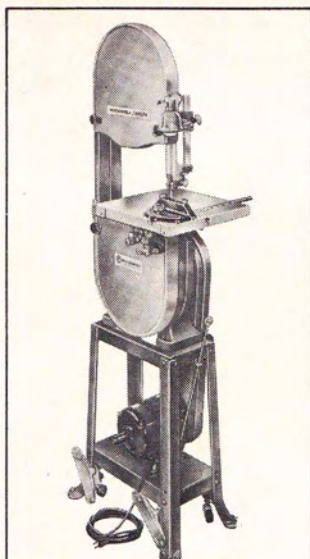
Magnesium Wheels are carefully balanced for true running, also rimmed for proper mounting of tire.



ROCKWELL DELTA 14" WOOD CUTTING BAND SAW



14" Wood Cutting Band Saw Shown on Enclosed Steel Stand With Accessory Rip Fence, Lamp Attachment, Retractable Casters and Electricals.



14" Wood Cutting Band Saw Shown on Open Steel Stand With Accessory Sliding Jig, Lamp Attachment, Retractable Casters and Electricals.

A Versatile Production Saw That's Ideal for Every Shop!

This low-cost Rockwell Delta 14" Wood Cutting Band Saw is well suited for the school shop, cabinet shop, furniture factory, pattern shop, sign and display shop, maintenance department and many other installations. It's ideal for contour cutting, straight cutting or resawing (especially with the No. 28-984 Height Attachment) of a wide variety of materials.

Economical in price, it comes equipped with a standard blade for wood cutting. When desired, the machine can be used with skip tooth blades for cutting wood, plastic, building materials, bakelite, non-ferrous metals such as aluminum and copper, and similar stock.

Investigate this widely-used Delta Band Saw today!

ENCLOSED STEEL STAND WITH BELT GUARD, MOTOR AND CONTROLS (Factory Mounted and Wired)

NOTE: Enclosed Steel Stands With Electricals Can Be Ordered Either With Or Without the Basic No. 28-200 14" Band Saw.

MOTOR	MOTOR CONTROL	MOTOR ENCLOSURE	HERTZ AND MOTOR RPM	MOTOR VOLTAGE	SHIPPING WT., LBS.	CATALOG NUMBER	CAT. NO. 200V
Single Phase, 1/2 Horsepower	Push Button Switch Only	TEFC	60-1725	115/230	80	49-963	
	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-1725	115/230	81	49-964	
Three Phase, 1/2 Horsepower	Push Button Switch Only	TEFC	60-1725	230/460	82	49-969	52-110
	Push Button Switch with Magnetic Starter	TEFC	60-1725	230/460	90	49-971	52-112
	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-1725	230/460	94	†49-972	52-113

NOTE: Single phase electricals will be supplied wired for 115 V, unless 230 V is specified. Three phase electricals will be supplied wired for 230 V, unless 460 V is specified. Power Cord and Plug supplied for single phase only. Motors and Motor Controls for Rockwell Delta 14" Band Saws may

MACHINE DATA

Overall Dimensions:

Height (On Stand)	65 1/2"
Width	25"
Front to Rear	17 1/2"

Capacities:

Blade to Frame	13 3/4"
Under Guide and Wheel	6 1/4"
Under Guide and Wheel (With 28-984 (Old 894) Height Attachment)	12 1/4"

Speeds (With 1725 RPM Motor) 3000 FPM

Table:

Size	14 x 14"
Groove	3/8" Deep by 3/4" Wide
Tilt to Right	45°; to Left 10°
Height From Floor	42 3/4"

Blade:

Width: Maximum	3/4"
Length: Maximum	94"
Minimum	91 1/2"; Standard 93 1/2"
Length (With 28-984 (Old 894) Height Attachment):	
Maximum	106"
Minimum	103 1/2"; Standard 105"

STANDARD EQUIPMENT

Basic Machine Without Stand: includes wheel and blade guards, 6" arbor pulley, 49-173 V-belt, 41-033 motor pulley (3/8" bore), blade guides and No. 28-034 (old 1034) wood cutting blade.

CATALOG LISTING

No. 28-200 Basic Machine Without Stand: 14" Wood Cutting Band Saw with wheel and blade guards, 6" arbor pulley, 49-173 V-belt, 41-033 motor pulley (with 3/8" bore), blade guides and 28-034 (old 1034) wood cutting blade. Without stand, motor or switch. 144 lbs.

No. 28-285 Machine With Enclosed Steel Stand and Belt Guard: Same as 28-200 except with 50-122 enclosed steel stand and belt guard. Without motor or switch. 196 lbs.

No. 28-297 Machine With Open Steel Stand: Same as 28-200 except with 50-891 open steel stand and 28-883 (old 883) belt guard. Without motor or switch rod. 179 lbs.

See below for Motors, Controls and Wiring Kits recommended for use with No. 28-297 Machine with Open Steel Stand.

NOTE: Items bearing individual catalog numbers, as included in 28-200, 28-285 and 28-297, can be ordered separately; see price list.

NOTE: See Section J5 for Band Saw Accessories.

RECOMMENDED MOTORS, CONTROLS AND WIRING KITS FOR NO. 28-297 MACHINE WITH OPEN STEEL STAND ONLY

(For complete electrical descriptions, see Sections P and Q.)

SINGLE PHASE

Heavy Duty: Motor 62-680, 1/2 HP, 115/230 V., use 51-334 (old 1334) Switch Rod.

Standard Duty: Motor †62-010, 1/2 HP, 115/230 V, use: 51-115 (old 1115) Toggle Switch, 49-385 Box and Cable Kit and 49-357 Power Cord.

THREE PHASE MANUAL CONTROL

Heavy Duty: Motor †66-369, 1/2 HP, 230/460 V, or

Standard Duty: Motor †66-019, 1/2 HP, 230/460 V, use: 52-347 Push Button Switch when overload protection is not desired.

THREE PHASE MAGNETIC CONTROL

Heavy Duty: Motor †66-369, 1/2 HP, 230/460 V, or

Standard Duty: Motor †66-019, 1/2 HP, 230/460 V, use: ‡49-665 Starter, 49-842 Switch, 49-846 Mounting Bracket and 49-315 Cable Kit.

†NOTE: Without switch or power cord.

‡NOTE: Specify motor number and voltage when ordering.

Rockwell Delta 14" Metal Cutting Band Saw

DELTA QUALITY FEATURES

A. Modernly Constructed Wheels—Light weight magnesium wheels are precision balanced with rims fully machined concentric with the shaft hole, for smooth running. Recess in rim eliminates use of messy cement—makes tire changing easy.

B. Safe, Accurate Upper Blade Guides—Upper guide has separate, safe, remote control micrometer adjustments for ball bearing blade support and blade guide blocks. Guides and blade supports adjust independently.

C. Up-Front, Precision Lower Blade Guides—Lower blade guides have safe, accurate, remote control micrometer adjustment. Lower guides support blade to within $\frac{1}{8}$ " of table work surface—assure accurate cutting.

D. Special Table Stop—Adjustable sleeve provides positive stop for table at level position. Can be removed for a 10° left tilt. Table tilts full 45° to right.

E. Superior Table Features—Side take-out slot for blade permits use of solid front trunnion (not split for blade removal) located directly under work load. Rip fence guide rails need not be removed when changing blades.

F. Exact Tension Blade Scale—Direct reading scale on blade tension adjustment shows correct tension for different blade widths. Scale readings are not affected by variable blade lengths.

G. Exclusive "Locked-In" Table Insert Cannot Rotate because there is a slot in the insert which meshes with a pin in the table. Therefore, the insert won't get chewed up by the blade and the operator need not endanger his fingers to turn the insert to the correct position.

H. Exclusive Rockwell Safety Control Station—Push buttons are color coded—green for "start" and red for "stop". Shrouded "start" button prevents accidental starts while "stop" button is extra large for quick, emergency stops. Switch cover and buttons are made of non-conductive material for added safety.

DELTA QUALITY EXTRAS

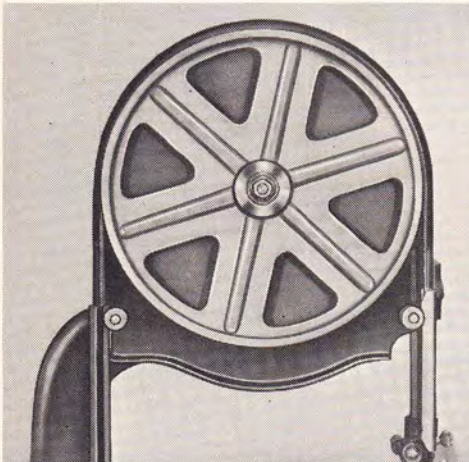
Double-Sealed, Lubricated-For-Life Ball Bearings for upper and lower wheels and blade supports and all shafts of back gear unit insure many years of trouble-free performance.

Upper and Lower Wheels completely guarded. All portions of blade enclosed and guarded except portion actually cutting material.

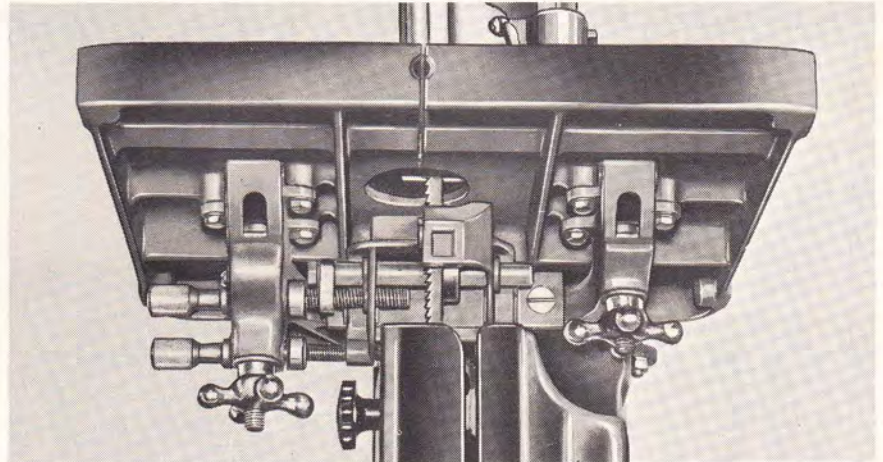
Rugged 14x14" Table has a $\frac{3}{4}$ x $\frac{1}{4}$ " miter gage groove. Machined for rip fence. Widely spaced double trunnions and heavy ribbing provide rigid support for work.

Guides are finest type ever offered. Each adjusts independently of the other, also adjusts with micrometer accuracy. Guide pins can be set to blade teeth without disturbing the setting of the blade supports; blade supports can be set without altering adjustment of guide pins. Ball bearing blade supports are reversible and double-sealed.

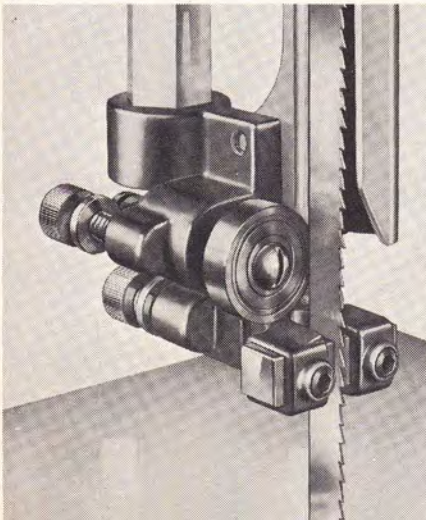
Magnesium Wheels are carefully balanced for true running, also rimmed for proper mounting of tire.



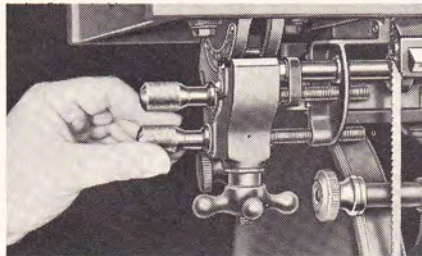
A.



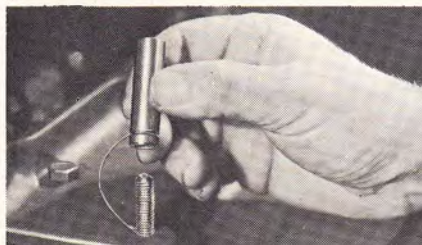
E.



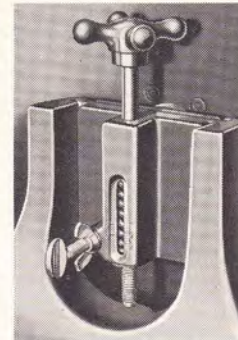
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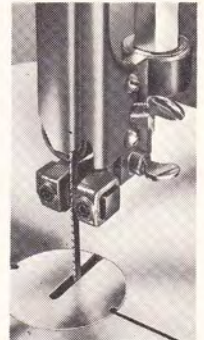
C.



D.



F.



G.



H.

ROCKWELL DELTA 14" METAL CUTTING BAND SAW



This Rockwell Delta 14" Metal Cutting Band Saw gives you eight cutting speeds—40 to 3000 FPM—using a standard motor. This means that you get the lowest band saw speed in the industry—40 FPM. You get a choice of any of these eight speeds—40, 60, 85, 115, 160, 220 or 335 FPM for metal cutting and a high speed of 3000 FPM for wood cutting. You can cut stainless steel, armor plate, high speed steel, alloy steel, cast iron, transite and such other materials as woods and plastics.

This popular Delta Band Saw incorporates a modern drive with a clutch that permits instant changes from direct to gear drive (or vice versa) by the simple shift of a knob. V-belts are not disturbed.

You can use this low-cost unit to handle both wood and metal cutting jobs in school shops, tool rooms, foundries and all shops that have the problem of cutting a wide variety of materials.

STANDARD EQUIPMENT

Basic Machine Without Stand: includes wheel and blade guards, 7" arbor pulley for wood cutting, No. 41-724 4-step arbor pulley ($\frac{3}{4}$ " bore) for metal cutting, $\frac{3}{4}$ " to $\frac{5}{8}$ " and $\frac{3}{4}$ " to

$\frac{1}{2}$ " reducing bushings for $\frac{3}{4}$ " bore 4-step motor pulley, 49-111 (set of 2) matched V-belts, 41-714 motor pulley ($\frac{3}{4}$ " bore), blade guides and No. 28-062 (old 1062) metal cutting blade.

MACHINE DATA

Overall Dimensions:

Height (On Stand) 65 $\frac{1}{2}$ "
Width 25"
Front to Rear 17 $\frac{1}{2}$ "

Capacities:

Blade to Frame 13 $\frac{3}{4}$ "
Under Guide and Wheel 6 $\frac{3}{4}$ "
Under Guide and Wheel (With 28-984 (Old 894) Height Attachment) 12 $\frac{1}{4}$ "

Speeds (With 1725 RPM Motor) 40, 60, 85, 115, 160, 220, 335, 3000 FPM

Table:

Size 14 x 14"
Groove $\frac{3}{8}$ " Deep by $\frac{3}{4}$ " Wide
Tilt to Right 45°; to Left 10°
Height From Floor 42 $\frac{3}{4}$ "

Blade:

Width: Maximum $\frac{3}{4}$ "
Length: Maximum 94"
Minimum 91 $\frac{1}{2}$ "; Standard 93 $\frac{1}{2}$ "
Length (With 28-984 (Old 894) Height Attachment):
Maximum 106"
Minimum 103 $\frac{1}{2}$ "; Standard 105"

CATALOG LISTING

No. 28-300 Basic Machine Without Stand: 14" Metal Cutting Band Saw with wheel and blade guards, 7" arbor pulley for wood cutting, 41-724 4-step arbor pulley, (with $\frac{3}{4}$ " bore), for metal cutting, $\frac{3}{4}$ " to $\frac{5}{8}$ " and $\frac{3}{4}$ " to $\frac{1}{2}$ " reducing bushings for motor pulley, 49-111 (set of two) matched V-belts, 41-714 4-step motor pulley (with $\frac{3}{4}$ " bore), blade guides and 28-062 (old 1062) metal cutting blade. Without stand, motor or switch. 168 lbs.

No. 28-390 Machine With Enclosed Steel Stand and Belt Guard: Same as 28-300 except with 50-122 enclosed steel stand and belt guard. Without motor or switch. 220 lbs.

No. 28-387 Machine With Open Steel Stand: Same as 28-300 except with 50-891 open steel stand and 28-883 (old 883) belt guard. Without motor or switch rod. 203 lbs.

See below for Motors, Controls and Wiring Kits recommended for use with No. 28-387 Machine with Open Steel Stand.

NOTE: Items bearing individual catalog numbers as included in 28-300, 28-390, 28-387, can be ordered separately; see price list.

NOTE: See Section J5 for Band Saw Accessories.

ENCLOSED STEEL STAND WITH BELT GUARD, MOTOR AND CONTROLS (Factory Mounted and Wired)

NOTE: Enclosed Steel Stands With Electricals Can Be Ordered Either With Or Without the Basic No. 28-300 14" Band Saw,

MOTOR	MOTOR CONTROL	MOTOR ENCLOSURE	HERTZ AND MOTOR RPM	MOTOR VOLTAGE	SHIPPING WT., LBS.	CATALOG NUMBER	CAT. NO. 200V
Single Phase, $\frac{1}{2}$ Horsepower	Push Button Switch Only	TEFC	60—1725	115/230	80	49-963	
	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60—1725	115/230	81	49-964	
Three Phase, $\frac{1}{2}$ Horsepower	Push Button Switch Only	TEFC	60—1725	230/460	82	49-969	52-110
	Push Button Switch with Magnetic Starter	TEFC	60—1725	230/460	90	49-971	52-112
	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60—1725	230/460	94	49-972	52-113

NOTE: Single phase electricals will be supplied wired for 115 V, unless 230 V is specified. Three phase electricals will be supplied wired for 230 V, unless 460 V is specified. Power Cord and Plug supplied for single phase only. Motors and Motor Controls for Rockwell Delta 14" Band Saws may

be ordered unmounted. For listing, see Sections P and Q. †No. 49-000 "JIC" Type Control Kit. Specify this Catalog Number, in addition to Three Phase Cat. No. 49-972, in order to obtain 14" Band Saw with "JIC" type electricals, factory mounted and wired.

RECOMMENDED MOTORS, CONTROLS AND WIRING KITS FOR NO. 28-387 MACHINE WITH OPEN STEEL STAND ONLY

(For complete electrical descriptions, see Sections P and Q.)

SINGLE PHASE

Heavy Duty: Motor 62-680, $\frac{1}{2}$ HP, 115/230 V, use: 51-334 (old 1334) Switch Rod.

Standard Duty: Motor †62-010, $\frac{1}{2}$ HP, 115/230 V, use: 51-115 (old 1115) Toggle Switch, 49-385 Box and Cable Kit and 49-357 Power Cord.

THREE PHASE MANUAL CONTROL

Heavy Duty: Motor †66-369, $\frac{1}{2}$ HP, 230/460 V, or

Standard Duty: Motor †66-019, $\frac{1}{2}$ HP, 230/460 V, use: 52-347 Push Button Switch when overload protection is not desired.

THREE PHASE MAGNETIC CONTROL
Heavy Duty: Motor †66-369, $\frac{1}{2}$ HP, 230/460 V, or

Standard Duty: Motor †66-019, $\frac{1}{2}$ HP, 230/460 V, use: ‡49-665 Starter, 49-842 Switch, 49-846 Mounting Bracket and 49-315 Cable Kit.

†NOTE: Without switch or power cord.

‡NOTE: Specify motor number and voltage when ordering.

ROCKWELL DELTA BAND SAW ACCESSORIES

ACCESSORIES FOR 14" WOOD CUTTING BAND SAW

No. 41-032 Motor Pulley, 2 $\frac{3}{4}$ " diameter, $\frac{1}{2}$ " bore. $\frac{1}{2}$ lb.

No. 41-033 Motor Pulley, 2 $\frac{3}{4}$ " diameter, $\frac{5}{8}$ " bore. $\frac{1}{2}$ lb.

No. 41-034 Motor Pulley, 2 $\frac{3}{4}$ " diameter, $\frac{3}{4}$ " bore. $\frac{1}{2}$ lb.

No. 49-173 V-Belt, 57 $\frac{1}{8}$ " O.C. Used with 50-891 stand. $\frac{1}{2}$ lb.

ACCESSORIES FOR 14" METAL CUTTING BAND SAW

No. 41-712 Motor Pulley, 4-step, $\frac{1}{2}$ " bore. 1 lb.

No. 41-713 Motor Pulley, 4-step, $\frac{5}{8}$ " bore. 1 lb.

No. 41-714 Motor Pulley, 4-step, $\frac{3}{4}$ " bore. 1 lb.

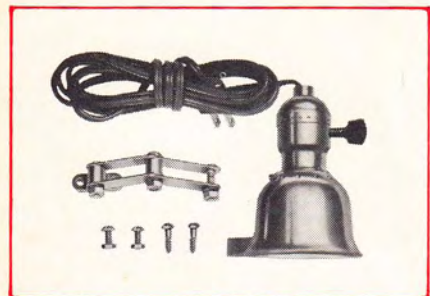
No. 49-111 V-Belts, matched set of two, 41" and 58 $\frac{3}{8}$ " O.C. Used with 50-122 and 50-891 stands. 1 lb.

ACCESSORIES FOR 14" BAND SAWS

No. 28-883 (old 883) Guard for V-belt (recommended for use with 50-891 stand). 9 lbs.

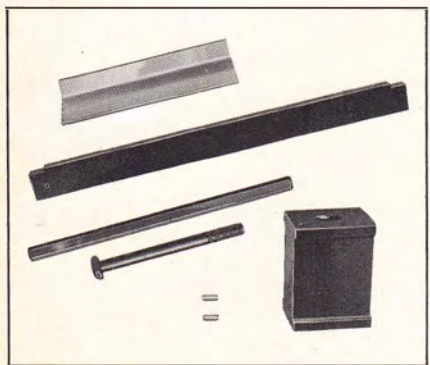
No. 50-122 Enclosed Steel Stand. Includes 50-139 basic stand, 50-136 motor plate and 50-135 belt guard. 54 lbs.

No. 50-891 Open Steel Stand, 24" high with top 8 x 16". 26 lbs.

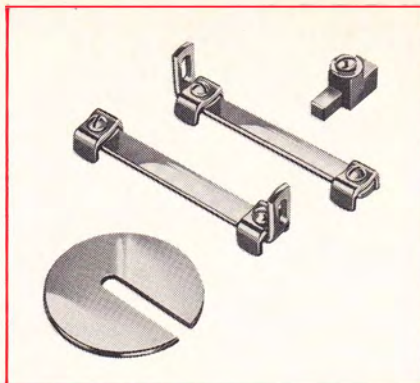


No. 40-882 (old 882) Lamp Attachment—Uses standard 15 or 25-watt bulb (not included). Includes mounting bracket, shade, socket and 115 V 8-foot cord with plug. 1 $\frac{1}{2}$ lbs.

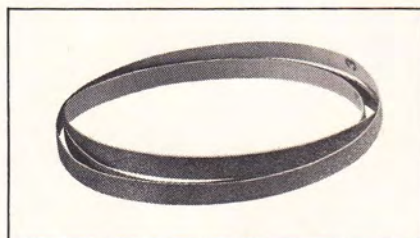
Height Attachment—Increases capacity of 14" Band Saw from 6 $\frac{1}{4}$ " to 12 $\frac{1}{4}$ " under the guide. Add at any time. Needs 105" blades.



No. 28-984 (old 894) Height Attachment with cast block, dowels and bolt, extension front blade guard, wood back blade guard. 12 lbs.

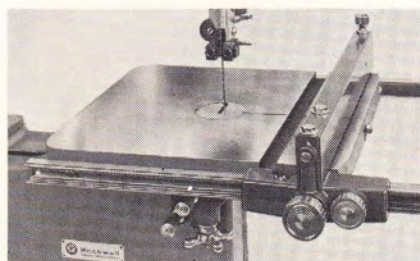


No. 28-810 Sanding Attachment—Includes flat and curved platens with guides and mounting brackets. 1 lb.



No. 28-836 Sanding Belt—Garnet type, five, No. 80 grit, fine, $\frac{1}{2}$ " wide, 91" long. 1 lb.

No. 28-837 Sanding Belt—Garnet type, five, No. 40 grit, medium, $\frac{1}{2}$ " wide, 91" long. 1 lb.



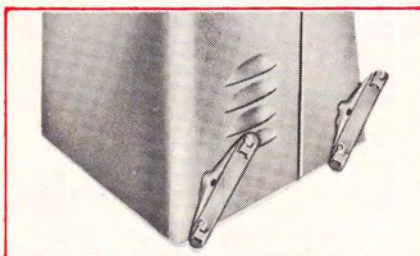
No. 28-843 Rip Fence—With 18" guide bars and mounting screws. 13 lbs.

No. 28-845 Rip Fence—With 32" guide bars and mounting screws. 10 lbs.

RETRACTABLE CASTER SETS

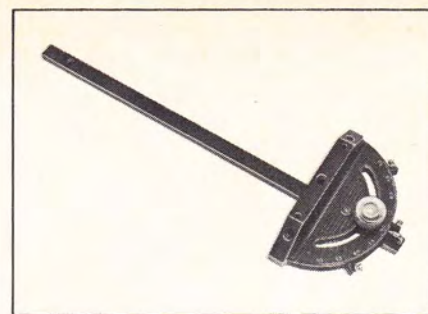
Make your Rockwell Delta Band Saws mobile and increase their usefulness to your operation.

With Delta Retractable Casters on your machines, you can easily wheel them about your plant or shop—right to the job site. 13 lbs.



No. 49-363 Retractable Caster Set—For 50-891 open steel stand.

No. 50-111 Retractable Caster Set—For 50-122 enclosed steel stand. Has built-in leveling screws. 13 lbs.



No. 50-864 Sliding Jig—For straight and angle operations. Has $\frac{3}{8}$ x $\frac{3}{4}$ x 18" guide bar and pivoting work support body with pointer and calibrations reading through 120° swing. Adjustable, positive stops at 90° and 45° positions. 4 lbs.

No. 34-568 (old 865) Clamp Attachment for Sliding Jig—With clamp bar, two sliding clamp screws, and front and rear posts. 1 $\frac{1}{2}$ " lbs.

No. 34-873 (old 873) Extra Clamp Screw and Block—For Clamp Attachment. $\frac{1}{2}$ lb.

WOOD CUTTING BAND SAW BLADES

For 14" Band Saws: 93 $\frac{1}{2}$ " blades are standard; 105" blades used with 28-984 Height Attachment. $\frac{1}{2}$ lb.

Number (93 $\frac{1}{2}$ " Long)	Number (105" Long)	Width	Min. Cut. Rad.	Teeth per In.
28-032 (old 1032)	28-045 (old 1045)	$\frac{1}{8}$ "	$\frac{1}{4}$ "	6
28-033 (old 1033)	28-046 (old 1046)	$\frac{3}{16}$ "	$\frac{5}{16}$ "	6
28-034 (old 1034)	28-047 (old 1047)	$\frac{1}{4}$ "	$\frac{3}{8}$ "	6
28-036 (old 1036)	28-048 (old 1048)	$\frac{3}{8}$ "	1 $\frac{1}{16}$ "	5
28-038 (old 1038)	28-050 (old 1050)	$\frac{1}{2}$ "	2 $\frac{1}{2}$ "	5
28-040 (old 1040)	28-052 (old 1052)	$\frac{3}{4}$ "	5 $\frac{1}{16}$ "	4

For 20" Band Saws: All blades are 150" long. 2 lbs.

Number	Width	Minimum Cut. Rad.	Teeth per In.
28-725	$\frac{3}{16}$ "	$\frac{3}{16}$ "	5
28-726	$\frac{1}{4}$ "	$\frac{5}{8}$ "	5
28-727	$\frac{3}{8}$ "	1 $\frac{1}{16}$ "	5
28-728	$\frac{1}{2}$ "	2 $\frac{1}{2}$ "	4
28-729	$\frac{3}{4}$ "	5 $\frac{1}{16}$ "	4
28-731	1"	7 $\frac{1}{16}$ "	4
28-730	$\frac{3}{4}$ "	For resawing	3
28-732	1"	For resawing	2

The above blades can be file sharpened.

SKIP TOOTH BAND SAW BLADES

For 14" Band Saws: For cutting aluminum, magnesium, plastics and all kinds of wood. All blades are 93 $\frac{1}{2}$ " long. $\frac{1}{2}$ lb.

Number	Width	Minimum Cut. Rad.	Teeth Per In.
28-884	$\frac{1}{4}$ "	$\frac{5}{8}$ "	6
28-885	$\frac{3}{8}$ "	1 $\frac{1}{16}$ "	4
28-886	$\frac{1}{2}$ "	2 $\frac{1}{2}$ "	4
28-887	$\frac{3}{4}$ "	5 $\frac{1}{16}$ "	4

For 20" Band Saws: All blades are 150" long. 2 lbs.

Number	Width	Minimum Cut. Rad.	Teeth Per In.
28-750	$\frac{1}{4}$ "	$\frac{5}{8}$ "	4
28-751	$\frac{3}{8}$ "	1 $\frac{1}{16}$ "	4
28-752	$\frac{1}{2}$ "	2 $\frac{1}{2}$ "	4
28-753	$\frac{3}{4}$ "	5 $\frac{1}{16}$ "	3
28-754	1"	7 $\frac{1}{16}$ "	2

ROCKWELL DELTA BAND SAW ACCESSORIES

METAL CUTTING BAND SAW BLADES

These are regular set, hard-edge, flexible-back standard blades for cutting all metals.

For 14" Metal Cutting Band Saw: All blades are 93½" long. ½ lb.

Number	Width	Minimum Cut. Rad.	Teeth Per In.
28-058 (old 1058)	½"	2½"	10
28-060 (old 1060)	½"	2½"	14
28-062 (old 1062)	½"	2½"	18
28-064 (old 1064)	½"	2½"	24

For 20" Metal Cutting Band Saw: All blades are 150" long. 2 lbs.

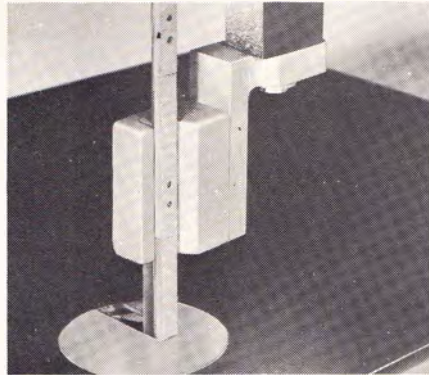
Number	Width	Minimum Cut. Rad.	Teeth Per In.
28-742	½"	2½"	10
28-743	½"	2½"	14
28-744	½"	2½"	18
28-745	½"	2½"	24
28-740	¾"	57/16"	6
28-741	¾"	57/16"	8

ACCESSORIES FOR NEW 20" BAND SAWS



No. 25-857 Lamp Attachment, for 115 V. Includes 18" flexible gooseneck, reflector and 8-foot cord with 2-prong plug. Uses standard bulb (not included) up to 75 watts.

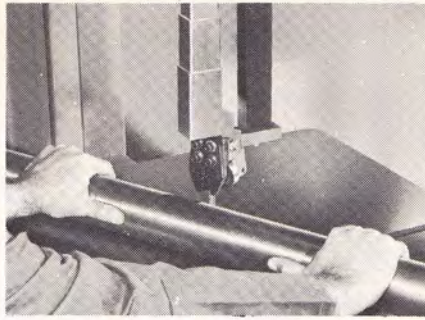
No. 28-005 Blade Shear for mounting on welder face. Capacity to 1".



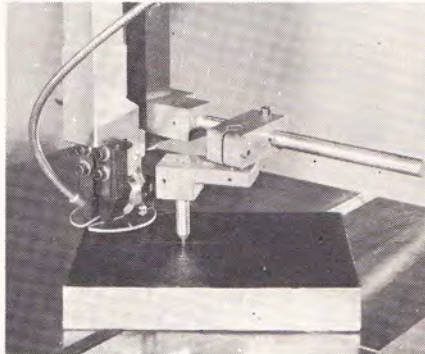
No. 28-700 File Band Guide Attachment. Easily bolts to guide block. Includes mounting hardware. File bands not supplied by Rockwell.

No. 28-701 Blade Welder and Flash Grinder, 115 V, 50/60 cycles, single phase, 3 KVA. Mounts flush into band saw column. Capacity, ⅛" to 1".

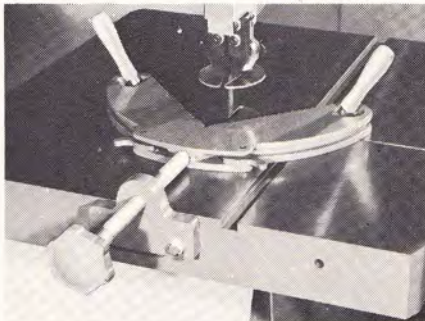
No. 28-702 Blade Welder and Flash Grinder. Same as 28-701 but for 230 V, Single phase.



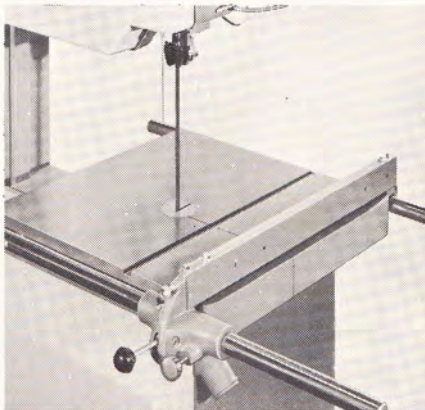
No. 28-703 30° Angle Blade Guides. Consist of blade fingers, back-up bearing and guide block.



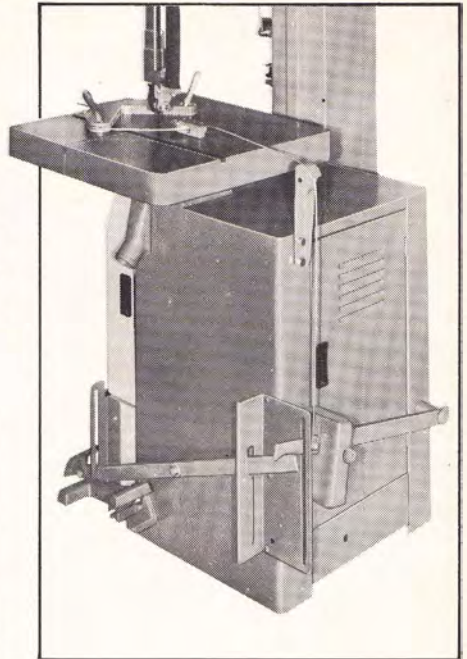
No. 28-704 Circle Cutting Attachment. Attaches quickly to guide arm, permitting radius cuts from 1½" to 15" in diameter.



No. 28-705 Screw Feed Attachment. Consists of table mounting bracket, screw with handle, and angle feed block.



No. 28-862 Fence Attachment for ripping and re-sawing lumber. Includes 2½" x 27" Micro-Set fence with front and rear locks, two 44" tubular guide rails, mounting screws. Fence may be set anywhere from 15½" to left of blade to 25" to right with pointer and calibrations reading from zero to 25" to right.

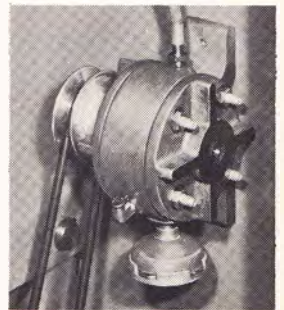


No. 28-708 Gravity Feed Attachment. Used primarily to avoid operator fatigue. Provides a variable feed pressure of approximately 5 to 29 pounds with standard 30-pound weight provided. Enables operator to devote his entire attention to guiding the work, assuring more accurate cutting. (For additional feed pressure, order extra weights.) Fits all past or present Delta 20" Metal Cutting Band Saws.

No. 28-826 Extra Weight. For 28-825 Gravity Feed Attachment. With one extra weight, attachment provides approximately 10 to 41 pounds feed pressure, or with two extra weights, 15 to 50 pounds.

No. 28-709 Chip Blower, factory mounted. Consists of pump with pulley and "O" belt.

No. 28-710 Chip Blower. Same as 28-709 except field mounted.



No. 28-711 Safety Lock-Out Switch, factory mounted. For machines with magnetic controls only. Automatically shuts off power when lower wheel door is opened.

ACCESSORIES FOR NEW 20" WOOD/NON-FERROUS CUTTING BAND SAW

No. 41-707 Motor Pulley, ⅞" bore, for 143T and 145T frame motors.

No. 41-708 Motor Pulley, 1⅛" bore, for 182T and 184T frame motors.

No. 49-131 V-Belt, 43" O.C., 11M section.

No. 49-132 V-Belt, 53½" O.C., 11M section.

ACCESSORY FOR NEW 20" METAL CUTTING BAND SAW

No. 49-159 Variable Speed Belt, 55" O.C.

Take Your Choice!

A big capacity Rockwell Delta 24", 18" or 13" Planer with many exclusive features...

Giant capacity with modern design features . . . that's what you get with Rockwell Delta Planers. For example:

New 24" x 9" Planer

—unequalled in features and value, this machine will surface stock 24½" wide x 9" 13/32" thick. It's the only machine in its price range that has a power driven table raising and lowering mechanism.

18" x 6" Planer

—an economically priced machine offering wedge bed construction . . . separate feed and cutterhead drive systems . . . positive worm gear drive in belt and direct drive models.

New 13" x 6" Planer

—designed for the production woodworker, this modern design machine will handle 6 x 12" timbers or gang plane 2 x 6's on edge. Its infinitely variable feed is an exclusive on planers of this size, plus you get conveniently located, up-front controls and scales for easier, safer operation.

Go with the "Profit-Builders" . . . go with Rockwell Delta Planers!





**...or Select
the Unique
Rockwell Delta
UNIPLANE***

**A Completely New
Concept for Working
Wood, Plastics and
Compositions...
Does More Jobs
Safer Than
Any Other Machine!**



Here's a machine that is the most forward step in woodworking machines in 50 years! Rockwell Delta's UNIPLANE offers a unique yet superior method of jointing or surfacing material up to 6" in width or thickness—or even as small as a matchstick—all with complete safety.

Typical operations include planing, jointing, beveling, chamfering, trimming, tapering and many more.

You can't appreciate the versatility of this great, new machine. You have to see it in action.

Call us today for a Free "Proof-by-Performance" demonstration!

*Trademark

New Rockwell Delta 24" x 9" Planer

DELTA QUALITY FEATURES

A. Wide Range Variable Speed Drive—Powered by a 1 HP motor, drive is infinitely adjustable from 20 to 60 FPM—a slow feed for fine, smooth finishes and a fast feed for processing rough stock.

B. Power Driven Table Raising and Lowering Mechanism—The Rockwell Delta 24" Planer is the only one in its class that offers a motorized table—the ½ HP motor facilitates fast, easy changes in thickness setting to accommodate thick or thin stock.

C. Fine, Depth Setting Control—Fine table adjustments are made by using a conveniently located handwheel which is spring-loaded to prevent accidental changes in depth-of-cut setting.

D. Massive Frame—Weighing almost 1,000 pounds, the one-piece frame is made of solid cast iron for greater rigidity.

E. Table Guides and Gibs—Table guides are machined directly on frame, providing maximum table stability, even under heavy loads. Built-in gibs compensate for possible wear, either laterally or longitudinally. Large reinforcing ribs assure a true, flat surface.

F. Exclusive Rockwell Safety Control Station—Provides magnetic low-voltage and no-voltage protection with 115 V at the switch. Switch has green "start" and red "stop" buttons with cover and buttons made of non-conductive material for added safety.

G. Motors and Switches—Feed motor is completely independent so that it may be stopped, without stopping cutterhead motor. Built-in limit switches automatically prevent table overtravel. Positive table stops prevent table from striking cutterhead.

H. Adjustable Bed Roll; Positive Table Lock—Bed roll is furnished as standard equipment. Front control enables bed roll to be quickly raised or lowered, depending on the condition of the stock and the finish desired. Locking device rigidly holds table at desired setting.

I. Sectional In-Feed Roller and Chip Breakers—Chain driven in-feed roller consists of independent, spring-loaded sections that facilitate the processing of rough, uneven stock. Chip breaker also has totally independent, spring-loaded sections, 1¼" wide, which individually adjust to variations in stock. Anti-kickback fingers prevent stock kickback. Note how pressure bar is positioned close to cutterhead to provide adequate pressure on stock as it is surfaced.

J. Large Diameter Cutterhead; Precision Blade Adjustment—4½" diameter cutterhead rotates on sealed, lubricated-for-life ball bearings. Four planer knives are spring-loaded for ease in adjusting knives to proper height using standard equipment knife setting gauge.

K. Positive, Chain Driven Feed Rolls—Both in-feed and out-feed rolls are chain driven to assure high quality planer performance.

L. Efficient Drive Systems—Maximum planer efficiency results from the triple belt drive from motor to cutterhead . . . variable rate belt drive from motor to gear box and roller chain drive from variable speed gear box to feed rolls . . . belt drive to worm feed table raising mechanism.

M. Convenient, Safe, Easy-to-Operate Controls—All operational controls—cutterhead, feed, table and variable-rate feed—are conveniently grouped in one master control panel for safer, easier operation.



A.



B.



G.



H.



E.



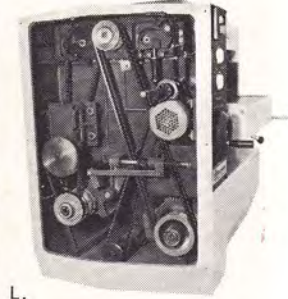
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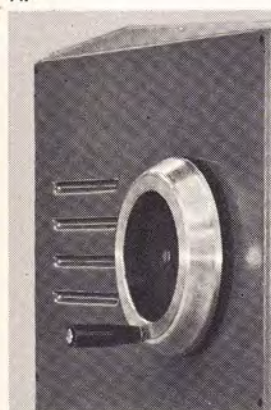
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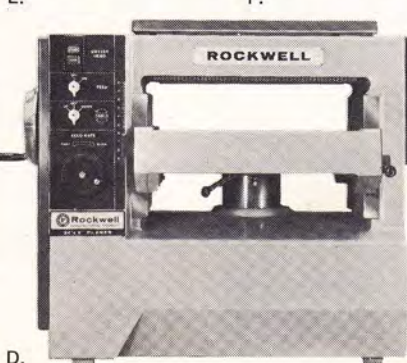
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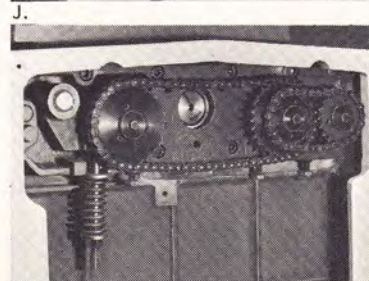
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NEW ROCKWELL DELTA 24" x 9" PLANER

Great New Production Tool!

Never before have so many fine features been offered at such an economical price. That's what makes the all new Rockwell Delta 24" x 9" Planer such an outstanding value. Built for production work, it is designed to satisfy the high quality performance standards required in lumber yards and mills, furniture factories, cabinet and pattern shops, vocational and trade schools.

This modern Rockwell Delta Planer provides 24½" x 9¾" capacity. It offers features not usually available in comparably priced machines:

- Variable rate feed from 20 to 60 FPM.
- Power driven table raising and lowering mechanism.
- Large diameter 4-knife cutterhead.
- Adjustable bed roller.
- Massive one-piece cast iron frame.
- Positive chain driven feed rolls.
- Sectional in-feed roller and chip breakers.
- Anti-kickback fingers for added safety.
- Convenient, safe, easy-to-operate controls.

Let us show you this outstanding value in action today!

MACHINE DATA

Motors, Three Phase, 230/460 V (Other voltages not available):

Cutterhead	10 HP
Feed	1 HP
Table Raising	½ HP

Capacity:

Width of Stock	24½" Maximum
Thickness of Stock	9¾" Maximum; ¾" Minimum
Depth of Cut	¾" Maximum
Length of Unbutted Stock	10" Minimum
Minimum Table Roll Opening	1½"

Feed Rate Infinitely Variable from 20 to 60 FPM

Cutterhead:

Number of Knives	4
Diameter 4½"	Diameter of Cutting Circle 4¾"
Speed-RPM	5,000; Cuts Per Minute 20,000

Feed Rolls:

Sectional, In-Feed	¾" Dia. Chain Driven
Solid, Out-Feed	¾" Dia. Chain Driven

Table Bed Roll Adjustable

Table Raising Mechanism:

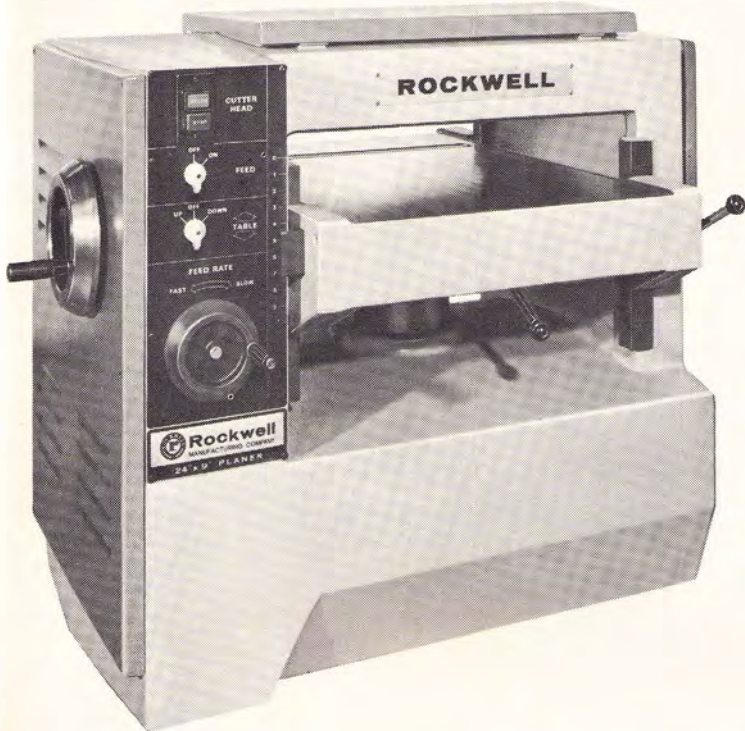
Motorized .. ½ HP; Handwheel for Final Close Adjustment
Thickness Scale 0" to 9½" (By ¼" Graduations)

Overall Dimensions Width 52"; Front to Back 40"; Height 41¾"

Shipping Weight 2400 Lbs.

CATALOG LISTING

No. 22-503 24" x 9" Planer, complete and ready to run. Includes 10 HP, three phase cutterhead motor with magnetic starter, 1 HP feed motor and a ½ HP table raising motor; set of four cutterhead knives; sectional in-feed roll and sectional chip breakers; adjustable bed roll; knife setting gage. 2400 lbs.



You get big capacity with the **New Rockwell Delta 24" x 9" Planer**—plane stock up to 24½" wide, varying in thickness from ¾" to 9¾".

Rockwell Delta 18" x 6" Planer

DELTA QUALITY FEATURES

A. Wedge Bed Construction—assures precision accuracy and ease of adjustment with greater work support than conventional raising screws. Inclined ways direct the even rise and fall of the bed, seldom require adjustment. Cutting loads are supported by a large area of solid metal which actually serves as a compression member. Up to now, wedge bed construction has usually been found only on larger, high production surfaces.

B. Simplified, Separate Feed and Cutterhead Drive Systems—this modern, preferred type of construction means that maximum horsepower is delivered to the feed rolls, without "robbing" power from the cutterhead. You get top efficiency, keep maintenance and downtime to a minimum.

C. Completely Sealed Worm Gear Drive—delivers tremendous horsepower to the feed rolls. This unique feed system operates in a sealed oil bath, totally shielded from dirt or foreign matter.

D. Quick Setting, Positive Control Locks—assure safe, accurate control at all times. Just a twist of the wrist is needed to lock the controls at the desired setting.

E. Redi-Set, Fast Bed Roll Adjustment—an accessory that allows you to raise or lower the bed rolls in an instant for rough or finish surfacing. Bother some, time consuming adjustments under the bed are eliminated.

F. Instant Acting 115 Volt Magnetic Controls—furnished as standard equipment on

all machines, they provide no-voltage and low-voltage protection with 115 V at the switch for greater operator safety. Magnetic controls interlock the separate feed drive and cutterhead motors, enabling the operator to stop both in seconds. Green "start" and red "stop" buttons and cover are made of non-conductive material for added safety.

G. Variable Speed Cutting Feed—enables you to select any feed range between 15 and 36 feet per minute. You can adjust the feed of the machine to suit the type of stock you're planing and get maximum efficiency at all times.

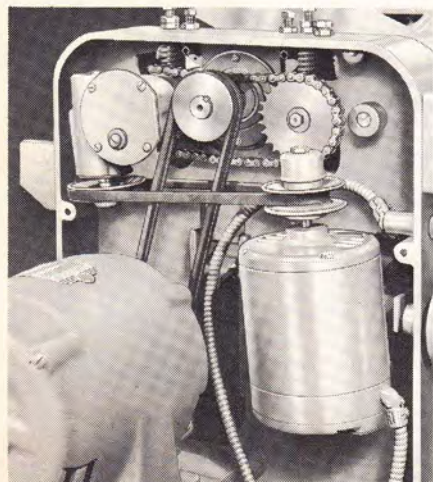
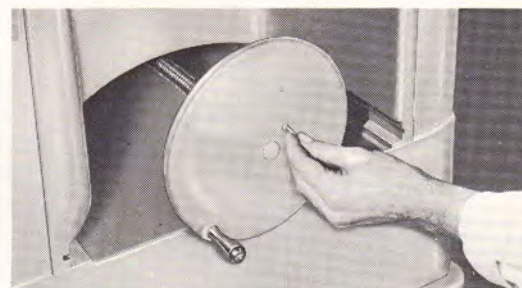
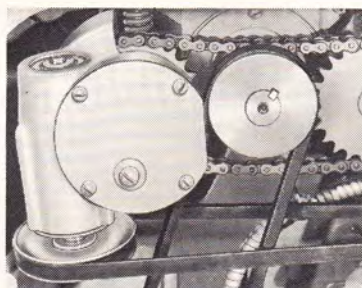
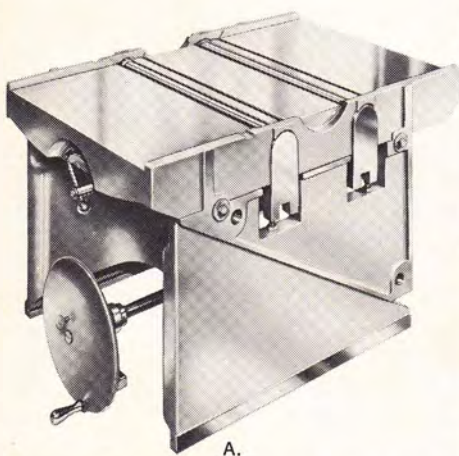
H. Safe Depth of Cut—limited to 1/4", eliminates any possibility of overloading the machine when finishing hard, extra wide stock.

DELTA QUALITY EXTRAS

Lubricated-For-Life Sealed Ball Bearing Construction Throughout—even the bed rolls of the massive one piece bed are mounted on lubricated-for-life, sealed ball bearings that stand up longer under pressure and require no troublesome grease cups or fillings.

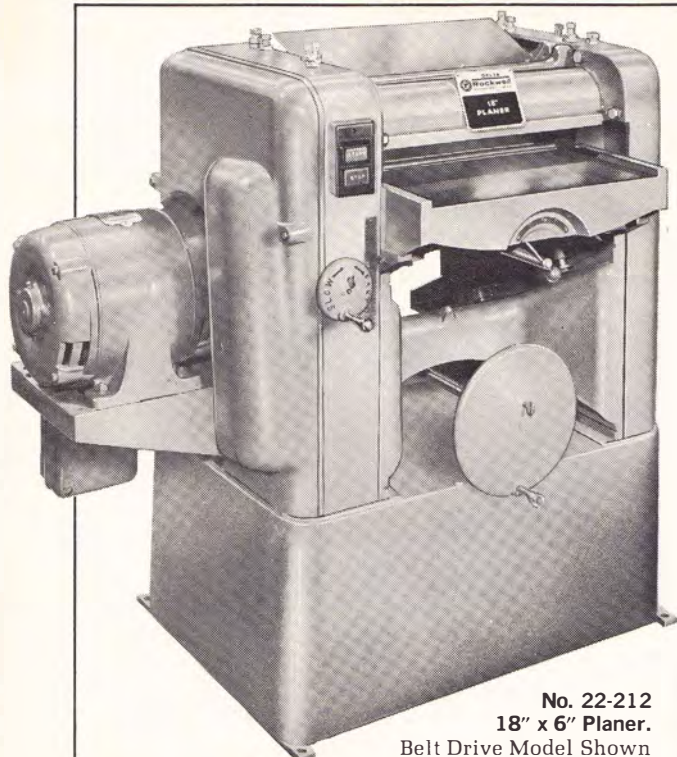
Rugged Construction—built to last . . . the 18" Planer will withstand the heaviest of cutting loads with no tension strain.

Knife Grinding and Jointing Attachment—an accessory extra that allows you to grind a completely new bevel on the knives *without* removing the cutterhead from the planer.

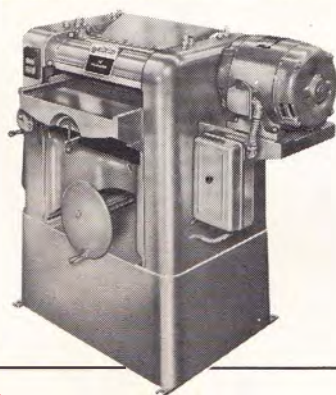


ROCKWELL DELTA 18" x 6" PLANER

Choice of Belt Drive or Direct Drive Models



No. 22-212
18" x 6" Planer.
Belt Drive Model Shown
with 5 HP Motor and Accessory 22-803 Redi-Set
Adjustable Bed Roll Attachment.



No. 22-207
18" x 6" Planer.
Direct Drive
Model Shown
with 5 HP Motor
and Accessory
22-803 Redi-Set
Adjustable Bed
Roll Attachment.

The many fine features of this heavy-duty production type planer make it especially suited for use in lumber yards and mills, furniture factories, also as an excellent training unit for vocational and trade schools.

Here's why! Separate motors drive the cutterhead and the feed, eliminating a troublesome clutch. A single "up-front" electrical control stops all moving parts almost instantly with the touch of a finger. Wedge-bed construction provides greater work support and increased accuracy. Redi-set easy bed roll adjustment (accessory) makes it convenient and easy to work with all grades of lumber. You get all these high-planer-cost features and many more with the husky Delta 18" Planer.

See it demonstrated and prove to yourself why it truly is the outstanding planer value in its class!

MACHINE DATA

Motors 5 and 7½ HP

Capacity:

Width of Stock 18" Maximum

Thickness of Stock: Maximum6"; Minimum¾"

Depth of Cut ¼" Maximum

Minimum Length 8" Unbutted

Rate of Feed:

Linear Feet Per Minute 15 to 36 Variable

Inches of Stock Cut Per Minute Variable

Cuts Per Minute 10,350

Cutterhead:

Type 3 Knife

Diameter 3¼"

Diameter of Cutting Circle 3½"

Knives: (3) High Speed Steel ⅝" x 1⅛" x 18⅞"

Speed 3600 RPM (Direct and Belt Drive Models)

Feed Rollers:

Drive Separate ½ HP Motor

In-Feed Rollers 2¼" Diameter, Solid Serrated

Out-Feed Rollers 2¼" Diameter, Smooth

Speed (RPM) Variable

Bed Rollers 2¼" Diameter, 8" C.C.

Bed Dimensions 20" x 30"

Table Raising Mechanism Wedge Bed

Thickness Scale 0" to 6"

Overall Dimensions:

Depth 32"; Width 31½"; Height 41"

Floor Space 21¼" x 31½"

Motor Plate:

Accommodates NEMA Frame Motors 182T, 184T and 213T

Approximate Shipping Weight With Motor 1200 Lbs.

CATALOG LISTING

COMPLETE 18" x 6" PLANER, with Motors and Controls Factory Mounted and Wired, Ready to Run

MOTOR	MOTOR CONTROL	MOTOR ENCLOSURE	HERTZ & MOTOR RPM	MOTOR VOLTAGE	DRIVE MODEL	MACHINE CAT. NO.	MACHINE CAT. NO. 200 V	MACHINE CAT. NO. 575 V
Single Phase, 5 Horsepower	24 V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-3450	230	Belt	22-212		
Single Phase, 5 Horsepower	24 V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-3450	230	Direct	22-207		
Three Phase, 5 Horsepower	24 V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-3450	230/460	Belt	22-227	22-250	22-221
Three Phase, 5 Horsepower	24 V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-3450	230/460	Direct	22-228	22-251	22-218
Three Phase, 7½ Horsepower	24 V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-3450	230/460	Belt	22-229	22-252	22-222
Three Phase, 7½ Horsepower	24 V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-3450	230/460	Direct	22-230	22-253	22-219

NOTE: Single phase electricals will be supplied wired for 230 V only. Three phase electricals will be supplied wired for 230 V, unless 460 V is specified. Power Cord and Plug not supplied. Motors and Motor Controls

for Rockwell Delta 18" x 6" Planers may be ordered unmounted. For listing, see Sections P and Q.

STANDARD EQUIPMENT

Basic Machine includes No. 22-800 set of three cutterhead knives, separate feed motor, feed motor pulley and V-belt. Drive motor, belts, cutterhead pulley, motor pulley, coupling and electrical controls must be ordered separately.

Basic Machine With Feed Motor, Feed Motor Pulley and V-Belt Only:

	1 PHASE 230 V	3 PHASE* 230/460 V	3 PHASE 200 V	3 PHASE 575 V
Belt Drive.....	22-203	22-223	....	22-216
Direct Drive.....	22-201	22-224	....	22-215

*Specify voltage

New Rockwell Delta 13" x 6" Planer

DELTA QUALITY FEATURES

A. Big Capacity—Planes stock up to 13" wide, varying in thickness from $\frac{1}{16}$ " to a full 6". Depth of cut is factory set for $\frac{1}{8}$ " maximum; can be quickly adjusted to $\frac{1}{4}$ " maximum.

B. Exclusive Rockwell Safety Control Station—Push buttons are color coded—green for "start" and red for "stop." Shrouded "start" button prevents accidental starts while "stop" button is extra large for quick, emergency stops. Switch cover and buttons are made of non-conductive material for added safety.

C. Quick-Change, Snap-On Machine Panels—Special spring-tension locking mechanism permits their instant removal for inspection of motor, cutterhead and variable feed drives, and for changing drive belts.

D. Exclusive Variable Rate Feed—Infinitely adjustable from 15 to 25 feet per

minute to suit the type of stock, finish and feed desired. Feed may be disengaged, *without* stopping the motor, simply by moving speed lever to the "stop" position.

E. Depth-Of-Cut Control—One turn of crank lever raises or lowers table exactly $\frac{1}{16}$ " . . . instruction plate gives direction for either "thick" or "thin" cut. Up-front scale and pointer help operator obtain proper cutting depth.

F. Superior Drive Design—Full power is transmitted from the gear box to the out-feed and in-feed roll sprockets by means of two roller chains. Variable speed drive gear box is automatically lubricated during operation by a fully enclosed oil bath system.

G. Table Alignment Controls—Raising and lowering screws facilitate leveling the table parallel to the cutterhead for continued accurate planing. Built-in adjustable table gibs compensate for wear.

H. Cartridge-Type Cutterhead—Eliminates costly downtime when knives become dull. You simply remove the entire cutterhead and insert a new one. Replacement cutterhead assembly is available as an accessory.

I. Precision Blade Adjustment—Knife setting gage (furnished as standard equipment) and height adjusting screws permit quick, accurate, independent adjustment of planer knives. Uniform setting of knives assures greater cutting efficiency and longer life between sharpenings.

J. Efficient Drive System—A tough, non-slip Gates Polyflex® Belt transmits full power from the motor to the cutterhead. Maximum power from the heavy duty 3 or 5 HP motor is transmitted to the variable feed drive by a V-belt.

DELTA QUALITY EXTRAS

Motor Overload Switch—Delta planer motors are protected against "burnout" due to excessive overloading.

Shielded, Sealed, Lubricated-For-Life Ball Bearings—for smooth cutterhead operation, trouble-free service and longer machine life. Cutterhead knives are fully machined and balanced.

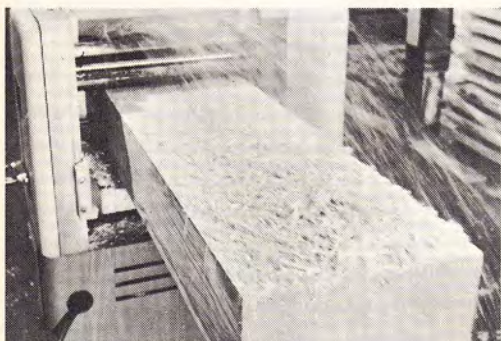
High-Speed Cutterhead—gives 13,500 cuts per minute, providing an exceptionally smooth finish on all stock.

Convenient Controls—all controls are located within easy reach of the operator. Depth scale can be conveniently read from any operating position. Table control is self-locking at any setting . . . positive stops make it impossible for table to strike cutterhead knives.

Table Roll Adjustment Feature—permits adjustment of table rolls to correct height for surfacing slightly rough material.

Knife Grinding and Jointing Attachment—an accessory extra that enables you to sharpen cutterhead knives without removing the cutterhead from the planer.

Knife Jointing Attachment—recommended accessory for honing a keen edge on cutterhead knives.



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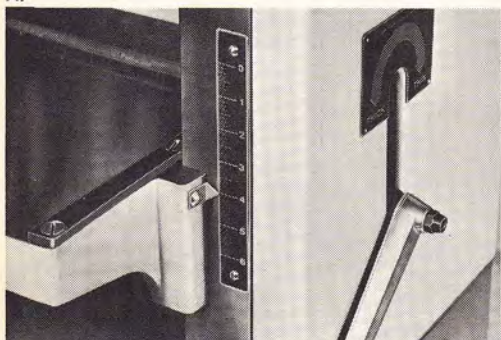
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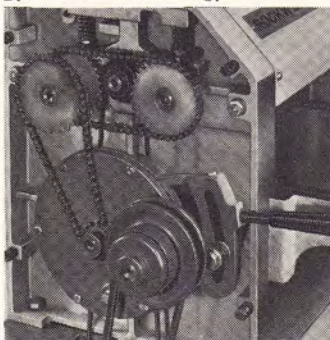
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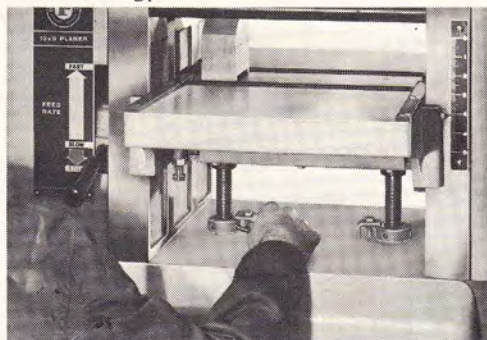
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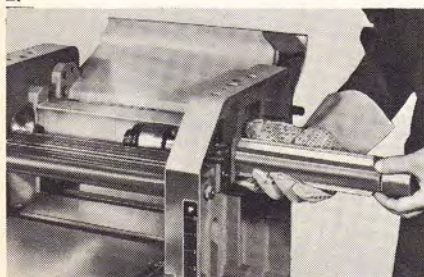
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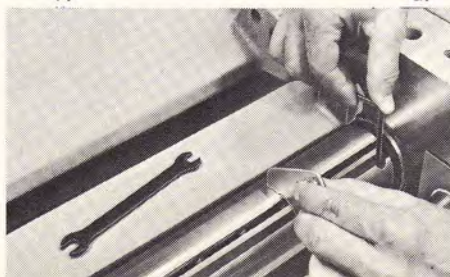
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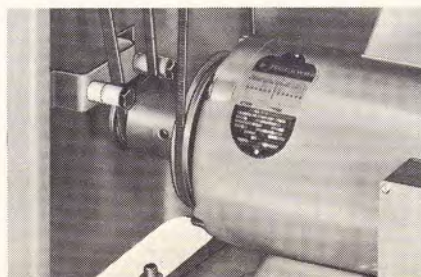
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NEW ROCKWELL DELTA 13" x 6" PLANER



SAFE! ACCURATE! RUGGEDLY BUILT!

No matter how you compare it, the New Rockwell Delta 13" x 6" Planer offers greater value.

It's Safe! Variable feed may be immediately disengaged without stopping the motor. Chip breaker shield assures added operator safety. Conveniently located push button switch provides magnetic low-voltage protection (115 V at switch available). Positive table stops protect cutterhead and knives.

It's Accurate! This precision machine will dress wood to an exact parallel thickness. It will handle stock up to 13" wide, varying in depth from $\frac{1}{16}$ " to 6". Short stock, only 6" in length, can be planed "unbutted." The high-speed cutterhead gives 13,500 cuts per minute, providing an exceptionally smooth finish.

It's Built to Give Top Performance! The superior drive mechanism . . . cartridge-type cutterhead with precision balanced knives . . . slow-to-fast variable feed . . . handy operating controls tell why it will deliver high quality work for every user.

MOTORS AND MAGNETIC CONTROLS (Factory Mounted and Wired)

MOTOR	MOTOR CONTROL	MOTOR ENCLOSURE	HERTZ AND MOTOR RPM	MOTOR VOLTAGE	SHIPPING WT., LBS.	CATALOG NUMBER	CAT. NO. 200V
Single Phase, 3 Horsepower	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60—1725	230	118	52—374	
Three Phase, 3 Horsepower	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60—1725	230/460	112	†52—375	52—364
Three Phase, 5 Horsepower	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60—1725	230/460	120	†52—376	52—367

NOTE: Single phase electricals will be supplied wired for 230 V only. Three phase electricals will be supplied wired for 230 V, unless 460 V is specified. Power Cord and Plug not supplied. Motors and Motor Controls for Rockwell Delta 13" x 6" Planers may be ordered unmounted. For list-

These are only a few reasons why the New Rockwell Delta Planer is especially suited for use in cabinet and pattern shops, furniture factories, and vocational schools.

Let us give you a "proof-by-performance" demonstration today!

MACHINE DATA

Motors 3 and 5 HP
Accommodates NEMA Frame Motors 182T and 184T

Capacity:
Width of Stock 13" Maximum
Thickness of Stock 6" Maximum— $\frac{1}{16}$ " Minimum
Depth of Cut 0" to $\frac{1}{4}$ "
Maximum Depth Adjustable Factory Set to $\frac{1}{8}$ "
(5 HP Recommended For $\frac{1}{4}$ " Depth of Cut)
Minimum Length 6" Unbutted

Rate of Feed:
Linear Feet Per Minute Infinitely Variable, 15 to 25
Inches of Stock Cut Per Minute 180 to 300
Number of Cuts Per Minute 13,500

Cutterhead:
Diameter 2 $\frac{23}{64}$ "
Diameter of Cutting Circle 2 $\frac{9}{16}$ "
Speed 4500 RPM

Feed Drive Mechanism:
Fully enclosed gear box in oil bath with heavy duty chain drive. Infinitely adjustable feed within range. Feed roll disengagement with feed control lever.

Feed Rollers:
In-Feed 1 $\frac{3}{4}$ " Diameter-Serrated
Out-Feed 1 $\frac{3}{4}$ " Diameter Smooth
Speed 32 to 55 RPM Infinitely Variable

Idler Table Rollers Centered 5 $\frac{1}{2}$ " Apart, 1 $\frac{1}{8}$ " Diameter

Table Raising Mechanism:
Hand Crank Moves Table $\frac{1}{16}$ " Per Turn
Thickness Scale 0" to 6" in 16ths
Table Dimension 13" x 26"
Overall Dimensions Width 31" Front to Back 26"
Height 39"

Floor Dimensions of Base:
Width 27" Front to Rear 15" 4 $\frac{1}{2}$ " Mounting Holes,
16 $\frac{1}{2}$ " Between Centers, 12" Front to Rear

Shipping Weight Less Motor and Control 480 Lbs.

STANDARD EQUIPMENT

Basic Machine includes ball bearing cutterhead with set of three high-speed steel knives, cutterhead pulley, motor pulley and drive belts. Motor and electrical controls must be ordered separately.

CATALOG LISTING

No. 22-401 Basic Machine. Includes 22-128 set of three high-speed steel knives, cutterhead pulley, 22-425 motor pulley (1 $\frac{1}{8}$ " bore), 49-169 feed and 22-424 cutterhead drive belts, knife-setting gage and wrenches. Also contains cover plate for covering recessed starter opening. Without motor and electrical controls.

ing, see Sections P and Q. †No. 49-000 "JIC" Type Control Kit. Specify this Catalog Number, in addition to Three Phase Cat. No. 52-375 or 52-376, in order to obtain 13" x 6" Planer with "JIC" type electricals, factory mounted and wired.

Rockwell Delta UNIPLANE

DELTA QUALITY FEATURES

A. Unique, Safe Cutting Action—Exposed portion of cutters revolves in a path only three-eighths of an inch wide. This feature was specially designed into the UNIPLANE to provide maximum operator safety.

Kickback of material is eliminated due to the rotary and shearing action of the cutters.

Cutterhead has two sets of cutters—four cutters that score and four that shear the material. Note in illustration that the cutter entering the material first makes a scoring cut, while the cutter which follows makes a shearing cut. This unique cutting action produces exceptionally fine cutting results!

B. Micro-Set® Cut Control—Equipped with a precision Acme thread feed screw (machine tool type) permitting exceptionally accurate depth-of-cut settings. Large, knurled dial facilitates effortless settings. Graduated collar is calibrated in 64ths of an inch. Markings are widely spaced to permit easy reading and assure accurate adjustment.

C. Convenient Controls—Depth of Cut Control, placed at front of machine, is readily accessible. Large, easy-to-read graduations are in full view of operator. Convenient handles at right and left ends of machine securely lock table in position. Adjustable, easy-to-read angle scale is calibrated from 0° to 45°. Safe push button switch, located within easy reach, is equipped with a shrouded start button to

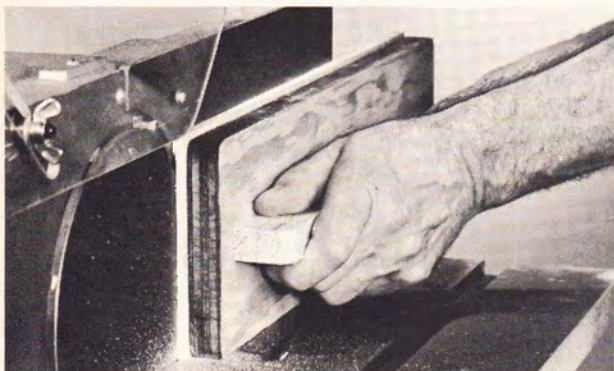
prevent accidental starts and a protruding stop button for quick, emergency stops.

D. Preferred Dove-Tailed Ways—In-feed fence rides on precision, dove-tailed ways. Easily adjustable gibs compensate for any wear.

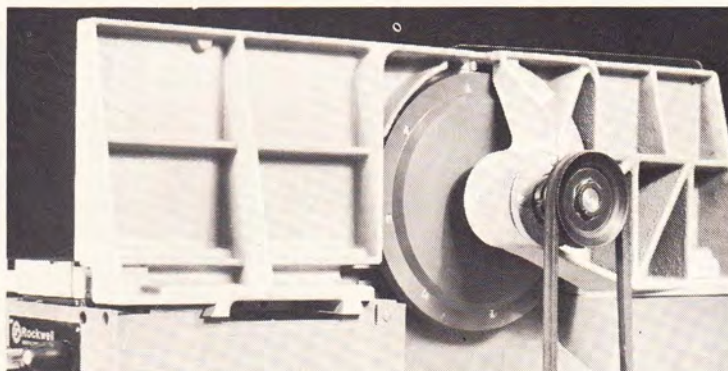
E. Massive Construction—Extra large bearing housing, which carries the arbor, bearings and cutterhead, is integrally cast with the out-feed fence to assure perfect cutting accuracy. Cast iron, scientifically ribbed fences are stress relieved to maintain accurate alignment.

F. Specially Designed Cutterhead—Dynamically balanced, cast iron cutterhead provides flywheel type action for smooth cutting. Cutterhead mounts on a tapered shaft, with key, for minimum runout and utmost accuracy. Cutters, which are securely locked in place by special screws, can be easily and quickly changed. Sealed, preloaded ball bearings are lubricated for life for maintenance-free operation.

G. Fully Adjustable, Heavily Ribbed Table—Has positive stops at 0° and 45°. Large handles enable table to be locked securely at any angle in between. Cast iron, scientifically ribbed table is stress relieved to maintain flatness. Table tilts on two large, widely spaced trunnions for maximum support and rigidity. Built-in slot for miter gage assures perfect accuracy for trimming operations.



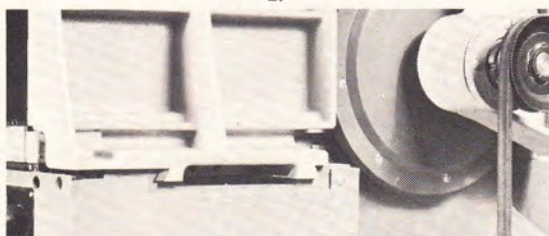
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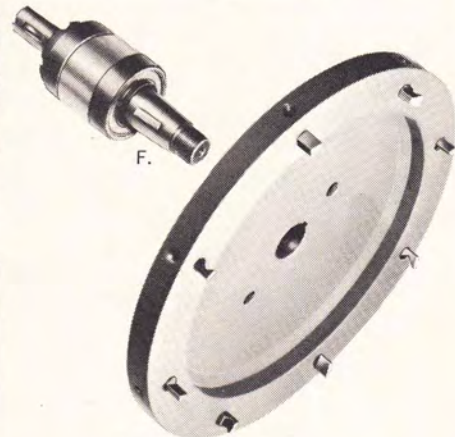
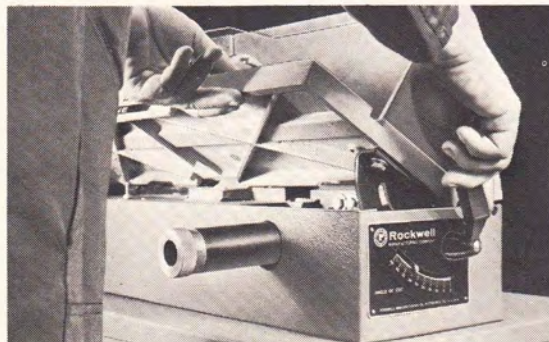
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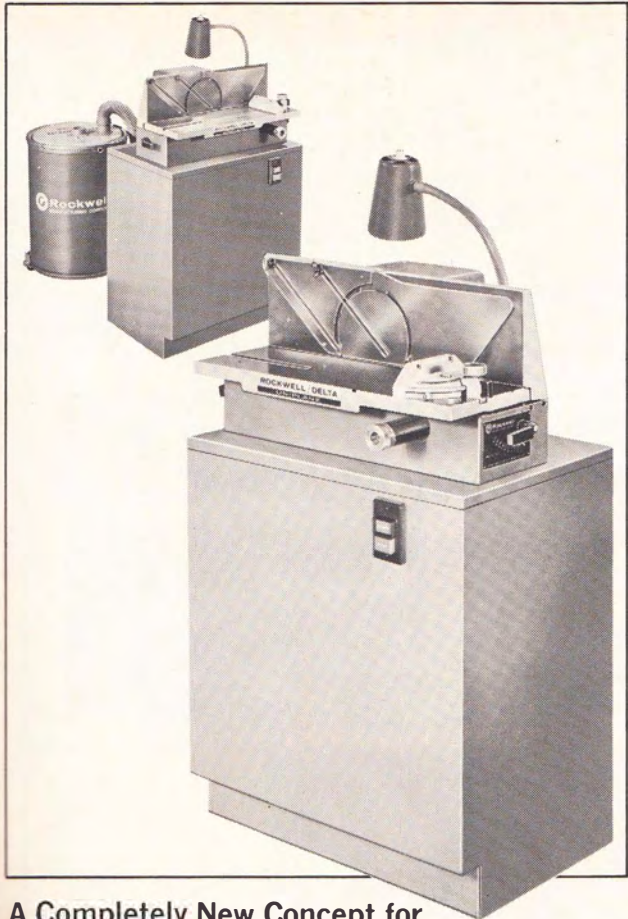


C. G.



F.

ROCKWELL DELTA UNIPLANE



A Completely New Concept for Working Wood, Plastics, Compositions

Here's a machine that offers a unique yet superior method for jointing or surfacing material up to 6" in width or thickness, or even as small as a matchstick, all with complete safety!

For example, the Rockwell Delta UNIPLANE will do

all these operations safely and with unbelievable accuracy: Planing, jointing, beveling, chamfering, trimming, tapering, and many more.

Users everywhere—pattern makers, model makers, furniture manufacturers, antique repairmen, school shop instructors, plastic fabricators—agree that the Rockwell Delta UNIPLANE is the most advanced step taken in the machinery industry in more than 50 years!

MACHINE DATA

- Cutting Capacity:**
Width6"; Depth1/8"
Cutting Circle8" Diameter
- Cutterhead:**
Speed4,000 RPM; 32,000 Cuts Per Minute
Number of Cutters8
Runs on Sealed, Lubricated-for-Life Ball Bearings.
- Table:**
Surface—Overall8" Wide x 26" Long
Working Height on Stand36 1/2"
TiltsUpward to 45°
Positive Stops0° and 45°
Miter Gage Slot3/8" x 3/4"
- Fences:**
Overall Size7" High x 26" Long
WaysDove-tailed
Cut ControlCalibrated in 64ths of an Inch.
- Overall Dimensions:**
Height on Stand44"
Width18"; Length26"
- Shipping Weight (On Stand)**240 lbs.

STANDARD EQUIPMENT

Basic Machine includes set of eight high speed steel cutters, cutterhead guard, cutterhead pulley and precision gage for setting cutters.

CATALOG LISTING

No. 22-300 Basic Machine Without Stand. UNIPLANE with set of eight high speed steel cutters, "clear-view" cutterhead guard, cutterhead pulley and precision gage for setting cutters. Without stand, motor pulley, V-belt, motor and switch. 146 lbs.

NOTE: See Section K5 for Planer Accessories

ENCLOSED STEEL STAND WITH MOTOR AND CONTROLS (Factory Mounted and Wired)

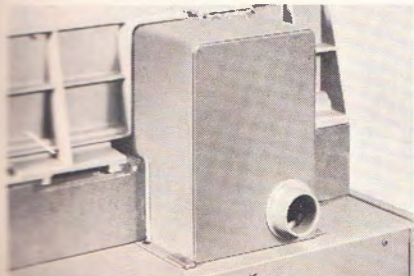
NOTE: Motor Pulley, V-belt, Belt and Pulley Guard Included.

MOTOR	MOTOR CONTROL	MOTOR ENCLOSURE	HERTZ AND MOTOR RPM	MOTOR VOLTAGE	SHIPPING WT., LBS.	CATALOG NUMBER	CAT. NO. 200V
Single Phase, 1/2 Horsepower	Push Button Switch Only	TEFC	60—3450	115/230	112	52-051	
	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60—3450	115/230	122	52-052	
Three Phase, 3/4 Horsepower	Push Button Switch Only	TEFC	60—3450	230/460	121	52-053	52-057
	Push Button Switch and Magnetic Starter	TEFC	60—3450	230/460	122	52-055	52-059
	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60—3450	230/460	123	†52-056	52-060

NOTE: Single phase electricals will be supplied wired for 115 V, unless 230 V is specified. Three phase electricals will be supplied wired for 230 V, unless 460 V is specified. Power Cord and Plug supplied for single phase only. Motors and Motor Controls for Rockwell Delta UNIPLANES may be ordered unmounted. For listing, see Sections P and Q. Only Rockwell

Delta Motors are recommended for the UNIPLANE due to their special starting characteristics. †No. 49-000 "JIC" Type Control Kit. Specify this Catalog Number, in addition to Three Phase Cat. No. 52-056, in order to obtain the UNIPLANE with "JIC" type electricals, factory mounted and wired.

DELTA QUALITY ACCESSORIES



No. 22-835 Belt and Pulley Guard. Com-

pletely encloses V-belt and motor pulley. Equipped with a 2 1/2" exhaust port for connecting to any Rockwell Vacuum Cleaner. 8 lbs.



No. 22-836 High-Speed Steel Cutters, set of eight, including four roughing and four finishing cutters, precision

ground and sharpened. Sold only in sets. 1/2 lb.

No. 22-837 Solid Carbide Cutters, set of eight, including four roughing and four finishing cutters. Sharpened. Sold only in sets. 1/2 lb.

No. 25-857 Lamp Attachment. For 115 V. Includes 18" flexible gooseneck, reflector and 8-foot cord with 2-prong plug. Uses std. bulb (not included) up to 75 watts. 2 1/2 lbs.

No. 49-104 (old 410) V-belt, 42 1/8" OC, for 3450 RPM motors. 1/2 lb.



No. 34-884 Auto-Set® Miter Gage. For straight and angle operations. Has $\frac{3}{8}$ x $\frac{3}{4}$ x 18" guide bar and pivoting work support body with pointer and calibrations reading through 120° swing. Adjustable, positive stops at 90° and 45° positions are quickly selected by means of a new, fast operating stop block. Body slotted for quick mounting of auxiliary face plate. Accommodates No. 34-568 (old 865) Clamp Attachment. 3½ lbs.

No. 41-052 Motor Pulley, 3½" diameter, ½" bore. ½ lb.

No. 41-053 Motor Pulley, 3½" diameter, ⅝" bore. ½ lb.

No. 41-054 Motor Pulley, 3½" diameter, ¾" bore. ½ lb.



No. 49-230 90° Elbow, 2½" diameter. Attaches to 22-835 belt and pulley guard. Deflects chips downward into any container. ¼ lb.

No. 49-245 Four-Wheel Caster Set for 18 and 28-Gallon Vacuum Cleaners. 3 lbs.



(Casters Extra)

No. 49-255 All-Purpose Vacuum Cleaner, 28-gallon capacity, complete with 6 amp motor, switch and cord; filter bag, fiber collector drum; 2½" diameter x 6' hose and 3" x 6" rectangular nozzle. 24 lbs.



(Casters Extra)

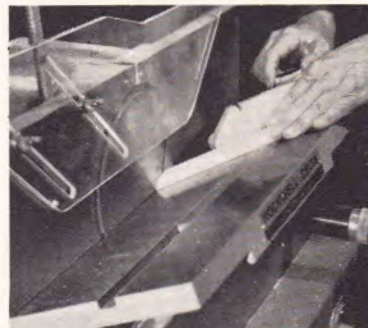
No. 49-254 All-Purpose Vacuum Cleaner, same as 49-255, except 18-gallon capacity drum. 21 lbs.

No. 50-138 Steel Stand, enclosed type, 16" wide x 26" long x 30½" high. Completely encloses motor and electrical controls. Equipped with floor mounting holes. 82 lbs.

The Rockwell Delta UNIPLANE Does More Operations Safer Than Any Other Machine!



PLANES THIN MATERIAL SMOOTHLY



TRIMS COMPOUND MITERS ACCURATELY



SURFACES EXTRA SMALL PIECES SAFELY



DRESSES HARD OR SOFT WOODS EASILY



CHAMFERS SMALL PIECES WITH COMPLETE SAFETY



TRIMS COMPOSITIONS EXACTLY



FINISHES PLASTICS WITH EASE



JOINTS PLYWOODS AND LAMINATES SMOOTHLY



SQUARES ENDS PERFECTLY USING MITER GAGE

Note: Guard raised for photo clarity.

ROCKWELL DELTA PLANER ACCESSORIES

FOR 24" x 9" PLANER



No. 22-501 Shaving Hood, with 6" diameter opening. 20 lbs.

No. 22-502 Knife Grinding Attachment. Complete with Grinding wheel and fractional horsepower, high speed, universal type, 230 V, 25/60 hertz, single phase motor. Grinder may be permanently mounted on machine without removing shaving hood or standard cover. Unit is immediately available for grinding planer knives, eliminating costly set-up and tear-down time. 87 lbs.

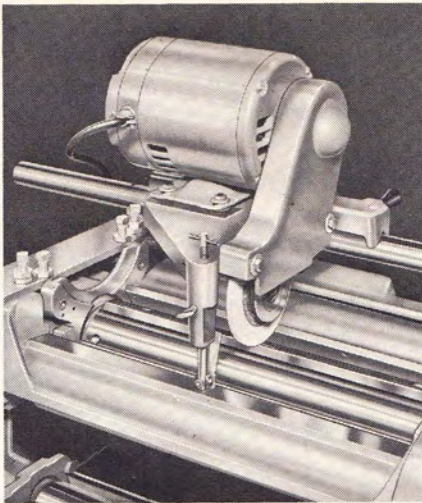
No. 22-504 Cutterhead Knives, extra set of four.

FOR 18" x 6" PLANER

No. 22-800 Set of 3 Knives. 3 lbs.



No. 22-801 Shaving Hood with 6" diameter opening. 11 lbs.



No. 22-802 Knife Grinding and Jointing Attachment. Complete with $\frac{1}{2}$ HP, 115/230 V, 60 hertz, single phase motor. Includes 115 V 8-foot cord with 3-prong grounding type plug. Allows you to grind new bevel edges on the planer knives without removing the cutterhead from the planer. 58 lbs.

No. 22-803 Redi-Set Adjustable Bed Roll Attachment. 13 lbs.

No. 22-804 Redi-Set Adjustable Bed Roll Attachment, same as 22-803 but price includes installation at factory when ordered as new equipment on new planers. 13 lbs.

No. 22-810 Motor Coupling, $\frac{7}{8}$ " x $1\frac{1}{8}$ " bore. $1\frac{1}{2}$ lbs.

No. 22-811 Motor Coupling, $1\frac{1}{8}$ " x $1\frac{1}{8}$ " bore. $1\frac{1}{2}$ lbs.

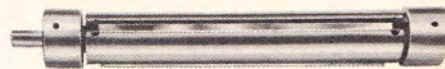
No. 22-812 Variable Speed Pulley for feed drive. 3 lbs.

No. 41-517 Two-Groove Pulley for motor or cutterhead, $1\frac{1}{8}$ " bore. 3 lbs.

No. 49-112 Set of Two V-Belts, $35\frac{1}{2}$ " O.C., for cutterhead drive.

No. 49-149 V-Belt, 33" O.C., for feed drive. $\frac{1}{2}$ lb.

FOR 13" x 6" PLANER



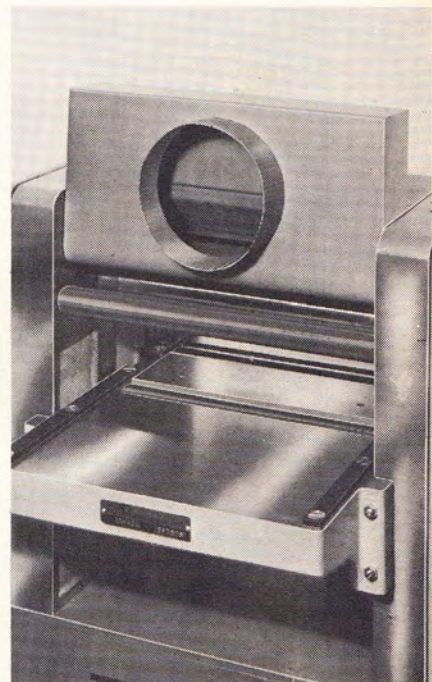
No. 22-420 Ball Bearing, 3-Knife Cutterhead. Includes 22-128 set of three H.S.S. knives, knife adjusting screws, bearings and bearing housings. 30 lbs.

No. 22-128 High-Speed Steel Knives, extra set of three. 3 lbs.

No. 22-426 Knife Grinding and Jointing Attachment. Complete with 22-813 grinding wheel; 115 V, 60 hertz, single phase motor and 115 V 8-foot cord with 3-prong grounding type plug. Allows you to grind new bevel edges on the planer knives without removing the cutterhead from the planer. 40 lbs.

No. 22-813 Grinding Wheel. Replacement for 22-426 Knife Grinding and Jointing Attachment. 2 lbs.

No. 22-423 Jointing Stone. Replacement for 22-426 and 22-421 Grinding and Jointing Attachments. 1 lb.



No. 22-422 Shaving Hood. For use only with dust vacuum system connecting to 6" diameter pipe. 7 lbs.

No. 22-424 Cutterhead Drive Belt, 7M Polyflex, 66.9" O.C. Included with basic machine. 2 lbs.

No. 49-169 Variable Feed Drive V-Belt, 50" O.C. Included with basic machine. 2 lbs.

No. 22-425 Motor Pulley, special type, $1\frac{1}{8}$ " bore. Included with basic machine. 8 lbs.

Rockwell Power Tools



The industry's best portable power tools . . .
and we have them!

Designed for rugged, continuous
production operations, they have the
many convenience and performance
features that industrial users want.
That's why they can outperform
comparable tools!

You name the job—
saw . . . drill . . . cut . . . fasten . . .
sand . . . grind—there's a
Rockwell Power Tool to suit
the application.

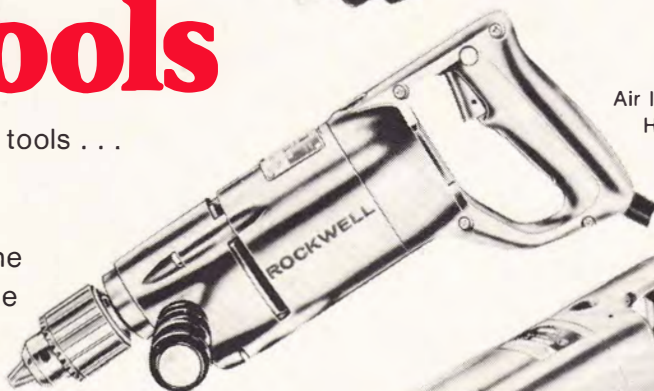
Make us prove that
Rockwell Power Tools really are
superior in features and
performance . . .
ask for a free demonstration.

**Try a
Rockwell GTO
Power Tool
on Your Job!**

*To arrange for
a demonstration,
simply call or
come in to see us!*



Air Impact Wrenches
Highest power-to-
weight ratio in
the industry



Drills
19 models,
three handle styles,
500 to 5000 rpm



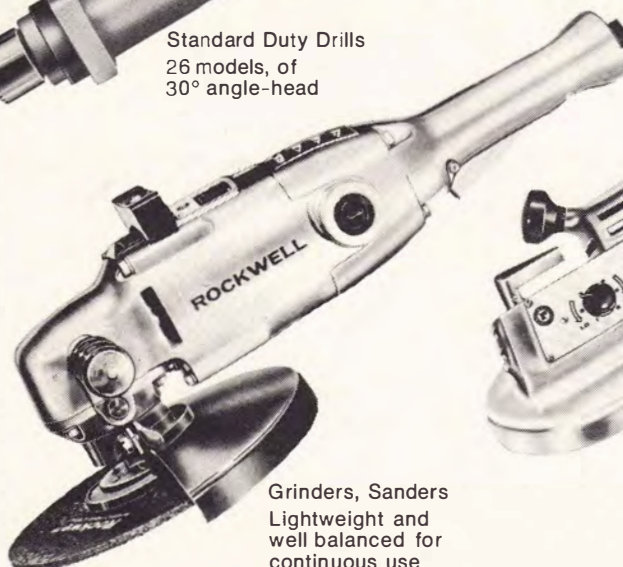
Tiger Saw
Fastest cutting,
most powerful
all-purpose saw
in the world



Standard Duty Drills
26 models, of
30° angle-head



Self-feeding Air Drills
36 models, with
3 stroke lengths



Grinders, Sanders
Lightweight and
well balanced for
continuous use



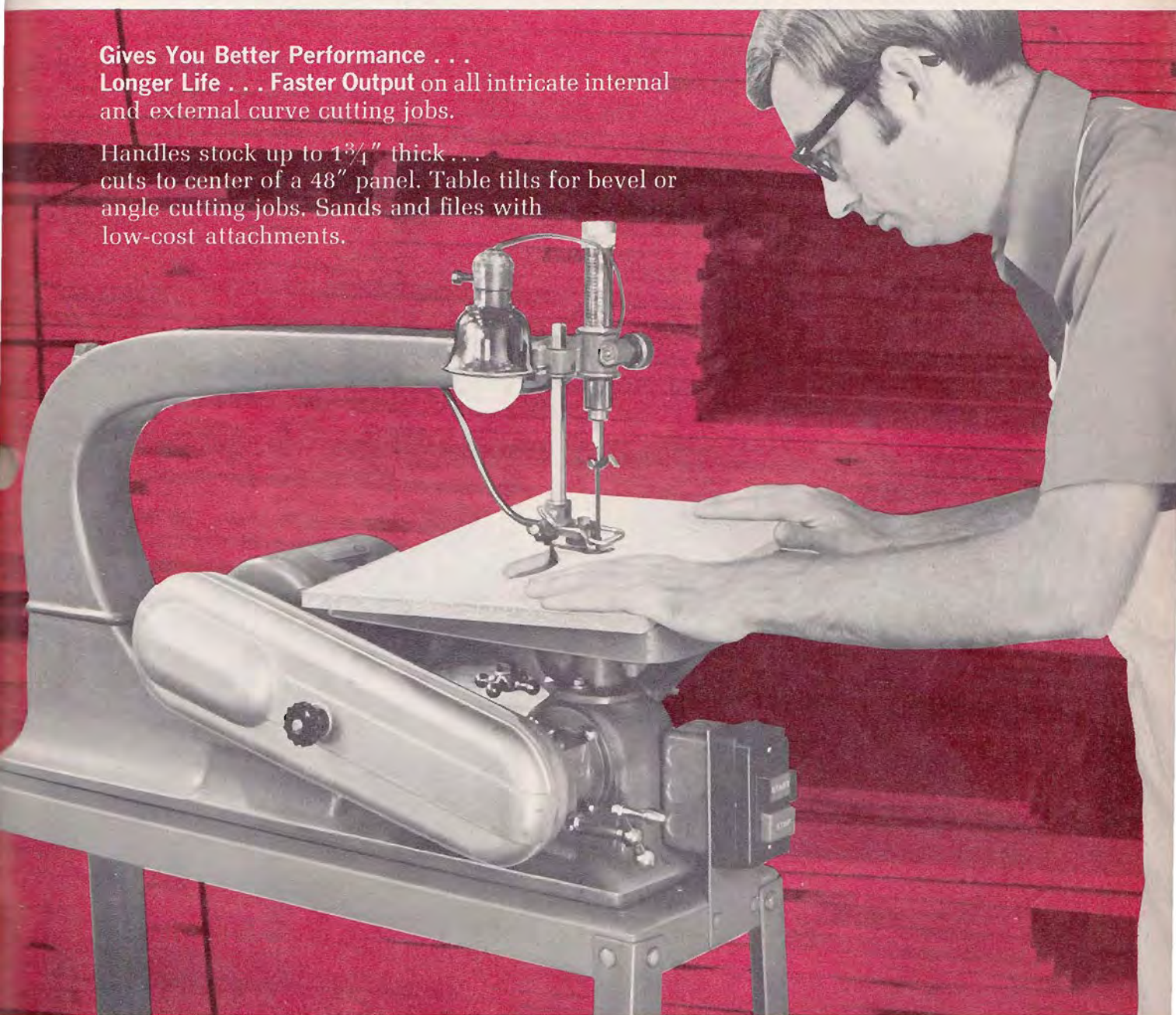
Porta-Band Band Saws
Cut almost anything . . .
anywhere!

ROCKWELL DELTA 24" SCROLL SAW

First Choice In Woodworking Shops Everywhere!

**Gives You Better Performance . . .
Longer Life . . . Faster Output** on all intricate internal
and external curve cutting jobs.

Handles stock up to 1 $\frac{3}{4}$ " thick . . .
cuts to center of a 48" panel. Table tilts for bevel or
angle cutting jobs. Sands and files with
low-cost attachments.



Choice of Variable-Speed or Four-Speed Models!

ROCKWELL DELTA 24" SCROLL SAW

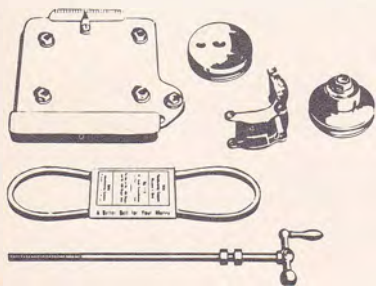
QUALITY ACCESSORIES MAKE THE 24" SCROLL SAW MORE VALUABLE

No. 50-718 Steel Stand, 8 x 34 x 31½" high. 34 lbs.

No. 49-363 Retractable Caster Set. For 50-718 Steel Stand. 12 lbs.

No. 40-207 (old 1207) Four-Speed Accessory Group. Consists of 41-712 Motor Pulley (½" bore), 41-722 machine pulley and 49-340 (old 340) V-belt. 3 lbs.

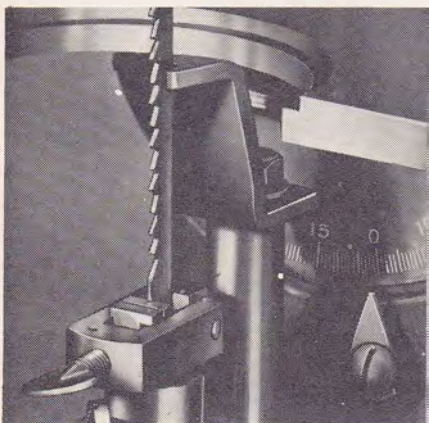
No. 40-203 (old 1203) Belt and Pulley Guard. For use with 40-207 (old 1207) Four-Speed Accessory Group. 6 lbs.



No. 40-444 (old 1444) Variable Speed Accessory Group. Converts the Four-Speed 24" Scroll Saw to a Variable Speed Model. This efficient drive, with a range of 650 to 1700 cutting strokes per minute, provides the proper cutting speed for any material—high speed for fast, fine work—slow speed for heavy work—and an infinite choice of speeds in between. A convenient speed control handle permits fine speed adjustment—even within 1 or 2 C.S.M.—while the machine is running.

Consists of 40-446 (old 1446) variable-speed motor pulley (½" bore), 40-447 (old 1447) motor base with bracket, screws and handle, 49-303 (old 331) special V-belt and 40-443 (old 1443) special drive pulley (½" bore). 11 lbs.

No. 40-442 (old 1442) Belt and Pulley Guard. For use with 40-444 (old 1444) Variable Speed Assembly. 11 lbs.



No. 40-204 (old 1204) Lower Saber Saw Blade Guides. Support saber blade directly below table. Enable you to do perfect straight-line saber cutting because the blade is supported below the table as well as above.

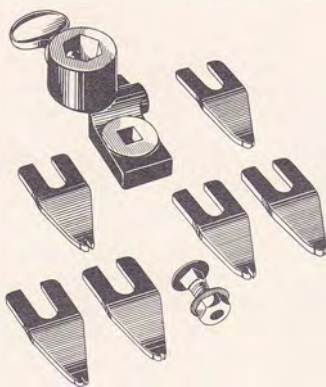
Consists of (2) lower guides with post, nut and thumb screw. Blade slots—.030" and .040". ¾ lb.



No. 40-711 (old 711) Sanding Attachment. For sanding concave, convex or flat surfaces. Eliminates annoyance of makeshift devices. Knurled knob expands body of sanding attachment, tightens garnet sleeve securely, 1½" wide, ½" thick and 2½" long. ¼" dia. shank fits universal lower chuck of scroll saw. With one sleeve. ½ lb.

Sanding Sleeves. Package of 6. ¼ lb.

Number	Type	Grit and Finish
46-841 (old 841)	Garnet	No. 1 Medium
46-248 (old 842)	Garnet	No. 1/0 Fine



No. 40-202 (old 1202) Individual Blade Guides. Supplement the regular guide and hold-down. Used where close following of a line or pattern is important. Ideal for puzzle and marquetry work.

Set of six different, hardened steel guides and bracket. 1 lb.



No. 40-715 (old 715) Self-Centering Lower-Jaw Chuck. Fits lower plunger of scroll saw. Valuable aid for fine marquetry and puzzle work. Fine blades are automatically guided to center of chuck, then locked with thumb screw. Includes special jaw for use with upper chuck. ¾ lb.

No. 40-882 (old 882) Lamp Attachment. Eliminates shadows and brings light to your work where needed for accurate following of layouts, yet does not glare. Can be swung out of the way by a touch of the finger. Furnishes every machine with its own illumination, independent of the shop lighting system. Uses standard 15 or 25-watt bulb. Includes shade, socket, cord, four flat links, bolts, spacer and attachment bracket. 1½ lbs.

SCROLL SAW BLADES

A proper blade for every job. All are 5" long with accurately spaced teeth. Heat treated for extra long life. Have ¾" blank ends for fastening into chuck. ½ doz. to a package. ¼ lb.

Cat. No.	Material Cut	Width In.	Teeth Per Inch	Blade Full Size
40-058 (Old 58)	Steel ■ Iron Lead ■ Copper Aluminum	.070	32	
40-159 (Old 59)	Pewter Asbestos Paper ■ Felt	.070	20	
40-160 (Old 60)	Steel ■ Iron Lead ■ Copper Brass	.070	15	
40-161 (Old 61)	Aluminum Pewter Asbestos	.085	15	
40-164 (Old 64)	Wood	.110	20	
40-165 (Old 65)	Asbestos ■ Brake Lining ■ Mica Steel ■ Iron Lead ■ Copper Brass Aluminum Pewter	.250	20	
40-184 (Old 84)	Wood Veneer Plus Plastics Celluloid Hard Rubber Bakelite Ivory Extremely Thin Materials	.035	20	
40-185 (Old 85)	Plastics Celluloid	.050	15	
40-187 (Old 87)	Bakelite	.070	7	
40-188 (Old 88)	Ivory ■ Wood	.110	7	
40-191 (Old 91)	Wall Board Pressed Wood Wood ■ Lead Bone ■ Felt Paper ■ Copper Ivory Aluminum	.110	15	
40-192 (Old 92)		.110	10	
40-193 (Old 93)	Hard and Soft Wood	.187	10	
40-194 (Old 94)		.250	7	
40-195 (Old 95)	Pearl ■ Pewter Mica	.054	30	
40-196 (Old 96)	Pressed Wood Sea Shells	.054	20	
40-198 (Old 98)	Hard Leather	.085	12	

As a general rule, always select the narrowest blades recommended for intricate curve cutting and widest blades for straight and large curve cutting operations.

SABER BLADES FOR WOOD

Made of high-grade steel with teeth hardened and accurately set. Are 5" in length. ½ doz. to a package. ¾ lb.

No. 40-703 (old 703) .025" thick, .187" wide, 9 teeth per inch.

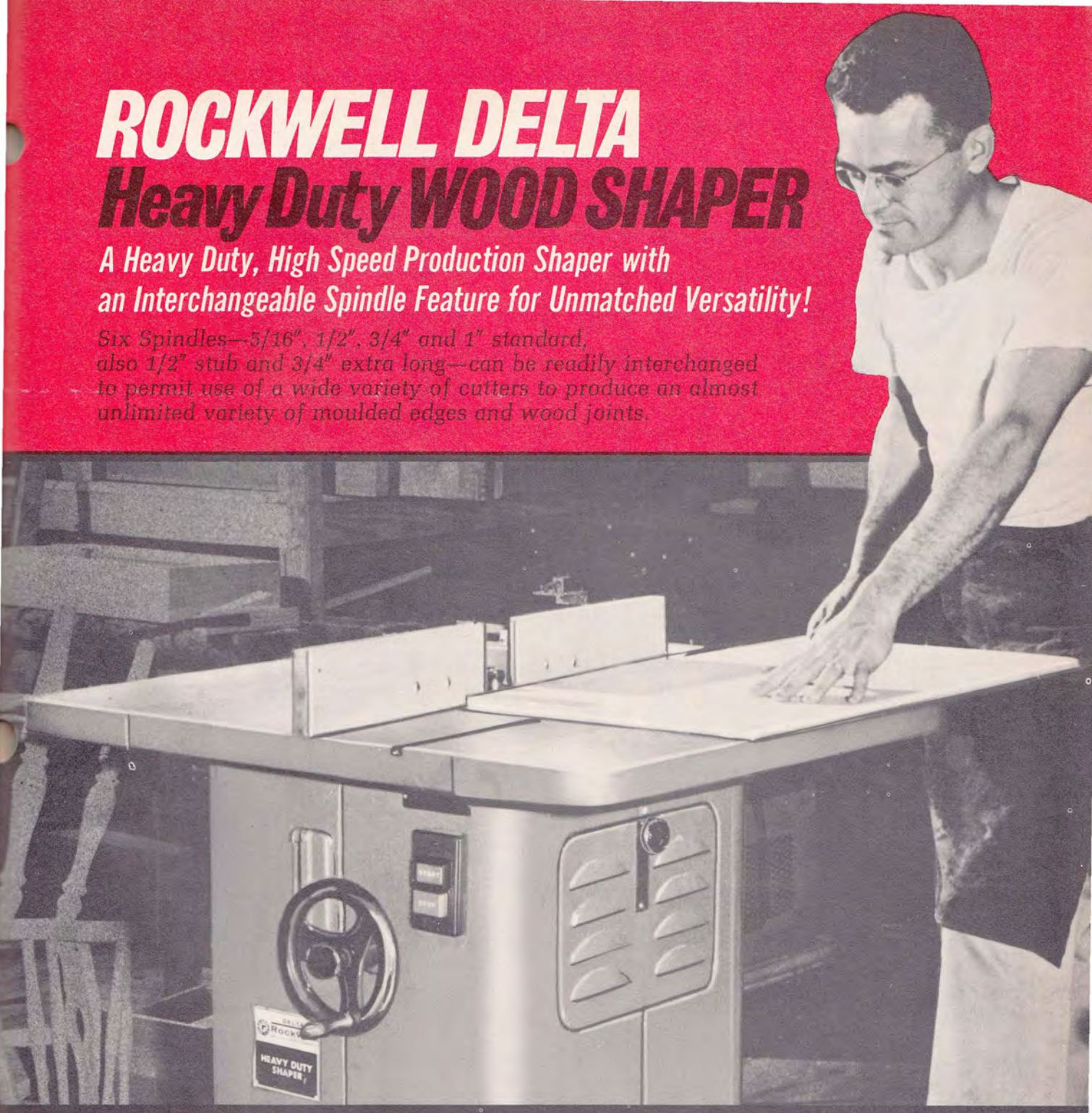
No. 40-704 (old 704) .035" thick, .250" wide, 7 teeth per inch.

ROCKWELL DELTA

Heavy Duty WOOD SHAPER

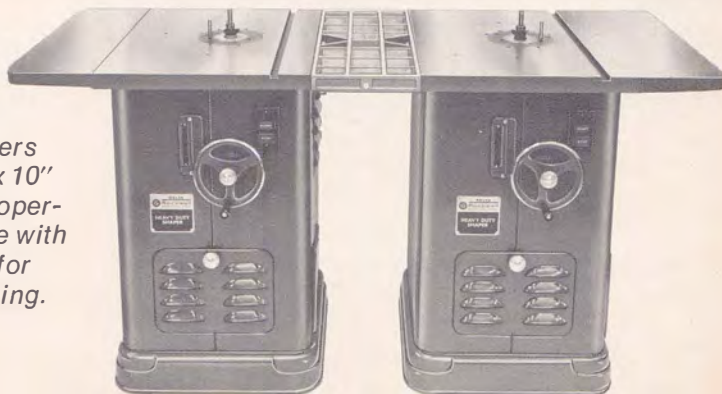
A Heavy Duty, High Speed Production Shaper with an Interchangeable Spindle Feature for Unmatched Versatility!

Six Spindles— $5/16"$, $1/2"$, $3/4"$ and $1"$ standard, also $1/2"$ stub and $3/4"$ extra long—can be readily interchanged to permit use of a wide variety of cutters to produce an almost unlimited variety of moulded edges and wood joints.



Dual Shaper Set-Up Steps Up Production!

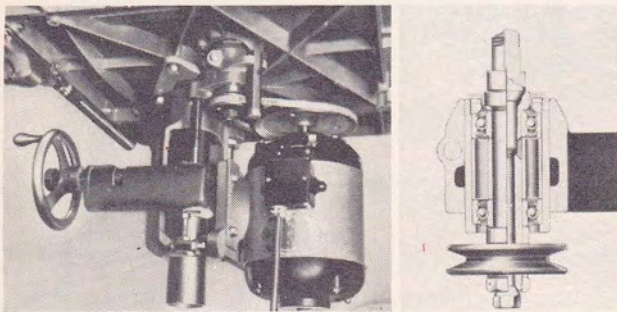
Shown are two 43-340 Wood Shapers joined together with a 34-862 27" x 10" Table Extension. Set-up provides operator with a double spindle machine with a 27" x 78" table surface, suitable for immediate right- or left-hand shaping.



ROCKWELL DELTA INDUSTRIAL WOODWORKING MACHINES

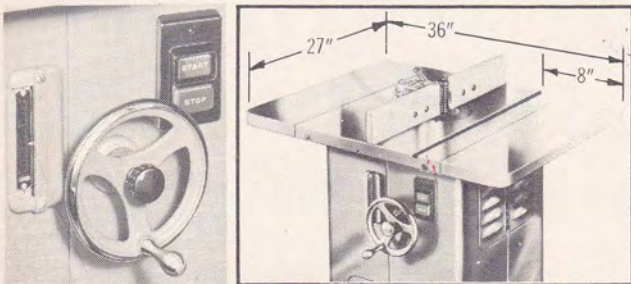
ROCKWELL DELTA HEAVY DUTY WOOD SHAPER

DELTA QUALITY FEATURES THAT MAKE THE HEAVY DUTY SHAPER THE BIGGEST VALUE IN ITS CLASS!



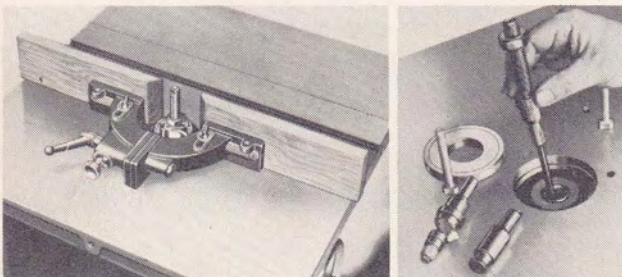
(Left) **Unitized Drive Mechanism**—The spindle, housing, motor, raising and lowering mechanism are a single self-contained unit, securely assembled to the under side of the table for absolute 90° spindle-to-table alignment.

(Right) **Rugged Spindle Assembly**—Short, rigid drive spindle and closely set lubricated-for-life ball bearings—pre-loaded to prevent distortion at high speeds—assure accurate, chatter-free shaping.



(Left) **Conveniently Grouped Controls**—The spindle adjusting hand wheel, spindle lock, height adjustment scale and starting switch all are grouped at the front of the machine within easy reach of the operator from his normal working position.

(Right) **Massive Table**—Measures a full 20" x 27". Can be increased to 36" x 27" by adding two extension wings. Furnishes ample support for shaping large work. Has precision ground face, ribbed under-table construction to prevent warping and springing. Milled $\frac{3}{8}$ " x $\frac{3}{4}$ " groove permits use of a variety of accessory work-holding devices, such as miter gage, tenoner and sliding shaper jig.



(Left) **Fully Adjustable Fence**—Both fence halves are independently adjustable for precise depth-of-cut settings using the same convenient control knob and locking lever. Fence halves measure a full $3\frac{3}{4}$ " x $12\frac{3}{4}$ " and adjust end-wise so that fence opening can be varied in direct relation to the cutter size for safer operation. Entire fence assembly can be easily removed for free-hand shaping of curved or irregular work.

(Right) **Interchangeable Spindles**— $\frac{5}{16}$ ", $\frac{1}{2}$ ", $\frac{3}{4}$ " and 1" standard spindles; a $\frac{1}{2}$ " stub spindle for cope cutters and an extra-long $\frac{3}{4}$ " spindle with $4\frac{3}{4}$ " capacity under the nut, are readily interchangeable to permit use of a wide variety of shaper cutters. Table opening size can be varied, as needed, by removing special table insert rings.



No. 43-205 Heavy Duty Wood Shaper

Shown With Accessory Cutterhead and Electricals.

A favorite in cabinet shops, furniture factories, specialty shops, school shops, sash and door companys and similar installations because of its unequalled versatility. This Rockwell Delta Shaper is engineered to accept six interchangeable spindles! It will handle $\frac{5}{16}$ ", $\frac{1}{2}$ ", $\frac{3}{4}$ " and 1" standard spindles, a $\frac{1}{2}$ " stub spindle, plus an extra long $\frac{3}{4}$ " spindle with $4\frac{3}{4}$ " capacity under the nut. There's practically no limit to the variety of cuts the Delta Shaper will produce because of the wide range of shaper cutter sizes it will accommodate. This unmatched shaping versatility, together with Delta's famous quality construction, make the Delta Wood Shaper the biggest value in its class!

STANDARD EQUIPMENT

Basic Machine includes fence, $\frac{3}{4}$ " and $\frac{1}{2}$ " spindles, one table extension, table inserts, starting pin, spindle pulley, and wrenches.

MACHINE DATA

Spindle:

Diameters Furnished $\frac{1}{8}$ " and $\frac{3}{4}$ "
Diameters (Accessory Equipment) $\frac{5}{16}$ " and 1";
..... $\frac{3}{4}$ " Extra Long and $\frac{1}{2}$ " Stub
Capacity (Under Nut): 1" Spindle 4";
 $\frac{3}{4}$ " Spindle... $3\frac{1}{4}$ "; $\frac{3}{4}$ " Spindle (Extra Long)... $4\frac{3}{4}$ ";
 $\frac{1}{2}$ " Spindle... $2\frac{1}{2}$ "; $\frac{5}{16}$ " Spindle... $1\frac{1}{2}$ "

Travel 3"

Speed 10,000 RPM

Table:

Size 20" x 27"
Size (With Extra Extension) 28" x 27"
Size (With Two Extra Extensions) 36" x 27"
Height 34"
Insert Opening Diameters $6\frac{3}{4}$ ", $3\frac{1}{2}$ ", 3" and $1\frac{3}{4}$ "

Fence Size (Each Side) $3\frac{3}{4}$ " x $12\frac{3}{4}$ " x $1\frac{5}{16}$ "

Overall Dimensions:

Width 20"; Width (With Two Extra Extensions)... 36"
Depth 27"; Height $37\frac{3}{4}$ "

Motor:

Accommodates NEMA Frame Motors 56 and 145T

ROCKWELL DELTA INDUSTRIAL WOODWORKING MACHINES

ROCKWELL DELTA HEAVY DUTY WOOD SHAPER

CATALOG LISTING

No. 43-340 (old 1340) Wood Shaper with one 43-349 (old 1349) 8" x 27" table extension, 43-354 (old 1354) fence, 43-937 $\frac{3}{4}$ " spindle, 43-347 (old 1347) $\frac{1}{2}$ " spindle, table inserts, starting pin, spindle pulley and wrenches. Without motor, controls, motor pulley, V-belt or cutters. 293 lbs.

No. 43-205 Wood Shaper. Same as No. 43-340 (old 1340) except with two 43-349 (old 1349) 8" x 27" table extensions. Without motor, controls, motor pulley, V-belt or cutters. 318 lbs.

No. 43-301 Wood Shaper. Same as No. 43-205, except with 43-830 Deluxe Fence Guard Assembly. 320 lbs.

MOTORS AND CONTROLS (Factory Mounted and Wired) NOTE: Motor Pulley and V-Belt Included

MOTOR	MOTOR CONTROL	MOTOR ENCLOSURE	HERTZ AND MOTOR RPM	MOTOR VOLTAGE	SHIPPING WT., LBS	CATALOG NUMBER	CAT. NO. 200V
Single Phase, 1 Horsepower	Push Button Switch Only	TEFC	60-3450	115/230	65	52-328	
	Push Button Switch and Overload Switch	TEFC	60-3450	115/230	80	52-329	
	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-3450	115/230	85	52-330	
Single Phase, 2 Horsepower	Push Button Switch Only	TEFC	60-3450	115/230	88	52-331	
	Push Button Switch and Overload Switch	TEFC	60-3450	115/230	90	52-332	
	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-3450	115/230	95	52-333	
Three Phase, 1 Horsepower	Push Button Switch and Magnetic Starter	TEFC	60-3450	230/460	69	52-338	52-335
	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-3450	230/460	73	52-339	52-336
Three Phase, 2 Horsepower	Push Button Switch and Magnetic Starter	TEFC	60-3450	230/460	71	52-344	52-341
	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-3450	230/460	75	52-345	52-342

*All Motors Supplied with Integral Reversing Switch.

NOTE: Single phase, 1 HP electricals will be supplied wired for 115 V, unless 230 V is specified. Single phase 2 HP electricals will be supplied wired for 230 V only. Three phase electricals will be supplied wired for

No. 43-206 Wood Shaper, Complete and Ready to Run. With two 43-349 8" x 27" table extensions, 43-830 deluxe fence guard assembly, 43-828 1" spindle cartridge assembly, table inserts, starting pin, spindle pulley and wrenches, motor pulley, V-belt, 3 HP three phase 230/460 V motor supplied with integral reversing switch (wired for 230 V unless 460 V is specified), and LVC 24 V push button station, magnetic starter, transformer and 3-leg overload protection. 439 lbs.

No. 43-207 Wood Shaper, Complete and Ready to Run. Same as No. 43-206, except with 200 V motor. 439 lbs.

NOTE: Items bearing individual catalog numbers, as included in 43-340, 43-205, 43-206 and 43-301, can be ordered separately; see price list.

230 V, unless 460 V is specified. Power Cord and Plug supplied for single phase only. Motors and Motor Controls for Rockwell Delta Heavy Duty Shapers may be ordered unmounted. For listing, see Sections P and Q.

DELTA QUALITY ACCESSORIES FOR INCREASED JOB PERFORMANCE

No. 43-346 (old 1346) $\frac{5}{16}$ " Spindle. For 3-lip shaper cutters with $\frac{3}{16}$ " hole. 1 lb.

No. 43-347 (old 1347) $\frac{1}{2}$ " Spindle. Included with basic machine. For 3-lip shaper cutters with $\frac{1}{2}$ " hole. 1 lb.

No. 43-345 (old 1345) $\frac{1}{2}$ " Stub Spindle. For cope cutters with $\frac{1}{2}$ " hole. 1 lb.

No. 43-937 $\frac{3}{4}$ " Spindle. Included with basic machine. For use with cutterheads with $\frac{3}{4}$ " hole. $\frac{3}{4}$ lb.

No. 43-826 Extra Long $\frac{3}{4}$ " Spindle Cartridge Assembly for clockwise or counter-clockwise rotation. Provides $4\frac{3}{4}$ " capacity under nut. For use with wide cutters for fluting and reading. 2 lbs.

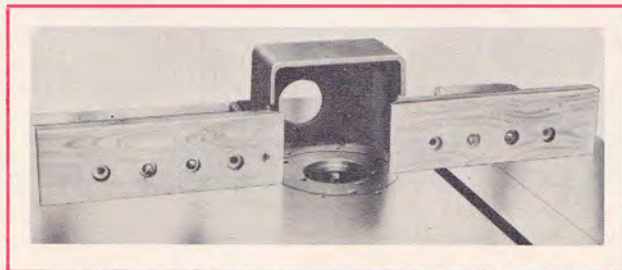
No. 43-828 1" Spindle Cartridge Assembly for use with 1" hole cutters. For clockwise or counter-clockwise rotation. 6 lbs.

No. 41-134 Motor Pulley, $7\frac{1}{2}$ " diameter, $\frac{3}{4}$ " bore. 3 lbs.

No. 41-136 Motor Pulley, $7\frac{1}{2}$ " diameter, $\frac{5}{8}$ " bore. 3 lbs.

No. 41-140 Motor Pulley, $7\frac{1}{2}$ " diameter, $\frac{7}{8}$ " bore. 3 lbs.

No. 49-101 V-belt, $29\frac{1}{8}$ " O.C. $\frac{1}{2}$ lb.



No. 43-830 Fence Guard Assembly. For large diameter cutters. Fence halves adjust independently. Accommodates cutters up to 6" in diameter when used with 43-828 1" diameter Spindle Cartridge Assembly.

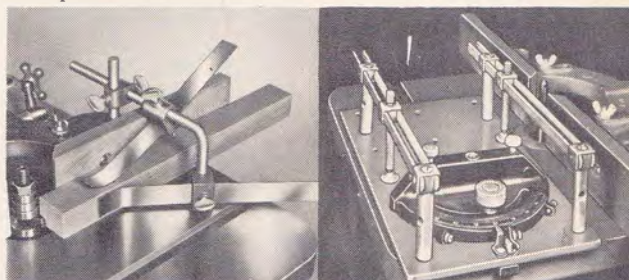
No. 34-862 Table Extension, open grid type, 27" x 10". 7 lbs.

No. 34-884 Auto-Set® Miter Gage. For straight and angle

operations. Has $\frac{3}{4}$ x $\frac{3}{8}$ x 18" guide bar and pivoting work support body with pointer and calibrations reading through 120° swing. Adjustable, positive stops at 90° and 45° positions are quickly selected by means of a new, fast operating stop block. Body slotted for quick mounting of auxiliary face plate. Accommodates No. 34-568 (old 865) Clamp Attachment. $3\frac{1}{2}$ lbs.

No. 34-568 (old 865) Clamp Attachment for miter gage. Holds work evenly and safely when edge shaping with miter gage. Includes clamp bar, two sliding clamp screws, front and rear posts. $1\frac{1}{2}$ lbs.

No. 34-873 (old 873) Extra Clamp Screw and Bracket for clamp attachment. 2 lbs.



(Left) No. 43-983 (old 983) Spring Hold Downs. Used with shaper fence on straight shaping operations. Holds work firmly against fence and table. Accommodates work up to $3\frac{1}{2}$ " thick, any length. 3 lbs.

(Right) No. 43-186 (old 1186) Sliding Shaper Jig. For horizontal shaping operations such as tenon and groove cutting. Securely holds short and narrow work, prevents slipping. 15 lbs.

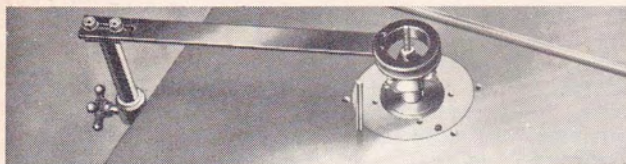
No. 43-170 (old 1170) Tenoner. Used with 1186 Shaper Jig Base. Simplifies vertical shaping operations as in-face shaping and drawer construction. 19 lbs.

Continued on next page

ROCKWELL DELTA INDUSTRIAL WOODWORKING MACHINES

ROCKWELL DELTA HEAVY DUTY WOOD SHAPER

ACCESSORIES—Continued

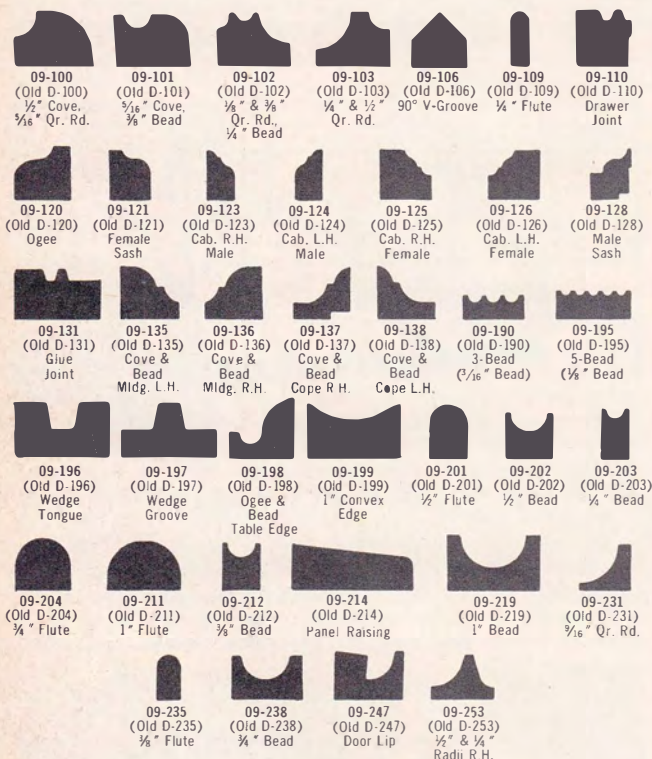


No. 43-348 (old 1348) Safety Ring Guard. For added safety and convenience on curved and circular edge shaping operations. Complete with mounting bracket. 9 lbs.

3-LIP SHAPER CUTTERS



All have $\frac{1}{2}$ " spindle hole. Involute relief design permits honing of the face without changing the shape. Cutters 09-128 and 09-137 are counterbored to fit Stub Spindle No. 43-345 (old 1345). Cutters are shown $\frac{3}{8}$ size. $\frac{1}{2}$ lb. each.



Straight Cutters— $\frac{1}{2}$ " Hole

Number	Thickness	Dia.	Number	Thickness	Dia.
09-107 (Old D-107)	$\frac{1}{2}$ "	$1\frac{3}{8}$ "	09-108 (Old D-108)	$\frac{1}{4}$ "	$1\frac{1}{16}$ "
09-130 (Old D-130)	$\frac{3}{4}$ "		09-127 (Old D-127)	$\frac{3}{8}$ "	
09-104 (Old D-104)	1"		09-139 (Old D-139)	$\frac{1}{4}$ "	$2\frac{3}{32}$ "
09-105 (Old D-105)	$1\frac{1}{2}$ "		09-129 (Old D-129)	$\frac{3}{8}$ "	

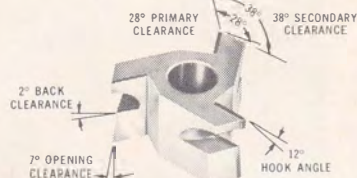
Spacing Collars— $\frac{1}{2}$ " Hole

Number	Dia.	Thickness	Number	Dia.	Thickness
09-133 (Old D-133)	$\frac{1}{16}$ "	$\frac{1}{8}$ "	09-144 (Old D-144)	1"	$\frac{3}{8}$ "
09-150 (Old D-150)	$1\frac{1}{8}$ "	$\frac{3}{16}$ "	09-173 (Old D-173)	$1\frac{1}{16}$ "	
09-155 (Old D-155)	$\frac{3}{4}$ "	$\frac{1}{4}$ "	09-145 (Old D-145)	$1\frac{1}{8}$ "	
09-217 (Old D-217)	$1\frac{3}{32}$ "		09-132 (Old D-132)	$1\frac{3}{32}$ "	
09-134 (Old D-134)	$1\frac{1}{32}$ "		09-141 (Old D-141)	$1\frac{3}{16}$ "	
09-140 (Old D-140)	$1\frac{1}{4}$ "		09-146 (Old D-146)	$1\frac{1}{4}$ "	
09-215 (Old D-215)	$1\frac{1}{32}$ "		09-174 (Old D-174)	$1\frac{3}{16}$ "	
09-151 (Old D-151)	$1\frac{1}{8}$ "		09-175 (Old D-175)	$1\frac{1}{16}$ "	
09-142 (Old D-142)	$\frac{3}{4}$ "	$\frac{3}{8}$ "	09-176 (Old D-176)	$1\frac{1}{8}$ "	
09-171 (Old D-171)	$\frac{1}{16}$ "		09-147 (Old D-147)	$1\frac{3}{8}$ "	
09-143 (Old D-143)	$\frac{7}{8}$ "		09-148 (Old D-148)	$1\frac{1}{2}$ "	
09-172 (Old D-172)	$\frac{1}{16}$ "		09-177 (Old D-177)	$1\frac{3}{8}$ "	
			09-178 (Old D-178)	$1\frac{1}{16}$ "	
			09-179 (Old D-179)	$1\frac{9}{16}$ "	
			09-180 (Old D-180)	$1\frac{7}{8}$ "	
			09-149 (Old D-149)	$1\frac{3}{4}$ "	

CARBIDE-TIPPED DOOR LIP SHAPER CUTTERS

The special design of the cutters assures a sharp edge on the tool lip, resulting in these user benefits: Cutter runs cool and will not overload the machine. Cutter lasts longer because a heavy cutting corner can be maintained. The cutter won't burn the work. Cutter stays sharp longer and will not heel. Finally, the pattern can be ground many times.

No. 43-900 Door Lip Cutter. For clockwise rotation. Cuts with rabbet down, feed left to right. $2\frac{7}{16}$ " diam. with bushing for use on $\frac{1}{2}$ " and $\frac{3}{4}$ " spindles. 10 oz.



No. 43-901 Door Lip Cutter. For counter-clockwise rotation. Same as 43-900 except right to left feed. 10 oz.

COLLAR SETS

No. 43-210 (old 1210) Set of 7 Collars. $\frac{3}{4}$ " to $1\frac{1}{4}$ " diameter. 09-142, 09-143, 09-144, 09-145, 09-171, 09-172, 09-173. $\frac{1}{2}$ lb.

No. 43-211 (old 1211) Set of 6 Collars. $1\frac{1}{16}$ " to $1\frac{1}{2}$ " diameter. 09-141, 09-146, 09-147, 09-148, 09-174, 09-175. 1 lb.

No. 43-212 (old 1212) Set of 6 Collars. $1\frac{1}{16}$ " to $1\frac{3}{4}$ " diameter. 09-149, 09-176, 09-177, 09-178, 09-179, 09-180. $1\frac{1}{2}$ lbs.

No. 43-191 (old 1191) Set of 4 Collars for Sash Cutters. 09-140, 09-141, 09-150 and 09-151. $\frac{1}{2}$ lb.

No. 43-198 (old 1198) Set of Table Inserts With Guide Shoulders. For templet shaping operations where collars are not used. Set of two— $2\frac{3}{8}$ " and $1\frac{5}{8}$ " diameter. $1\frac{1}{2}$ lbs.

CUTTER AND COLLAR SETS

No. 43-182 (old 1182) Standard Cutter Set. Consists of Cutters 09-100 to 09-109 inclusive and Collars 09-142 to 09-149 inclusive. Packed in wood box. $3\frac{1}{2}$ lbs.

No. 43-213 (old 1213) Cove and Bead Cutter Set. Consists of Cutters 09-129, 09-135 to 09-139 inclusive and Collars 09-132 and 09-134. Packed with 43-345 Stub Spindle Assembly and SP-10 Wrench. 2 lbs.

No. 43-214 (old 1214) Sash and Cabinet Cutter Set. Consists of Cutters 09-108, 09-120, 09-121, 09-123 to 09-128 inclusive and Collars 09-140, 09-141, 09-150 and 09-151. Packed with 43-345 Stub Spindle Assembly and SP-10 Wrench. 3 lbs.

3-KNIFE SAFETY CUTTERHEAD

Enables circular saw moulding cutter knives to be used on the wood shaper.

No. 43-343 (old 1343) Cutterhead. Includes wrench and bushing for use with $\frac{1}{2}$ " and $\frac{3}{4}$ " shaper spindles. Furnished without knives. 1 lb. For actual size and shape of cutters, see Section "G6."



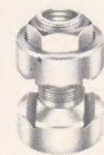
SAFETY CUTTERHEAD AND BLANK KNIVES

For special mouldings that cannot be made with standard shaper cutters. Knives are self-hardening and sand-blasted so that desired cutter shape may be drawn directly on them and ground to shape.

No. 43-342 (old 1342) Cutterhead. For use with $\frac{3}{4}$ " spindle. $2\frac{3}{64}$ " high, with tightening block; less knives. $1\frac{1}{2}$ lbs.

No. 43-192 (old 1192) Cutterhead. For use with $\frac{1}{2}$ " spindle. $2\frac{3}{64}$ " high, with tightening block; less knives. $1\frac{1}{2}$ lbs.

Blank Knives—Set of Two. For use with 43-342 (old 1342) and 43-192 (old 1192) cutterheads. All $\frac{1}{8}$ " thick with 30° clamping angle. $\frac{1}{2}$ lb.



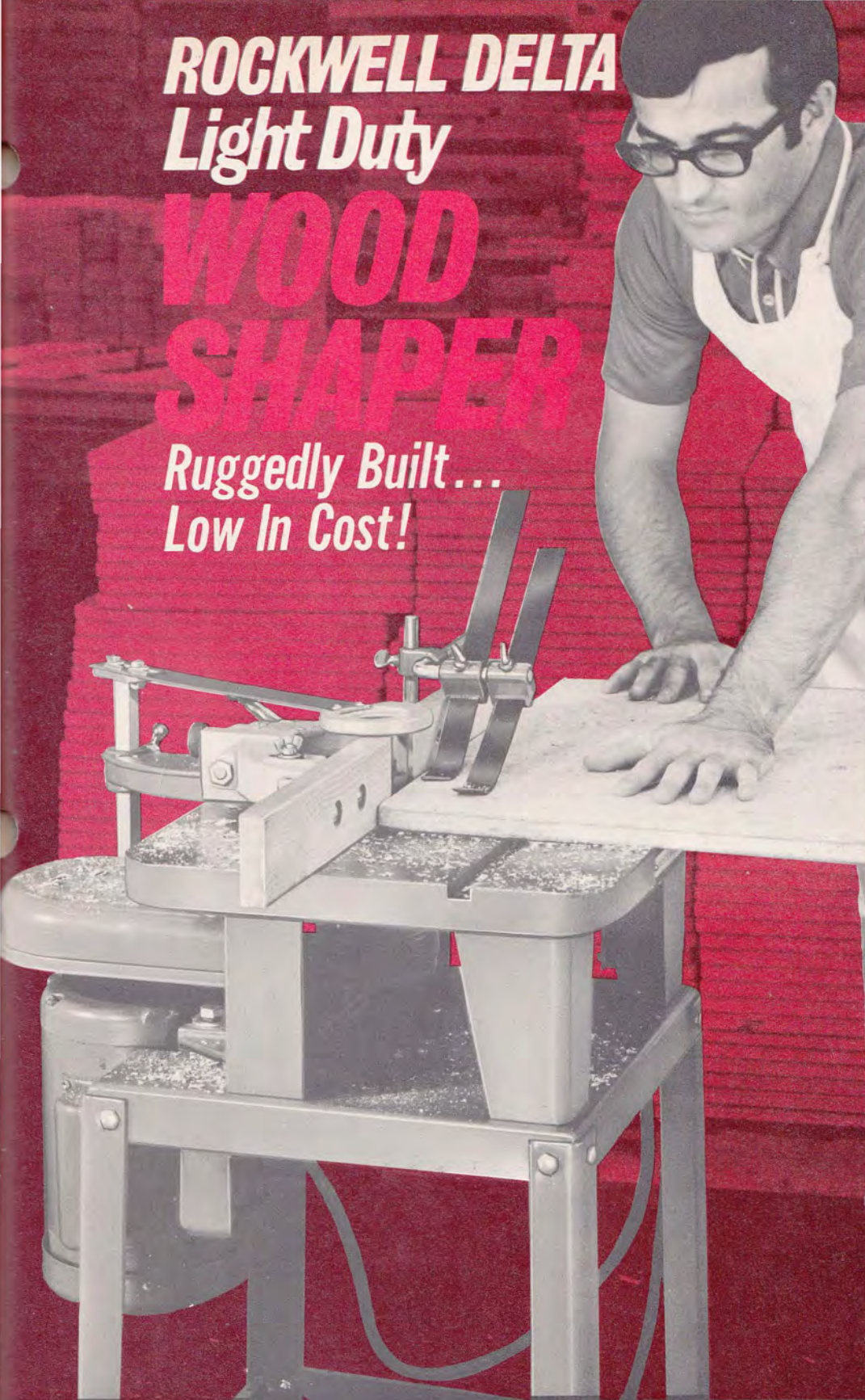
NO. 43-342 Shown With Blank Knives



Number	43-193 (old 1192)	43-194 (old 1194)	43-195 (old 1195)	43-196 (old 1196)
Size	$\frac{1}{2} \times 2\frac{1}{2}$	$\frac{3}{4} \times 2\frac{1}{2}$	1" x $2\frac{1}{2}$	$1\frac{1}{2} \times 2\frac{1}{2}$

ROCKWELL DELTA **Light Duty** **WOOD** **SHAPER**

**Ruggedly Built...
Low In Cost!**

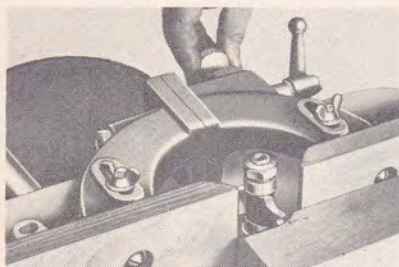


- Offers unlimited possibilities for making mouldings on straight, internal and external, curved and irregular surfaces.
- Three interchangeable spindles available— $5/16"$ and $1/2"$ standard, $1/2"$ stub.
- Quick positioning, cam type spindle raising and lowering mechanism for easy operation.
- Large, independently adjustable fence halves for maximum safety and top quality performance.
- Rugged spindle assembly—short, rigid drive spindle and closely spaced bearings—assures accurate, chatter-free shaping.
- See this BIG VALUE in action today!

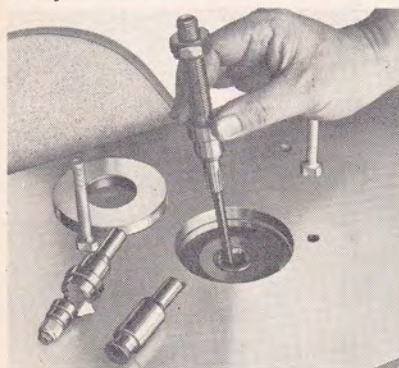
ROCKWELL STATIONARY POWER TOOLS FOR THE BUILDING TRADES

ROCKWELL DELTA LIGHT DUTY WOOD SHAPER

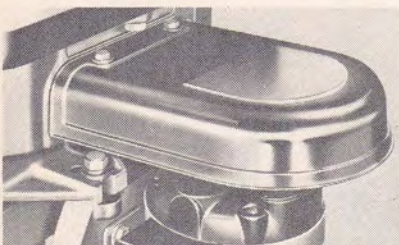
DELTA QUALITY FEATURES



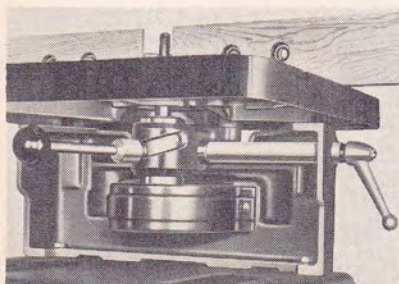
Single Knob Control insures accurate fence adjustments—both halves are independently adjustable for greater safety and convenience.



Interchangeable Spindles, including a stub spindle for cope cuts on windows and doors permit use of a wide variety of cutters.



Guard Completely Covers Motor, belt and pulley for greater operator safety. Spring holddown, ring guard and other safety items available as accessories.



Convenient Spindle Control Lever under front of table facilitates height settings—special lock handle securely holds desired setting.

Short, Rigid Spindle (not shown) with closely spaced bearings, eliminates whip, assures smooth, clean work. Requires no lubrication for life of bearings.



Wood Shaper with Motor, On-Off and Reversing Switch, Pulley, V-Belt, Stand and Accessory Ring Guard, Spring Hold Downs and Casters.

The Delta Wood Shaper offers unlimited possibilities for making mouldings on straight, internal and external, curved and irregular surfaces. Shaper cutters with $\frac{1}{2}$ " hole can be used, also cope cutters using the $\frac{1}{2}$ " stub spindle. This extreme versatility together with such quality features as precision ground $15\frac{1}{2} \times 18$ " table... lubricated-for-life ball bearing spindle... fully adjustable fence... and more make the Delta Shaper an unequalled value.

MACHINE DATA

Overall Dimensions

Width	25 $\frac{1}{2}$ "
Depth	25 $\frac{1}{2}$ "
Height	
Bench Model	10 $\frac{1}{2}$ "
On Stand	37"

Table:

Size	15 $\frac{1}{2}$ " x 18"
Table Slot	$\frac{3}{8}$ " x $\frac{3}{4}$ "
Insert Openings (Diameter)	3" and 1 $\frac{3}{8}$ "

Fence Size (each side) ... 2 $\frac{3}{4}$ " x 11 $\frac{3}{8}$ "

Working Height On Stand..... 34"

Capacity:

$\frac{1}{2}$ " Spindle (under nut) 2 $\frac{3}{8}$ "

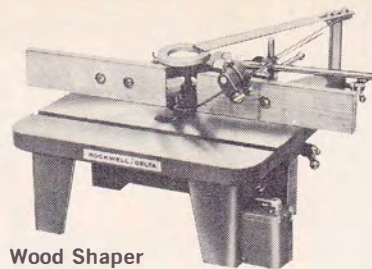
Spindle:

Travel	$\frac{7}{8}$ "
Speed (with 3450 rpm motor)	

9000 rpm

Motor:

Accommodates NEMA Frame Motor 56



Wood Shaper
(Bench Model) with Accessory
Ring Guard and Spring Hold Downs.

CATALOG LISTING

No. 43-110 Basic Machine Without Stand. Includes fence, $\frac{1}{2}$ " spindle, table insert, starting pin, belt and pulley guard, spindle pulley and wrenches. Without stand, motor pulley, V-belt, motor, switch and power cord. 85 lbs.

CONVENIENT ONE NUMBER ORDERING

(Shipped in Individual Cartons)
FOR SINGLE PHASE W/HEAVY DUTY MOTOR

No. 43-111 Wood Shaper complete. Includes 43-110 Shaper with 50-305 Stand, 62-213 $\frac{1}{2}$ HP Motor with 115V power cord and plug set, 49-316 Reversing Drum Switch, 43-805 Motor Pulley ($\frac{5}{8}$ " bore) and 49-105 V-belt (30 $\frac{1}{8}$ " O.C.). Not assembled. 142 lbs.

No. 43-112 Wood Shaper complete. Includes 43-110 Shaper with 50-305 Stand, 62-003 1 HP Motor with Integral Reversing Switch, 52-346 Manual Control Push Button Switch, 49-513 115 V power cord and plug set, 43-805 Motor Pulley ($\frac{5}{8}$ " bore) and 49-105 V-belt (30 $\frac{1}{8}$ " O.C.). Not assembled. 166 lbs.

FOR THREE PHASE WITH HEAVY DUTY MOTOR

No. 43-114 Wood Shaper Complete. Includes 43-110 Shaper with 50-305 Stand, 66-004 1 HP Motor with Integral Reversing Switch and 52-347 Manual Control Push Button Switch, 43-805 Motor Pulley ($\frac{5}{8}$ " bore) and 49-105 V-belt (30 $\frac{1}{8}$ " O.C.). Not assembled. 156 lbs.

ACCESSORY EQUIPMENT

No. 34-884 Auto-Set® Miter Gage. 3 $\frac{1}{2}$ lbs.

No. 43-805 Motor Pulley, $\frac{5}{8}$ " bore. 2 lbs.

No. 49-105 V-belt, 30 $\frac{1}{8}$ " O.C. $\frac{1}{2}$ lb.

No. 50-305 Open Steel Stand. 26 $\frac{1}{4}$ " high. 35 lbs.

No. 49-362 Retractable Casters. 12 lbs.

No. 43-982 (old 982) Shaper Fence. Included with basic machine. 12 lbs.

No. 43-190 (old 1190) Stub Spindle. For counterbored $\frac{1}{2}$ " hole 3-lip shaper cutters: 09-128 (old D-128) and 09-137 (old D-137). 1 lb.

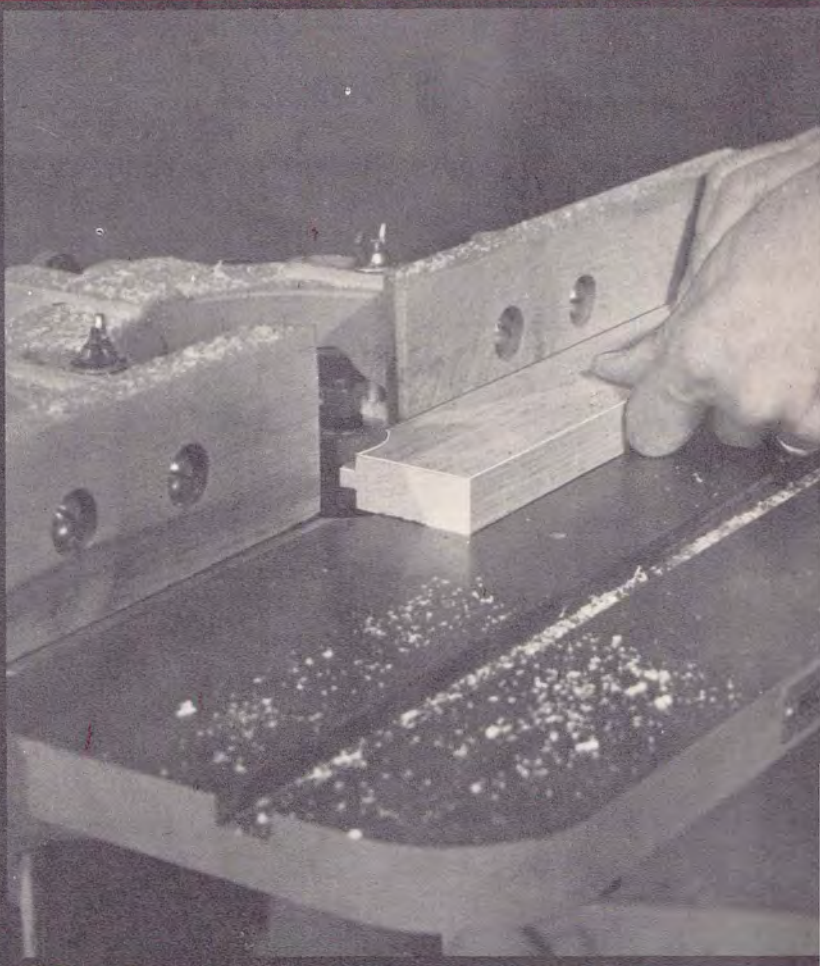
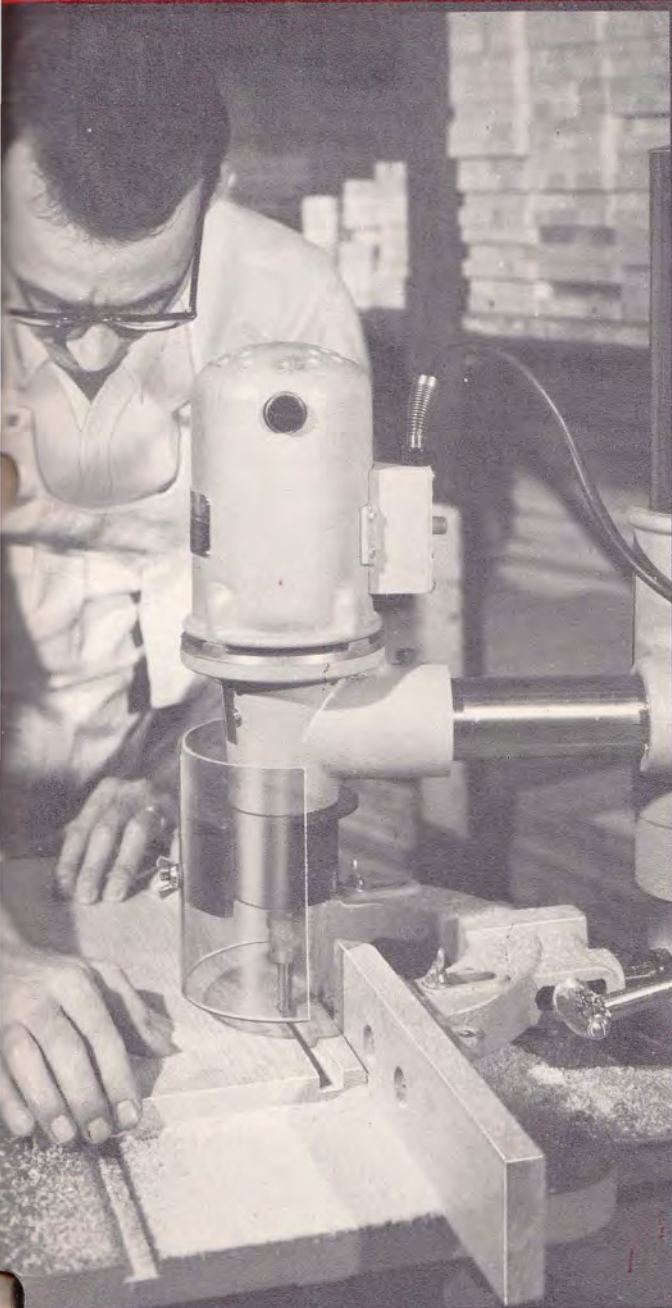
No. 43-935 $\frac{1}{2}$ " Spindle. Included with basic machine. For $\frac{1}{2}$ " hole 3-lip shaper cutters. 1 lb.

No. 43-198 (old 1198) Table Insert. With Guide Shoulders. For shaping with template without the use of collars. 3" O.D. and 1 $\frac{3}{8}$ " I.D.

No. 43-817 Ring Guard. Added safety and convenience on curved and circular edge shaping operations. Complete with mounting bracket. 6 $\frac{1}{2}$ lbs.

new! ROCKWELL DELTA OVERARM ROUTER/SHAPER

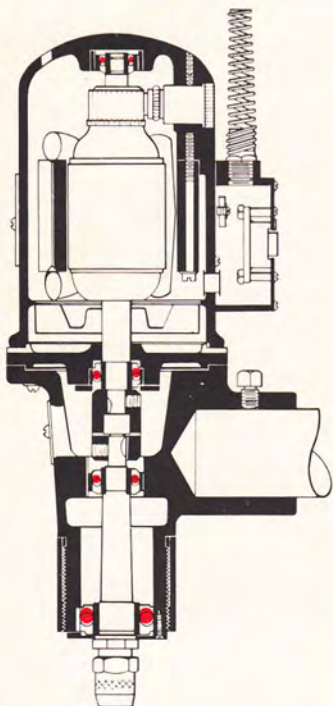
A HIGHLY VERSATILE PRODUCTION UNIT PERFECTLY SUITED FOR DOZENS OF ROUTING AND SHAPING OPERATIONS!



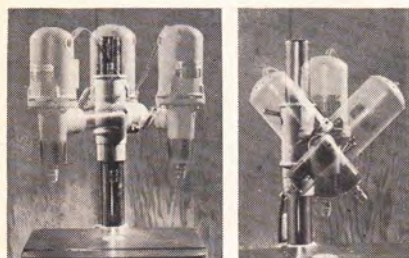
The jobs that you can do on this versatile Delta machine are practically unlimited. Use of the $\frac{1}{4}$ " collet enables you to do a wide variety of jobs—routing, rabbeting, mortising, moulding and many more. Then, by switching the motor from the overarm to the under-the-table position and using the $\frac{1}{2}$ " shaper spindle, you can make hundreds of mouldings and shapes. See this "double duty" profit builder in action today!

NEW ROCKWELL DELTA OVERARM ROUTER/SHAPER

**THESE DELTA
QUALITY FEATURES
GUARANTEE
CLEAN, FAST CUTS!**

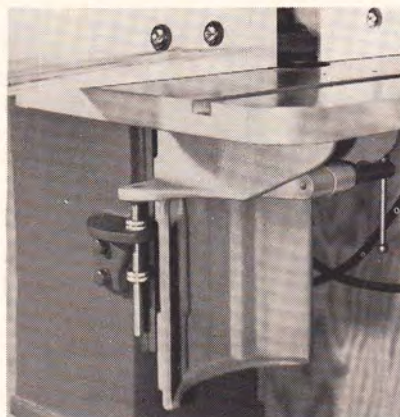


4-Bearing Spindle Support—Four precision ball bearings, two in the motor and two in the direct drive spindle, rigidly support the spindle for accurate, chatter-free operation. Lubricated-for-life, heavy duty motor operates at 20,000 RPM and develops a full 2 HP.

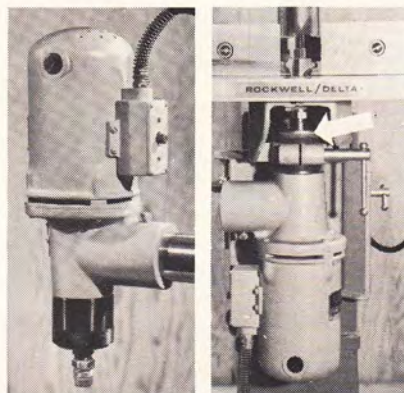


(Left) Head Easily Raised; Swivels 360°—Turning the elevating handle quickly raises or lowers the overarm and head to the exact job height required. Head can be rotated a full 360° around the column and positioned anywhere, either on or off the table.

(Right) Head Tilts to Any Angle—Mounted on a round column, the head can be moved in or out as desired. It also can be rotated 360° so that the head can be tilted to any angle for such jobs as shaping patterns and core prints and for carving.



Fully Adjustable Table Stops—Maximum and minimum travel of the table is controlled by a long, threaded rod with two sets of stop nuts. These nuts can be set and locked to limit and positively stop the table at the upper and lower travel positions when the foot lever is used.



(Left) Built-in Overload Protection—Located on the back of the motor is a manual reset thermal overload. This device protects the motor against excessive overloading conditions.

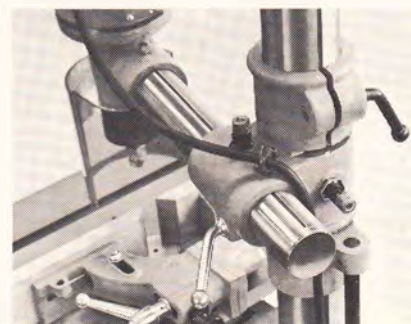
(Right) Shaping Set-up Has Fine Thread Feature—Removal of motor from overarm to under-the-table position is quickly and easily accomplished. The massive casting assembly and clamping lever firmly lock spindle in place for conventional shaping operations. Note fine thread adjustment feature for setting spindle at exact height desired.



Convenient On-Off Switch—Remote, double-pole toggle switch and disconnect is conveniently located under the front, right corner of the table for safe machine operation. Twist-lock type motor to switch cord may be disconnected for tooling changes or when changing motor for shaping.



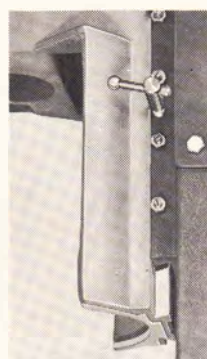
Fully Adjustable Fence—Both fence halves are independently adjustable for precise depth-of-cut settings using the same control knob and locking lever. Fence halves adjust end-wise so that fence opening can be varied according to the cutter size for safety.



Positive Indexing Stops—Used when head is positioned above table for routing. When plunger is inserted in milled slot on horizontal column, spindle is in perfect vertical position. When second plunger is located in milled slot on vertical column, spindle can be easily positioned directly over guide pin on table insert for guide pin routing.

Gibbed, Dove-Tailed Table Ways

—Wide, long, dove-tailed ways are machined on the front of the base casting so that the big 14" x 18" table rides up and down on matching dove-tails with adjustable gibs. Built-in lock holds table at any position.

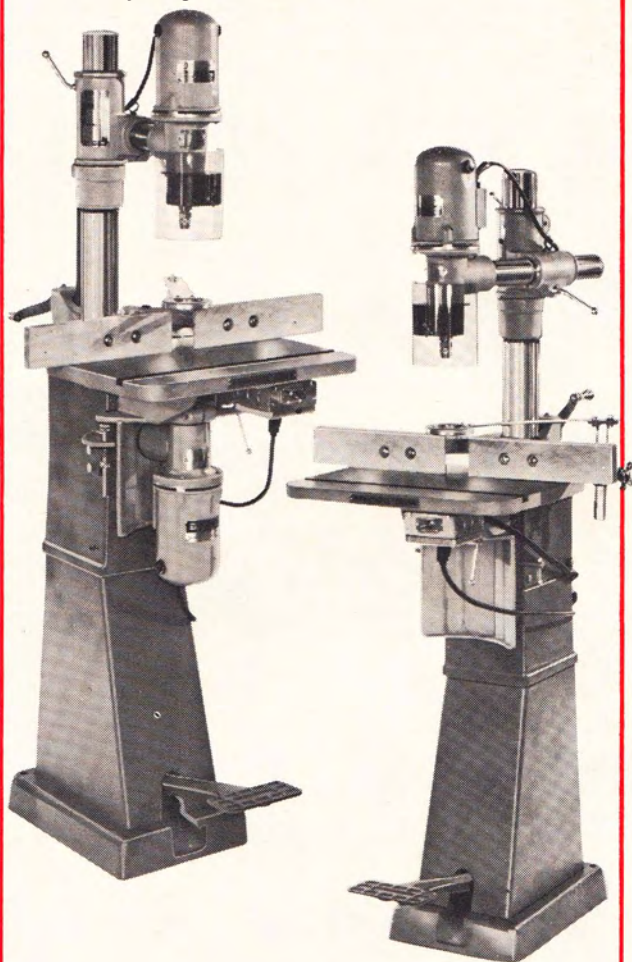


DELTA QUALITY EXTRAS

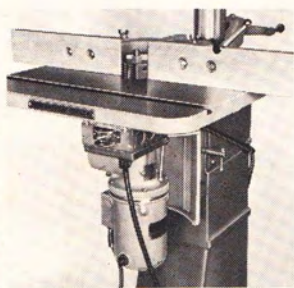
- **Precision Chuck** is integrally ground with the spindle for greater accuracy.
- **Motor Cord** has a strain relief protector.
- **Machine Wound Armature** assures identical electrical and physical characteristics of the nylon-clad and insulated coils.
- **Self-Adjusting Brushes** are spring-loaded, cartridge type for better commutation and peak performance.
- **Table** has a 3/4" x 3/8" Miter Gage Groove.
- **Foot** operated, double spring type, **Self Locking Table Raiser** moves table 13/8"

NEW ROCKWELL DELTA OVERARM ROUTER/SHAPER

"Double Duty" Model. Machine is set up for routing and, with Accessory Work Head in under-the-table position, shaping is immediately possible. No. 43-817 Accessory Ring Guard also shown.



Machine set up for routing.
Shown with No. 43-817
Accessory Ring Guard.



Machine with motor
in under-the-table
position for shaping.

This extra versatile machine is the only one of its type in the world! Why? Because it's the only machine in its price range that's designed for high speed production routing. Then, when desired, it can be easily converted for shaping. The high speed, 20,000 RPM motor develops up to 2 HP, making it well suited for working wood, plastic and non-ferrous metals. Furthermore, you get clean, fast cuts when routing, moulding, making dovetails, grooving, mortising, tenoning and rabbeting. This unmatched versatility, together with Delta's quality construction, makes the Overarm Router/Shaper excellent for furniture manufacturers, cabinet and pattern shops, display houses, novelty and specialty shops, school shops, and plastic and metal fabricators.

MACHINE DATA

Motor (Choice of 115V, 10 Amps or 230V, 5 Amps):

Universal Type, 25-60 Hertz, AC.

Horsepower (Developed) 2.0

Overload Protection Manual Reset

Bearings Precision Ball

Spindle:

Speed (No Load) 20,000 RPM

Bearings (Four, Including Motor) Precision Ball

Chuck (Integral, Precision Ground) 1/2"

Collet (with Adapter) 1/4"

Shaper Spindle:

Capacity Under Nut with 1/2" Spindle 1 3/4"

Range:

Center of Table Hole to Column 10"

Spindle Nose to Table, Maximum 11 3/4"

Spindle Center Line to Column:

Maximum 13" Minimum 5"

Table Travel, Vertical, One Stroke of Treadle 1 3/8"

Head Travel, Vertical 10"

Head Swivels (Horizontal and Vertical Planes) 360°

Table (Has Dovetail Ways with Adjustable Gib and Lock

Features):

Size 14" x 18" Center Hole, Diameter . 2 1/2"

Slot for Gage 3/8" x 3/4"

Height From Floor (Lowest Position) 35"

Fence:

Adjustment Each Half (by Single Knob) 3/4"

Size (Each Faceplate) 2 3/4" x 11 3/8"

Length:

Maximum 25 1/2" Minimum 23 1/2"

Overall Dimensions:

Height 61 3/4" Width 25 1/2"

Front to Rear 30 1/2"

Floor Dimensions of Base:

Width 11" Front to Rear 15 5/8"

Floor Mounting Holes 4

Between Centers 9" and 13 3/8"

STANDARD EQUIPMENT

Motor with manual reset thermal overload protection; 5' cord with plug and external strain-relief protector; junction box with two-pole toggle switch and outlet; 8' cord with grounding type plug; 1/4" collet; table with adjustable stop; foot operated, double spring type, table raiser; shaper fence; 1/2" shaper spindle; spindle nose guard; six guide pins for routing (1/8", 3/16", 1/4", 5/16", 3/8", and 1/2") with two 1/4-28 lock nuts; starting pin for shaping and wrenches.

CATALOG LISTING

No. 43-502 Router/Shaper complete, with motor and switch for 115V, 25-60 hertz, AC. Includes Standard Equipment as listed. 300 lbs.

No. 43-503 Router/Shaper complete, with motor and switch for 230V single phase, 25-60 hertz, AC. Includes Standard Equipment as listed. 300 lbs.

ADDITIONAL WORK HEADS AVAILABLE

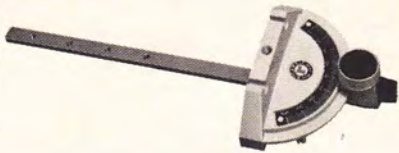
Mounting of an extra Work Head, as listed below, in the underneath table position saves set-up time (no changeover of Work Head required from routing to shaping position or vice versa) and gives user an extra Work Head for special-purpose operations. There is an unlimited number of uses for an extra Motor and Spindle Assembly.

No. 43-510 115 V Motor and Spindle Assembly, complete with 1/2" chuck. Same as used on 43-502 machine. Includes overload protection and 5-foot cord with grounding type plug. Without thread protector for spindle nose. 23 lbs.

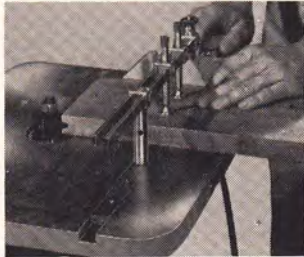
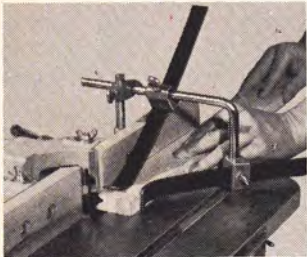
No. 43-511 230 V Single Phase Motor and Spindle Assembly. Same as 43-510, except for voltage. 23 lbs.

ROCKWELL DELTA INDUSTRIAL WOODWORKING MACHINES

ROCKWELL DELTA QUALITY ACCESSORIES



No. 34-884 Auto-Set® Miter Gage. For straight and angle finishing. Has $\frac{3}{4} \times \frac{3}{8} \times 18"$ guide bar and pivoting work support body with pointer and calibrations reading through 120° swing. Adjustable, positive stops at 90° and 45° positions are quickly selected by means of a new, fast operating stop block. Body slotted for quick mounting of auxiliary face plate. Accommodates No. 34-568 (old 865) Clamp Attachment. $3\frac{1}{2}$ lbs.



(Left) **No. 43-983 (old 983) Spring Hold Downs.** Used with shaper fence on straight shaping operations. Holds work firmly against fence and table. Accommodates work up to $3\frac{1}{2}"$ thick, any length. 2 lbs.

(Right) **No. 34-568 (old 865) Clamp Attachment** for miter gage. Holds work evenly and safely when edge shaping with miter gage. Includes clamp bar, two sliding clamp screws, front and rear posts. $1\frac{1}{2}$ lbs.

No. 34-873 (old 873) Extra Clamp Screw and Bracket for clamp attachment. $\frac{1}{2}$ lb.



No. 43-517 Transparent Spindle Nose Guard with Bracket (included as standard equipment). Used with motor in above table position only. $1\frac{1}{2}$ lbs.



No. 43-817 Ring Guard. Provides added safety and convenience on curved and circular work. Complete with mounting bracket. $6\frac{1}{2}$ lbs.

COLLAR SETS

No. 43-210 (old 1210) Set of 7 Collars. $\frac{3}{4}"$ to $1\frac{1}{8}"$ diameter. 09-142, 09-143, 09-144, 09-145, 09-171, 09-172, 09-173. $\frac{1}{2}$ lb.

No. 43-211 (old 1211) Set of 6 Collars. $1\frac{1}{16}"$ to $1\frac{1}{2}"$ diameter. 09-141, 09-146, 09-147, 09-148, 09-174, 09-175. 1 lb.

No. 43-212 (old 1212) Set of 6 Collars. $1\frac{1}{16}"$ to $1\frac{7}{8}"$ diameter. 09-149, 09-176, 09-177, 09-178, 09-179, 09-180. $1\frac{1}{2}$ lbs.

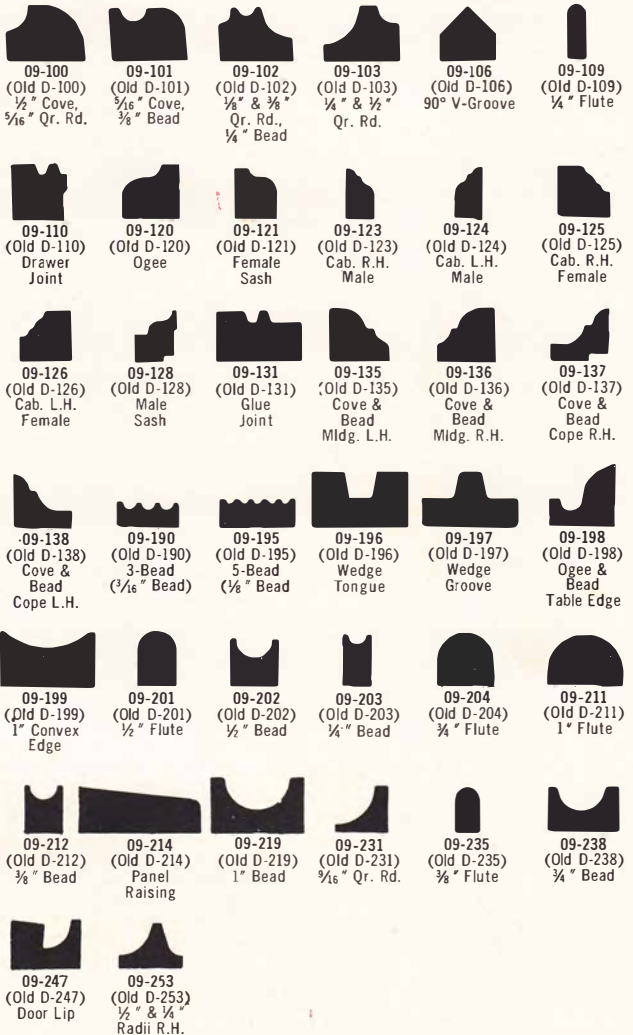
CUTTER AND COLLAR SET

No. 43-182 (old 1182) Standard Cutter Set. Consists of Cutters 09-100 to 09-109 inclusive and Collars 09-142 to 09-149 inclusive. Packed in wood box. $3\frac{1}{2}$ lbs.

3-LIP SHAPER CUTTERS



All have $\frac{1}{2}"$ spindle hole. Involute relief design permits honing of the face without changing the shape. Cutters are shown $\frac{3}{8}"$ size. $\frac{1}{2}$ lb. each.



Straight Cutters— $\frac{1}{2}"$ Hole

Number	Thickness	Dia.	Number	Thickness	Dia.
09-107 (Old D-107)	$\frac{1}{2}"$	$1\frac{1}{8}"$	09-108 (Old D-108)	$\frac{1}{4}"$	$1\frac{1}{16}"$
09-130 (Old D-130)	$\frac{3}{4}"$		09-127 (Old D-127)	$\frac{3}{8}"$	
09-104 (Old D-104)	1"		09-139 (Old D-139)	$\frac{1}{4}"$	$2\frac{1}{32}"$
09-105 (Old D-105)	$1\frac{1}{2}"$		09-129 (Old D-129)	$\frac{3}{8}"$	

Spacing Collars— $\frac{1}{2}"$ Hole

Number	Dia.	Thickness	Number	Dia.	Thickness
09-133 (Old D-133)	$1\frac{3}{16}"$	$\frac{1}{8}"$	09-144 (Old D-144)	1"	$\frac{3}{8}"$
09-150 (Old D-150)	$1\frac{3}{8}"$	$\frac{3}{16}"$	09-173 (Old D-173)	$1\frac{1}{16}"$	
09-155 (Old D-155)	$\frac{3}{4}"$	$\frac{1}{4}"$	09-145 (Old D-145)	$1\frac{1}{8}"$	
09-217 (Old D-217)	$1\frac{1}{32}"$		09-132 (Old D-132)	$1\frac{1}{32}"$	
09-134 (Old D-134)	$1\frac{1}{32}"$		09-141 (Old D-141)	$1\frac{1}{16}"$	
09-140 (Old D-140)	$1\frac{1}{16}"$		09-146 (Old D-146)	$1\frac{1}{4}"$	
09-215 (Old D-215)	$1\frac{1}{32}"$		09-174 (Old D-174)	$1\frac{1}{8}"$	
09-151 (Old D-151)	$1\frac{7}{8}"$	$\frac{3}{8}"$	09-175 (Old D-175)	$1\frac{1}{16}"$	
09-142 (Old D-142)	$\frac{3}{4}"$		09-176 (Old D-176)	$1\frac{1}{8}"$	
09-171 (Old D-171)	$1\frac{1}{16}"$		09-147 (Old D-147)	$1\frac{1}{32}"$	
09-143 (Old D-143)	$\frac{7}{8}"$		09-148 (Old D-148)	$1\frac{1}{2}"$	
09-172 (Old D-172)	$1\frac{1}{8}"$		09-177 (Old D-177)	$1\frac{5}{8}"$	
			09-178 (Old D-178)	$1\frac{11}{16}"$	
			09-179 (Old D-179)	$1\frac{3}{4}"$	
			09-180 (Old D-180)	$1\frac{7}{8}"$	
			09-149 (Old D-149)	$1\frac{1}{8}"$	

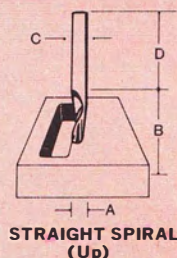
ROCKWELL DELTA QUALITY ACCESSORIES

ROUTER BITS

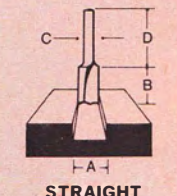
One-piece. Conventional bits complete with shank and cutting head. All are 2-spur bits, except smaller diameter straight bits ($\frac{1}{8}$ " or less). A = cutting edge diameter; B = cutting edge length; C = shank diameter; D = shank length.

Screw Type. 3 flute bits for use with separate arbor. All with $\frac{1}{4}$ "-28 threaded hole.

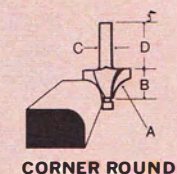
STRAIGHT SPIRAL (Down)



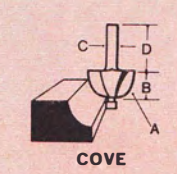
STRAIGHT SPIRAL (Up)



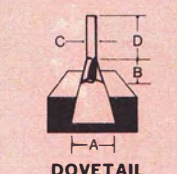
STRAIGHT



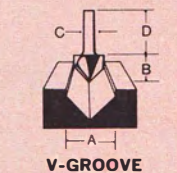
CORNER ROUND



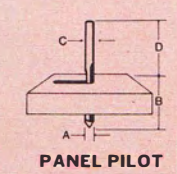
COVE



DOVETAIL



V-GROOVE



PANEL PILOT

STRAIGHT SPIRAL (Down), ONE PIECE

Number	A	B	C	D
43-601	$\frac{1}{4}$ "	$\frac{3}{4}$ "	$\frac{1}{4}$ "	$1\frac{1}{4}$ "
43-602	$\frac{5}{16}$ "	$\frac{3}{4}$ "	$\frac{1}{2}$ "	2"

STRAIGHT SPIRAL (Up), ONE PIECE

43-603	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{4}$ "	$\frac{7}{8}$ "
43-604	$\frac{1}{4}$ "	$\frac{3}{4}$ "	$\frac{1}{4}$ "	$1\frac{1}{4}$ "
43-605	$\frac{5}{16}$ "	$\frac{3}{4}$ "	$\frac{3}{8}$ "	$1\frac{1}{4}$ "
43-606	$\frac{3}{8}$ "	1"	$\frac{3}{8}$ "	2"

STRAIGHT, ONE PIECE

Number	A	B	C	D
43-607*	$\frac{1}{8}$ "	$\frac{5}{16}$ "	$\frac{1}{4}$ "	$1\frac{1}{4}$ "
43-608	$\frac{3}{16}$ "	$\frac{1}{2}$ "	$\frac{1}{4}$ "	$1\frac{1}{4}$ "
43-609	$\frac{1}{4}$ "	$\frac{3}{4}$ "	$\frac{1}{4}$ "	$1\frac{3}{8}$ "
43-610	$\frac{1}{4}$ "	$\frac{1}{2}$ "	$\frac{1}{4}$ "	$1\frac{1}{4}$ "
43-611	$\frac{1}{4}$ "	$\frac{1}{2}$ "	$\frac{1}{4}$ "	$1\frac{1}{4}$ "
43-612	$\frac{1}{4}$ "	1"	$\frac{1}{4}$ "	$1\frac{1}{4}$ "
43-613	$\frac{3}{8}$ "	$1\frac{1}{2}$ "	$\frac{1}{2}$ "	$1\frac{3}{16}$ "
43-614	$\frac{1}{2}$ "	$1\frac{1}{2}$ "	$\frac{1}{2}$ "	$1\frac{1}{16}$ "
43-615	$\frac{1}{2}$ "	2"	$\frac{1}{2}$ "	$1\frac{1}{16}$ "
43-616	$\frac{3}{4}$ "	1"	$\frac{1}{2}$ "	$1\frac{3}{8}$ "
43-617	$\frac{1}{2}$ "	1"	$\frac{1}{2}$ "	$1\frac{3}{8}$ "
43-618	1"	1"	$\frac{1}{2}$ "	$1\frac{3}{8}$ "

*Single Flute

STRAIGHT, CARBIDE-TIPPED, ONE PIECE

Number	A	B	C	D
43-716*	$\frac{3}{16}$ "	$\frac{3}{8}$ "	$\frac{1}{4}$ "	1"
43-717	$\frac{1}{4}$ "	$\frac{3}{4}$ "	$\frac{1}{4}$ "	$1\frac{3}{16}$ "
43-718	$\frac{1}{4}$ "	1"	$\frac{1}{4}$ "	$1\frac{3}{8}$ "
43-719	$\frac{3}{8}$ "	1"	$\frac{1}{4}$ "	$1\frac{1}{2}$ "
43-720	$\frac{1}{2}$ "	$1\frac{1}{2}$ "	$\frac{1}{2}$ "	$1\frac{1}{2}$ "
43-721	$\frac{1}{2}$ "	2"	$\frac{1}{2}$ "	$1\frac{1}{2}$ "
43-722	$\frac{3}{4}$ "	1"	$\frac{1}{2}$ "	$1\frac{3}{8}$ "

*Single Flute

STRAIGHT, SCREW TYPE

Number	A	B	C	D
43-619	$\frac{1}{2}$ "	$19/32$ "		
43-620	$\frac{5}{8}$ "	$19/32$ "		
43-621	$1\frac{1}{16}$ "	$19/32$ "		
43-622	$\frac{3}{4}$ "	$19/32$ "		
43-623	$13/16$ "	$19/32$ "		
43-624	$\frac{7}{8}$ "	$19/32$ "		
43-625	$15/16$ "	$19/32$ "		
43-626	1"	$19/32$ "		
43-627	$1\frac{1}{16}$ "	$19/32$ "		
43-628	$1\frac{1}{8}$ "	$19/32$ "		
43-629	$1\frac{3}{16}$ "	$19/32$ "		
43-630	$1\frac{1}{4}$ "	$19/32$ "		
43-631	$1\frac{3}{8}$ "	$19/32$ "		

All with $\frac{1}{4}$ "-28 Threaded Hole

STRAIGHT CARBIDE-TIPPED, SCREW TYPE

43-701	$\frac{1}{2}$ "	$19/32$ "	$\frac{1}{4}$ "-28 Threaded Hole
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CORNER ROUND, SCREW TYPE

Number	A	B	C	D
43-635	$\frac{1}{4}$ " R	$\frac{5}{8}$ "	All with	
43-636	$\frac{3}{8}$ " R	$\frac{5}{8}$ "	Threaded	
43-637	$\frac{1}{2}$ " R	$1\frac{1}{16}$ "	$\frac{1}{4}$ "-28 Hole	

COVE, SCREW TYPE

43-656	$\frac{1}{4}$ " R	$19/32$ "	$\frac{1}{4}$ "-28 Threaded Hole
43-657	$\frac{3}{8}$ " R	$19/32$ "	

DOVETAIL, ONE PIECE

43-639	$\frac{1}{4}$ "	$\frac{7}{16}$ "	$\frac{1}{4}$ "	$1\frac{1}{4}$ "
43-640	$\frac{1}{2}$ "	$\frac{1}{2}$ "	$\frac{1}{4}$ "	$1\frac{1}{4}$ "

DOVETAIL, CARBIDE-TIPPED, ONE PIECE

43-705	$\frac{1}{2}$ "	$\frac{7}{16}$ "	$\frac{1}{4}$ "	$1\frac{3}{8}$ "
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V-GROOVE, ONE PIECE

43-641	$\frac{5}{8}$ "	$\frac{5}{8}$ "	$\frac{1}{4}$ "	1"
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V-GROOVE, CARBIDE-TIPPED, ONE PIECE

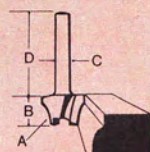
43-725	$\frac{1}{2}$ "	$\frac{5}{8}$ "	$\frac{1}{4}$ "	1"
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PANEL PILOT, ONE PIECE

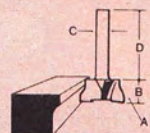
Number	A	B	C	D	Cutting Edge
43-642	$\frac{1}{4}$ "	$1\frac{3}{8}$ "	$\frac{1}{4}$ "	$1\frac{1}{4}$ "	$\frac{3}{4}$ "
43-643	$\frac{3}{8}$ "	$1\frac{1}{16}$ "	$\frac{1}{2}$ "	$1\frac{1}{16}$ "	$\frac{7}{8}$ "

PANEL PILOT, CARBIDE-TIPPED, ONE PIECE

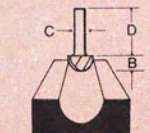
Number	A	B	C	D	Cutting Edge
43-708	$\frac{1}{4}$ "	$1\frac{1}{8}$ "	$\frac{1}{4}$ "	$1\frac{1}{2}$ "	$1\frac{3}{16}$ "
43-709	$\frac{3}{8}$ "	$1\frac{1}{16}$ "	$\frac{3}{8}$ "	$1\frac{3}{16}$ "	$1\frac{3}{16}$ "
43-710	$\frac{3}{8}$ "	$1\frac{1}{16}$ "	$\frac{1}{2}$ "	$1\frac{3}{16}$ "	$\frac{7}{8}$ "



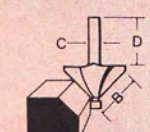
SASH BEAD



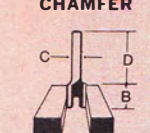
SASH COVE



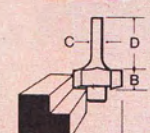
CORE BOX



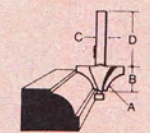
45° BEVEL CHAMFER



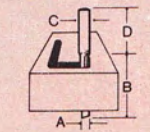
MORTISE



RABBETING



BEAD



STAGGER TOOTH



WEATHER STRIP AND SLOTTING CUTTERS



FLUSH TRIMMING BITS



25° BEVEL TRIMMER KIT

SASH BEAD, ONE PIECE

Number	A	B	C	D
43-644	$\frac{3}{16}$ " R	$\frac{7}{16}$ "	$\frac{1}{4}$ "	$1\frac{1}{4}$ "

SASH COVE, ONE PIECE

43-645	$\frac{3}{16}$ " R	$\frac{7}{16}$ "	$\frac{1}{4}$ "	$1\frac{1}{4}$ "
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CORE BOX, ONE PIECE

43-647	$\frac{1}{4}$ "	$\frac{3}{16}$ "	$\frac{1}{4}$ "	$1\frac{1}{4}$ "
43-648	$\frac{3}{8}$ "	$\frac{1}{4}$ "	$\frac{1}{4}$ "	$1\frac{1}{4}$ "
43-649	$\frac{1}{2}$ "	$\frac{5}{16}$ "	$\frac{1}{4}$ "	$1\frac{1}{4}$ "
43-650	$\frac{5}{8}$ "	$\frac{3}{8}$ "	$\frac{1}{4}$ "	$1\frac{1}{8}$ "
43-651	$\frac{3}{4}$ "	$\frac{7}{16}$ "	$\frac{1}{4}$ "	$1\frac{1}{8}$ "

CORE BOX, SCREW TYPE

43-652	$\frac{3}{4}$ "	$1\frac{7}{32}$ "	All with	
43-653	$\frac{7}{8}$ "	$\frac{3}{8}$ "	$\frac{1}{4}$ "-28	
43-654	1"	$1\frac{1}{16}$ "	Threaded Hole	
43-655	$\frac{1}{4}$ "	$\frac{7}{8}$ "		

CORE BOX, SOLID CARBIDE, ONE PIECE

43-711	$\frac{1}{4}$ "	$\frac{1}{4}$ "	$\frac{1}{4}$ "	1"
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45° BEVEL CHAMFER, SCREW TYPE

43-658	$\frac{3}{4}$ "	$\frac{1}{4}$ "-28 Threaded Hole
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MORTISE, CARBIDE-TIPPED, SCREW TYPE

43-701	$\frac{1}{2}$ "	$\frac{1}{2}$ "	All with	
43-702	$\frac{5}{8}$ "	$\frac{1}{2}$ "	$\frac{1}{4}$ "-28	
43-703	$\frac{3}{4}$ "	$\frac{1}{2}$ "	Threaded Hole	
43-704	1"	$\frac{1}{2}$ "		

RABBETING, SCREW TYPE

43-638	$1\frac{5}{32}$ "	$\frac{1}{2}$ "	$\frac{1}{4}$ "-28 Threaded Hole
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RABBETING, CARBIDE-TIPPED, ONE PIECE

43-706	$1\frac{5}{32}$ "	$\frac{3}{8}$ "	$\frac{1}{4}$ "	$1\frac{1}{16}$ "
43-707*	$1\frac{5}{32}$ "	$\frac{3}{8}$ "	$\frac{1}{4}$ "	$1\frac{1}{16}$ "

*10° Bevel

BEAD, SCREW TYPE

43-632	$\frac{1}{8}$ " R	$19/32$ "	All with	
43-633	$\frac{1}{4}$ " R	$19/32$ "	$\frac{1}{4}$ "-28	
43-634	$\frac{3}{8}$ " R	$19/32$ "	Threaded Hole	

BEAD, CARBIDE-TIPPED, ONE PIECE

43-712	$\frac{1}{4}$ " R	$19/32$ "	$\frac{1}{4}$ "	$1\frac{1}{4}$ "
43-713	$\frac{3}{8}$ " R	$\frac{5}{8}$ "	$\frac{1}{4}$ "	$1\frac{1}{4}$ "
43-714	$\frac{1}{2}$ " R	$1\frac{1}{16}$ "	$\frac{1}{4}$ "	$1\frac{1}{4}$ "

STAGGER TOOTH, CARB-TIPPED, ONE PIECE

43-723	$\frac{3}{8}$ "	$1\frac{1}{4}$ "	$\frac{1}{2}$ "	$1\frac{3}{4}$ "
43-724	$\frac{1}{2}$ "	$2\frac{1}{8}$ "	$\frac{1}{2}$ "	2"

SHAPER CUTTERS

WEATHER STRIP CUTTER ($\frac{5}{16}$ " Hole)

Number	A	B
43-659	$1\frac{1}{8}$ "	$\frac{5}{64}$ "
43-660	$1\frac{1}{8}$ "	$\frac{3}{32}$ "
43-661	$1\frac{1}{8}$ "	$\frac{1}{16}$ "
43-662	$1\frac{1}{8}$ "	$\frac{9}{64}$ "
43-663	$1\frac{1}{8}$ "	$\frac{5}{32}$ "
43-664	$1\frac{1}{8}$ "	$\frac{3}{16}$ "
43-665	$1\frac{1}{8}$ "	$\frac{7}{32}$ "
43-666	$1\frac{1}{8}$ "	$\frac{1}{4}$ "
43-667	$1\frac{1}{8}$ "	$\frac{1}{2}$ "
43-668	$1\frac{1}{8}$ "	$\frac{9}{32}$ "

SLOTTING CUTTER, CARBIDE-TIPPED

Number	A	B
43-726	$1\frac{7}{8}$ "	$\frac{1}{4}$ "

NEW ROCKWELL DELTA OVERARM ROUTER/SHAPER

ROCKWELL DELTA OVERARM ROUTER SHAPER

DOES ALL THESE OPERATIONS *and More!*

Accessory guards removed to aid in photo clarity.



Placing a decorative bead on a door panel.



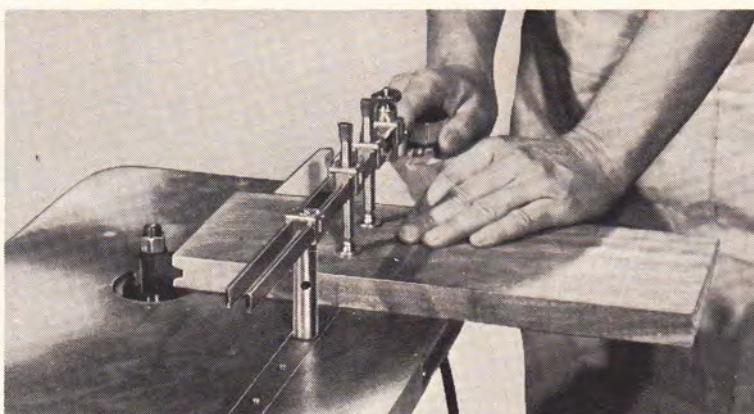
Rabbeting with aid of shaper fence.



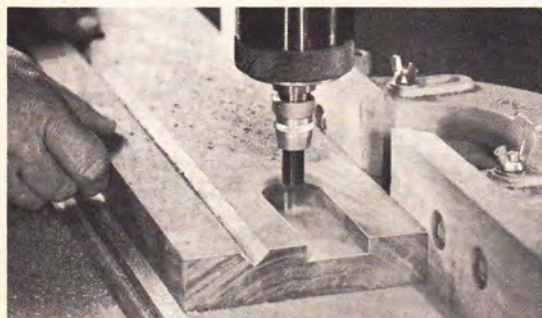
Free-hand shaping irregular stock using a starting pin.



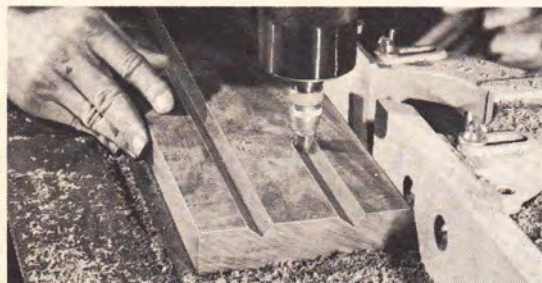
Routing using a guide pin and template.



Cutting groove for tongue and groove joint.



Performing a wide, deep plowing operation.



Cutting a V-groove by using the shaper fence as a guide.



Shown are typical operations that may be performed on wood, plastic and aluminum on the Rockwell Delta Overarm Router/Shaper.

ROCKWELL DELTA **12" Heavy Duty WOOD LATHE** *Variable Speed With Gap Bed*



This rugged, heavy duty wood lathe will provide the day-in, day-out top-flight performance you expect on every job. Here's why:

■ It offers **Extra Big Capacity!** ■ It contains **A Powerful Variable Speed Drive!** ■ It incorporates **A Safety Engineered Design Throughout!** ■ It provides **Unequalled Versatility!**

These are just a few of many reasons why the Rockwell Delta 12" Heavy Duty Wood Lathe is a favorite in industry, commercial and school shops everywhere. Let us prove its value to you today!

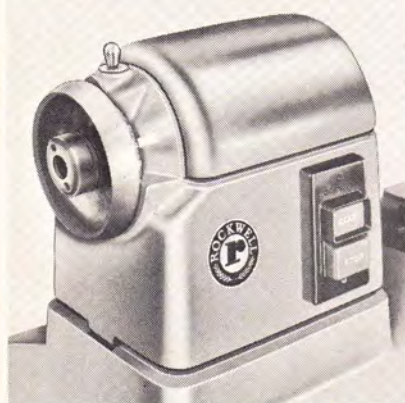
ROCKWELL DELTA INDUSTRIAL WOODWORKING MACHINES

ROCKWELL DELTA 12" HEAVY DUTY WOOD LATHE

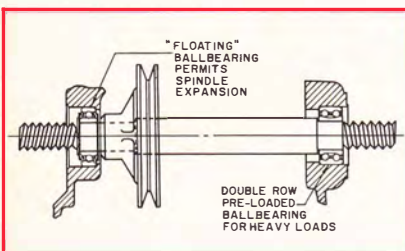
**DELTA QUALITY FEATURES
THAT MAKE THE 12"
HEAVY DUTY WOOD LATHE
UNMATCHED
IN ITS CLASS!**



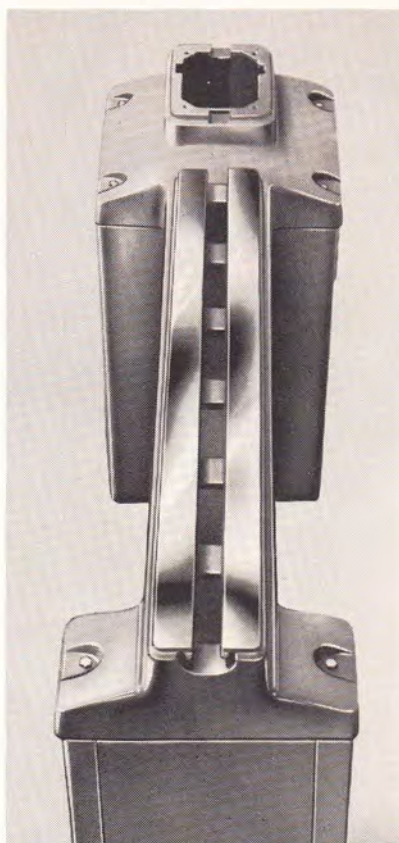
Designed For Big Capacity Jobs—You can turn stock up to 12" in diameter over the bed . . . up to 16½" diameter by 3½" thick over the bed gap . . . extra large work on the outboard spindle.



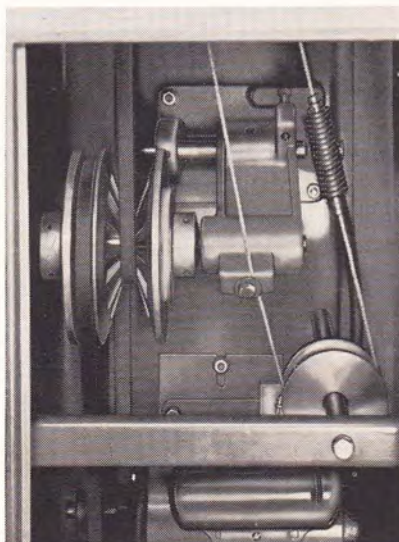
Rugged Head Stock Construction—It's engineered to give extra rigidity for heavy, rough turning. Cover completely encloses belt and pulleys for added safety and is easy to remove for changing belt.



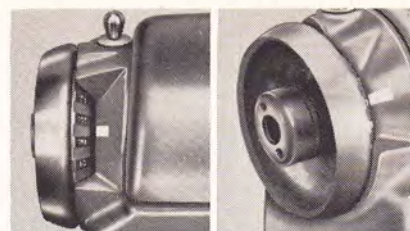
Maximum Thrust Head Stock Spindle—A double row, preloaded, sealed-for-life ball bearing at the work end permits maximum thrust for heavy turning and metal spinning. "Floating" ball bearing construction on the outboard end allows for expansion as spindle warms up.



Massive Bed—It is scientifically ribbed and ruggedly constructed to minimize vibration. Bed and head stock mounting are precision ground simultaneously for absolute alignment, guaranteeing top quality lathe performance.



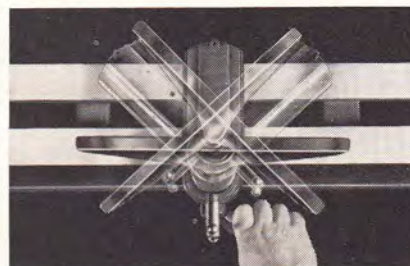
Modern, Efficient Variable Speed Drive—Gives you all the advantages of a variable speed drive, with an infinite choice of speeds from 340 to 3200 RPM. Its simple construction, with few operating parts, makes it function very smoothly. During speed changes, the variable speed pulley moves up or down at the correct angle to maintain perfect belt alignment at all speeds. This assures higher power transmission efficiency.



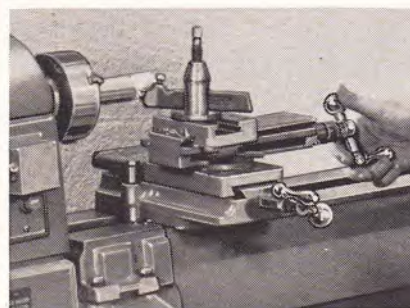
Scientifically Designed Hand Wheel—Large and easy to grip, the indexing and tailstock hand wheels are engineered to conform to the contours of the hand. Indexing of spindle to any of 48 index stops can be done quickly. Extra smooth finish assures maximum operator safety.



Quick Operating Speed Control—Convenient placement of variable speed control lever permits quick selection of any speed from 340 to 3200 RPM. When "pushed in," lever locks at desired speed, even under heavy loads.



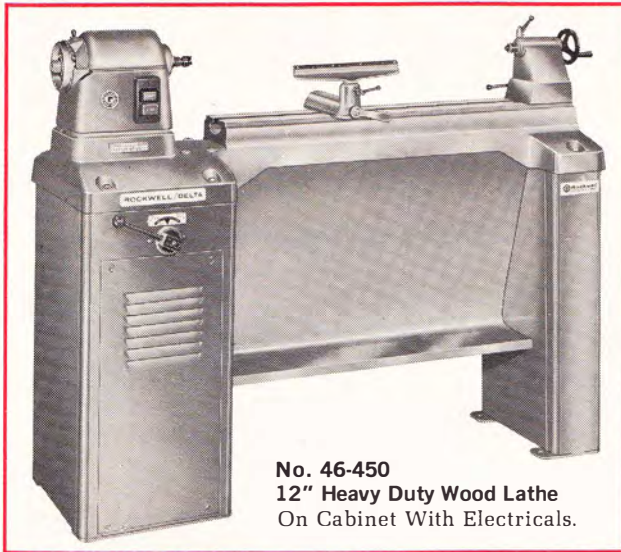
Universal Tool Support—It is exceptionally handy and fast in action. Heavy and substantial, it locks to the bed at any desired position by means of the convenient lever at the front where it does not interfere with the work.



Gap Filler Block Increases Lathe Versatility—Filler block extends the bed ways into the gap to provide rigid tool support for light metal turning, metal spinning, face plate turning and any work that must be done right at the headstock. Filler block also can be mounted on a bench beyond the tailstock for extra long turnings.

ROCKWELL DELTA INDUSTRIAL WOODWORKING MACHINES

ROCKWELL DELTA 12" HEAVY DUTY WOOD LATHE



No. 46-450
12" Heavy Duty Wood Lathe
On Cabinet With Electricals.

A Variable-Speed, Gap-Bed Lathe for Wood Turning, Metal Spinning and Light Metal Turning

This massive lathe is designed for industry, commercial shops and schools—wherever there is a demand for continued accuracy and long life through years of safe, heavy duty operation.

Extra BIG Capacity—You can turn stock up to 12" in diameter over the bed . . . up to 16½" diameter by 3½" thick over the large bed gap . . . extra large work on the out-board spindle. And with Delta's Gap Filler Block, which actually extends the bed ways into the gap, you get the rigid tool support you need for metal spinning, thin face plate turnings, any work that must be done right at the headstock.

Powerful Variable Speed Drive—The perfected Delta variable speed drive offers an extremely low speed of 340 rpm for turning of metals or rough woods plus an infinite choice of speeds up to 3200 rpm, a safe speed for sanding and polishing. This drive, which also includes speeds of 900 to 1400 rpm for metal spinning, guarantees smooth, even transmission of power to the spindle under all work loads.

MOTORS AND CONTROLS (Factory Mounted and Wired)

MOTOR	MOTOR CONTROL	MOTOR ENCLOSURE	HERTZ AND MOTOR RPM	MOTOR VOLTAGE	SHIPPING WT., LBS.	CATALOG NUMBER*	CAT. NO.* 200V	CATALOG NUMBER**	CAT. NO.** 200V
Single Phase, ¾ Horsepower	Push Button Switch Only	TEFC	60-1725	115/230	30	49-693		52-316	
	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-1725	115/230	37	49-827		52-317	
Single Phase, 1 Horsepower	Push Button Switch Only	TEFC	60-1725	115/230	47	49-828		52-318	
	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-1725	115/230	54	49-829		52-319	
Three Phase, ¾ Horsepower	Push Button Switch Only	TEFC	60-1725	230/460	32	49-830	52-154		
	Push Button Switch and Magnetic Starter	TEFC	60-1725	230/460	38	49-832	52-156		
Three Phase, 1 Horsepower	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-1725	230/460	42	†49-833	52-157	52-320	52-357
	Push Button Switch and Magnetic Starter	TEFC	60-1725	230/460	40	49-836	52-160		
Three Phase, 1 Horsepower	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-1725	230/460	44	†49-837	52-161	52-321	52-358
	Push Button Switch and Magnetic Starter	TEFC	60-1725	230/460	44	49-837	52-161	52-321	52-358

NOTE: Single phase electricals will be supplied wired for 115 V, unless 230 V is specified. Three phase electricals will be supplied wired for 230 V, unless 460 V is specified. Power Cord and Plug supplied for single phase only. Motors and Motor Controls for Rockwell Delta 12" Heavy Duty

Engineered for Safety—Completely covered drive mechanism fully protects operator from moving parts. Convenient hand wheels and quick operating speed control reduce operator fatigue. Push button switch plus the optional Slow-Start feature provide user with added safety.

Unequalled Versatility—In addition to basic operations such as turning woods, metals and plastics and metal spinning, this lathe will do dozens of important workshop jobs. With Delta's unmatched line of more than 50 engineered accessories you can do sanding, grinding, buffing, polishing, drilling, reeding, fluting and many other operations.

MACHINE DATA

Capacities:

Swing Over Bed 12"
Swing Over Bed Gap . . . 16½" Diameter for 3½" Stock
Distance Between Centers 38"

Speeds:

With 1725 RPM Motor . . . Variable from 340 to 3200 RPM
With 1140 RPM Motor . . . Variable from 230 to 2135 RPM

Spindle:

Nose—Inboard 1"—8 RH Thread
Nose—Outboard 1"—8 LH Thread
Hole (Completely Through Spindle) ⅝"

Headstock and Tailstock Tapers No. 2 M.T.

Ram Travel 2¼"

Height—Centerline of Spindle to Floor 42¾"

Overall Dimensions:

Height 46½"; Width 22"; Length 63"

Approximate Shipping Weight 490 lbs.

STANDARD EQUIPMENT

Basic Wood Lathe includes deluxe cabinet, 12" tool support, 6" tool support, tool support base, off-set tool support base, drive center, cup center, 3" face plate, 6" face plate, motor pulley and two V-belts.

CATALOG LISTING

No. 46-450 Basic Machine With Deluxe Cabinet. Includes 46-692 (old 692) 12" Tool Support, 46-805 6" Tool Support, 46-171 (old 1461) Tool Support Base, 46-430 Off-set Tool Support Base, 46-933 (old 933) Drive Center, 46-439 (old 934) Cup Center, 46-936 (old 936) 3" Face Plate, 46-937 (old 937) 6" Face Plate, 49-146 V-belt (65⅛" OC), 49-195 V-belt (37⅞" OC) and 3" OD Motor Pulley (⅝" bore). Without motor and switch. 504 lbs.

No. 41-042 Motor Pulley, 3" diameter, ½" bore. 1 lb.

No. 41-043 Motor Pulley, 3" diameter, ⅝" bore. 1 lb.

No. 41-044 Motor Pulley, 3" diameter, ¾" bore. 1 lb.

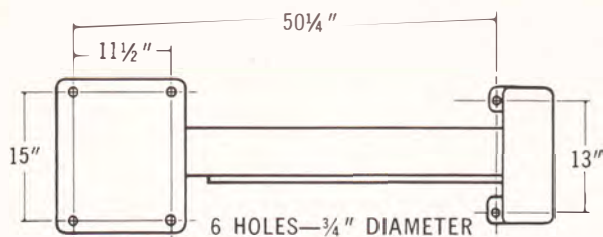
Continued on next page

Wood Lathes may be ordered unmounted. For listing, see Sections P and Q.
†No. 49-000 "JIC" Type Control Kit. Specify this Catalog Number, in addition to Three Phase Cat. No. 49-833 or 49-837, in order to obtain 12" Heavy Duty Wood Lathe with "JIC" type electricals, factory mounted and wired.

*Catalog Number includes motor and control without Slow-Start Feature.

**Catalog Number includes motor, control and Slow-Start Feature (See next page for description).

ROCKWELL DELTA 12" HEAVY DUTY WOOD LATHE

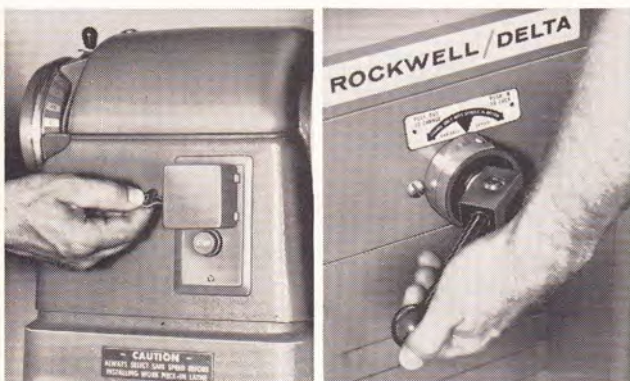


Location of Floor Mounting Holes

MAKE LATHE OPERATIONS SAFER WITH DELTA'S SLOW-START FEATURE

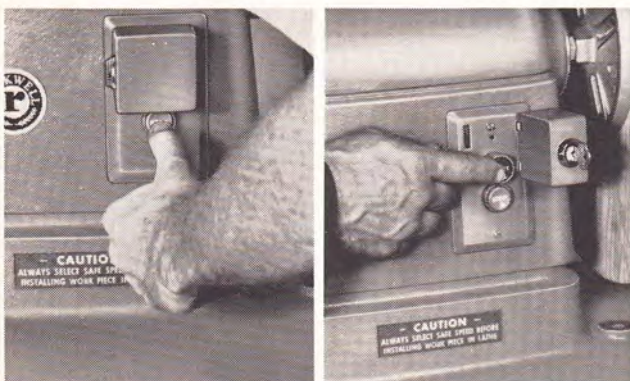
Now! you can order your Rockwell Delta 12" Heavy Duty Wood Lathe with a motor and slow-start manual or magnetic control system mounted and wired, ready to run. See preceding page for motor and control options available.

Here is How the Slow-Start Feature Operates...



(Left) This accessory provides maximum safety for novice lathe operators in schools, training institutions, etc. With it the lathe can be started *only* at the slowest speed. Above, the shop instructor locks hood after pressing switch button to "on" position, ready for student's use.

(Right) Now, student starts lathe by merely pulling variable speed control lever to right. When desired speed is obtained, he pushes lever in, locking it in position. Then, he proceeds to operate the lathe.



(Left) Should a danger signal suddenly appear, the operator's first reaction would be to stop the lathe. This he does by pressing the "stop" button. Now, the lathe cannot be started again by actuating the variable speed control lever since the current is off. The locked hood also makes the "start" button inaccessible.

(Right) Next, the difficulty is determined, either by the student or the instructor, and corrected. Then, the instructor must unlock the hood, press the "start" button and lock the hood again before the student can proceed.

NOTE: See Section N4 for complete range of wood lathe accessories.

ROCKWELL DELTA WOOD TURNING DUPLICATOR

For Safe, Accurate Duplication of Complex Wood Turnings



- Used on Delta and Other Wood Lathes
- Takes Only a Few Minutes to Install

Now! You can teach your students how to reproduce one or any number of intricate wood turnings *exactly* on your 11" or 12" wood lathes. With the Rockwell Delta Wood Turning Duplicator, you get all these benefits:

Maximum Accuracy With Exact Duplication . . . you can reproduce complicated turnings *perfectly*—patterns, balusters, lamps, table and chair legs—up to 4" in diameter.

Complete Safety . . . firmly held on the lathe, the Duplicator has minimum tool overhang for *safe, smooth* operation.

Increases Student Participation . . . with the Rockwell Delta Wood Turning Duplicator, there's *less* time spent per student on the lathe, more opportunity to learn.

Minimum Stock Spoilage . . . the Duplicator *eliminates* costly mistakes, thus, there are no *more* discarded turnings.

SPECIFICATIONS

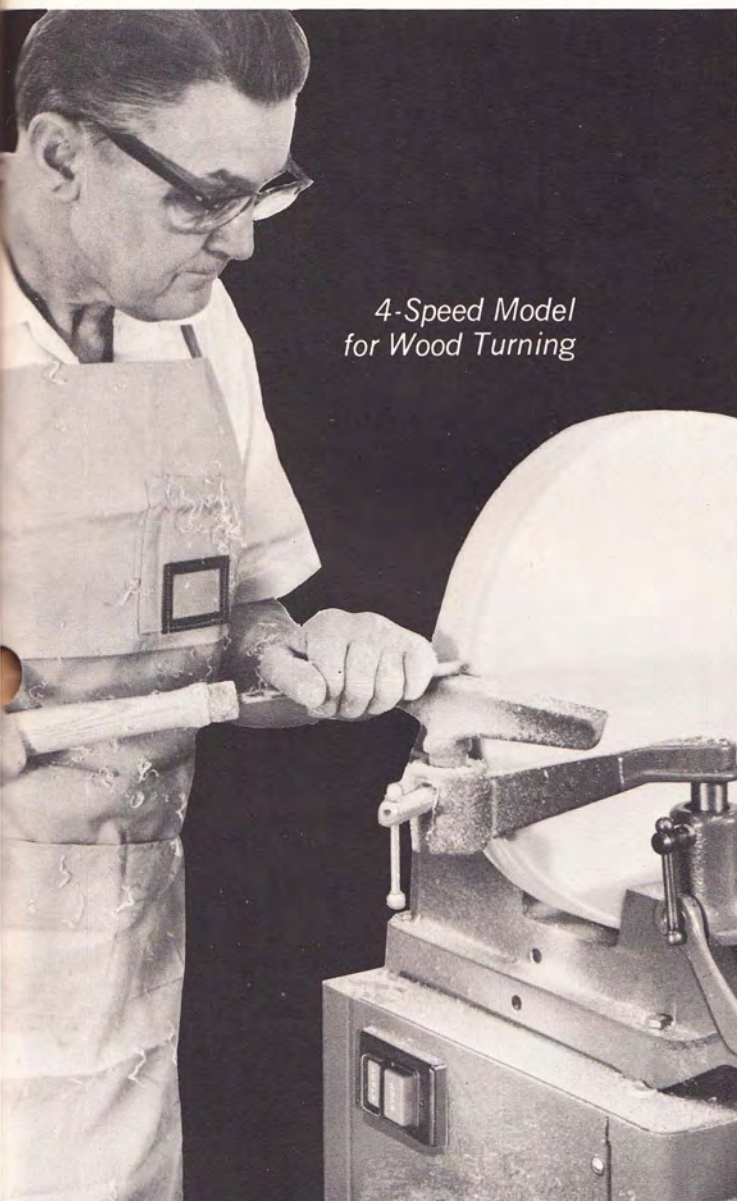
Maximum Diameter	4"
Maximum Length	28 1/2"
Cutting Tool Bit (Standard)	
Ground to Shape	1/4" x 1/4"
Shipping Weight	24 lbs.

No. 46-840 Wood Turning Duplicator complete.

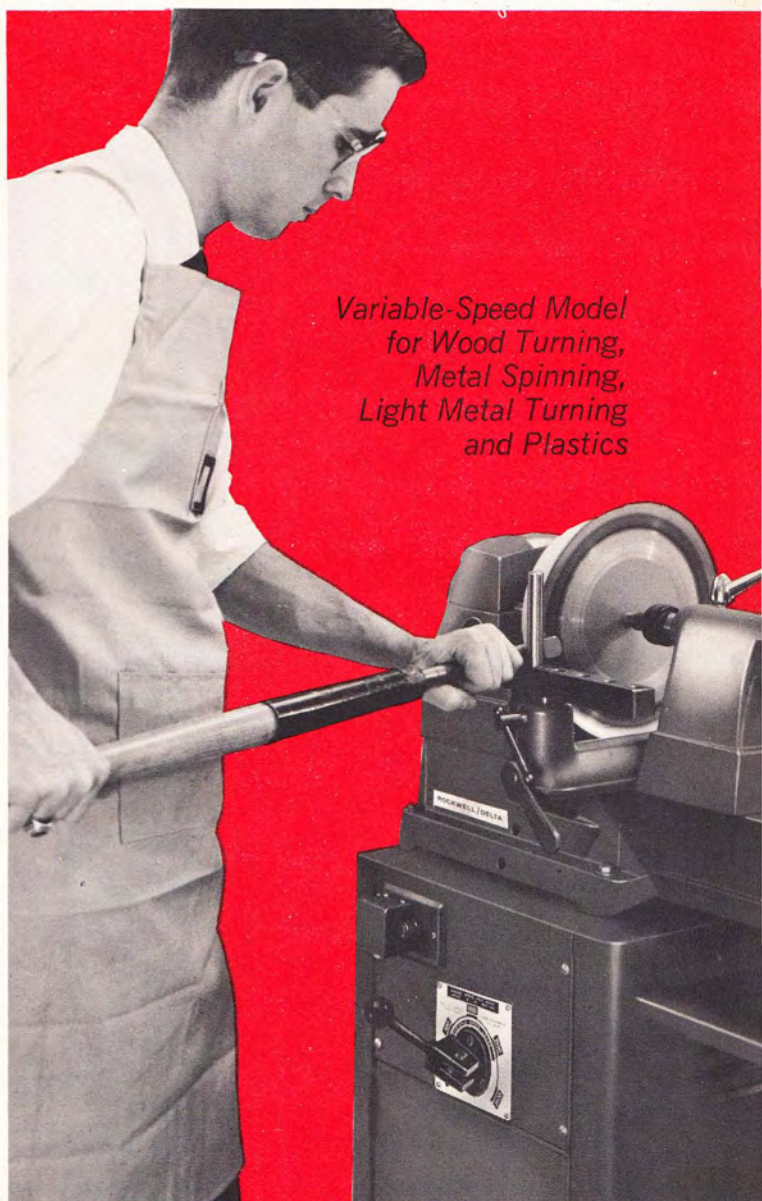
ROCKWELL DELTA

12" Standard Duty WOOD LATHE

Select From Two Gap Bed Models — 4 Speed or Variable Speed



*4-Speed Model
for Wood Turning*



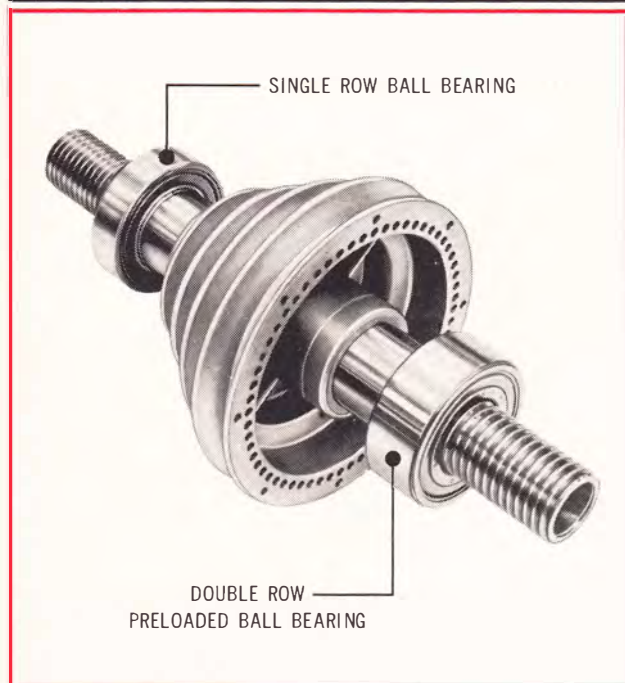
*Variable-Speed Model
for Wood Turning,
Metal Spinning,
Light Metal Turning
and Plastics*

No matter which model you select, you get **top quality performance** with **big capacity** . . . 12" over bed . . . 16" over gap . . . extra large using outboard spindle . . . plus 39" between centers ■ **Famous Delta Quality Construction:** Smooth operating variable speed drive . . . large, double row, preloaded headstock bearing . . . convenient controls . . . massive bed . . . universal tool support . . . and many more.

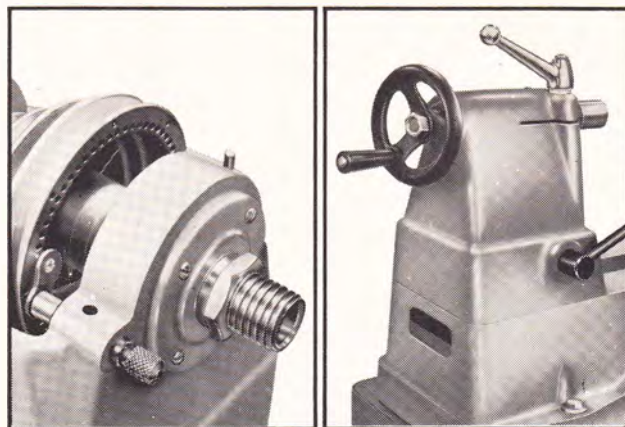
ROCKWELL DELTA INDUSTRIAL WOODWORKING MACHINES

ROCKWELL DELTA 12" STANDARD DUTY WOOD LATHE

**DELTA QUALITY FEATURES
THAT ADD UP TO MORE
VALUE FOR EVERY USER!**

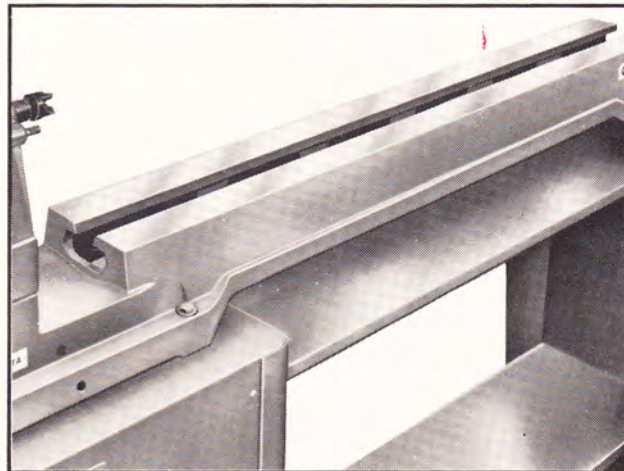


Rugged Headstock Construction—Spindle drive is placed between inboard and outboard bearings, reducing spindle whip to a minimum. A double row, preloaded, sealed-for-life ball bearing at the inboard end permits maximum thrust for heavy turning and metal spinning... "floating" ball bearing construction on outboard end allows for expansion as spindle warms up.

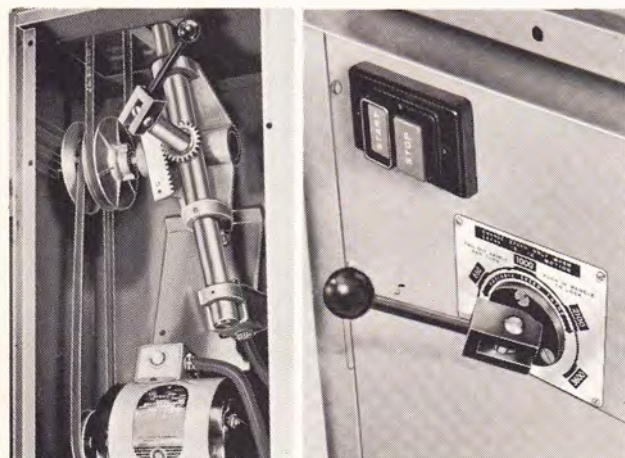


(Left) Famous Indexing Mechanism—Two rows of holes in headstock pulley—8 and 60—can be engaged quickly by the unique indexing pin. Now, you can obtain the maximum number of index divisions for reeding and fluting.

(Right) Modern Tailstock Controls—Fast operating cam clamp quickly locks massive tailstock to bed. Positive, 360° wrap-around clamp firmly holds ram in position selected. Non-jamming No. 2 M.T. ram automatically ejects centers when retracted. Ram travels a full 2 1/4" and is graduated in 1/16ths.

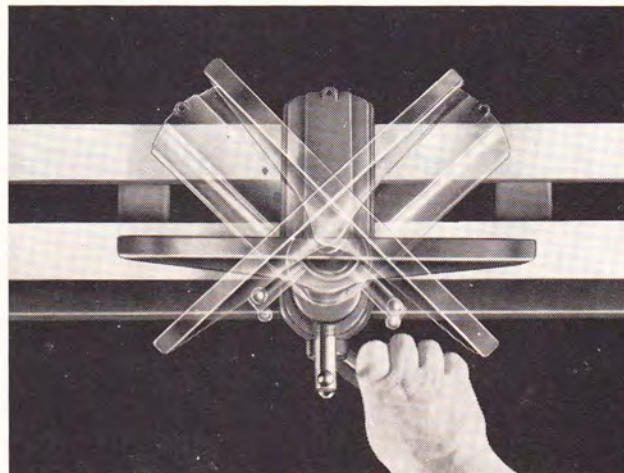


Massive Bed—Made of fine grained cast iron, bed is scientifically ribbed and ruggedly constructed to minimize vibration. Bed and headstock are precision ground for perfect alignment, assuring high quality lathe performance.



(Left) Smooth Operating Variable Speed Drive—Simply constructed, dual belt drive has few operating parts. Ball bearing Jack shaft, that raises and lowers quickly by means of a rack and pinion, always keeps belts in perfect alignment. This assures higher power transmission efficiency—1/2 HP motor does work of 3/4 HP motor required with "old-fashioned," spring-loaded drives.

(Right) Convenient Controls—Variable speed control lever is conveniently placed for quick selection of any speed from 340 to 3600 RPM. When "pushed in," lever locks at desired speed. Adjacent push button switch has a shrouded start button to prevent accidental starts and a protruding stop button for fast emergency stops.



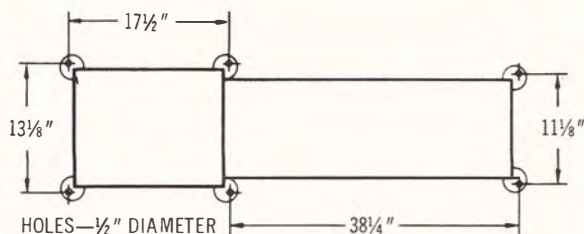
Universal Tool Support—Exceptionally handy and fast in action. Heavy and substantial, it locks to the bed at any desired position by means of the convenient lever at the front where it does not interfere with the work.

ROCKWELL DELTA INDUSTRIAL WOODWORKING MACHINES

ROCKWELL DELTA 12" STANDARD DUTY WOOD LATHE



No. 46-525
12" Variable Speed Wood Lathe
On Cabinet With Electricals.



Location of Floor Mounting Holes



No. 46-200
12" 4-Speed Wood Lathe
Shown With Accessory 50-150 Cabinet
and Electricals.

A Quality Built, Big Capacity Lathe at an Exceptionally Low Price!

Its many fine features is only one of the reasons why the Rockwell Delta 12" Standard Duty Wood Lathe meets the needs of industry, commercial shops and schools so well.

To appreciate its *true value*, investigate its **BIG CAPACITY**... rugged construction... safety of design... and its great versatility (more than 50 Rockwell Delta lathe accessories are available). Then, you will agree that it is the **BIGGEST VALUE** in its class.

Whatever your needs—Variable Speed or 4-Speed—let us "performance-prove" this fine Rockwell Delta Quality Lathe for you today.

MACHINE DATA

Capacities:

Swing Over Bed	12"
Swing Over Bed Gap	16" Diameter for 2 1/2" Stock
Distance Between Centers	39"

Speeds:

Variable Speed Model	340 to 3600 RPM
Four Speed Model	915, 1380, 2150, 3260 RPM

Spindle:

Nose-Inboard	1"—8 RH Thread
Nose-Outboard	1"—8 LH Thread
Hole (Completely Through Spindle)	5/8"

Headstock and Tailstock Tapers No. 2 M.T.

Ram Travel 2 1/4"

Height—Centerline of Spindle to Floor 41 3/4"

Overall Dimensions:

Height.....45 1/4"; Width.....16 1/2"; Length.....60"

Approximate Shipping Weight (Floor Models) 345 Lbs.

STANDARD EQUIPMENT

Basic Wood Lathes include a spur center, cup center, tool support base, 12" tool support, 6" tool support, 3" face plate, motor pulley and V-belt. Variable-Speed Model also includes a cabinet and two V-belts.

CATALOG LISTING

4-SPEED MODEL

No. 46-200 Basic Machine Without Cabinet. Includes 46-933 (old 933) Driver Center, 46-439 (old 934) Cup Center, 46-171 (old 1461) Tool Support Base, 46-692 (old 692) 12" Tool Support, 46-805 6" Tool Support, 46-936 (old 936) 3" Face Plate, 4-step motor pulley (5/8" bore) and 49-094 V-belt (81" O.C.). Without motor and switch. 152 lbs.

NOTE: The above lathe cannot be used with the Variable Speed Cabinet.

No. 50-150 Cabinet, steel, sturdily constructed, totally encloses motor and drive, has hinged motor plate for easy speed changes, and two shelves. 110 lbs.

No. 41-732 Motor Pulley, 4-step, 1/2" bore. 2 lbs.

No. 41-733 Motor Pulley, 4-step, 5/8" bore. 2 lbs.

No. 41-734 Motor Pulley, 4-step, 3/4" bore. 2 lbs.

No. 46-201 Basic Machine With Cabinet. Includes 46-200 Lathe with 50-150 Cabinet. Without motor and switch. 245 lbs.

VARIABLE-SPEED MODEL

No. 46-525 Basic Machine With Cabinet. Includes 46-933 (old 933) Drive Center, 46-439 (old 934) Cup Center, 46-171 (old 1461) Tool Support Base, 46-692 (old 692) 12" Tool Support, 46-805 6" Tool Support, 46-936 (old 936) 3" Face Plate, 2 3/4" O.D. motor pulley (5/8" bore), 49-354 Upper V-belt (47 5/8" O.C.) and 51-008 Lower V-belt (47 1/8" O.C.). Without motor and switch. 350 lbs.

NOTE: Variable-speed model cannot be furnished without cabinet.

No. 41-032 Motor Pulley, 2 3/4" diameter, 1/2" bore. 1/2 lb.

No. 41-033 Motor Pulley, 2 3/4" diameter, 5/8" bore. 1/2 lb.

No. 41-034 Motor Pulley, 2 3/4" diameter, 3/4" bore. 1/2 lb.

ALSO MADE IN CANADA

ROCKWELL DELTA INDUSTRIAL WOODWORKING MACHINES

ROCKWELL DELTA 12" STANDARD DUTY WOOD LATHE

CATALOG LISTING—Continued

MOTORS AND CONTROLS (Factory Mounted and Wired)

MOTOR	MOTOR CONTROL	MOTOR ENCLOSURE	HERTZ AND MOTOR RPM	MOTOR VOLTAGE	SHIPPING WT., LBS.	CATALOG NUMBER*	CAT. NO.* 200V	CATALOG NUMBER**	CAT. NO.** 200V
Single Phase, ½ Horsepower	Push Button Switch Only	TEFC	60—1725	115/230	25	49-853		52-322	
	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60—1725	115/230	32	49-854		52-323	
Single Phase, ¾ Horsepower	Push Button Switch Only	TEFC	60—1725	115/230	30	49-855		52-316	
	24V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60—1725	115/230	37	49-856		52-317	
Three Phase, ½ Horsepower	Push Button Switch Only	TEFC	60—1725	230/460	29	49-857	52-162		
	Push Button Switch and Magnetic Starter	TEFC	60—1725	230/460	35	49-859	52-164		
	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60—1725	230/460	39	49-860	52-165	52-326	52-359
Three Phase, ¾ Horsepower	Push Button Switch Only	TEFC	60—1725	230/460	32	49-861	52-166		
	Push Button Switch and Magnetic Starter	TEFC	60—1725	230/460	38	49-863	52-168		
	24V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60—1725	230/460	42	49-864	52-169	52-320	52-357

NOTE: Single phase electricals will be supplied wired for 115 V, unless 230 V is specified. Three phase electricals will be supplied wired for 230 V, unless 460 V is specified. Power Cord and Plug supplied for single phase only. Motors and Motor Controls for Rockwell Delta 12" Standard Duty Wood Lathes may be ordered unmounted. For listing, see Sections

*Catalog Number includes motor and control without Slow-Start Feature.

**Catalog Number includes motor, control and Slow-Start Feature.

MAKE LATHE OPERATIONS SAFER WITH DELTA'S SLOW-START FEATURE!

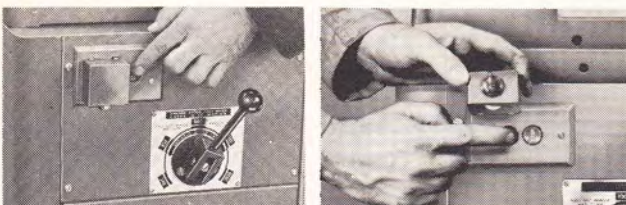
Now! You can order your Rockwell Delta 12" Standard Duty Wood Lathe with a motor and slow-start manual or magnetic control system, mounted and wired, ready to run. See above for motor and control options available.

Here is How the Slow-Start Feature Operates...



(Left) This accessory provides maximum safety for novice lathe operators in schools, training institutions, etc. With it the lathe can be started *only* at the slowest speed. Above, the shop instructor locks hood after pressing switch button to "on" position, ready for student's use.

(Right) Now, student starts lathe by merely pulling variable speed control lever to right. When desired speed is obtained, he pushes lever in, locking it in position. Then, he proceeds to operate the lathe.



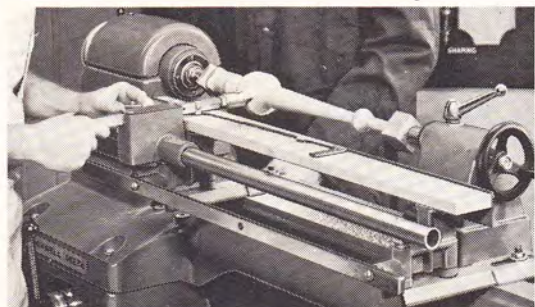
(Left) Should a danger signal suddenly appear, the operator's first reaction would be to stop the lathe. This he does by pressing the "stop" button. Now, the lathe cannot be started again by actuating the variable speed control lever since the current is off. The locked hood also makes the "start" button inaccessible.

(Right) Next, the difficulty is determined, either by the student or the instructor, and corrected. Then, the instructor must unlock the hood, press the "start" button and lock the hood again before the student can proceed.

NOTE: See Section N4 for complete range of wood lathe accessories.

ROCKWELL DELTA WOOD TURNING DUPLICATOR

For Safe, Accurate Duplication of Complex Wood Turnings



- Used on Delta and Other Wood Lathes
- Takes Only a Few Minutes to Install

Now! You can teach your students how to reproduce one or any number of intricate wood turnings *exactly* on your 11" or 12" wood lathes. With the Rockwell Delta Wood Turning Duplicator, you get all these benefits:

Maximum Accuracy With Exact Duplication . . . you can reproduce complicated turnings *perfectly*—patterns, balusters, lamps, table and chair legs—up to 4" in diameter.

Complete Safety . . . firmly held on the lathe, the Duplicator has minimum tool overhang for *safe*, smooth operation.

Increases Student Participation . . . with the Rockwell Delta Wood Turning Duplicator, there's less time spent per student on the lathe, more opportunity to learn.

Minimum Stock Spoilage . . . the Duplicator *eliminates* costly mistakes, thus, there are *no more* discarded turnings.

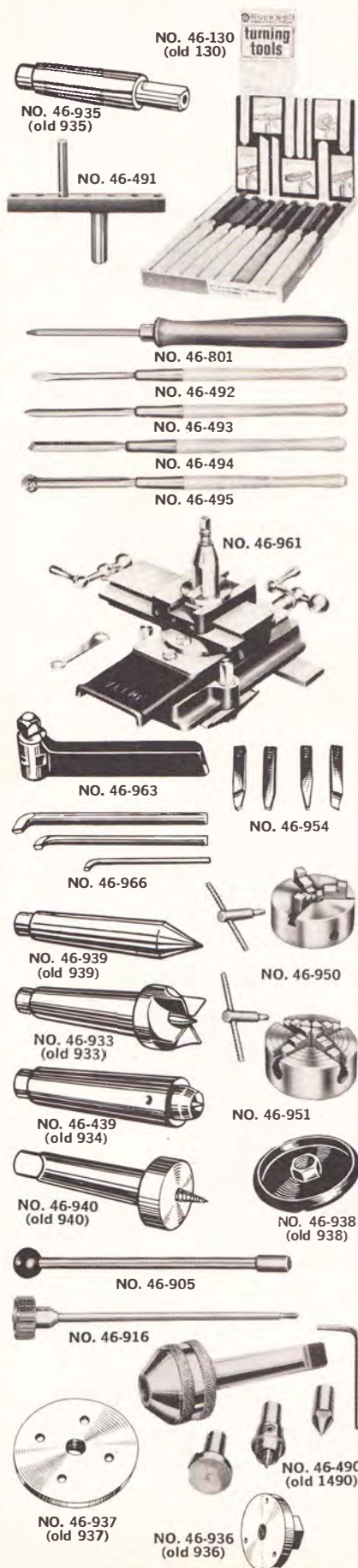
SPECIFICATIONS

Maximum Diameter 4"
Maximum Length 28½"
Cutting Tool Bit (Standard)
Ground to Shape ¼" x ¼"
Shipping Weight 24 lbs.

No. 46-840 Wood Turning Duplicator complete.

ROCKWELL DELTA INDUSTRIAL WOODWORKING MACHINES

ROCKWELL DELTA WOOD LATHE ACCESSORIES



WOOD TURNING TOOLS

Complete set of eight basic tools. Made of a special, high-grade alloy steel with precision ground cutting edges. Handles are extra long and of choice hardwoods. Heavy gauge metal ferrules firmly join the 10 $\frac{1}{4}$ " long handles and steel tongs to give long tool life. Blades are 6" long—overall length, 17". 1 lb.

- NO. 46-121 (old 121) 1" Skew.
- NO. 46-124 (old 124) $\frac{1}{2}$ " Skew.
- NO. 46-122 (old 122) $\frac{3}{4}$ " Gouge.
- NO. 46-126 (old 126) $\frac{1}{2}$ " Gouge.
- NO. 46-123 (old 123) $\frac{1}{4}$ " Gouge.
- NO. 46-125 (old 125) $\frac{1}{8}$ " Parting Tool.
- NO. 46-127 (old 127) $\frac{1}{2}$ " Spear Point.
- NO. 46-128 (old 128) $\frac{1}{2}$ " Round Nose.
- NO. 46-130 (old 130) Set of above eight chisels. 5 $\frac{1}{2}$ lbs.

TUNGSTEN ALLOY TIPPED TURNING CHISELS

For cutting metals such as brass, bronze, aluminum, and mild steel free-hand as easily as wood and plastic. Two styles—square nose and round nose. Two sizes— $\frac{5}{16}$ " for fine work and $\frac{1}{4}$ " for large, heavy work. Have an extremely long life with little or no sharpening required. 1 lbs.

- NO. 46-801 Square Nose, $\frac{5}{16}$ ".
- NO. 46-802 Round Nose, $\frac{5}{16}$ ".
- NO. 46-803 Square Nose, $\frac{1}{4}$ ".
- NO. 46-804 Round Nose, $\frac{1}{4}$ ".

METAL SPINNING TOOLS

Made of exceptionally high grade hardened steel to assure long spinning edge life. Blades have specially designed tangs wedge firmly into the handles. Overall length, approximately 30".

- NO. 46-492 Flat Tool. 2 $\frac{1}{2}$ lbs.
- NO. 46-493 Pointed Tool. 2 $\frac{1}{2}$ lbs.
- NO. 46-494 Cut-Off Tool. 2 $\frac{1}{2}$ lbs.
- NO. 46-495 Beading Tool. 2 $\frac{1}{2}$ lbs.
- NO. 46-496 Set of above four tools. 9 lbs.

NO. 46-491 Tool Rest. For use with metal spinning tools. Has multiple openings for positioning of fulcrum pin. 3 $\frac{1}{2}$ lbs.

METAL TURNING ACCESSORIES

When equipped with metalworking accessories, your lathe can turn non-ferrous metals, do drilling and boring operations, etc.

NO. 46-961 Compound Slide Rest. Accurately built with dovetail ways and graduated compound base that rotates 360°. Feed screws are covered to protect them from dirt and chips—fitted with micrometer sleeves, accurately graduated. With tool post, rocker, washer and wrench. 31 lbs.

HOLDER, BORING BARS, TOOL BITS

For use with the No. 46-961 Slide Rest. Holder is extremely useful and many uses can be found for it. Holds both boring bars and $\frac{1}{4}$ " square bits. Holder has two holes to facilitate holding tool. Made of case hardened tool steel.

NO. 46-963 Holder for Boring Bar and Tool Bits. 1 lb.

NO. 46-966 Boring Bars, set of three, $\frac{1}{8}$ ", $\frac{3}{16}$ " and $\frac{1}{4}$ ". $\frac{1}{2}$ lb.

NO. 46-954 Tool Bits, set of four, high-speed steel, $\frac{1}{4}$ " x $\frac{1}{4}$ " x $1\frac{1}{8}$ ", includes roughing, finishing, right corner and left corner. $\frac{1}{2}$ lb.

NO. 46-939 (old 939) 60° Plain Center for metal turning, hardened and ground. $\frac{3}{8}$ lb.

CHUCKS

NO. 46-950 4", 3-Jaw Universal Type Threaded 1"—8 R. H. Has three internal and three external jaws. 5 lbs.

NO. 46-951 4", 4-Jaw Independent Type Threaded 1"—8 R. H. Has one set of jaws, reversible for internal or external work. 3 $\frac{1}{2}$ lbs.

CENTERS

All with No. 2 M.T. shank.

NO. 46-933 (old 933) Spur, Drive. For headstock. Has replaceable center pin, hardened and polished. $\frac{3}{8}$ lb.

NO. 46-439 (old 934) Cup, Dead. For tailstock. Has replaceable center pin, hardened and polished. $\frac{3}{8}$ lb.

NO. 46-940 (old 940) Screw Center. Excellent for turning small, delicate work. With $1\frac{1}{16}$ " long replaceable screw. Has $1\frac{1}{2}$ " diameter face. $\frac{1}{2}$ lb.

NO. 46-968 (old 968) Geared Chuck with key. For drilling on the lathe. 0 to $\frac{1}{2}$ " capacity. 2 lbs.

NO. 46-935 (old 935) Adapter. With $\frac{1}{2}$ " x $1\frac{1}{8}$ " plain shank. Permits use of all attachments with $\frac{1}{2}$ " bore. $\frac{3}{8}$ lb.

NO. 46-490 (old 1490) Ball Bearing Center with three replaceable centers and wrench. Husky and true running with no chatter. Has double-row, sealed, lubricated-for-life bearings to take exceptionally heavy radial and thrust loads. 1 lb.

KNOCKOUT BAR

NO. 46-905 Knockout Bar, 10 $\frac{7}{8}$ " from end of tip to ball. For removing centers and other attachments. 1 lb.

DRAW BOLTS

For holding No. 2 M.T. attachments, including sanding drums and screw centers. With $\frac{1}{4}$ "—20 thread. 1 lb.

NO. 46-916 Draw Bolt with $\frac{1}{4}$ "—20 thread for hollow spindles which are 13 $\frac{1}{2}$ " long. For 12" Heavy Duty Wood Lathe. 1 lb.

NO. 46-850 Draw Bolt with $\frac{1}{4}$ "—20 thread for hollow spindles which are 9 $\frac{3}{4}$ " long. For 12" Standard Duty Wood Lathe.

FACE PLATES AND HAND WHEEL

With 1"—8 thread.

NO. 46-936 (old 936) Face Plate. 3" diameter with R.H. thread. For small and medium face plate work. $\frac{1}{2}$ lb.

NO. 46-937 (old 937) Face Plate. 6" diameter with R.H. and L.H. thread to fit spindles with 1"—8 thread. For large face plate work. 2 lbs.

NO. 46-938 (old 938) Hand Wheel. 5" diameter. Fits L.H. end of lathe spindle with 1"—8 thread. For quick positioning of work or rapid stopping of lathe. 2 lbs.

ROCKWELL DELTA INDUSTRIAL WOODWORKING MACHINES

ROCKWELL DELTA WOOD LATHE ACCESSORIES

SANDING DRUMS

No. 46-163 (old 163) Abrasive Drum, 3" x 3", with No. 2 M.T. shank. 2 lbs.
No. 46-164 (old 164) Abrasive Drum, 1 3/4" x 2", with No. 2 M.T. shank. 1 lb.

SANDING SLEEVES

3" diameter x 3" Sleeves. Package of 6. For use with 46-163 Sanding Drum.
No. 46-138 (old 831) Coarse Garnet. No. 1 1/2 grit. 1/2 lb.
No. 46-832 (old 832) Medium Garnet. No. 1/2-60 grit. 1/2 lb.
No. 46-338 (old 833) Aluminum Oxide (for metal). No. 1-50 grit. 1/2 lb.
1 3/4" Diameter x 2" Sleeves. Package of 6. For use with 46-164 Sanding Drum.
No. 46-638 (old 836) Coarse Garnet. No. 1 1/2-40 grit. 1/4 lb.
No. 46-837 (old 837) Medium Garnet. No. 1/2-60 grit. 1/4 lb.
No. 46-838 (old 838) Aluminum Oxide (for metal). No. 1-50 grit. 1/2 lb.

TOOL RESTS AND BASES

Heavy and strong with 1" diameter shank.
No. 46-690 (old 690) Tool Rest. 4" wide. 1 lb.
No. 46-805 Tool Rest. 6" wide. 2 lbs.
No. 46-692 (old 692) Tool Rest. 12" wide. 2 lbs.
No. 46-431 Calibrated Tool Rest. 12" wide. Has a calibrated, hardened steel insert for making accurate measurements and divisions on work. 4 lbs.
No. 46-694 (old 694) Tool Rest. 24" wide. For extra long turnings. Has two 1" diameter shanks. Requires an extra 46-171 Tool Support Base for use on lathe. 4 1/2 lbs.
No. 46-695 (old 695) Right Angle Tool Rest. Especially useful for face plate work. 2 lbs.
No. 46-171 (old 1461) Tool Rest Base. Has V-shaped hole for 1/2" to 1" diameter shank tool rests. With universal locking mechanism. 9 lbs.
No. 46-430 Off-Set Tool Rest Base. With V-shaped hole for 1/2" to 1" diameter shank tool rests. For face plate turning on extra large stock over the gap. 4 lbs.
No. 46-468 (old 1468) Steady Rest. Capacity up to 2 1/4" diameter. Prevents spring and vibration when working long, thin stock. Has heavy cast iron base with sliding arms of steel. 7 lbs.

FLOOR STAND

No. 46-697 (old 697) Floor Stand. Heavy and rigid. For face plate work on the outboard end of the spindle. Has V-hole to accommodate tool support with 1/2" to 1" shank. 42 lbs.

MACHINE SPUR BITS

Made of selected steel. Have brad point and two cutting spur lips. All with 1/2" diameter shank. 1/2 lb.
No. 15-524 (old 804) 1/4".
No. 15-525 (old 805) 5/16".
No. 15-526 (old 806) 3/8".
No. 15-527 (old 807) 7/16".
No. 15-528 (old 808) 1/2".
No. 15-529 (old 809) 9/16".
No. 15-530 (old 810) 5/8".
No. 15-532 (old 812) 3/4".
No. 15-538 (old 818) Complete set of eight machine spur bits. 2 lbs.

GRINDING AND BUFFING ACCESSORIES

With 1/2" hole. Use with No. 46-144 (old 144) and 46-145 (old 145) Arbors. 2 lbs.
No. 23-001 (old 3101) Grinding Wheel, 1/2" x 6" diameter, 46 grit, coarse, aluminum oxide. 1 1/4 lbs.
No. 23-002 (old 3102) Grinding Wheel, 1/2" x 6" diameter, 60 grit, fine, aluminum oxide. 1 1/4 lbs.
No. 23-620 Grinding Wheel, 5/8" x 6" diameter, 36 grit, coarse, aluminum oxide. 2 lbs.
No. 23-621 Grinding Wheel, 5/8" x 6" diameter, 60 grit, fine, aluminum oxide. 2 lbs.
No. 23-113 (old 3113) Wire Brush, 6" diameter, coarse, set of two. 1 lb.
No. 23-114 (old 3114) Wire Brush, 6" diameter, fine, set of two. 1 lb.
No. 23-511 (old 3115) Fiber Brush, 6" diameter, Tampico fiber, set of two. 1 lb.
No. 23-005 (old 4005) Buffing Wheel, 1/2" x 6" diameter, circular stitching. 1 lb.

SCREW-ON ARBORS FOR 1/2" HOLE ACCESSORIES

No. 46-144 (old 144) Screw-On Arbor, with 1"-8 R.H. thread. For mounting grinding wheels, buffing wheels, wire brushes, etc. 1 lb.
No. 46-145 (old 145) Screw-On Arbor. Same as No. 46-144 (old 144) except with 1"-8 L.H. thread. 1 lb.

BUFFING COMPOUNDS

Giant one pound bars of the most common compounds used for buffing, polishing and cleaning all types of materials.

No.	Description	Use
23-007 (old 4007)	Rouge (Red)	For gold, silver and other precious metals
23-008 (old 4008)	Rouge (White)	For nickel, chromium, iron, stainless steel, cast brass and aluminum
23-009 (old 4009)	Emery (Black)	For removing rust, scale and tarnish
23-010 (old 4010)	Tripoli (Brown)	For aluminum, brass, copper, pewter, wood, plastic

No. 23-004 (4004) Buffing Compound Kit. Consisting of 1/4 lb. bars of compounds: Rouge Red, Rouge White, Emery Black and Tripoli Brown. 1 lb.

DISC SANDING ACCESSORIES

No. 46-934 Sanding Disc with one garnet disc. 8 1/2" diameter. With 1"-8 R.H. thread. 3 lbs.

ABRASIVE PAPER DISCS

Garnet, package of 12, 8 1/2" diameter, fine and coarse, for use with 46-934 Sanding Disc. 1 lb.

No. 46-815 Garnet Paper Disc, 40 grit, coarse.

No. 46-817 Garnet Paper Disc, 80 grit, fine.

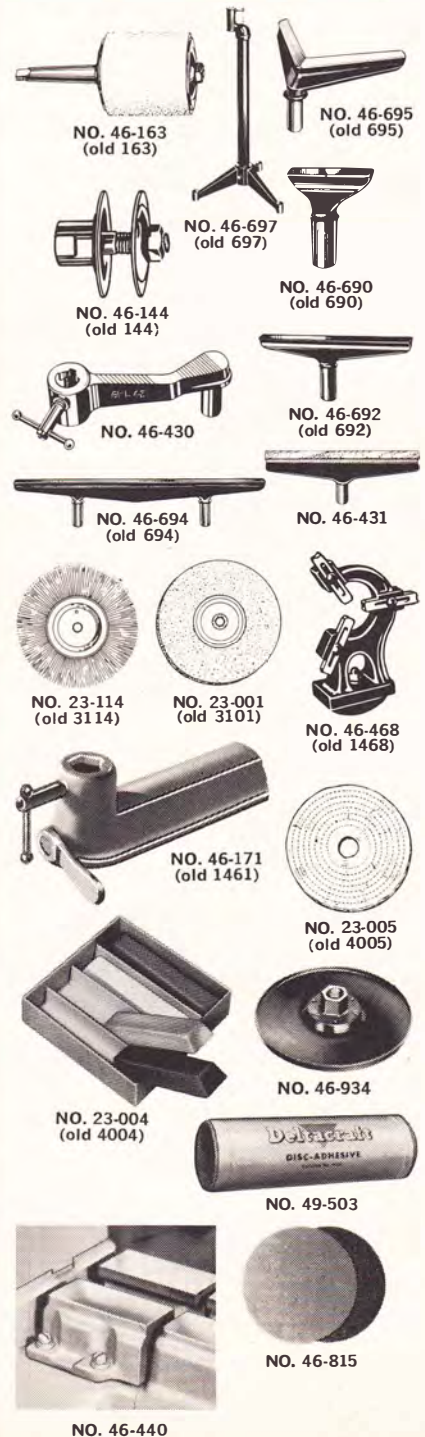
No. 49-503 Disc Adhesive. Special quick drying type for changing from one abrasive disc to another in a few minutes. 1 lb.

No. 34-226 Miter Gage. With stop rods and clamp. 1 1/2 lbs.

GAP FILLER BLOCK

Provides rigid tool support for metal spinning, thin face plate turnings, any work that must be done right at the headstock. Can be mounted on a bench beyond tailstock end of lathe bed for extra long turnings. The No. 46-697 (old 697) Floor Stand is recommended for this operation.

No. 46-440 Filler Block for mounting in gap or beyond bed of 12" Heavy Duty Wood Lathes bearing Serial No. 124-9001 and higher. 6 lbs.

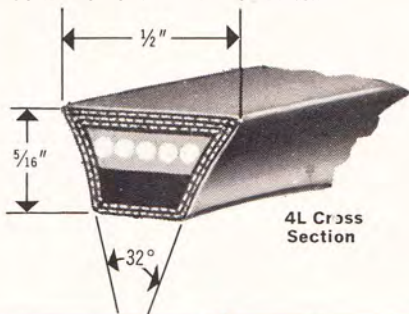


ROCKWELL DELTA INDUSTRIAL MACHINES

ROCKWELL DELTA ACCESSORIES AND ATTACHMENTS FOR ALL SHOPS

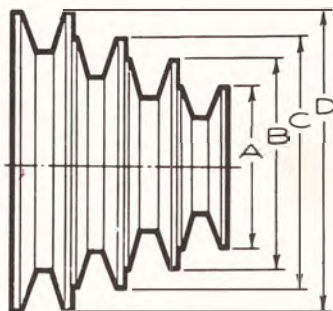
V-BELTS (4L Type)

Designed to make perfect contact with side of V-groove, these V-belts transmit maximum power with minimum slip. Cords are saturated with pure liquid rubber, imbedded in special rubber stock which resists fatigue and carries off heat. All belts are heat and oil resistant.



CAT. NO.	OUT. CIR.	CAT. NO.	OUT. CIR.
49-162	24 1/8"	*49-289 (old 289)	46 1/8"
49-271 (old 271)	25 1/8"	51-007	46 7/8"
*49-124	26 1/16"	VF51-008	47 1/8"
49-178	26 1/8"	49-354 (old 453)	47 3/8"
49-177	27 1/8"	51-009	48 3/8"
51-004	28"	49-169	50"
49-272 (old 272)	28 3/8"		
†49-150	28 3/4"	*49-294 (old 294)	51 1/8"
*49-291 (old 291)	29 3/8"	49-142	51 1/8"
49-101	29 3/8"	49-051 (old 501)	52"
49-105	30 1/8"	49-510 (old 510)	53 1/4"
†49-121	30 3/8"	49-025 (old 520)	54 1/8"
49-287 (old 287)	31 1/8"	49-035 (old 530)	55 3/8"
49-284 (old 284)	31 3/8"	49-144	56 1/8"
49-273 (old 273)	32 1/8"	49-173	57 1/8"
49-149	33 3/8"		
49-303 (old 331)	34 1/4"	49-560 (old 560)	58 29/32"
49-153	34 1/4"	49-130	58 1/8"
49-152	36 1/8"	49-172	59 3/8"
49-340 (old 340)	36 1/2"	†49-140	59 1/2"
49-195	37 1/8"	49-141	60 1/8"
49-115	39 3/8"	49-148	62 1/8"
49-154	40 1/8"	49-146	65 1/8"
49-387 (old 387)	40 1/2"	49-644 (old 644)	66 3/8"
49-168	41 1/8"	VF51-010	67"
49-196	41 1/2"	49-096	68 3/8"
49-104 (old 410)	42 1/8"	49-094	81 1/16"
49-034 (old 430)	44 1/8"	49-179	94 1/16"
VF49-167	45 1/8"		
SC49-145	46 1/16"		

VF—Vibration free. †Matched set of two.
 *Matched set of three. †Matched set of four.
 SC—Specially constructed.



STEP PULLEYS FOR 4L CROSS SECTION BELTS
 (5/8" and 3/4" Bore Contain 3/16" Keyways)

OLD CAT. NO.	CAT. NO. (1/2" BORE)	CAT. NO. (5/8" BORE)	CAT. NO. (3/4" BORE)
718	41-712	41-713	41-714
720	41-722	41-723	41-724
932	41-732	41-733	41-734
985	41-702	41-703	41-704

SINGLE GROOVE PULLEYS FOR 4L CROSS SECTION BELTS (5/8", 3/4" and 7/8" Bore Contain 3/16" Keyways)

SINGLE GROOVE PULLEY O.D.	CAT. NO. (1/2" BORE)	CAT. NO. (5/8" BORE)	CAT. NO. (3/4" BORE)	CAT. NO. (7/8" BORE)
2"	41-002	41-003	41-004	
2 1/8"	41-012	41-013	41-014	
2 1/2"	41-022	41-023	41-024	
2 3/4"	41-032	41-033	41-034	
3"	41-042	41-043	41-044	
3 1/2"	41-052	41-053	41-054	
4"	41-062	41-063	41-064	
4 1/2"	41-072	41-073	41-074	
5"	41-082	41-083	41-084	
5 1/2"	41-092	41-093	41-094	
6"	41-102	41-103	41-104	
6 1/2"	41-112	41-113	41-114	
7"	41-122	41-123	41-124	
*7 1/2"	.....	41-136	41-134	41-140
8"	41-142	41-143	41-144	
10"	41-152	41-153	41-154	

*A special balanced cast iron pulley for the No. 43-340 Heavy Duty Wood Shaper.

SPECIAL HEAVY DUTY SINGLE AND MULTIPLE GROOVE PULLEYS

O.D.	GROOVES	CAT. NO. (5/8" BORE)	CAT. NO. (3/4" BORE)	CAT. NO. (7/8" BORE)	CAT. NO. (1" BORE)	CAT. NO. (1 1/8" BORE)	CAT. NO. (1 1/4" BORE)	KEYWAY	BELT CROSS SECTION
3"	1	41-203						3/16"	"4L"
3"	3		41-644			41-637		1/4"	"4L"
3"	3				41-746	41-747	*41-748	3/16"	"4L"
3 1/4"	4							1/4"	"4L"
3 3/8"	2			41-515				1/4"	"3V"
3 1/2"	2		41-504	41-505				1/4"	"4L"
3 3/8"	2					41-517		1/4"	"3V"
6"	3					41-627		1/4"	"4L"
3 3/8"	3					41-607	*41-610	1/4"	"3V"
7"	1		41-174	41-175	41-006	41-177		1/4"	"A"
8 1/2"	1		41-194	41-195	41-016	41-197		1/4"	"A"

*1 1/8" Bore Pulleys supplied with 5/16" keyway.

FOUR-STEP PULLEYS

Made for same size V-belts as single groove pulleys. May be used in pairs as listed in table below and will provide speeds listed when used with 1725 rpm motor. All available with 1/2", 5/8" and 3/4" bores. 5/8" and 3/4" bores have a 3/16" keyway.

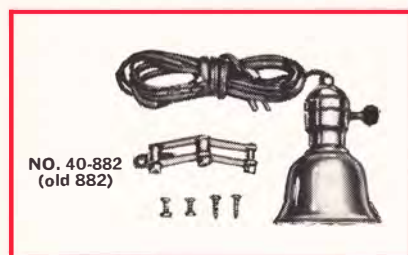
NUMBER OF PULLEY	PULLEY (Outside) DIMENSIONS—INCHES			
	A	B	C	D
41-712 41-713 41-714	1 3/4	2 1/4	2 3/4	3 1/4
41-722 41-723 41-724	3 1/8	3 3/8	4	4 1/2
41-732 41-733 41-734	2 1/2	3 3/8	3 3/8	4 1/2
41-702 41-703 41-704	2 3/8	3 3/8	4 1/4	5 1/4

DRIVER	DRIVEN	SPEEDS			
41-712 41-713 41-714	41-712 41-713 41-714	905	1410	2100	3340
41-722 41-723 41-724	41-722 41-723 41-724	1180	1520	2000	2530
41-712 41-713 41-714	41-722 41-723 41-724	610	910	1255	1725
41-722 41-723 41-724	41-712 41-713 41-714	1725	2370	3290	4900
41-732 41-733 41-734	41-732 41-733 41-734	915	1380	2150	3260
41-702 41-703 41-704	41-702 41-703 41-704	656	1240	2400	4500

ROCKWELL DELTA INDUSTRIAL MACHINES

ROCKWELL DELTA ACCESSORIES AND ATTACHMENTS FOR ALL SHOPS

LAMP ATTACHMENTS



No. 40-882 (old 882) For use with the drill press, band saw, scroll saw and other machines. Furnishes every machine with its own illumination, independent of the shop lighting system. Uses std. 15 or 25-watt bulb. 1½" lbs.



No. 25-857 Deluxe Flexible Type for 115 V. For use on 20" Band Saws, 6" Tool Grinder, TOOLMAKER Grinder, drill presses, metal lathes and in other shop locations. With 18" flexible gooseneck, reflector and 8-foot cord with 2-prong plug. Uses standard bulb (not included) up to 75 watts. 2½ lbs.

LINE-SHAFT HANGER

No. 49-370 This sturdy, practical Line-Shaft Hanger is self-aligning in every direction and is adjustable up and down from 4 to 5" in height. Oil wells hold a large supply of lubricant to keep bronze bearings properly lubricated. For ¾" shafting only. 6 lbs.



RUBBER FEET FOR STEEL STANDS

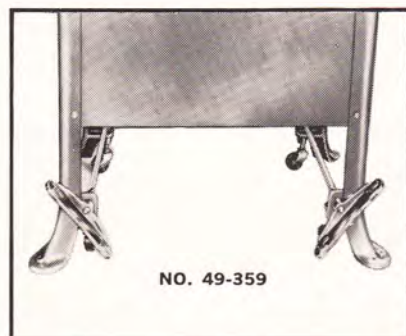
No. 50-353 Provide smoother, quieter operation of machines. With metal

plates to fit into recesses of stand feet. Drilled and tapped for machine screws. Cannot be used with Delta Retractable Casters.

Set of four rubber feet with plates and screws. 1 lb.

RETRACTABLE CASTER SETS

Make your Rockwell Delta Industrial Machines mobile and increase their usefulness to your operation. With Retractable Casters on your Rockwell Delta Machines, you can easily wheel them about your plant or shop, right to the job site. 13 lbs.



No. 49-359 Retractable Caster Set.
Fits Open Steel Stand or Legs:

Used On	Machine Used On
50-109 (Stand)	10" Deluxe Radial Saw

No. 49-360 Retractable Caster Set.
Fits Open Steel Stand:

Stand Used On	Machines Used On
50-308	No. 34-649 9" Saw—4" Jointer Combination

No. 49-362 Retractable Caster Set.
Fits Open Steel Stand:

Stands Used On	Machines Used On
31-124	No. 31-122 12" Disc Sander
50-810	No. 34-643 9" Circular Saw
50-821	11" Drill Press, Radial D.P., Motorized Miter Box
50-305	No. 43-110 Light Duty Wood Shaper

No. 49-363 Retractable Caster Set.
Fits Open Steel Stand:

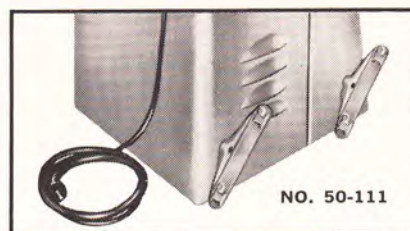
Stands Used On	Machines Used On
50-106	Sander/Grinder
50-304	4" Deluxe Jointer
50-310, 50-717	24" Scroll Saw
50-406	No. 31-520 6" Belt Sander
50-656	No. 37-220 6" Deluxe Jointer
50-891	No. 28-200 or 28-300 14" Band Saw

No. 49-364 Retractable Caster Set.
Fits Open Steel Stand:

Stands Used On	Machine Used On
50-315	10" Bench Saw

No. 49-365 Retractable Caster Set.
Fits Open Steel Stand:

Stand Used On	Machine Used On
37-601	6" Jointer



No. 50-111 Retractable Caster Set.

Furnished with built-in levelling screws that assure a level base at all times. Fits Totally Enclosed Steel Stand:

Stands Used On	Machines Used On
50-121	No. 37-220 6" Deluxe Jointer
50-122	No. 28-200 and 28-300 14" Band Saws
50-125	No. 31-520 6" Belt Sander
50-126	No. 31-122 12" Disc Sander
50-127	No. 34-643 9" Circular Saw

No. 50-119 Retractable Caster Set.

Fits Cabinet Type Stand:

Stand Used On	Machine Used On
50-120	10" DELUXE Radial Saw



A high quality gray enamel that is color blended to match the production finish of Rockwell-built Delta Industrial Machines. Ideal for covering scratches, nicks, chips, etc., to make machine surfaces look like new. Prevents bare surfaces from rusting.

No. 49-333 Quart size. 2½ lbs.

No. 49-334 Gallon size. 9½ lbs.

No. 49-323 Push Button Self-Spray Can (12 av. ozs.) for easy retouching of Delta Industrial Machines. (Dealers note: Single cans are not shipped from the factory. Order No. 49-324.) 1 lb.

No. 49-324 Carton of 12 each of No. 49-323. 12 lbs.

No. 49-306 Push Button Self-Spray Can. Rockwell Delta Light Grey. 6 ozs.

No. 49-307 Push Button Self-Spray Can. Rockwell Delta Dark Grey. 6 ozs.

RUST REMOVER

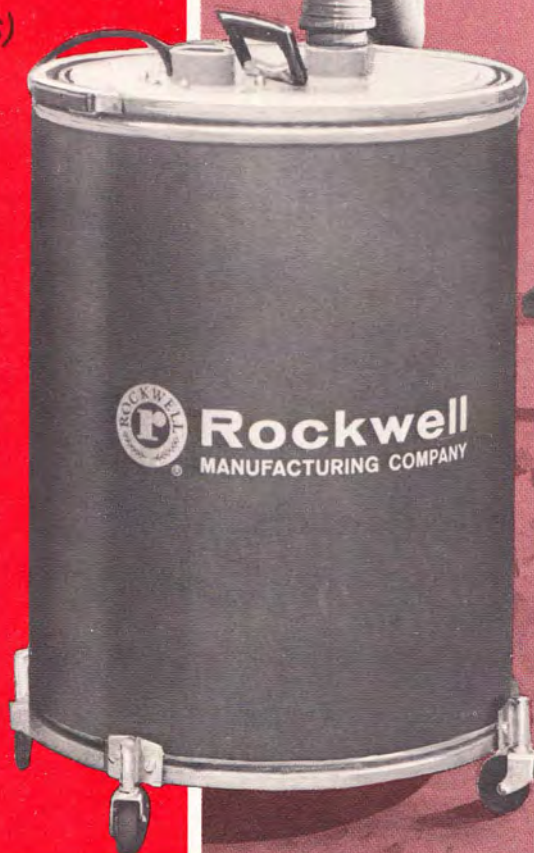
No. 49-320 Half pint bottle. 1 lb. (Dealers note: Single bottles are not shipped from the factory. Order No. 49-304.)

No. 49-304 Carton of 10 each of No. 49-320. 7 lbs.

No. 49-322 Gallon bottle. 9 lbs.

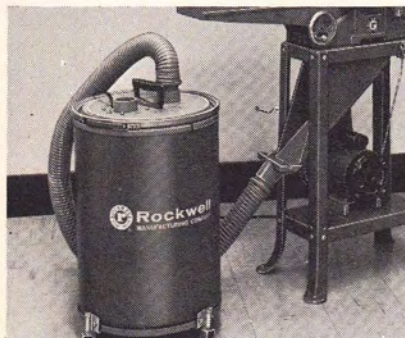
ROCKWELL All-Purpose **VACUUM CLEANERS**

- **VERSATILE VACUUM CLEANERS**
for hundreds of commercial,
school shop and home applications!
- **FEATURE A POWERFUL MOTOR—**
pick up almost anything
(including nails and screws)
with complete safety!
- **EXTRA LARGE 2-1/2"**
DIAMETER HOSE
handles large chips
and bulky
debris without
clogging!
- **COMPLETE
LINE OF
ACCESSORIES**
available
to make
these cleaners
real time
and
money savers!

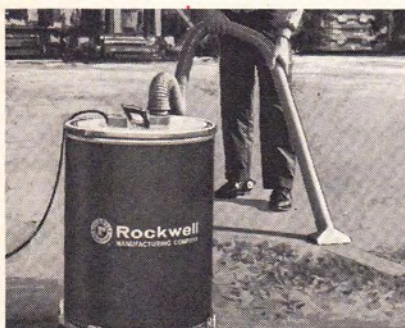


ROCKWELL VACUUM CLEANERS

DO ALL THESE JOBS WITH ROCKWELL VACUUM CLEANERS



For use with woodworking power tools to collect dust and chips at the source.



For general purpose shop cleaning, picking up saw dust, shavings, filings, and other shop debris.

MACHINE DATA

Motor:

28, 18-gal. Models; 6 Amps, 115 V, AC-DC, Develops 1 HP

5-gal. Model; 5.2 Amps, 115 V, AC-DC, Develops ¾ HP

Hose: 2½" Dia. x 6-Foot

Drum Capacity:

MODEL 49-255—28 Gallon

MODEL 49-254—18 Gallon

MODEL 49-253— 5 Gallon

Overall Dimensions:

28-Gallon Unit; 25¾" High; 19" Dia.

18-Gallon Unit; 22¾" High; 16" Dia.

5-Gallon Unit; 14¼" High; 12" Dia.

Weight:

28-Gallon Unit; 24 lbs.

18-Gallon Unit; 22 lbs.

5-Gallon Unit; 15 lbs.

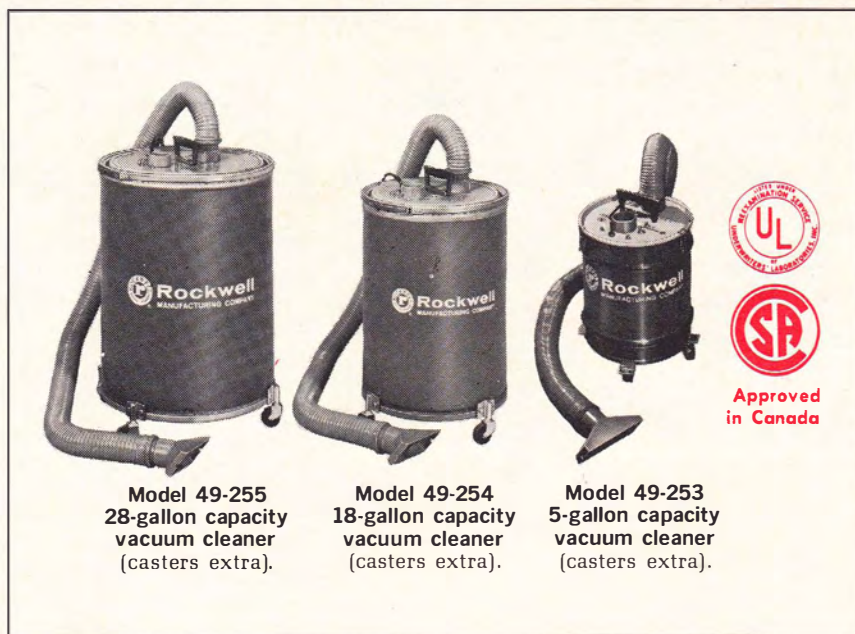
FOR DRY PICKUP ONLY

CATALOG LISTING

No. 49-255 All-Purpose Vacuum Cleaner, 28-gallon capacity, complete with 6 amp motor, switch and cord; filter bag, fiber collector drum; 2½" diameter x 6' hose and 3" x 6" rectangular nozzle. 24 lbs.

No. 49-254 All-Purpose Vacuum Cleaner, same as 49-255, except 18-gallon capacity drum. 22 lbs.

No. 49-253 All-Purpose Vacuum Cleaner, 5-gallon capacity, complete with 5.2 amp motor, switch and cord; filter bag; steel collector drum; 2½" diameter x 6' hose and 3" x 6" rectangular nozzle. 15 lbs.



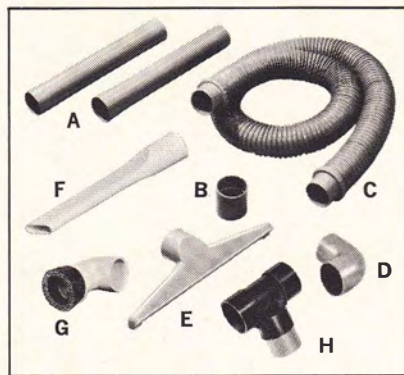
Model 49-255
28-gallon capacity
vacuum cleaner
(casters extra).

Model 49-254
18-gallon capacity
vacuum cleaner
(casters extra).

Model 49-253
5-gallon capacity
vacuum cleaner
(casters extra).

Rockwell Vacuum Cleaners are ideal for "big job" cleaning chores too bulky or messy for a standard cleaner to handle. Extra powerful, they will handle a wide variety of waste—sawdust, wood chips and shavings, paint and rust chippings, grit and filings—in quantities that would clog an ordinary type cleaner. You can't hurt the motor with anything you pick up because all debris is drawn directly into the collector drum, bypassing the motor. Easy roll casters (optional) increase the mobility of these Rockwell Cleaners.

ACCESSORY EQUIPMENT



ACCESSORIES

A. No. 49-226 Set of Extension Tubes for floor cleaning, 2½" diameter x 40" overall. 2 lbs.

B. No. 49-228 Hose Coupling. For connecting two 6-foot lengths of 49-229 2½" diameter hose. ½ lb.

C. No. 49-229 Hose, 2½" dia. x 6'. Replacement for standard hose or for use as extension with No. 49-228 Coupling. 3 lbs.

D. No. 49-230 Elbow, 90°, 2½" dia. ½ lb.

E. No. 49-231 Floor Brush, 14" wide. 2 lbs.

F. No. 49-247 Crevice Tool, 2½" diameter. ½ lb.

G. No. 49-250 Round Elbow Brush, 2½" diameter. 1 lb.

H. No. 49-225 "T" Connector. For connecting two 49-229 Hoses to vacuum cleaner. 2 lbs.

OTHER ACCESSORIES (Not Shown)

No. 49-233 Flange, 2½" diameter. For making your own attachments for your power tools. ½ lb.

No. 49-243 Replaceable Filter Bags, package of five. ½ lb.

No. 49-244 Four-Wheel Caster Set for 5-Gallon Vacuum Cleaner. 1½ lbs.

No. 49-245 Four-Wheel Caster Set for 18 and 28-Gal. Vacuum Cleaners. 3 lbs.

ATTACHMENT PARTS (Include Necessary Connection Fittings and Hoses)

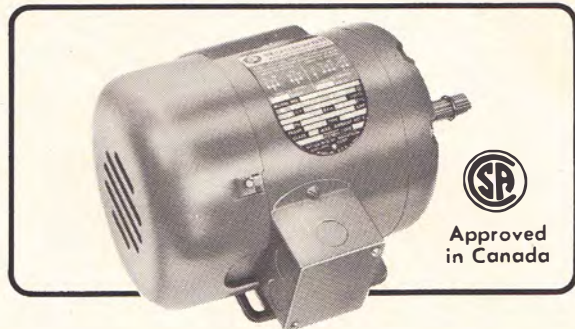
No. 49-589 Attachment Parts for 6" Abrasive Belt Finishing Machine and for Belt Unit of Combination Belt and Disc Finishing Machine. Includes 49-233 Flange for connecting to 2½" hose. 1½" lbs.

No. 49-590 Attachment Parts for No. 31-122 12" Abrasive Disc Finishing Machine on Open Stand 31-124. For connecting to 2½" hose. 5 lbs.

No. 50-140 Attachment Parts for Ready-to-Run 12" Abrasive Disc Finishing Machine and for Disc Unit of Combination Belt and Disc Finishing Machine. Includes cast iron funnel and flange for connecting to 2½" hose. 8¼ lbs.

For other accessories, see product pages.

ROCKWELL DELTA MOTORS



Designed Specifically for Delta Products

Dependable Delta Heavy Duty Motors are comparatively low in cost—but they are NOT built down to a price. Quality has been maintained throughout. They are the finest motors available at anywhere near their price. New, dependable Delta Standard Duty Motors give you all the performance you require, on the products for which they are recommended, at the lowest possible cost! Check the specially engineered features on all Delta Motors.

All Ball Bearings are lubricated for life. Bearing designs permit Delta Motors to be mounted either vertically or horizontally.

All Delta Motors comply with or exceed the motor manufacturing power standards (breakdown torque) as established by the National Electrical Manufacturers Association (NEMA).

All Double-Shaft Motors are supplied with one shaft guard for maximum safety to the operator.

Accurately Balanced Rotors insure smoothness of operation and prevent destructive vibration.

Well Designed Ventilating Systems assure cool operating motors, thus providing adequate overload capacity and longer motor life.

SPECIFICATIONS FOR ROCKWELL DELTA SINGLE PHASE MOTORS

(All motors supplied with cord sets are grounded and wired for 115V unless otherwise noted)

Catalog Number	H.P.	R.P.M.	Volts	Cycles	Shaft	Frame Size	Switch	Cord and Plug	Enclosure	Duty	Wt. Lbs.
SPLIT PHASE											
x60-020	1/3	1725	115	60	5/8" Single	No. 6	SPST	Yes	GD	Standard	16
x*60-050	1/2	3450	115	60	1/2" Single	No. 6	SPST	Yes	GD	Standard	25
x60-220	1/2	1725	115	60	5/8" Single	No. 6	SPST	Yes	GD	Standard	28
CAPACITOR START											
60-054	1	1725	115/230	60	3/8" Single	NEMA 143T	None	None	TEFC	Heavy	55
60-055	2	1725	115/230	60	3/8" Single	NEMA 145T	None	None	TEFC	Heavy	75
†62-003	1	3450	115/230	60	5/8" Single	NEMA 56	None	None	TEFC	Heavy	46
62-010	1/2	1725	115/230	60	5/8" Single	No. 6	None	None	TEFC	Standard	25
62-011	3/4	1725	115/230	60	5/8" Single	No. 6	None	None	TEFC	Standard	30
62-012	1	1725	115/230	60	5/8" Single	No. 6	None	None	TEFC	Standard	47
62-020	3/4	3450	115/230	60	5/8" Single	No. 6	None	None	TEFC	Standard	30
§62-030	1/2	1725	115/230	60	5/8" Single	No. 6	SPST	Yes	TEFC	Standard	30
62-110	1/3	1725	115/230	60	1/2" Double	No. 6	DPST	Yes	GD	Heavy	24
62-128	1	3450	115/230	60	5/8" Single	NEMA 56	None	None	TEFC	Heavy	32
62-129	1 1/2	3450	115/230	60	5/8" Single	NEMA 56	None	None	TEFC	Heavy	37
62-213	1/2	3450	115	60	5/8" Single	Special	None	Yes	GD	Heavy	22
§*62-253	3/4	3450	115	60	5/8" Double	No. 6	SPST	Yes	GD	Heavy	31
§*62-273	1	3450	115	60	5/8" Double	No. 6	SPST	Yes	GD	Heavy	34
*62-413	1/3	1725	115	60	5/8" Single	No. 6	SPST	Yes	GD	Heavy	22
*62-653	1/2	1725	115	60	5/8" Double	No. 6	SPST	Yes	GD	Heavy	27
62-660	1/2	3450	115/230	60	5/8" Single	No. 6	DPST	Yes	GD	Heavy	28
62-680	1/2	1725	115/230	60	5/8" Single	No. 6	DPST	Yes	GD	Heavy	24
**62-683	1/2	1140	115/230	60	5/8" Single	No. 6	DPST	Yes	GD	Heavy	39
62-710	3/4	1725	115/230	60	5/8" Single	No. 6	None	Yes	GD	Heavy	39
†82-000	2	3450	115/230	60	7/8" Single	NEMA 145T	None	None	TEFC	Heavy	53
82-040	1 1/2	1725	115/230	60	7/8" Single	NEMA 145T	None	None	TEFC	Heavy	60
82-041	1	1725	115/230	60	3/8" Single	NEMA 143T	None	None	TEFC	Heavy	55
83-000	3	3450	115/230	60	1 1/8" Single	NEMA 184T	None	None	TEFC	Heavy	80
83-001	5	3450	230	60	1 1/8" Single	NEMA 184T	None	None	TEFC	Heavy	100
83-041	3	1725	115/230	60	1 1/8" Single	NEMA 184T	None	None	TEFC	Heavy	91
83-070	1	1140	115/230	60	7/8" Single	NEMA 182	None	None	TEFC	Heavy	95
83-560	1	1725	115/230	60	3/4" Double	No. 8 1/2	None	None	GD	Heavy	61
*83-621	1 1/2	3450	115/230	60	3/4" Single	Special	None	None	TEFC	Heavy	58
*83-631	2	3450	115/230	60	3/4" Single	Special	None	None	TEFC	Heavy	67
*83-651	3	3450	115/230	60	3/4" Single	Special	None	None	TEFC	Heavy	80
REPULSION INDUCTION											
85-110	1 1/2	3450	115/230	60	3/4" Single	Special	None	None	TENV	Heavy	81

ROCKWELL DELTA MOTORS

SPECIFICATIONS FOR ROCKWELL DELTA 3 PHASE MOTORS

CATALOG Number	H.P.	R.P.M.	Volts	Cycles	Shaft	Frame Size	Switch	Cord and Plug	Enclosure	Duty	Wt. Lbs.	575V Cat. No.	200V Cat. No.
60-056	2	1725	230/460	60	5/8" Single	145T			TEFC	Heavy	50	60-057	60-058
†66-004	1	3450	230/460	60	5/8" Single	NEMA 56			TEFC	Heavy	35	66-007	66-006
66-019	1/2	1725	230/460	60	5/8" Single	No. 6			TEFC	Standard	27	66-016	66-022
66-020	3/4	3450	230/460	60	5/8" Single	No. 6			TEFC	Standard	25	66-026	66-025
66-029	3/4	1725	230/460	60	5/8" Single	No. 6			TEFC	Standard	30	66-017	66-023
66-039	1	1725	230/460	60	5/8" Single	No. 6			TEFC	Standard	32	66-018	66-024
66-040	1	3450	230/460	60	5/8" Single	NEMA 56			TEFC	Heavy	28	66-043	66-042
66-041	1 1/2	3450	230/460	60	5/8" Single	NEMA 56			TEFC	Heavy	44	66-045	66-044
x66-069	1/2	3450	230/460	60	1/2" Single	No. 6			GD	Standard	17	66-061	66-062
66-139	1/2	1725	230/460	60	1/2" Double	No. 6			GD	Heavy	20	66-130	66-135
66-369	1/2	1725	230/460	60	5/8" Single	No. 6			GD	Heavy	27	66-341	66-359
66-379	1/2	1140	230/460	60	5/8" Single	No. 6			GD	Heavy	31	66-347	66-383
66-719	3/4	1725	230/460	60	5/8" Single	No. 6			GD	Heavy	31	66-730	66-712
†86-000	2	3450	230/460	60	7/8" Single	NEMA 145T			TEFC	Heavy	50	86-002	86-001
86-040	1 1/2	1725	230/460	60	7/8" Single	NEMA 145T			TEFC	Heavy	45	86-048	86-047
86-044	1	1725	230/460	60	7/8" Single	NEMA 143T			TEFC	Heavy	40	86-046	86-045
86-070	1	1140	230/460	60	7/8" Single	NEMA 145T			TEFC	Heavy	55	86-072	86-071
86-529	1/2	1725	230/460	60	3/4" Single	No. 8 1/2			GD	Heavy	42	86-530	86-535
86-759	3/4	1725	230/460	60	3/4" Single	No. 8 1/2			GD	Heavy	43	86-730	86-735
86-909	1	1725	230/460	60	3/4" Double	No. 8 1/2			GD	Heavy	44	86-930	86-935
86-969	1	1140	230/460	60	3/4" Single	No. 8 1/2			GD	Heavy	51	86-932	86-937
87-000	3	3450	230/460	60	1 1/8" Single	NEMA 182T			TEFC	Heavy	65	87-008	87-009
87-001	5	3450	230/460	60	1 1/8" Single	NEMA 184T			TEFC	Heavy	87	87-004	87-003
87-002	7 1/2	3450	230/460	60	1 1/8" Single	NEMA 184T			TEFC	Heavy	87	87-006	87-005
87-040	3	1725	230/460	60	1 1/8" Single	NEMA 182T			TEFC	Heavy	65	87-044	87-043
87-041	5	1725	230/460	60	1 1/8" Single	NEMA 184T			TEFC	Heavy	80	87-048	87-047
87-070	1 1/2	1140	230/460	60	7/8" Single	NEMA 182			TEFC	Heavy	60	87-072	87-071
87-149	1 1/2	1725	230/460	60	3/4" Double	No. 8 1/2			GD	Heavy	50	87-130	87-135
•87-319	2	3450	230/460	60	3/4" Single	Special			TEFC	Heavy	58	87-312	87-318
•87-359	3	3450	230/460	60	3/4" Single	Special			TEFC	Heavy	67	87-352	87-353
96-329	2	1725	230/460	60	3/4" Double	No. 8 1/2			GD	Heavy	62	96-330	96-321
96-629	3	1725	230/460	60	1 1/8" Single	NEMA 213			GD	Heavy	74	96-630	96-634

Not supplied. For recommended switch for particular motor application, refer to product page listing.

Not supplied. For recommended wiring for particular motor application, refer to product page listing.

Write for information on available motors not listed. Such motors, when ordered special, are not subject to cancellation.

*Supplied with integral, manual reset and thermal overload protection.

**Capacitor start—capacitor run motor.

xWith sleeve bearings.

§Switch wired for remote control.

†Supplied with integral reversing switch.

•Due to larger physical dimensions, motor will not fit UNISAW cabinets with oval-shaped opening on right side.

†200 and 575V motors can be used on same machines as 230/460V motors. See section P2.

DPST—Double pole, single throw.

SPST—Single pole, single throw.

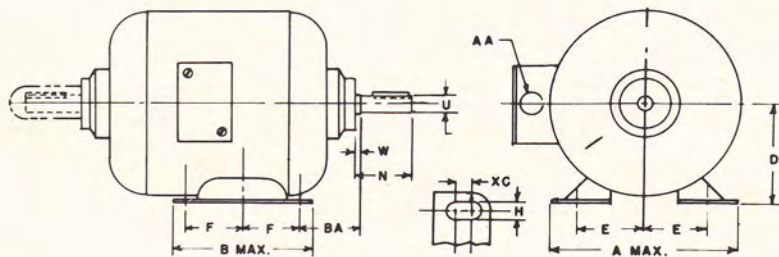
TE—Totally enclosed.

TENV—Totally enclosed, non-ventilated.

TEFC—Totally enclosed, fan cooled.

GD—Guarded drip-proof.

DIMENSIONAL DATA ON ROCKWELL DELTA MOTORS



Motor Frame	A Max	AA Min	B Max	BA	D	E	F	H	N-W	U	XC
Delta No. 6	6 1/16	1 1/2*	4 3/4	2	3 1/4	2 1/2	1 5/16	3/8	1 7/8	1/2**	1 7/32
Delta No. 8 1/2	8 5/8	1 1/2	5	3 17/32	4 1/2	3 1/16	1 7/8	7/16	2 1/4	3/4†	3/8
NEMA 56	—	1/2	—	2 3/4	3 1/2	2 1/16	1 1/2	1 1/32	1 7/8	3/8†	1 1/32
NEMA 143T	7	3/4	6	2 1/4	3 1/2	2 3/4	2	1 1/32	2 1/4	7/8†	—
NEMA 145T	7	1/2	6	2 1/4	3 1/2	2 3/4	2 1/2	1 1/32	2 1/4	7/8†	—
NEMA 182	9	3/4	6 1/2	2 3/4	4 1/2	3 3/4	2 1/4	1 3/32	2 1/4	7/8†	—
NEMA 182T	9	3/4	6 1/2	2 3/4	4 1/2	3 3/4	2 1/4	1 3/32	2 3/4	1 1/8†	—
NEMA 184T	9	3/4	7 1/2	2 3/4	4 1/2	3 3/4	2 3/4	1 3/32	2 3/4	1 1/8†	—
NEMA 213	10 1/2	3/4	7 1/2	3 1/2	5 1/4	4 1/4	2 3/4	1 3/32	3	1 1/8†	—
NEMA 215	10 1/2	3/4	9	3 1/2	5 1/4	4 1/4	3 1/2	1 3/32	3	1 1/8†	—

*Some Delta motors are supplied with a junction box in one of the motor end bells instead of on the side of the motor frame. Motors with end bell junction boxes do not have knockouts, only 2 slots which allow passage of motor cables, and holes which allow mounting of control switch or cable clamp.

**Some Delta motors are supplied with either a 1/2" diameter shaft with a flat or with a 3/8" diameter shaft and 3/16 x 3/16 x 1 1/4" key.

†Supplied with key.

ROCKWELL DELTA MOTORS

Machines On Which ROCKWELL DELTA Single Phase Motors May Be Used

Single Phase Motors	20" Drill Press	17" Drill Presses	15" VS6 Drill Press	15" 6+6 Drill Press	15" Utility Drill Press	Ram Type Drill Press	12" Cut-Off Machine	Sander/Grinder	6" Ab. Belt Finishing Machine	12" Ab. Disk Finishing Machine	Comb. Belt & Disk Finishing Machine	8" Jointer	6" Deluxe Jointer	6" Jointer	4" Jointer
60-020															X
60-050								X							
60-054															
60-055															
60-220															X
62-003															
62-010				X	X								X	X	
62-011			X	X	X				X						
62-012															
62-020															
62-030														X	
62-110				X	X										
62-128												X			
62-129											X	X			
62-213															
62-253															
62-273															
62-413				X	X										X
62-653				X	X										
62-660								X							
62-680			X	X	X	X							X	X	
62-683			X	X	X										
62-710									X						
82-000															
82-040	X														
82-041	X	X								X					
83-000							X								
83-001															
83-041															
83-070	X	X													
83-560	*	*											X		
83-621															
83-631															
83-651															
85-110															

Machines On Which ROCKWELL DELTA Three Phase Motors May Be Used

Three Phase Motors	20" Drill Press	17" Drill Presses	15" VS6 Drill Press	15" 6+6 Drill Press	15" Utility Drill Press	Ram Type Drill Press	12" Cut-Off Machine	Sander/Grinder	6" Ab. Belt Finishing Machine	12" Ab. Disk Finishing Machine	Comb. Belt & Disk Finishing Machine	8" Jointer	6" Deluxe Jointer	6" Jointer	4" Jointer
60-056															
66-004															
66-019					X								X	X	
66-020															
66-029			X	X	X								X	X	
66-039									X						
66-040												X			
66-041											X	X			
66-069								X							
66-139					X										X
66-369					X	X							X	X	
66-379			X	X	X	X									
66-719									X						
86-000															
86-040	X									X					
86-044		X								X					
86-070		X													
86-529										*					
86-759	X	X								*					
86-909	X	X								*		X			
86-969	X	X													
87-000							X								
87-001							X								
87-002															
87-040															
87-041															
87-070	X														
87-149	X	X								*		X			
87-319															
87-359															
96-329	X														
96-629							X								

* Used on Old Style No. 31-426 (old 1426) 12" Abrasive Disk Finishing Machine; Also on Old Style 17" and 20" Drill Presses.

ROCKWELL DELTA MOTORS

Machines On Which ROCKWELL DELTA Single Phase Motors May Be Used

Single Phase Motors	9" Bench Saw	10" Bench Saw	10" Unisaw	12"-14" Circular Saw	9" Saw 4" Jtr. Comb.	14" Wood Band Saw	14" Metal Cutting Band Saw	20" Wood Band Saw	20" Metal Cutting Band Saw	13" Planer	18" Planer	Uni-plane	24" Scroll Saw	Heavy Duty Wood Shaper	Light Duty Wood Shaper	12" Hvy. Duty Wood Lathe	12" Std. Duty Wood Lathe
60-020																	
60-050																	
60-054								X									
60-055								X	X								
60-220																	
62-003														X	X		
62-010						X	X										X
62-011						X	X									X	X
62-012																X	
62-020												X					
62-030																	
62-110						X	X						X				
62-128		X															
62-129		X															
62-213															X		
62-253	X																
62-273	X				X												
62-413																	
62-653																	
62-660																	
62-680						X	X									X	X
62-683																	
62-710						X	X									X	X
82-000														X			
82-040																	
82-041																	
83-000																	
83-001				X							X						
83-041										X							
83-070																	
83-560								•	•								
83-621			X														
83-631			X														
83-651			X														
85-110			X														

Machines On Which ROCKWELL DELTA Three Phase Motors May Be Used

Three Phase Motors	9" Bench Saw	10" Bench Saw	10" Unisaw	12"-14" Circular Saw	9" Saw 4" Jtr. Comb.	14" Wood Band Saw	14" Metal Cutting Band Saw	20" Wood Band Saw	20" Metal Cutting Band Saw	13" Planer	18" Planer	Uni-plane	24" Scroll Saw	Heavy Duty Wood Shaper	Light Duty Wood Shaper	12" Hvy. Duty Wood Lathe	12" Std. Duty Wood Lathe
66-004														X	X		
66-019						X	X										X
66-020												X					
66-029						X	X									X	X
66-039																X	
66-040		X															
66-041		X															
66-056								X	X								
66-069																	
66-139						X	X						X				
66-369						X	X									X	X
66-379																X	X
66-719						X	X									X	X
86-000														X			
86-040																	
86-044																	
86-070																	
86-529																	
86-759																	
86-909								•	•								
86-969																	
87-000																	
87-001				X							X						
87-002				X							X						
87-040										X							
87-041										X							
87-070																	
87-149								•	•								
87-319			X														
87-359			X														
96-329									•	•							
96-629										•							

• Used on Old Style No. 28-350 20" Wood Cutting and No. 28-364 20" Metal Cutting Band Saws; also No. 22-101 13" x 5" Planer.

ROCKWELL DELTA INDUSTRIAL MACHINES

ROCKWELL DELTA CONTROLS AND WIRING KITS

For application of controls and wiring kits, refer to controls and wiring kits listed on product pages. Also see Section Q2.

- Write to factory for information on available motor controls and wiring kits not listed. Such items, when ordered special, are not subject to cancellation.

MANUAL SINGLE PHASE CONTROLS AND WIRING

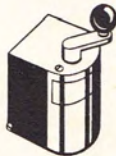
Catalog Number	Product Usage	Description	Maximum HP Rating of Switches				Weight Lbs.
			115V AC	230V AC	115V DC	230V DC	
		MANUAL CONTROL SWITCH WITH WIRING					
49-312	Coolant Pump	On-Off Toggle Switch, 2-Pole with 8', #16-3 Wire Cable, SJ/3 Prong 115 V Grounding Plug, Mounting and Connecting Hardware.	1½	1½	1½	1½	2
49-313	Coolant Pump	On-Off Toggle Switch, 2-Pole with 8', #16-3 Wire Cable, SJ/3 Prong 230 V Grounding Plug, Mounting and Connecting Hardware.	1½	1½	1½	1½	1
15-811	All 15" Drill Presses	Start-Stop Push Button Switch, 2-Pole, 5-Wire Cable Assembly, Mounting and Connecting Hardware.	1	1½	1	1½	2
20-611	All 17" and 20" Drill Presses	Start-Stop Push Button Switch, 2-Pole, 4-Wire Conduit Assembly, Mounting and Connecting Hardware.	1	1½	1	1½	2
34-891	10" Tilting Arbor Bench Saw	Start-Stop Push Button Switch, 2-Pole, 5-Wire Cable Assembly, 115-Volt Cord Set, Mounting and Connecting Hardware.	1	1½	1	1½	3
49-410	Ram Type Radial Drill Press	Start-Stop Push Button Switch, 3-Pole, Two 3-Wire Cable Assemblies, Mounting and Connecting Hardware.	1	2	—	—	2



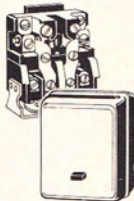
51-115



52-346



49-316



49-669

MANUAL CONTROL SWITCH

51-115 (old 1115)	General See Description	On-Off Toggle Switch, 2-Pole, Three Hole Flush Mounting with Hole in Toggle. For Replacement Use on No. 62-110, 62-680, 62-683, 82-710, 82-910, 82-912, 83-112 and 83-510 Motors. For Use with No. 49-385 Kit.	1 1/2	1 1/2	1 1/2	1 1/2	1
49-330	10" Grinder	On-Off Toggle Switch, 2-Pole, Single Hole Mounting with Solid Toggle. For Replacement Use.	1 1/2	1 1/2	1 1/2	1 1/2	2
49-331	General See Description	On-Off Toggle Switch, Single Pole, Single Hole Mounting with Hole in Toggle. For Replacement Use on No. 62-253, 62-273, 62-653 and 62-413 Motors and 49-311 Switch Kit.	1	1	—	—	1
49-670	General	Start-Stop Push Button Switch, 2-Pole. Recommended for Replacement Use.	1	1 1/2	1	1 1/2	2
52-346	General	Start-Stop Push Button Switch, 2-Pole. Includes Box, Cover, Gasket and Mounting Hardware. Recommended for Use on Open Steel Stands and for Replacement Use.	2	2	—	—	2
49-316	Light Duty Wood Shaper	Drum Switch in NEMA Type 1 Enclosure. For Reversing (For-Off-Rev.) Control of 62-213 Motor.	1 1/2	2	—	—	2

OVERLOAD SWITCH

Provides Motors with Protection from Overloads

49-669	General	Two-Pole with Manual Reset Button in a NEMA Type 1 Enclosure. To Insure that Correct Heater Coils are Supplied Specify Motor No., HP, RPM, Phase and Voltage When Ordering.	1	2	2	2	3
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MANUAL STARTER

Provides Control and Overload Protection. Has Start and Stop-Reset Rocker. To Insure that Correct Heater Coils are Supplied, Specify Motor No., HP, RPM and Voltage When Ordering.

49-026	General	Manual Starter, Size 1, NEMA 1 Enclosure.	2	3	—	—	5
49-027	General	Manual Starter, Size 1 1/2, NEMA 1 Enclosure.	3	5	—	—	7

Catalog Number	Product Usage	Description	Amp Rating		Weight Lbs.
			115V AC	230V AC	
		WIRING			
49-357	General	Consists of 8', #16-3 Wire Cable, SJ/3 Prong 115 V Grounding Plug.	13	—	3
49-513	General	Consists of 8', #14-3 Wire Cable, S/3 Prong 115 V Grounding Plug.	15	—	3
49-417	General	Consists of 8', #16-3 Wire Cable, SJ/3 Prong 230 V Grounding Plug.	—	13	2
49-514	General	Consists of 8', #14-3 Wire Cable, S/3 Prong 230 V Grounding Plug.	—	15	3
49-315	General	Consists of 3' Long Flexible Conduit with Three #14 Wires and Fittings.	15	15	1
49-385	General	Consists of Box, Clamps, Cover, 2-Wire Cable to Provide Remote Control of Single Phase Motors. No. 1115 Toggle Switch (Not Supplied) Must be Used with this Kit.	13	13	2



49-357

ROCKWELL DELTA INDUSTRIAL MACHINES

ROCKWELL DELTA CONTROLS AND WIRING KITS

MANUAL SINGLE PHASE CONTROLS AND WIRING—Continued

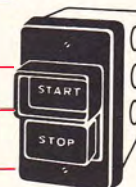
Catalog Number	Product Usage	Description	Amp Rating		Weight Lbs.
			115V AC	230V AC	
MANUAL CONTROL SWITCH RODS					
Provide Very Low-Cost, Finger-Tip Control of Single Phase Motors Which Have Built-In Toggle Switches. Made of 7/32" Steel Rod with a Loop Handle at One End and Cotter Pin Hole at Opposite End.					
51-330 (old 1330)	See General Description	Switch Rod, 17¾" Long. Includes Cotter Pin, Screw Eye for Wood and Bracket for Mounting on Steel Stand. For Use on Sander/Grinder with No. 50-106 Open Steel Stand.	—	—	2
51-331 (old 1331)	See General Description	Switch Rod, 15½" Long. Includes Cotter Pin and Bent Wire Guide with Grommet. For Use on "6 Plus 6", "VS6" and 15" Utility Drill Presses, UNIDRILL and Super-Hi 14" Drill Press.	—	—	1
51-333 (old 1333)	See General Description	Switch Rod, 17¼" Long. Includes Cotter Pin and Bracket with Grommet for Mounting on Steel Stand. For Use on 6" Deluxe Jointer on No. 50-656 Open Steel Stand and 4" Precision Jointer on No. 50-304 Open Steel Stand.	—	—	2
51-334 (old 1334)	See General Description	Switch Rod, 18¾" Long. Includes Cotter Pin, Screw Eye for Wood and Bracket for Mounting on Steel Stands. For Use on 6" Abrasive Belt Finishing Machine on No. 50-406 Open Steel Stand, and 14" Metal Cutting and Wood Cutting Band Saws on No. 50-891 Open Steel Stand.	—	—	2



51-330

MANUAL THREE PHASE CONTROLS AND WIRING

Catalog Number	Product Usage	Description	Maximum HP Rating of Switches		Weight Lbs.
			200-230V AC	460-575V AC	
MANUAL CONTROL SWITCH AND WIRING					
15-813	All 15" Drill Presses	Start and Stop Push Button Switch, 3-Pole, Two 4-Wire Cable Assemblies, Mounting and Connecting Hardware.	3	3	2
20-613	All 17" and 20" Drill Presses	Start and Stop Push Button Switch, 3-Pole, Six-Wire Conduit Assembly, Mounting and Connecting Hardware.	3	3	2
34-893	10" Tilting Arbor Bench Saw	Start and Stop Push Button Switch, 3-Pole, 4-Wire Cable, Mounting and Connecting Hardware.	3	3	4
49-410	Ram Type Radial Drill Press	Start and Stop Push Button Switch, 3-Pole, Two 3-Wire Cable Assemblies, Mounting and Connecting Hardware.	3	3	2



52-347

MANUAL CONTROL SWITCH

49-671	General	Start and Stop Push Button Switch, 3-Pole. Recommended for Replacement Use.	2	2	2
52-347	General	Start and Stop Push Button Switch, 3-Pole. Includes Box, Cover, Gasket and Mounting Hardware. Recommended for Use on Open Steel Stands and for Replacement Use.	2	2	2

MANUAL STARTER

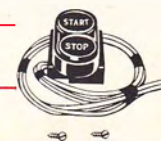
Provides Control and Overload Protection. Has Start and Stop-Reset Rocker. To Insure that Correct Heater Coils are Supplied, Specify Motor No., HP, RPM and Voltage When Ordering.

49-028	General	Manual Starter, Size 0, NEMA Type 1 Enclosure	3	5	5
49-029	General	Manual Starter, Size 1, NEMA Type 1 Enclosure.	7 1/2	10	5

		WIRING	Amp Rating		Weight Lbs.
			200-230V AC	460-575V AC	
49-315	General	Consists of 3' Long Flexible Conduit with Three #14 Wire and Fittings.	15	15	1

MAGNETIC SINGLE AND THREE PHASE CONTROLS AND WIRING

Catalog Number	Product Usage	Description	Voltage Rating	Weight Lbs.
MAGNETIC CONTROL SWITCH AND WIRING				
15-812	All 15" Drill Presses	Start and Stop Push Button Magnetic Starter Control Switch, 4-Wire Cable Assembly, Mounting and Connecting Hardware. Used to Control 49-664, 49-665, 49-674 or 49-698 Magnetic Starter.	600 Volts Max.	1
20-612	All 17" and 20" Drill Presses	Start and Stop Push Button Magnetic Starter Control Switch, 3-Wire Flexible Conduit Assembly, Mounting and Connecting Hardware. Used to Control 49-664, 49-665, 49-674 or 49-698 Magnetic Starter.	600 Volts Max.	2
34-892	10" Tilting Arbor Bench Saw	Start and Stop Push Button Magnetic Starter Control Switch, Cable Assembly, Mounting and Connecting Hardware. Used to Control 49-664, 49-665, 49-674 or 49-698 Magnetic Starter.	600 Volts Max.	3
49-842	General See Description	Start and Stop Push Button Magnetic Starter Control Switch, Wiring and Mounting Hardware to Allow Switch to be Connected to and Mounted in a 49-664, 49-665, 49-666, 49-674, 49-698, 49-699, 49-840, 49-841, 49-844 or 49-845 Magnetic Starter to Provide Integral Push Button Control.	600 Volts Max.	5



49-842

ROCKWELL DELTA INDUSTRIAL MACHINES

ROCKWELL DELTA CONTROLS AND WIRING KITS

MAGNETIC SINGLE AND THREE PHASE CONTROLS AND WIRING—Continued



52-348

Catalog Number	Product Usage	Description	Voltage Rating	Weight Lbs.		
MAGNETIC CONTROL SWITCH						
49-672	General	Start and Stop Push Button Magnetic Starter Control Switch. Recommended for Remote Control of Magnetic Starters and for Replacement Use.	600 Volts Max.	2		
52-348	General	Start and Stop Push Button Magnetic Starter Control Switch. Includes Box, Cover, Gasket and Mounting Hardware. Recommended for Remote Control of Magnetic Starters and for Replacement Use.	600 Volts Max.	2		
Catalog Number	Product Usage	Description	Maximum HP Rating of Switches			Weight Lbs.
			1 Phase		3 Phase	
			115V AC	230V AC	200-230V AC 460-575V AC	

MAGNETIC STARTERS

These Magnetic Starters Provide Full Voltage or 115 Volt Control. They Offer Low-Voltage, No-Voltage and Accurate Overload Protection for Single and Three Phase Motors. To Insure that Correct Heater Coils are Supplied, Specify Motor No., HP, RPM and Voltage When Ordering. They Are Supplied with a Reset Button Only in the Cover. Separate or Integral Start and Stop Control Station Must be Used. See Page 3 for Switches Recommended—Nos. 15-812, 20-612, 34-892, 49-672 and 49-842.

MAGNETIC SINGLE PHASE STARTERS, FULL VOLTAGE

49-664	General	Magnetic Starter, Size 0, NEMA Type 1 Enclosure, 115/230 Volt, 50/60 Cy. Operating Coil.	1	2	—	—	13
49-844	General	Magnetic Starter, Size 1, NEMA Type 1 Enclosure, 115/230 Volt, 50/60 Cy. Operating Coil.	2	3	—	—	5
49-841	General	Magnetic Starter, Size 1½, NEMA Type 1 Enclosure, 115/230 Volt, 50/60 Cy. Operating Coil.	3	5	—	—	7



49-666

MAGNETIC THREE PHASE STARTERS, FULL VOLTAGE

49-665	General	Magnetic Starter, Size 00, NEMA Type 1 Enclosure, 200-230/460 Volt, 50/60 Cy. Operating Coil.	—	—	1½	2	12
49-666	General	Magnetic Starter, Size 0, NEMA Type 1 Enclosure, 200-230/460 Volt, 50/60 Cy. Operating Coil.	—	—	3	5	14
49-840	General	Magnetic Starter, Size 1, NEMA Type 1 Enclosure, 200-230/460 Volt, 50/60 Cy. Operating Coil.	—	—	7½	10	7
49-698	General	Magnetic Starter, Size 00, NEMA Type 1 Enclosure, 575 Volt, 50/60 Cy. Operating Coil.	—	—	—	2	7

MAGNETIC THREE PHASE STARTERS, 115 VOLT CONTROL

Control Transformers (Page 4) are Required for Starters Listed Below

49-674	General	Magnetic Starter, Size 00, NEMA Type 1 Enclosure, 115 Volt, 50/60 Cy. Operating Coil.	—	—	1½	2	12
49-699	General	Magnetic Starter, Size 0, NEMA Type 1 Enclosure, 115 Volt, 50/60 Cy. Operating Coil.	—	—	3	5	9
49-845	General	Magnetic Starter, Size 1, NEMA Type 1 Enclosure, 115 Volt, 50/60 Cy. Operating Coil.	—	—	7½	10	5
49-667	General	Reversing Magnetic Starter, Size 0, NEMA Type 1 Enclosure, 115 Volt, 50/60 Cy. Operating Coil.	—	—	3	5	27
49-668	General	Reversing Magnetic Starter, Size 00, NEMA Type 1 Enclosure, 115 Volt, 50/60 Cy. Operating Coil.	—	—	1½	2	23

MAGNETIC THREE PHASE STARTER THIRD OVERLOAD RELAY KIT

52-495	Three Phase Magnetic Starters	Rockwell Magnetic Starters Supplied Initially with Two Overloads Can Be Modified to Incorporate the Third Overload by Use of This Kit. Three-Leg Overload Protection is Now Required by the National Electrical Code. Specify Heater No. to Match Your Existing Heaters.	—	—	7½	10	4
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49-357

Catalog Number	Product Usage	Description	Amp Rating				Weight Lbs.
			115V AC	230V AC	200-230V AC	460-575V AC	
WIRING, SINGLE PHASE							
49-357	General	Consists of 8', #16-3 Wire Cable, Type SJ with 3-Prong 115 Volt Grounding Plug.	13	—	—	—	3

ROCKWELL DELTA INDUSTRIAL MACHINES

ROCKWELL DELTA CONTROLS AND WIRING KITS

MAGNETIC SINGLE AND THREE PHASE CONTROLS AND WIRING —Continued

Catalog Number	Product Usage	Description	Amp Rating				Weight Lbs.
			115V AC	230V AC	200-230V AC	460-575V AC	
WIRING, SINGLE PHASE							
49-513	General	Consists of 8', #14-3 Wire Cable, Type S with 3-Prong 115 Volt Grounding Plug.	18	—	—	—	3
49-417	General	Consists of 8', #16-3 Wire Cable, Type SJ with 3-Prong 230 Volt Grounding Plug.	—	13	—	—	2
49-514	General	Consists of 8', #14-3 Wire Cable, Type S with 3-Prong 230 Volt Grounding Plug.	—	18	—	—	3

WIRING, SINGLE AND THREE PHASE

49-315	General	Consists of 3' Long Flexible Conduit with Three #14 Wires and Fittings.	15	15	—	—	1
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Catalog Number	Product Usage	Description	Primary Voltage	Weight Lbs.
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CONTROL TRANSFORMERS

These Transformers Provide 115 Volt Control When Used with Magnetic Starters. They have a Secondary Voltage of 115 Volts; are Rated 50 VA, 60 Cy. They are Supplied with Integral Pipe Nipple for Mounting in Starter Box Knockout.

49-517	General	Control Transformer.	575	2
49-530	General	Control Transformer.	200-230-460	2

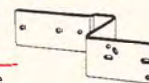


49-530

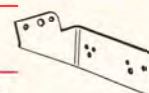
Catalog Number	Product Usage	Description
"JIC" TYPE THREE PHASE CONTROL KIT		
49-000	See Product Page	Consists of Allen-Bradley combination non-reversing, size 1 starter with 60 amp fused disconnect and control transformer in a NEMA type 12 enclosure. Unit is mounted and wired with oil tight conduit and fittings to an oil tight, surface mounted Allen-Bradley start-stop control station and totally enclosed motor. This kit must be ordered in addition to a three phase push button control and magnetic starter (with 115 V transformer) ordered with the machine.

MOUNTING BRACKETS AND COVER FOR CONTROLS

Catalog Number	Product Usage	Description
49-633	See Description	Mounting Bracket for Controls Listed on All 15" or 17" Drill Presses Except on 15" Multiple Spindle Drill Presses where the Center to Center Distance Between Columns is Less Than 13 inches. Used to Mount No. 49-026, 49-027, 49-028 or 49-029 Manual Starter; No. 49-664, 49-665, 49-674 or 49-698 Magnetic Starter or No. 49-669 Overload Switch.
49-638	Ram Type Radial Drill Press	Mounting Bracket for No. 49-664, 49-665, 49-674 or 49-698 Magnetic Starter or No. 49-669 Overload Switch.
49-846	Open Steel Stands	Mounting Bracket for No. 49-026, 49-027, 49-028 or 49-029 Manual Starter; No. 49-664, 49-665, 49-666, 49-674, 49-698, 49-699 or 49-844 Magnetic Starter; No. 49-669 Overload Switch; No. 49-670 or 49-671 Push Button Control Switch.
49-847	See Description	Mounting Bracket for Controls Listed on 15", 8-Spindle Drill Presses, or any 15" Multiple Spindle Drill Press Where the Center to Center Distance Between Columns is Less than 13". Used to Mount No. 49-664, 49-665, 49-674 or 49-698 Magnetic Starter or No. 49-669 Overload Switch.
49-848	10" Unisaw	Mounting Bracket for No. 49-026, 49-027, 49-028 or 49-029 Manual Starter; No. 49-664, 49-665, 49-666, 49-674, 49-698, 49-699 or 49-844 Magnetic Starter, or No. 49-669 Overload Switch.
49-849	Heavy Duty Wood Shaper	Mounting Bracket for No. 49-026, 49-027, 49-028 or 49-029 Manual Starter; No. 49-664, 49-665, 49-666, 49-674, 49-698, 49-699 or 49-844 Magnetic Starter, or No. 49-669 Overload Switch.



49-847



49-848

ROCKWELL DELTA CONTROLS AND WIRING KITS

Machines On Which ROCKWELL DELTA Controls And Wiring Kits May Be Used

Controls Cat. No.	20" D.P.	17" D.P.	15" V56 D.P.	15" 6+6 D.P.	15" Utility D.P.	Ram Type D.P.	14" Super Hi D.P.	Coolant Pumps	12" Cut-Off Mach.	TG-3 Grinder	10" Grinder	7" Std. Grinder	6" Tool Grinder	6" Bench Grinders	Metal Dust Col- lector	½ HP Buffer	Sander Grinder	6" Ab. Belt Fin. Mach.
51-115			X	X	X		X								X		X	X
51-330																	X	
51-331			X	X	X		X											
51-333																		
51-334																		X
15-811			X	X	X													
15-812			X	X	X													
15-813			X	X	X													
20-611	X	X																
20-612	X	X																
20-613	X	X																
34-891																		
34-892																		
34-893																		
49-026	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X
49-027									X									
49-028	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X
49-029	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X
49-312								X										
49-313								X										
49-315	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
49-316																		
49-330										X								
49-331			X	X	X													
49-357			X	X	X	X	X	X		X			X	X	X	X	X	X
49-385										X							X	X
49-410						X												
49-417			X	X	X	X	X	X		X		X	X		X	X	X	X
49-513	X	X									X							
49-514	X	X									X							
49-517	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
49-630	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
49-633		X	X	X	X		X											
49-638						X												
49-664	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X
49-665	X	X	X	X	X	X	X	X		X	X	X	X		X	X	X	X
49-666	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
49-667	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
49-668	X	X	X	X	X	X	X	X		X	X	X	X		X	X	X	X
49-669	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
49-670	X	X	X	X	X	X	X	X		X	X	X				X	X	X
49-671	X	X	X	X	X	X	X	X		X	X	X				X	X	X
49-672	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
49-674	X	X	X	X	X	X	X	X		X	X	X	X		X	X	X	X
49-698	X	X	X	X	X	X	X	X		X	X	X	X		X	X	X	X
49-699	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
49-840	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
49-841									X									
49-842	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
49-844	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
49-845	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
49-846																	X	X
49-847	X	X	X	X	X	X												
49-848																		
49-849																		
52-346	X									X								X
52-347	X									X								X
52-348	X								X	X	X	X				X		X
52-495	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X

ROCKWELL DELTA CONTROLS AND WIRING KITS

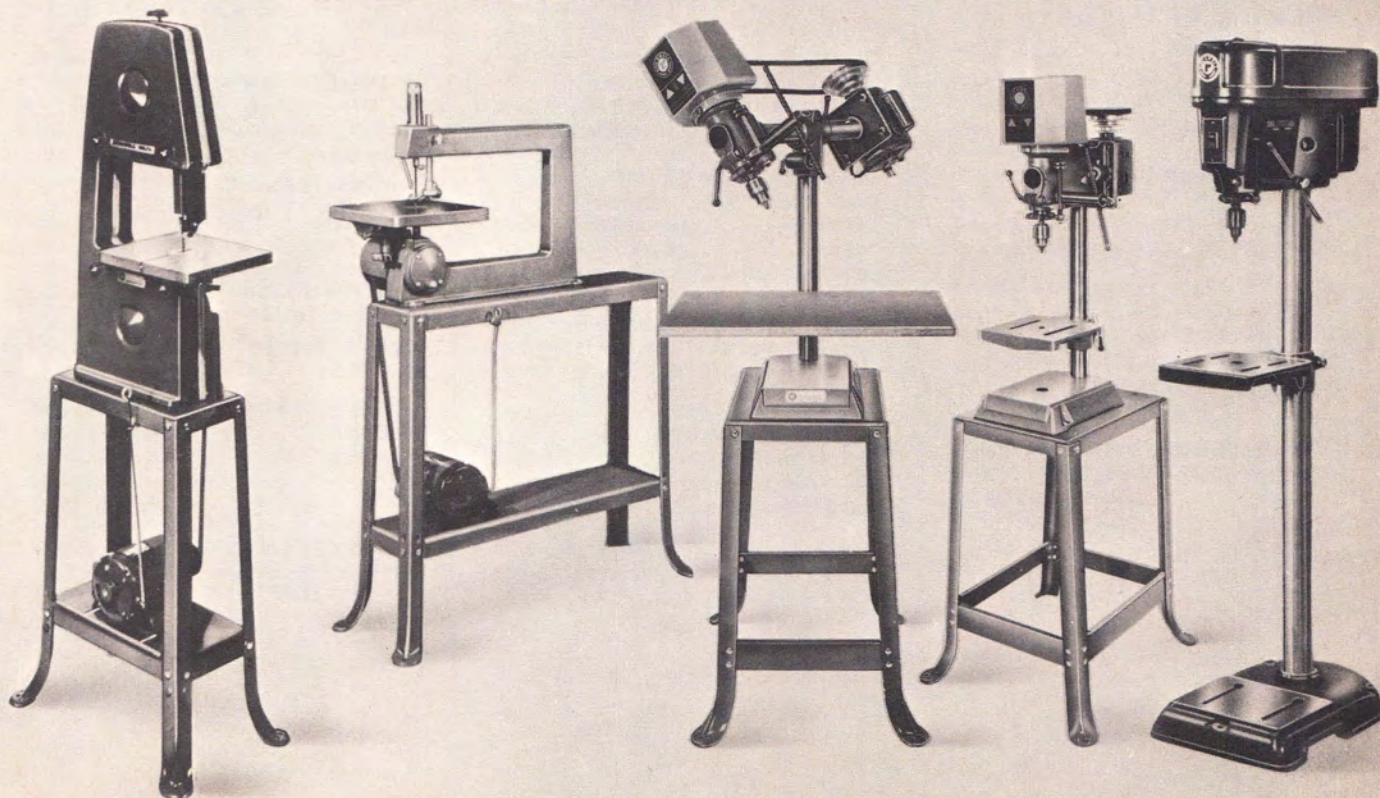
Machines On Which ROCKWELL DELTA Controls And Wiring Kits May Be Used

Controls Cat. No.	12" Ab. Disk Fin. Mach.	Comb. B & D Fin. Mach.	8" Jtr.	6" Jtr.	4" Jtr.	9" Bench Saw	10" Bench Saw	10" Uni- Saw	12"-14" Circ. Saw	9" Saw 4" Jtr. Comb.	14" Band Saw	20" Band Saw	20" Metal Band Saw	13" Planer	18" Planer	Uni- Plane	24" Scroll Saw	Hvy. Duty Wood Shaper	Lt. Duty Wood Shaper	12" Hvy. Duty Wood Lathe	12" Std. Duty Wood Lathe
51-115	X			X							X					X					
51-330																					
51-331																					
51-333				X	X																
51-334											X										
15-811																					
15-812																					
15-813																					
20-611																					
20-612																					
20-613																					
34-891							X														
34-892							X														
34-893							X														
49-026	X	X	X	X	X		X	X	X		X	X	X	X	X	X	X	X	X	X	X
49-027									X					X	X						
49-028	X	X	X	X	X		X	X	X		X	X	X	X	X	X	X	X	X	X	X
49-029	X	X	X	X	X		X	X	X		X	X	X	X	X	X	X	X	X	X	X
49-312																					
49-313					X																
49-315	X	X	X	X	X		X	X	X		X	X	X	X	X	X	X	X	X	X	X
49-316																			X		
49-330																					
49-331					X																
49-357		X		X	X	X	X			X	X					X	X	X	X	X	X
49-385	X	X	X	X	X	X	X	X		X	X					X	X	X		X	X
49-410																					
49-417	X	X	X	X	X	X	X				X					X	X	X	X	X	X
49-513	X	X	X									X	X					X			
49-514	X	X	X					X				X	X					X			
49-517	X	X	X	X	X		X	X	X		X	X	X	X	X	X	X	X		X	X
49-630	X	X	X	X	X		X	X	X		X	X	X	X	X	X	X	X		X	X
49-633																					
49-638																					
49-664	X	X	X	X	X		X	X			X	X	X	X		X	X	X	X	X	X
49-665	X	X	X	X	X		X	X			X	X	X	X		X	X	X	X	X	X
49-666	X	X	X	X	X		X	X	X		X	X	X	X	X	X	X	X	X	X	X
49-667	X	X	X	X	X		X	X	X		X	X	X	X	X	X	X	X	X	X	X
49-668	X	X	X	X	X		X	X			X	X	X	X		X	X	X	X	X	X
49-669	X	X	X	X	X		X	X			X	X	X			X	X	X	X	X	X
49-670	X	X	X	X	X		X	X			X	X	X			X	X	X		X	X
49-671	X	X	X	X	X		X	X	X		X	X	X			X	X	X		X	X
49-672	X	X	X	X	X		X	X	X		X	X	X		X	X	X	X	X	X	X
49-674	X	X	X	X	X		X	X			X	X	X		X	X	X	X	X	X	X
49-698	X	X	X	X	X		X	X			X	X	X	X		X	X	X	X	X	X
49-699	X	X	X	X	X		X	X	X		X	X	X	X	X	X	X	X	X	X	X
49-840	X	X	X	X	X		X	X	X		X	X	X	X	X	X	X	X	X	X	X
49-841									X					X	X						
49-842	X	X	X	X	X			X	X		X	X	X	X	X	X	X	X	X	X	X
49-844	X	X	X	X	X		X	X	X		X	X	X	X	X	X	X	X	X	X	X
49-845	X	X	X	X	X		X	X	X		X	X	X	X	X	X	X	X	X	X	X
49-846	X	X		X	X		X				X						X				
49-847																					
49-848								X													
49-849																		X			
52-346	X	X	X	X			X	X			X	X	X			X		X		X	X
52-347	X	X	X	X			X	X			X	X	X			X		X		X	X
52-348	X	X	X	X			X	X	X		X	X	X	X	X	X	X	X		X	X
52-495	X	X	X	X	X		X	X	X		X	X	X	X	X	X	X	X	X	X	X



the Family of Rockwell Power Tools

from the makers of famous Rockwell Delta Industrial Machines



ROCKWELL POWER TOOLS

Welcome to The Family of Rockwell Power Tools. Built by Rockwell, they are synonymous with a name that stands for quality products for many industries. For example, Rockwell "Engineered-for-Industry" metal lathes, milling machines and grinders are used in industry everywhere. Specified by schools and universities, where quality construction and safe design are paramount, Rockwell Delta Industrial Machines have continued to be the leader throughout the years. Check Rockwell Air Tools. You will find that they are preferred on automotive production lines because they stand up under even the severest operating conditions. Then, there are the contractors' favorite—Rockwell Portable Electric Tools—which outperform all others. They have helped build more than 5,000,000 homes during the past 20 years.

Producing precision industrial tools like these requires a high caliber of engineering and manufacturing know-how. This same competence has been used in producing Rockwell Power Tools—the only complete line of power tools for the home craftsman and do-it-yourselfer.

To make these Rockwell Quality Power Tools even more valuable, Rockwell offers you hundreds of accessories that increase their versatility.

Check with us. We'll offer you the same type of service that matches Rockwell's.

Welcome to The Family of Rockwell Power Tools!

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11" DRILL PRESS

- Four speeds for drilling a variety of materials • Drills to center of 11" circle
- Interchangeable spindles for quick, easy operation changeover • Adjustable depth stop for repetitive and depth drilling • Adjustable 8½ x 9" table with slots and side ledges to facilitate work clamping • Adjustable motor mounting bracket to assure proper belt tension.

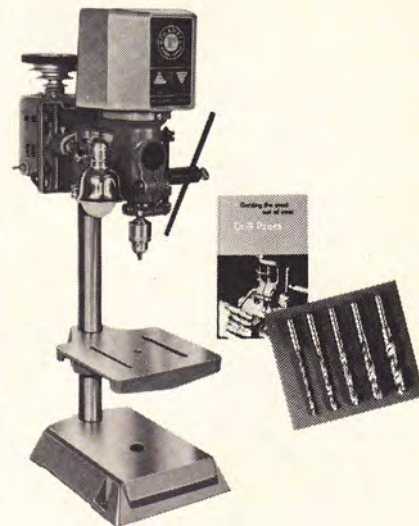
SPECIFICATIONS

Overall Dimensions: Width 11¾"; Front to Rear ... 19"; Height ... 34" (bench model); ... 65½" (on stand)
Table: Size .. 8½ x 9"; Base Size .. 8 x 9¾"
Column: Diameter 1½"
Quill: Travel .. 3½"; Diameter .. 1¾"
Capacities: Diameter Hole in Cast Iron ... ½"; in Steel ... ¾"; Chuck to Base (max.) 14¾"; Chuck to Table (max.) 11"
Spindle Speeds: Using Standard 4-Step Pulleys and 1725 RPM Motor .. 700, 1250, 2400, 4700 RPM

Model 11-100 11" Drill Press. Includes Basic Machine with ½" Capacity Key Chuck and Self-Ejecting Safety Chuck Key, 4-Step Spindle and Motor Pulleys and V-Belt. 75 lbs.

Model 11-069 11" Drill Press With Stand. Includes 11-100 plus 50-821 Stand. Single Package. 129 lbs.

Motor Not Included. For Motors, See Page 8. Ask Us About Complete Line of Drill Press Accessories.



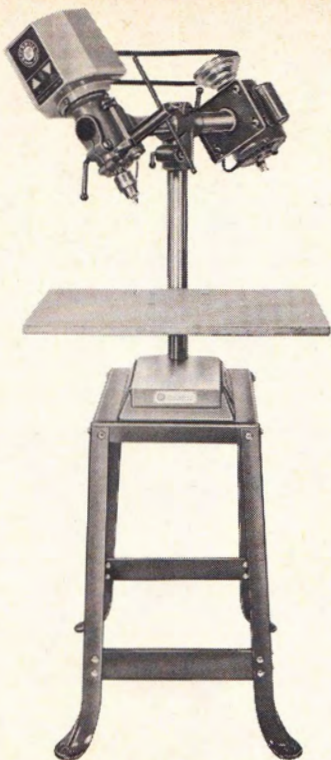
11" DRILL PRESS SPECIAL (Not available after June 30, 1973)

- Special includes 11" drill press, ½ hp motor, lamp attachment, five machine spur bits (¼", ⅜", ½", ⅝", ¾") and fully illustrated operating manual • Four speeds for drilling a variety of materials • Interchangeable spindles for quick, easy operation changeover • Adjustable depth stop • Adjustable 8½ x 9" table with slots and side ledges • Adjustable motor mounting bracket to assure proper belt tension

SPECIFICATIONS

Overall Dimensions: Width 11¾"; Front to Rear 19"; Height 34"
Table: Size 8½ x 9"; Base Size 8 x 9¾"
Column: Diameter 1½"
Quill: Travel .. 3½"; Diameter .. 1¾"
Capacities: Dia. Hole in Cast Iron ½"; in Steel ¾"; Chuck to Base (max.) 14¾"; Chuck to Table (max.) 11"
Spindle Speeds: 700, 1250, 2400 and 4700 RPM

Model 11-073 11" Drill Press Special. Includes 11-100 Drill Press, 60-020 ½ HP Motor, 4-Step Spindle and Motor Pulleys, V-Belt, Lamp Attachment, Five Machine Spur Bits (¼", ⅜", ½", ⅝", ¾"), Self-Ejecting Safety Chuck Key and Illustrated Operating Manual. Single Package. Shpg. Wt. 95 lbs.



RADIAL DRILL PRESS

- Four speeds for drilling a variety of materials • Drills to center of a 32" circle • Interchangeable spindles for quick, easy operation changeover • Degree calibrated angle drilling scale with 90° positive stop • Adjustable depth stop for repetitive and depth drilling • Extra large 23 $\frac{3}{8}$ x 15 $\frac{7}{8}$ " table • Conveniently grouped operating controls.

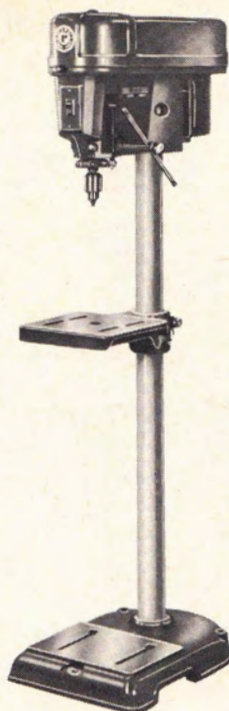
SPECIFICATIONS

Overall Dimensions: Width . . . 24"; Front to rear . . . 30"; Height . . . 33 $\frac{1}{4}$ " (bench model); . . . 64 $\frac{3}{4}$ " (on stand)
Table Size: . . . (Plywood) 23 $\frac{3}{8}$ x 15 $\frac{7}{8}$ "; Base Size . . . 8 x 9 $\frac{3}{4}$ "
Column: Diameter . . . 1 $\frac{1}{8}$ "
Quill: Travel . . . 3 $\frac{5}{8}$ "; Diameter . . . 1 $\frac{1}{4}$ "
Capacities: Diam. Hole in Cast Iron . . . 1 $\frac{1}{2}$ ", in Steel . . . 3 $\frac{3}{8}$ "; Chuck to Base (max.) . . . 14 $\frac{3}{8}$ "; Chuck to Table (max.) . . . 10 $\frac{1}{2}$ "
Spindle Speeds: Using Standard 4-Step Pulleys and 1725 RPM Motor . . . 700, 1250, 2400, 4700 RPM

Model 11-280 Radial Drill Press. Includes Basic Machine with 1 $\frac{1}{2}$ " Capacity Key Chuck and Self-Ejecting Safety Chuck Key, 4-Step Spindle and Motor Pulleys and V-Belt. 84 lbs.

Model 11-269 Radial Drill Press with Stand. Includes 11-280 plus 50-821 Stand. Single Package. 129 lbs.

Motor Not Included. For Motors, See Page 8. Ask Us About Complete Line of Drill Press Accessories.



15" FLOOR MODEL DRILL PRESS

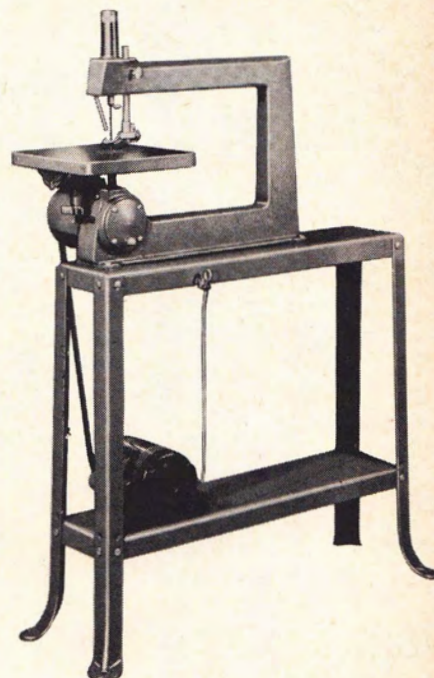
- Full 1 $\frac{1}{2}$ h.p. motor • Four speeds for drilling a variety of materials • Lubricated-for-life ball bearings • Full belt guard for added operator safety • All purpose 10 x 10 $\frac{1}{2}$ " work table with side ledges and slots to clamp work • Pivoting motor mounting plate permits quick belt tension release, fast speed change • Floating spindle drive for efficient torque transmission without belt pull • Adjustable positive locking depth stop • Up front on-off switch.

SPECIFICATIONS

Overall Dimensions: Width . . . 15 $\frac{1}{2}$ "; Front to Rear . . . 22 $\frac{7}{8}$ "; Height . . . 68 $\frac{3}{4}$ "
Table: Size . . . 10 x 10 $\frac{1}{2}$ "; Base Working Surface . . . 8 $\frac{1}{2}$ x 12"
Column: Diameter . . . 2 $\frac{3}{4}$ "
Quill: Travel . . . 4 $\frac{1}{8}$ "; Diameter . . . 2 $\frac{3}{4}$ "
Capacities: Diameter Hole in Cast Iron . . . 1 $\frac{1}{2}$ "; in Steel . . . 3 $\frac{3}{8}$ "; Chuck to Base (max.) . . . 47 $\frac{1}{4}$ "; Chuck to Table (max.) . . . 42 $\frac{5}{8}$ "
Spindle Speeds: Using Standard 4-Step Pulleys and 1725 RPM Motor . . . 680, 1250, 2400, 4600 RPM

Model 15-069 15" Floor Model Drill Press with Motor. Includes Basic Machine with 1 $\frac{1}{2}$ " Capacity Key Chuck and Self-Ejecting Safety Chuck Key, 1 $\frac{1}{2}$ HP Motor with Cord and 3-Prong Plug, On-Off Switch, 4-Step Spindle and Motor Pulleys and V-Belt. Fully Assembled. 152 lbs.

Ask Us About Complete Line of Drill Press Accessories.



16" SCROLL SAW

- Sanding attachment and abrasive sleeves included as standard equipment • Universal V-jaw chuck rotates for unlimited length of cut • Automatic blade tensioning • Big 11 x 11" 45°r. and 15°l. tilting table • Adjustable spring hold-down to securely hold material • Cuts stock up to 2" thick.

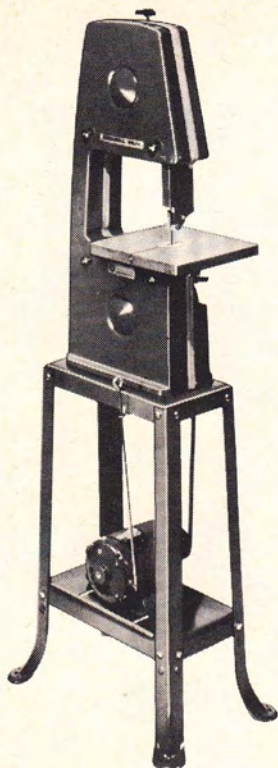
SPECIFICATIONS

Overall Dimensions: Width . . . 12 $\frac{1}{4}$ "; Length . . . 26"; Height . . . 20"
Table: Size . . . 11 x 11"; Tilts . . . 45° right; 15° left; Working Height on Stand . . . 40 $\frac{1}{2}$ "
Capacities: Arm to Blade . . . 16"; Width of Cut . . . 16"; Length of Cut . . . Unlimited; Thickness of Cut . . . 2"
Speed: Using Standard Pulleys and 1725 RPM Motor . . . 1275 CPM

Model 40-102 16" Scroll Saw with Sanding Attachment. Includes Basic Machine with Arbor Pulley and Pulley Guard, (3) Saw Blades, Wrenches plus 40-711 Sanding Attachment and (6) Abrasive Sleeves. 60 lbs.

Model 40-103 16" Scroll Saw with Sanding Attachment and Stand. Includes 40-102 plus 50-717 Stand, 49-025 V-Belt, 41-043 Motor Pulley and 51-330 Switch Rod. Single Package. 109 lbs.

Motor Not Included. For Motors, See Page 8. Ask Us About Complete Line of Scroll Saw Accessories.



10" BAND SAW

- Includes sanding attachment and belts as standard equipment • Sliding blade guard for maximum safety • Ball bearing supported upper and lower guides • Handy blade tensioning and tracking controls • Cuts stock a full 6 1/4" thick • Full 10 x 11" table tilts 45° for bevel cutting.

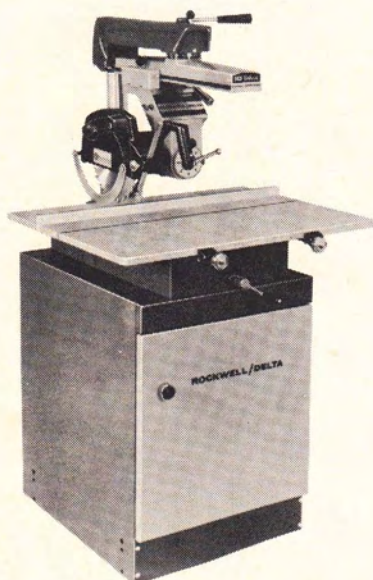
SPECIFICATIONS

Overall Dimensions: Width . . . 18 1/4";
Depth . . . 10 5/8"; Height . . . 33"
Table: Size . . . 10 x 11"; Tilts . . . 45°;
Working Height on Stand . . . 42"
Blade: Length . . . 71 3/4"
Capacities: Frame to Blade . . . 9 5/8";
Thickness of Cut . . . 6 1/4"
Speed: Using Standard Pulleys and
1725 RPM Motor . . . 2400 FPM

Model 28-113 10" Band Saw with Sanding Attachment. Includes Basic Machine with Arbor Pulley and Band Saw Blade plus 28-810 Sanding Attachment and (5) Abrasive Belts. 58 lbs.

Model 28-112 10" Band Saw with Sanding Attachment and Stand. Includes 28-113 plus 50-328 Stand, 49-130 V-Belt, 41-033 Motor Pulley and 51-334 Switch Rod, Single Package. 95 lbs.

Motor Not Included. For Motors, See Page 8. Ask Us About Complete Line of Band Saw Accessories.



10" DELUXE RADIAL SAW

- Exclusive "up-front" ripping for maximum user safety • Complete blade guarding with anti-kickback attachment for added safety • Famous "Turret Arm" action for "on-table" cutting • Adjustable "Micro-set" stops at 90° and 45° right and left • Built-in mechanical blade brake • On-off switch with key lock • Dual shaft motor for extra versatility.

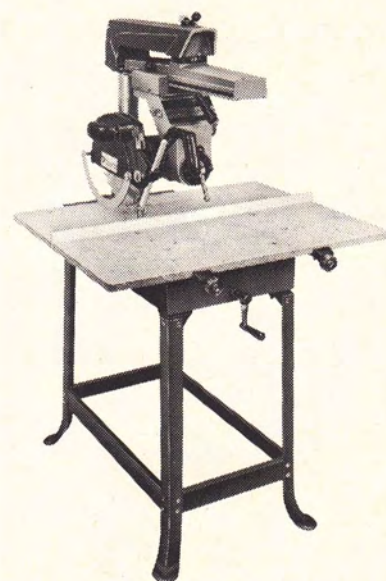
SPECIFICATIONS

Overall Dimensions: Width . . . 32";
Depth . . . 33 1/2"; Height . . . 27"
Motor: Rating . . . 11 Amp, 115 V, 60 Hz,
1-Phase, AC; Speed . . . 3450 RPM
Table: Size . . . 31 3/4 x 24 1/4"; Working
Height on Stand . . . 37"
Blade: Diameter . . . 10"; Arbor . . . 5/8"—
18 L.H.; 3/8"—24 R.H. (rear shaft)
Positive Stops: Bevel . . . 0°, 45° & 90°;
Miter . . . 90° and 45° r. & l.
Capacities: Depth of Cut . . . 3" at 90°;
2" at 45°; Cross-cut . . . 14"; Rip . . . 24"

Model 33-267 10" Deluxe Radial Saw. Includes Basic Machine with Motor, Cord and 3-Prong Plug, 10" Saw Blade with Wrenches, Upper Guard with Anti-Kickback Attachment and Lower Retractable Leaf Guard. 200 lbs.

Model 33-268 10" Deluxe Radial Saw with Stand. Includes 33-267 plus 50-120 Cabinet-Type Stand. 278 lbs.

Ask Us About Complete Line of Radial Saw Accessories. For 12" Radial Saw, See Section 14.



10" RADIAL SAW
(Not available after June 30, 1973)

- Exclusive "up-front" ripping for maximum user safety • Complete blade guarding with anti-kickback attachment for added safety • Famous "Turret Arm" action for "on-table" cutting • Adjustable "Micro-set" stops at 90° and 45° right and left • Built-in mechanical blade brake • Convenient on-off switch • Dual shaft motor for extra versatility.

SPECIFICATIONS

Overall Dimensions: Width . . . 32";
Depth . . . 33 1/2"; Height . . . 27"
Motor: Rating . . . 11 Amp, 115 V, 60 Hz,
1-Phase, AC; Speed . . . 3450 RPM
Table: Size . . . 31 3/4 x 24 1/4";
Working Height on Stand . . . 37"
Blade: Diameter . . . 10";
Arbor . . . 5/8"—18 L.H.;
3/8"—24 R.H. (rear shaft)
Positive Stops: Bevel . . . 0°, 45° & 90°;
Miter . . . 90° and 45° r. & l.
Capacities: Depth of Cut . . . 3" at 90°;
2" at 45°; Cross-cut . . . 14";
Rip . . . 24"

Model 33-205 10" Radial Saw. Includes Basic Machine with Motor, Cord and 3-Prong Plug, 10" Blade with Wrenches, Upper Guard with Anti-Kickback Attachment and Lower Retractable Leaf Guard, and Steel Stand. Single Package. Shpg. Wt. 214 lbs.



9" MOTORIZED SAW

- Powerful, thermal overload protected motor develops full 2.0 h.p. • Big 24" rip capacity • Centralized finger-tip blade controls • Fully enclosed drive mechanism • Self-aligning rip fence with up-front controls • Sealed ball bearing construction • "See-thru" blade guard with splitter and anti-kickback attachment.

SPECIFICATIONS

Overall Dimensions: Width34"; Depth30"; Height16"

Table: Size22 x 16"; 22 x 23½" (with one extension); In Front of Blade12"; Working Height on Stand33½"

Blade: Diameter9"; Arbor5/8"

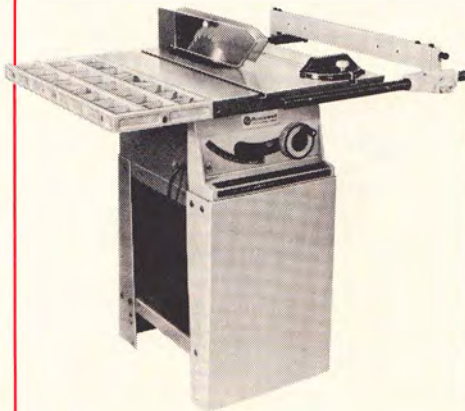
Motor: Rating11 Amp, 115 V, 60 Hz, 1-Phase, AC-DC; Speed6000 RPM

Capacities: Depth of Cut27/8"; 2½" at 45°; Rip24" (r. & l. of blade)

Model 34-653 9" Motorized Saw. Includes Basic Machine with Drive Belt, Motor and Arbor Pulleys, Motor with Thermal Overload Protector, On-Off Switch, Cord with 3-Prong Plug, Rip Fence, Guide Bars, Table Insert, Miter Gauge, 9" Saw Blade with Wrenches and Blade Guard with Splitter and Anti-Kickback Attachment. 81 lbs.

Model 34-654 9" Motorized Saw with Extension Wing and Stand. Includes 34-653 plus 50-108 Stand and 34-601 Table Extension Wing. Single Package. 122 lbs.

Ask Us About Complete Line of Circular Saw Accessories.



10" MOTORIZED SAW

- Powerful, thermal overload protected motor develops full 2.5 h.p. • Big 24" rip capacity • Centralized finger-tip blade controls • Fully enclosed drive mechanism • Self-aligning rip fence with up-front controls • Sealed ball bearing construction • "See-thru" blade guard with splitter and anti-kickback attachment.

SPECIFICATIONS

Overall Dimensions: Width37"; Depth30"; Height16"

Table: Size27 x 20"; 27 x 30" (with extension); In Front of Blade16"; Working Height on Stand33½"

Blade: Diameter10"; Arbor5/8"

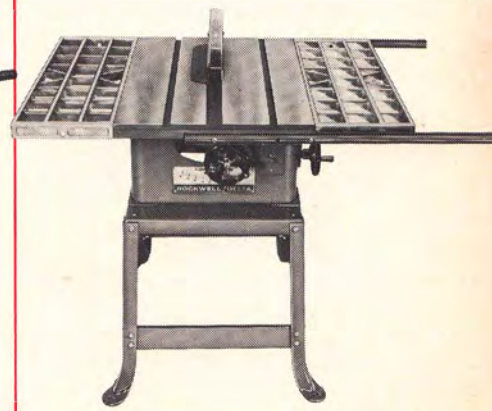
Motor: Rating13 Amp, 115 V, 60 Hz, 1-Phase, AC-DC; Speed6000 RPM

Capacities: Depth of Cut3¼"; 2½" at 45°; Rip24" (r. & l. of blade)

Model 34-335 10" Motorized Saw. Includes Basic Machine, Motor with Thermal Overload Protector, On-Off Switch, Cord with 3-Prong Plug, Drive Belt, Motor and Arbor Pulleys, Rip Fence, Guide Bars, Table Insert, Miter Gauge, 10" Saw Blade with Wrenches and Blade Guard with Splitter and Anti-Kickback Attachment. 121 lbs.

Model 34-336 10" Motorized Saw with Extension Wing and Stand. Includes 34-335 plus 50-108 Stand and 34-862 Table Extension Wing. Single Package. 180 lbs.

Ask Us About Complete Line of Circular Saw Accessories.



10" CONTRACTORS' SAW

- Includes stand and extension wings as standard equipment • "See-thru" blade guard with splitter and anti-kickback attachment • Unique 24" rip capacity right or left of blade • Lubricated-for-life ball bearing construction • Up-front controls • Self-aligning rip fence • Extra-large 40" x 27" table.

SPECIFICATIONS

Overall Dimensions: Width37"; Depth30"; Height16¾"

Table: Size40 x 27" (with extensions); In Front of Blade12¼"; Working Height on Stand33½"

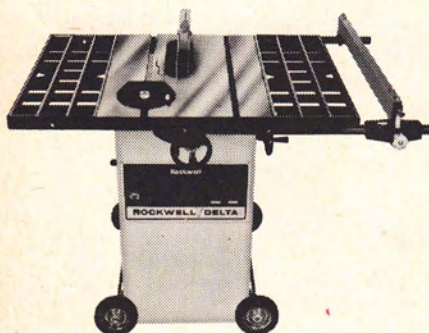
Blade: Diameter10"; Arbor5/8"

Capacities: Depth of Cut3¾"; 2½" at 45°; Rip24" (r. & l. of blade)

Speed: Using Standard Pulleys and 3450 RPM Motor4000 RPM

Model 34-338 10" Contractors' Saw with Extension Wings and Stand. Includes Basic Machine, Blade Guard with Splitter and Anti-Kickback Attachment, Rip Fence, Guide Bars, Miter Gauge, 10" Saw Blade and Wrenches, Table Insert, Arbor and Motor Pulleys, V-Belt, Table Extension Wings and Stand. Single Package. 253 lbs.

Motor Not Included. For Motors, See Page 8. Ask Us About Complete Line of Circular Saw Accessories.



10" DELUXE CONTRACTORS' SAW

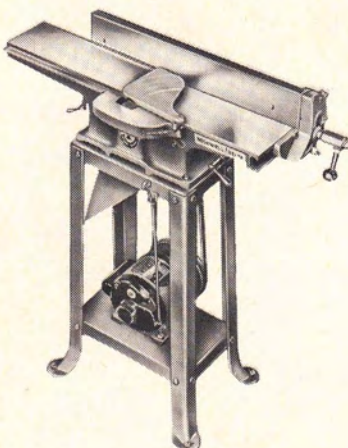
- Includes stand, two extension wings and miter gauge • "See-thru" blade guard with splitter and anti-kickback attachment • Unique 24" rip capacity right or left of blade • Lubricated-for-life ball bearing construction • Up-front controls • Self-aligning rip fence • Extra-large table • Totally enclosed motor • Miter gauge and fence holders

SPECIFICATIONS

Overall Dimensions: Width37"; Depth30"; Height16¾"
Table: Size40 x 27" (with extensions); In Front of Blade12¼"; Working Height on Stand33½"
Blade: Diameter ...10"; Arbor ...⅝"
Capacities: Depth of Cut ...3⅞"; 2⅞" at 45°; Rip24" (r. & l. of blade)
Speed: Using Standard Pulleys and 3450 RPM Motor4000 RPM

Model 34-341 10" Deluxe Contractors' Saw with Extension Wings and Stand. Includes Basic Machine Blade Guard with Splitter and Anti-Kickback Attachment, Rip Fence, Guide Bars, Miter Gauge, 10" Blade and Wrenches, Table Insert, Arbor and Motor Pulleys, V-Belt, Two Table Extension Wings and Stand. Single Package. Shpg. Wt. 170 lbs.

Motor and Wheel Set Not Included. For Motors, See Page 8. Ask Us About Complete Line of Circular Saw Accessories.



4" DELUXE JOINTER

- Exclusive single-control handle to simplify fence adjustments with positive stops at 90° and most-used 45° r. & l. tilt positions • Cartridge-type, 3-knife cutterhead with precision ground and balanced high speed steel knives • Guarded cutterhead • Lubricated-for-life ball bearing construction • Independently adjustable front and rear tables • Adjustable gibbed, dovetail ways to compensate for wear.

SPECIFICATIONS

Overall Dimensions: Width12"; Length32"; Height9½" (bench model); ...38½" (floor model)
Table: Size5¼ x 27¼"
Fence: Size3¼ x 21½"
 Tilt45° r. & l.; Positive Stops90°, 45° r. & l.
Cutterhead: No. of Knives3; Cutting Circle2" Diameter
Capacities: Width of Cut4"; Depth of Cut¼"; Rabbet¼ x 4"
Speed: Using Standard Pulleys and 1725 RPM Motor4200 RPM

Model 37-290 4" Deluxe Jointer. Includes Basic Machine, Fence with Dual-Control Handle, 3-Knife Cutterhead, Guard and Pulley. Carton Size: 13" x 28" x 9". Shpg. Wt. 72 lbs.

Model 37-269 4" Deluxe Jointer with Stand and Dust Chute. Includes 37-290 plus 50-329 Stand, 50-801 Dust Chute, 49-560 V-Belt, 41-113 Motor Pulley and 51-333 Switch Rod. Carton Size: 15" x 31" x 17". Shpg. Wt. 109 lbs.

Motor Not Included. For Motors, See Page 8. Ask Us About Complete Line of Jointer Accessories.



14/11 LATHE

- Handles stock 14" in diameter x 3" over bed gap; 11" diameter x 36" over bed • Lubricated-for-life ball bearing headstock spindle • Built-in indexing mechanism for quick division of spindle and face plate work • One-piece cast iron bed with full 1½" ground ways • Universal type tool support • Graduated tailstock ram for drilling and boring operations.

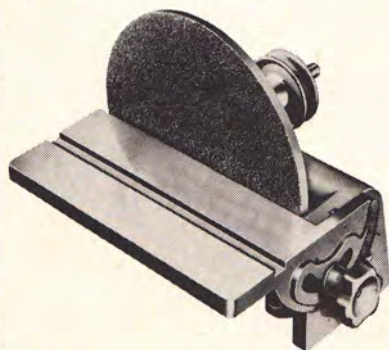
SPECIFICATIONS

Overall Dimensions: Width7¾"; Length57"; Height12"
 Working Center Height on Bench ..41"
Capacity: Swing14 x 3" wide (over gap);11" (over bed); Between Centers36"
Spindle: Diameter ...1¼"; Hole ...#2 MT ⅝"; Thread1"-8 Thrds./In. RH (inboard); 1"-8 Thrds./In. LH (outboard)
Ram: Hole ...#2 MT; Travel ...2¼"
Speeds: Using Standard 4-Step Pulleys and 1725 RPM Motor990, 1475, 2220, 3250 RPM

Model 46-111 14/11 Wood Lathe. Includes Basic Machine with 4-Step Spindle Pulley, Drive and Cup Centers, 3" Face Plate, 6" Offset, 4" and 12" Tool Rests, Tool Rest Base and Wrenches. 92 lbs.

Model 46-369 14/11 Wood Lathe with Bench. Includes 46-111 plus 50-146 Bench, 49-237 Switch Rod, 41-733 4-Step Motor Pulley and 49-146 V-Belt. 204 lbs.

Motor Not Included. For Motors, See Page 8. Ask Us About Complete Line of Wood Lathe Accessories.



8½" DISC SANDER

- Balanced 8½" diameter sanding disc
- Full 4½ x 9½" tilting table • Accurately calibrated scale to simplify table tilt settings • ½" outboard shaft for mounting accessory sanding drums, drill chuck, wire and fiber wheels • Bronze bearing construction.

SPECIFICATIONS

Overall Dimensions: Depth10"
Width11½"; Height8¾"

Disc: Diameter8½"

Shaft: Diameter½"

Table: Size4½ x 9½";
Tilts ...35° (forward) and 45° (away from disc)

Speed: Using Standard Pulleys and
1725 RPM Motor1080 RPM

Model 31-200 8½" Disc Sander. Includes Basic Machine, Arbor Pulley, Abrasive Disc and Disc Adhesive. 19 lbs.

No. 41-023 Motor Pulley. 2½" Diameter, ⅝" Bore.

No. 49-354 (old 453) V-Belt, 47⅝" O.C.

Motor and V-Belt Not Included. For Motors, See Page 8. Ask Us About Complete Line of Sander Accessories.



SPECIAL 10 GALLON CAPACITY VACUUM CLEANER

- Durable steel collector drum • Full 5.2 amp motor • Handy carrying handle
- Extra-large 2½" diameter x 6' hose
- Includes rectangular nozzle, set of extension tubes, floor brush, crevice tool, round elbow brush and 2-way dolly for mobility as standard equipment.

SPECIFICATIONS

Overall Dimensions:

Diameter15"; Height17"

Hose: Diameter ...2½"; Length ...6'

Capacity:10 gallon

Motor: Rating .5.2 Amp, 115 V, AC-DC
For Dry Pick-Up Only

Model 49-246 Special 10 Gallon Capacity Vacuum Cleaner. Includes Motor, Switch, Cord and 3-Prong Plug, Filter Bag, 10 Gallon Collector Drum, 2½" Diameter x 6' Hose, Floor Brush, Crevice Tool, Round Elbow Brush, Set of Extension Tubes, Rectangular Nozzle and 2-Way Dolly for mobility. 26 lbs.

VACUUM CLEANER ACCESSORIES

CASTER SET

For vacuum cleaner mobility.

No. 49-248. For Model 49-246



[A] SET OF EXTENSION TUBES

No. 49-226. For floor cleaning. 2½" diameter x 45"

[B] HOSE COUPLING

No. 49-228. For connecting two 6-foot lengths of 2½" diameter hose

[C] HOSE

No. 49-229. 2½" diameter x 6'. Replacement for standard hose or for use as extension (with coupling)

[D] 90° ELBOW

No. 49-230. 2½" diameter

[E] 14" FLOOR BRUSH

No. 49-231. 2½" diameter

ROUND ELBOW BRUSH

No. 49-250. 2½" diameter

CREVICE TOOL

No. 49-247. 2½" diameter

FLANGE

No. 49-233. 2½" diameter. For making your own attachments for your power tools

ACCESSORY PACKS

No. 49-241. Includes set of extension tubes, crevice tool and 14" floor brush (all 2½" diameter) for direct mounting to 2½" diameter hose equipped cleaners

No. 49-249. Includes round elbow brush, crevice tool, fan tail (all 1¼" diameter) plus adapter for mounting to 2½" diameter hose equipped cleaners

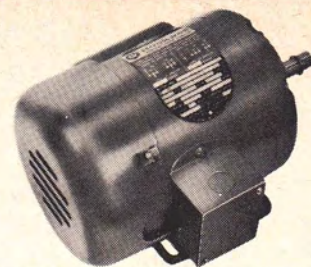
FILTER BAGS

No. 49-243. Package of 5

ROCKWELL POWER TOOLS

MOTORS & CONTROLS

MOTORS. Designed specifically for Rockwell Power Tools. All comply with or exceed the motor manufacturing power standards established by the National Electrical Manufacturing Association (NEMA). All feature guarded drip-proof enclosures, lubricated-for-life ball bearings and are supplied with a single pole, single throw switch (with provisions for switch rod), cord and plug unless otherwise noted.



RECOMMENDED FOR USE ON	NO.	HP	DUTY	RPM	TYPE	VOLTS & HERTZ	SHAFT SIZE	WT. (LBS.)
11" Drill Press	62-653 (1)	1/2	H.D. (Ball Bearings)	1725	Capacitor Start	115V, 60 Hz	5/8" Double	27
Radial Drill Press	62-413 (1)	1/3	H.D. (Ball Bearings)	1725	Capacitor Start	115V, 60 Hz	5/8" Single	22
4" Jointers	60-220	1/2	Std. (Sleeve Bearings)	1725	Split Phase	115V, 60 Hz	5/8" Single(5)	28
10" Band Saw	60-020	1/3	Std. (Sleeve Bearings)	1725	Split Phase	115V, 60 Hz	5/8" Single(5)	16
Sander/Grinder	62-660 (7)	1/2	H.D. (Ball Bearings)	3450	Capacitor Start	115/230V, 60 Hz	5/8" Single	28
	60-050 (1)	1/2	Std. (Sleeve Bearings)	3450	Split Phase	115V, 60 Hz	5/8" Single(5)	25
10" Contractors Saw	62-762 (3)(8)	1 1/2	H.D. (Ball Bearings)	3450	Capacitor Start	115/230V, 60 Hz	5/8" Single	42
	62-761 (1)(2)	1	H.D. (Ball Bearings)	3450	Capacitor Start	115V, 60 Hz	5/8" Single	25
9" Builders Saw	62-273 (1)(2)	1	H.D. (Ball Bearings)	3450	Capacitor Start	115V, 60 Hz	5/8" Double	31
Saw/Jointer Combination	62-253 (1)(2)	3/4	H.D. (Ball Bearings)	3450	Capacitor Start	115V, 60 Hz	5/8" Double	34
6" Jointer	62-653 (1)	1/2	H.D. (Ball Bearings)	1725	Capacitor Start	115V, 60 Hz	5/8" Double	27
	62-030 (6)(8)	1/2	H.D. (Ball Bearings)	1725	Capacitor Start	115/230V, 60 Hz	5/8" Single	30
Shaper	62-003 (4)(8)	1	H.D. (Ball Bearings)	3450	Capacitor Start	115/230V, 60 Hz	5/8" Single	46
	62-213 (9)	1/2	H.D. (Ball Bearings)	3450	Capacitor Start	115V, 60 Hz	5/8" Single	22
Wood Lathe	62-653 (1)	1/2	H.D. (Ball Bearings)	1725	Capacitor Start	115V, 60 Hz	5/8" Double	27
8 1/2" Disc Sander	62-413 (1)	1/3	H.D. (Ball Bearings)	1725	Capacitor Start	115V, 60 Hz	5/8" Single	22
	60-020	1/3	Std. (Sleeve Bearings)	1725	Split Phase	115V, 60 Hz	5/8" Single(5)	16
Model 34-341	52-493 (1)(10)	1	H.D. (Ball Bearings)	3450	Capacitor Start	115V, 60Hz	5/8" Single	32
10" Saw	52-494 (1)(10)	1 1/2	H.D. (Ball Bearings)	3450	Capacitor Start	115V, 60Hz	5/8" Single	42

(1) With integral, manual reset and thermal overload protection.

(2) SPST switch wired for remote control. Supplied with cord set.

(3) DPST switch wired for remote control. Supplied with cord set.

(4) With integral reversing switch, less control switch, cord and plug.

Order separately (49-357 and 52-346).

(5) 1/2" motor shaft supplied with 5/8" bushing.

(6) SPST switch wired for remote control. Supplied with cord set and mounting plate.

(7) With double pole, single throw switch (with provisions for switch rod).

(8) Totally enclosed, fan cooled enclosure.

(9) Less switch. Order separately (49-316). Cord set supplied with motor.

(10) Cord set and adapter plug for switch included.

ROCKWELL INSTRUCTION BOOKS make it easy to get the most value out of each power tool.

Each durable, hardbound book contains 120 pages and over 250 easy-to-follow illustrations covering completely the safe operation of the tool and the many different jobs it will do.

- No. 4700 Drill Press\$2.00
- No. 4701 Saw and Jointer\$2.00
- No. 4702 Abrasive Tool\$2.00
- No. 4703 Lathe\$2.00
- No. 4704 Shaper\$2.00
- No. 4705 Band and Scroll Saw ..\$2.00
- No. 4706 Radial Saw\$2.00
- No. 4710 Things to Make\$2.00
- No. 4711 Practical Finishing\$2.00
- No. 4712 One Evening Projects ..\$2.00
- No. 4713 Projects for Outdoor Living\$2.00
- No. 4714 The Rockwell Router ..\$2.00

DEALER NOTE: Rockwell Instruction Books are not stocked at the factory or warehouses and instead must be ordered from the Rockwell Mfg. Co. Power Tool Div. Advertising Dept., 400 N. Lexington Avenue, Pittsburgh, Pa. 15208. Minimum order of 4 books, any titles.



A better grinder
that also sands.

A better sander
that also grinds.



New Rockwell Delta 7" Grinder/Sander

A versatile 2-in-1 machine, with LVC 24-volt controls, that SAVES TIME, SAVES SPACE, SAVES COST!

"ENGINEERED FOR INDUSTRY"

A. Exclusive Rockwell LVC 24-Volt Safety Control System. Only the New Rockwell Delta 7" Grinder/Sander offers a low 24 volts at the push button station for extra operator safety. Magnetic control system provides on-off control, low voltage, no voltage (when power is interrupted, machine can be started only by pressing start button), and motor overload protection. On three phase systems, overload protection is provided on all three legs. LVC available on pedestal models only.

B. Patented Twin-Lite® Safety Shield. Designed to operate independently of the shop lighting system, it has no equal. Double strength, shatterproof glass safeguards operator's eyes. Special spring clips prevent rattle. Bayonet type bulbs stay tight and are shielded to prevent glare. Ideally placed, they throw a full flood of light on both sides and face of wheel without casting any shadow.

C. Precision Ground Tool Rest. Fully machined tool rest has a single mounting screw that locks it rigidly in place, yet rest may be quickly removed for accessory attachments. Rest adjusts for exact grinding angle desired. Special ledges permit grinding on both sides as well as face of grinding wheel. Note convenient location of water pot.

D. Advanced Safety Features. An unmatched combination of safety features makes the Rockwell Delta 7" Grinder/Sander

the safest on the market. Shatterproof glass in eyeshield, heavy cast iron guards with integral dust chutes, removable steel side plate, and adjustable spark deflector provide maximum operator safety.

E. Belt Tracking Control. Knurled knob has fine thread adjustment for fast, easy belt tracking, also holds setting firmly in place.

F. Spring-Loaded Belt Tensioner. Changing belts is a simple operation—just remove guard, depress spring-loaded tensioner, and replace belt. Tensioner applies the proper amount of tension on sanding belt for smooth operating performance.

G. Adjustable Sanding Rest. Large work support for sanding may be adjusted in or out, also tilted for exact angle desired.

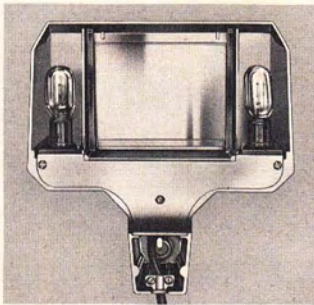
H. Sanding Rest Doubles As A Back Stop. When finishing flat work, sanding rest can be used as a back stop to prevent work from being carried along with the belt.

I. Large, Husky Platen. Ruggedly built 2 $\frac{1}{8}$ " x 5 $\frac{5}{8}$ " platen provides firm sanding belt support over a large area. Platen is especially helpful when doing work that requires heavy pressure on belt.

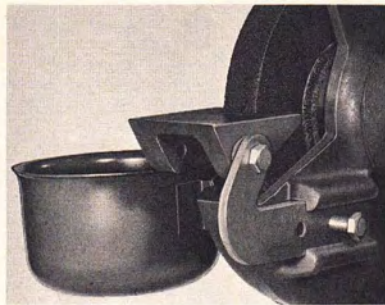
J. Quickly Removed Contact Wheel Guard. When use of the contact wheel is required for contour or heavy duty sanding, belt guard can be quickly removed simply by loosening two screws.



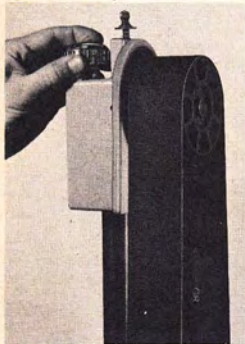
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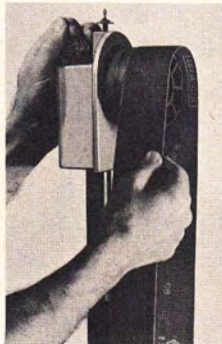
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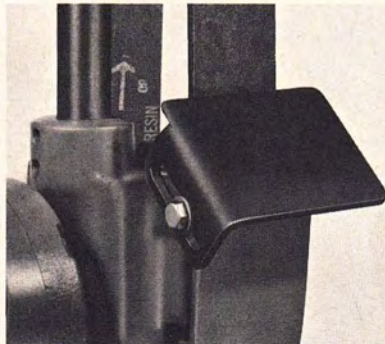
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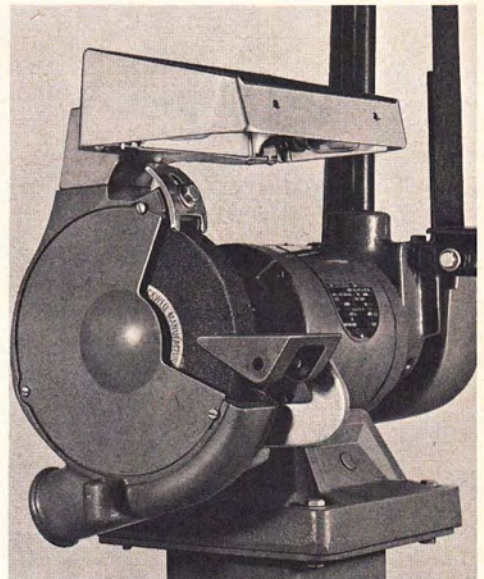
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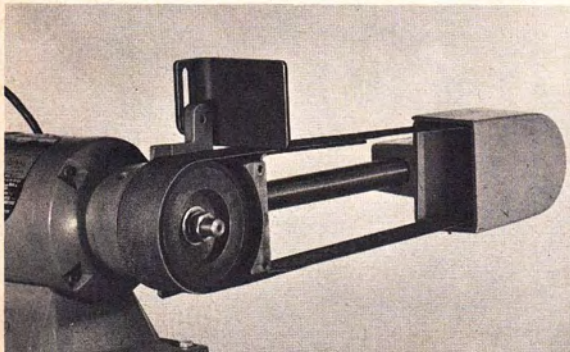
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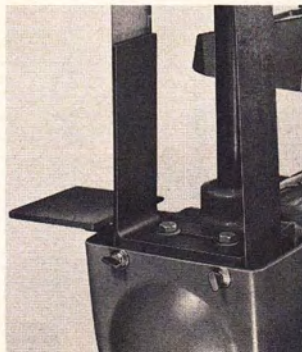
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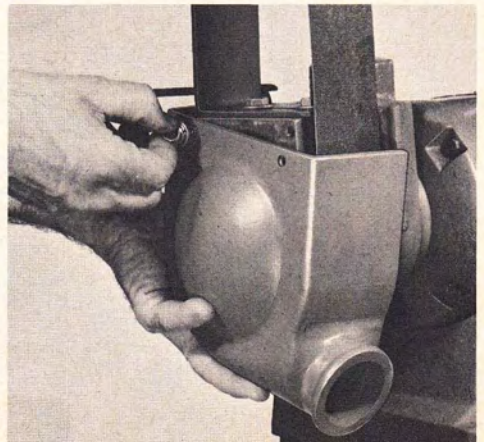
D.



H.



I.



J.



MACHINE DATA

Motor:

Horsepower 1/2
Shaft Diameter 5/8" (15.88 mm)
Frame Diameter 5 23/32" (145.26 mm)

All Motors, Except 200V, Are Dual Voltage With Reconnectable Feature. Single Phase Motors Are Capacitor Start Type.

Grinder Wheel:

Diameter	..... 7" (178 mm)
Face	..... 1" (25.4 mm)
Hole	..... 5/8" (15.88 mm)

Contact Wheel:

Diameter	..... 4 1/2" (114 mm)
Face	..... 2" (50.8 mm)
Hole	..... .670 (17 mm)

Belt:

Width	..... 2" (50.8 mm)
Length	..... 48" (1219 mm)
Speed	..... 4100 sfpm (2082 cm/sec)

Bench Type:

Base	..... 8 1/2" x 8 1/2" (216 x 216 mm)
Width	..... 21" (533 mm)
Depth (Belt Vertical)	..... 11" (279 mm)
(Belt Horizontal)	..... 27" (686 mm)
Height (Belt Vertical)	..... 27 3/8" (695 mm)
(Belt Horizontal)	..... 13 3/4" (349 mm)
Grinder Tool Rest From Base	..... 6 5/8" (168 mm)
Sander Tool Rest From Base	..... 9 3/4" (248 mm)
Sander Platen From Base (Belt Horiz.)	..... 8 1/2" (216 mm)

Pedestal Type:

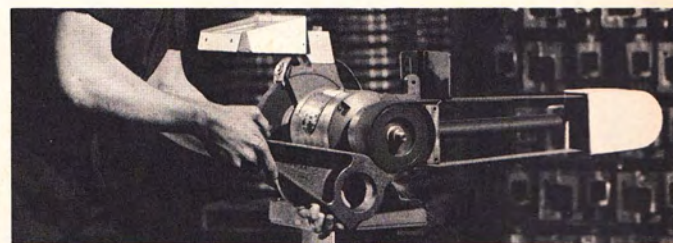
Base	..... 14 1/4" x 16" (362 x 406 mm)
Width	..... 21" (533 mm)
Depth (Belt Vertical)	..... 11" (279 mm)
(Belt Horizontal)	..... 27" (686 mm)
Height (Belt Vertical)	..... 60 5/8" (1540 mm)
(Belt Horizontal)	..... 47" (1194 mm)
Grinder Tool Rest From Base	..... 39 3/8" (1013 mm)
Sander Tool Rest From Base	..... 43" (1092 mm)
Sander Platen From Base (Belt Horiz.)	..... 41 3/4" (1060 mm)

Platen:

Width	..... 2 1/8" (54 mm)
Length	..... 5 1/2" (140 mm)

Weight:

Bench Model	..... 100 Lbs. (45 kg)
Pedestal/Sander w/LVC	..... 148 Lbs. (67 kg)
Pedestal/Sander w/Toggle Switch	..... 143 Lbs. (64 kg)



Here's a really versatile combination—the famous Rockwell Delta 7" Standard Grinder combined with a New 2" x 48" Belt Sander.

Designed for "time saving" performance, this new machine is well suited for all types of users—metal shops, wood shops, foundries, garages, schools or wherever grinding, sanding or finishing is required.

With the 7" grinder you can remove stock... snag... sharpen tool bits... shape parts... clean rust and scale and do dozens of additional jobs. With the 2" x 48" belt sander you can sand to a line... deburr parts or pieces... contour a shape... finish for painting or plating... polish finished products... sharpen cutting edges... clean intricate parts... and handle many other operations.

The wide versatility of the New Rockwell Delta 7" Grinder/Sander, together with its many excellent features, makes it a valuable addition to any shop.

Stop and let us show you this big performer in action today!

STANDARD EQUIPMENT

Grinder/Sanders are furnished with a water pot; Twin Lite® safety shield; wheel guards; tool rests; one 46G, Grade M, aluminum oxide wheel; one rubber contact wheel, and one 2" x 48", 80G, aluminum oxide belt.

Note: Two No. 23-280 Lamp Bulbs must be ordered separately.

CATALOG LISTING

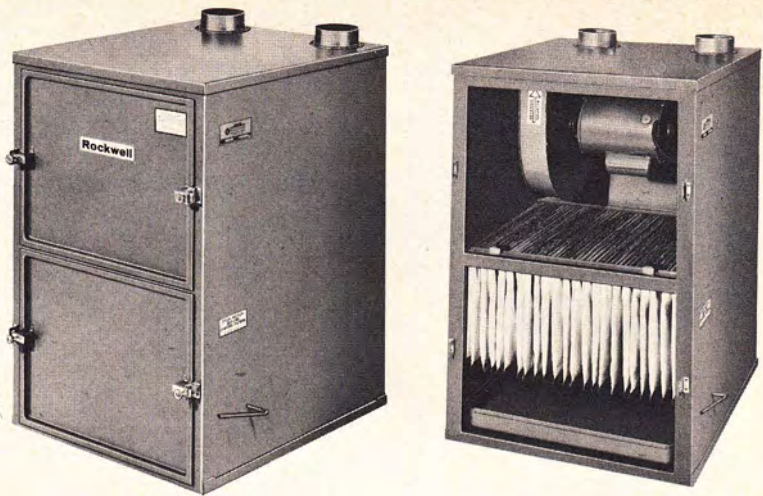
COMPLETE 7" GRINDER/SANDER, Bench or Pedestal Mounted, With Motor and Controls Factory Mounted and Wired as Specified Below

MOTOR	MOTOR CONTROL	MOTOR ENCLOSURE	HERTZ AND MOTOR RPM	MOTOR VOLTAGE	TYPE	SHIPPING WT. LBS.	CAT. NO.	CAT. NO. 200 V
Single Phase 1/2 Horsepower	*On-Off Toggle Switch	TENV	60-3450	115/230	Bench	100	23-570	
	*On-Off Toggle Switch	TENV	60-3450	115/230	Pedestal	143	23-566	
	*24 V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TENV	60-3450	115/230	Pedestal	148	23-567	
Three Phase 1/2 Horsepower	None—Separate Toggle Switch Furnished for Twin Lite	TENV	60-3450	230/460	Bench	100	23-568	23-571
	24 V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC). Separate Toggle Switch Furnished for Twin Lite.	TENV	60-3450	230/460	Pedestal	148	23-569	23-572

*Motor Control Switch also operates Twin Lite.

NOTE: Single phase electricals will be supplied wired for 115 V, unless 230 V is specified. Three phase electricals will be supplied wired for 230

V, unless 460 V is specified. Power Cord and Plug supplied for single phase only.



NEW ROCKWELL "HIGH EFFICIENCY" DUST COLLECTORS

Provide Filtering Efficiencies to Help You Comply With O.S.H.A. Standards

Protect workers' health, safeguard machinery, and reduce maintenance costs with Rockwell "High Efficiency" Dust Collectors. They are capable of moving 500 cubic feet of air per minute and develop a static suction of 3.5 inches of water. Recommended for dry collection only of grit, dust, chips, shavings, wood blocks, lint, tramp iron and other foreign materials which are deposited in the base or stopped by the filters. Only clean air reaches the fan.

Overall collection efficiencies by weight are 99.9+ % on particles down to two micron. Treated filters are fire-resistant.

Fine dust is easily dislodged from the fabric filters by using the foot-operated filter shaker.

No. 49-826 Dust Collector. Includes $\frac{3}{4}$ HP, single phase, 115/230 V, 60 hertz, 3450 RPM motor; two 6' lengths of 3" diameter wire hose and four hose clamps, two 3" inlets with adapters, foot-operated shaker and 30 square feet of fabric filter (24 filters). Less electrical controls. 140 lbs.

No. 49-831 Dust Collector. Same as No. 49-826, except 230/460 V, three phase. Less electrical controls. 140 lbs.

No. 49-909 Dust Collector. Same as No. 49-826, except 200 V, three phase. Less electrical controls. 140 lbs.

CONTROLS FOR "HIGH EFFICIENCY" DUST COLLECTORS

No. 52-377 Start-Stop Push Button Switch, 2-pole. Includes connecting wire assemblies, 8' cord with 3-prong 115 V grounding type plug and mounting hardware. For use with No. 49-826 Single Phase Dust Collector only. 5 lbs.

No. 52-378 24 Volt Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC). Includes connecting wire assemblies, 8' cord with 3-prong 115 V grounding type plug, and mounting hardware. For use with No. 49-826 Single Phase Dust Collector only. 15 lbs.

No. 52-379 24 Volt Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC). Includes connecting wire assemblies and mounting hardware. For use with No. 49-831 and 49-909 Three Phase Dust Collectors. When ordering, specify 200, 230 or 460 volts. 17 lbs.

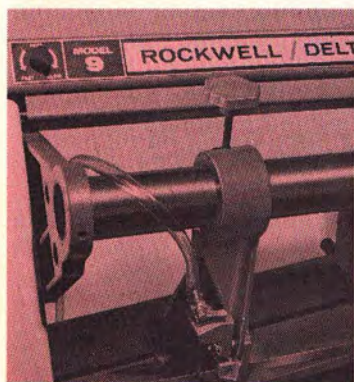
NOTE: Above electrical controls are shipped separately, must be mounted and wired to dust collectors.



**Power Tool Division
Rockwell International**



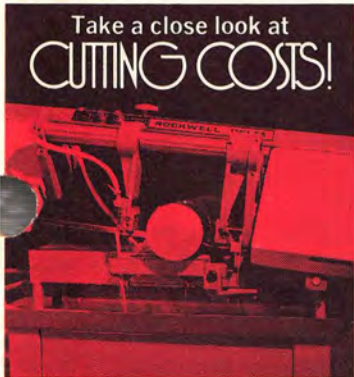
ENGINEERED
FOR INDUSTRY



NEW ROCKWELL DELTA 9"x16" HORIZONTAL BAND SAW

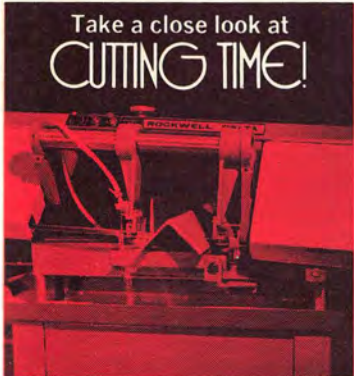


Take a close look at
CUTTING COSTS!

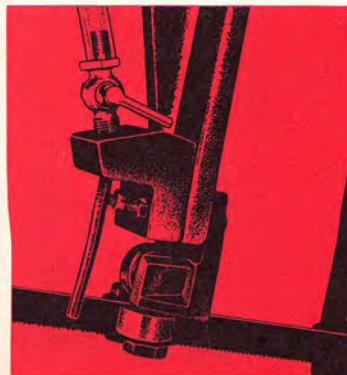
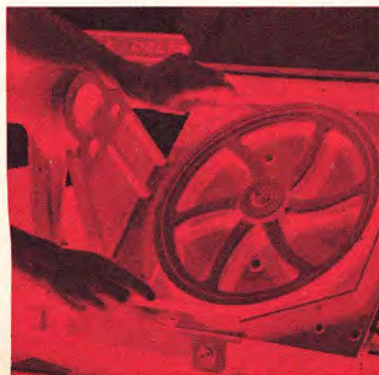
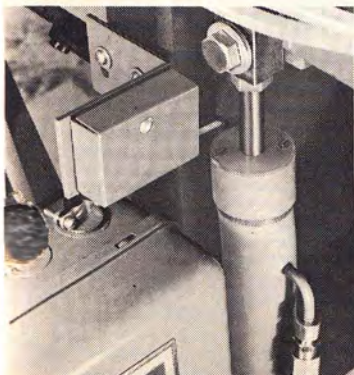


SQUARE,
PARALLEL,
FLAT CUTS!

Take a close look at
CUTTING TIME!

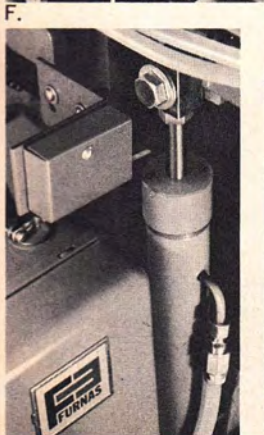


Exclusive Rockwell
LVC Control Station
offers a low
24-volts at the
push button control
for greater
operator safety.

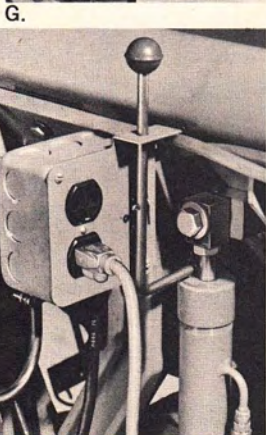


NEW ROCKWELL DELTA 9"x16" HORIZONTAL BAND SAW

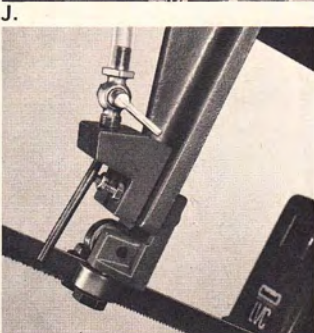
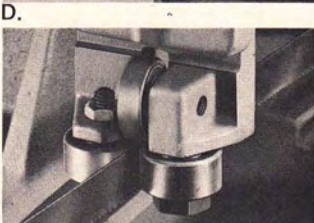
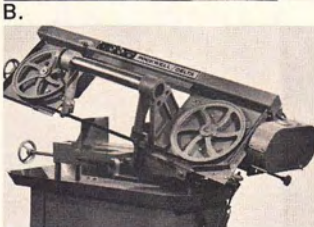
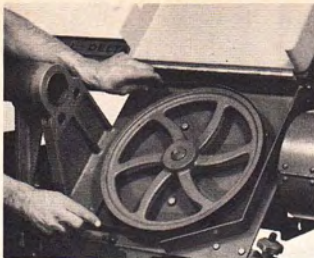
Available With Exclusive
Rockwell LVC 24 Volt
Control System . . .
Standard Equipment Coolant Pan . . .
Cuts 9" x 13" Rect. Stock at 90°
6" x 8" at 45°



I.



I.



K.

A. Exclusive Rockwell 24-Volt Control System. (Left) Only the Rockwell Delta 9 x 16 offers a low 24 volts at the push button control station for greater operator safety. Magnetic control system provides on-off control, low-voltage, no-voltage (when power is interrupted, machine can be started only by pressing start button), and motor overload protection. On three phase systems, overload protection is provided on all three legs. Note how all controls—start/stop buttons and feed dial—are grouped away from the cutting area for operator convenience and safety. (Right) The Rockwell Delta 9 x 16 also can be ordered with 115 V, single phase, toggle switch control.

B. Fast Blade Changes; Individual Blade Guards. Blade changes are fast and easy because they are made at the front of the machine (not the back). Separate wheel guards permit accessibility to one wheel at a time for greater convenience and safety.

C. Husky Saw Frame. Made of heavy structural steel and thick square tubing, frame firmly supports motor, wheels and blade guide assemblies for accurate cutting. Standard equipment coolant/chip tray has bevelled design for easy chip removal and clean-up.

D. Blade Tension Control. Large handwheel facilitates fast blade tensioning while scale shows degree of tension.

E. Efficient Blade Guide System. Saw blade rides between two sets of double row bearings that may be easily adjusted to suit blade thickness. Back-up support bearing is positioned at an angle so as to provide greater bearing support, reducing bearing wear and extending blade life.

F. Husky Blade Guide Arms. Two large cast iron arms rigidly support the blade guides to maintain accurate cutting performance at high cutting rates.

G. Massive Bridge. Correct wheel and blade alignment are maintained by the massive bridge which consists of two extra heavy cast iron supports joined by a 2 3/4" steel column.

H. Quick-Positioning Vise. Fully adjustable vise jaws can be swivelled for cutting at any angle from 0° to 45°. To position moveable vise jaw instantly, simply rotate control wheel counterclockwise a half turn. To tighten vise, turn wheel clockwise.

I. On-Off Control With Automatic Shut-Off. Machine and any accessories, such as the coolant pump, are controlled from the 24 volt switch (Left) or 115 volt toggle switch (Right) and automatically shut off when cut is completed. This provides added safety and convenience for the operator.

J. Efficient, Powerful Drive. The totally enclosed, fan cooled, 1 HP motor combined with a massive gear box and worm gear drive transmits ample power to the saw blade. Four-step pulley system provides speeds of 50, 125, 200 and 275 FPM.

K. Positive Coolant System. Use of a split nozzle that straddles both sides of the blade assures a full flood of coolant over the entire blade for better cutting performance.



No. 20-916
Horizontal Band Saw
Shown With
24 Volt Controls and
Accessory Coolant
System

No. 20-916
Horizontal Band Saw
Shown With
115 V Controls and
Accessory Coolant
System

CUTS COSTS! CUTS WASTE! CUTS TIME!

Holding costs down while increasing production is the answer to keeping competitive in today's fast moving economy. With Rockwell Delta's New 9" x 16" Horizontal Band Saw, you can do just that. This ruggedly built, precision machine will give you square, parallel, flat cuts exceptionally fast!

Using carbon or intermediate alloy blades with the proper tooth configuration and the correct coolant, it will provide accurate cuts in such metals as high speed steel, cast iron, Tobin bronze, aluminum, brass and other problem materials.

Compared to power hacksaws, the New Rockwell Delta 9 x 16 will save you up to 50% in cutting time because of the thinner kerf and much higher cutting rates produced.

Let us show you this "profit builder" in action today!

CATALOG LISTING

No. 20-916 Manual, Band Cut-Off Saw. Includes Basic Machine Mounted on Steel Legs, Bar Stock Stop, Roller Guides, Chip Removal Brush, Coolant and Chip Pan, Two 4-Step Pulleys and V-Belt. Less Electricals and Coolant System. 585 lbs.

MOTORS AND CONTROLS (Factory Mounted and Wired)

MOTOR	MOTOR CONTROL	MOTOR ENCLOSURE	HERTZ AND MOTOR RPM	MOTOR VOLTAGE	SHIPPING WT. LBS.	CAT. NO.	CAT. NO. 200 V	CAT. NO. 575 V
Single Phase 1 Horsepower	24 V Push Button Station, Magnetic Starter, Transformer and Overload Protection (LVC)	TEFC	60-1725	115/230 V	87	52-399		
	Toggle Switch Only	TEFC	60-1725	115 V	61	52-403		
Three Phase 1 Horsepower	24 V Push Button Station, Magnetic Starter, Transformer and 3-Leg Overload Protection (LVC)	TEFC	60-1725	230/460 V	70	52-400	52-401	52-402

NOTE: Single phase dual-voltage electricals will be supplied wired for 115 V, unless 230 V is specified. Three phase dual-voltage electricals will

MACHINE DATA

Controls:

Toggle Switch Full Voltage, 115 V, 1 Phase Only
24 V (LVC) 115/230 V, 1 Phase; 200 V, 3 Phase;
230/460 V, 3 Phase; 575 V, 3 Phase

Capacity:

Diameter at 90° 9" (228.6 mm)
Rect. at 90° 3" x 16" (76.2 x 406.4 mm)
9" x 13" (228.6 x 330.2 mm)
Rect. at 45° 6" x 8" (152.4 x 203.2 mm)

Blade:

Length 130" (3302 mm)
Width 3/4 or 1" (19 or 25.4 mm)
Type Hardened Back

Drive 4-Step Pulley and Worm Gear

Speed Range 50, 125, 200, 275 FPM
(15.25, 38.125, 61, 83.87 MPM)

Blade Wheels 14" (355.6 mm) Diameter, Flanged, Cast Iron

Head Control Hydraulic Cylinder Operated by Needle Valve

Blade Guides Roller and Roller Back-Up

Floor Space 30" x 70" (762 x 1778 mm)

Net Weight 625 Lbs. (281 kg)

Shipping Weight 655 Lbs. (295 kg)

ROCKWELL DELTA QUALITY ACCESSORIES

No. 20-904 Bar Stock Stand, with adjustable height for easier work handling. 20 lbs.

METAL CUTTING BAND SAW BLADES

Hard-edge, flexible back blades for cutting all metals.

No. 28-746 Saw Blade, 3/4" wide x 130" long, 6 TPI, with raker tooth. 1 1/2 lbs.

No. 28-747 Saw Blade, 3/4" wide x 130" long, 10 TPI, wavy set. 1 1/2 lbs.

No. 28-748 Saw Blade, 3/4" wide x 130" long, 10 TPI, with raker tooth. 1 1/2 lbs.

No. 28-749 Saw Blade, 3/4" wide x 130" long, 8 TPI, with raker tooth. 1 1/2 lbs.



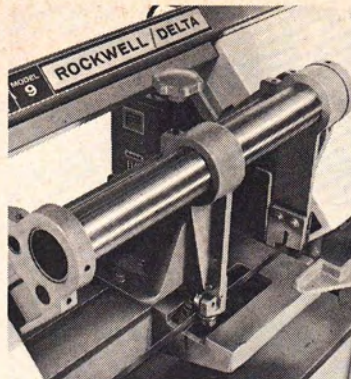
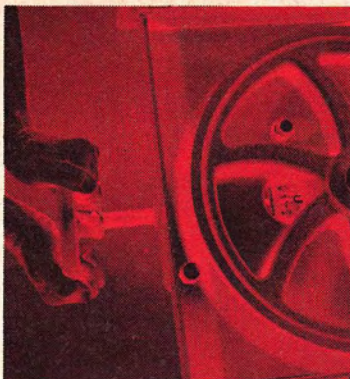
NEW ROCKWELL 5-GALLON COOLANT SYSTEM

No. 49-134 5-Gallon Coolant System for 200/230/460 V, three phase. Includes submersible pump with 1/4" male outlet; 5-gallon tank with screen and baffle; 6-foot plastic hose, shut-off valve with nozzle, mounting clamp and 6-foot 3-conductor power cord, and transformer. 20 lbs.

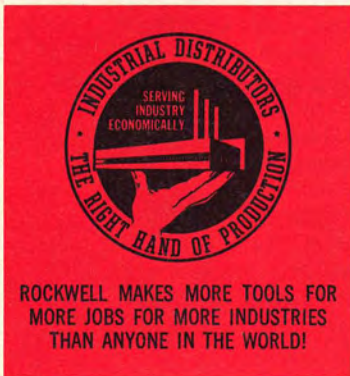
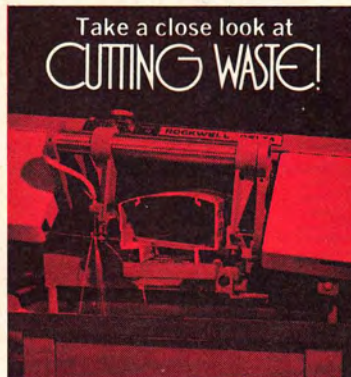
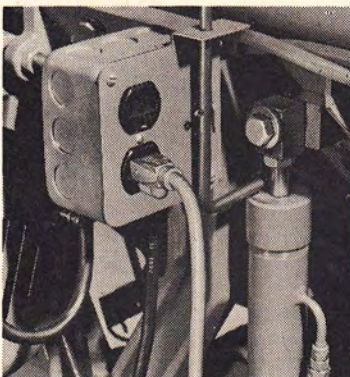
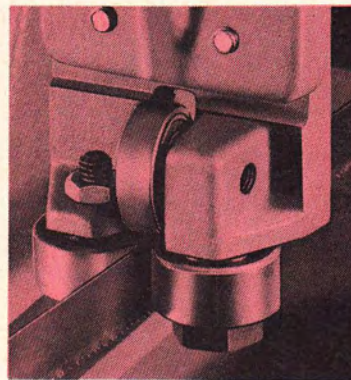
No. 49-136 5-Gallon Coolant System. Same as 49-134 except for 575 V, three phase. 20 lbs.

No. 49-137 5-Gallon Coolant System. Same as 49-134, except for 115 V, single phase. Does not include transformer. 17 lbs.

be supplied wired for 230 V, unless 460 V is specified. Power Cord and Plug supplied for single phase only.



**Ruggedly Built
Blade Guides
maintain correct
blade alignment
for smoother,
more accurate
cutting.**



**ROCKWELL MAKES MORE TOOLS FOR
MORE JOBS FOR MORE INDUSTRIES
THAN ANYONE IN THE WORLD!**



**Power Tool Division
Rockwell International**

ROCKWELL DELTA AUTHORIZED PARTS DISTRIBUTORS

The Authorized Rockwell Delta Parts Distributors or Factory Service Centers listed below stock a complete line of replacement parts. To save time and shipping costs, send your parts orders to your nearest Distributor or Factory Branch. In most cases they will be filled and shipped within 48 hours. Parts orders are not filled direct from the factory.



ATLANTA, GEORGIA 30340
Rockwell Manufacturing Company
3500 McCall Place
Phone: 404 458-2263

BOSTON, MASSACHUSETTS 02134
Rockwell Manufacturing Company
414 Cambridge Street
Phone: 617 782-1700

BUFFALO, NEW YORK 14204
Karle Saw Company, Inc.
138-150 Chicago St., Cor. So. Park Ave.
Phone: 716 853-8053 or 8054

CHICAGO, ILLINOIS 60160
Rockwell Manufacturing Company
4533 North Avenue
Melrose Park, Illinois
Phone: 312 921-2650

CINCINNATI, OHIO 45203
Rockwell Manufacturing Company
906 Dalton Street
Phone: 513 241-2737

DALLAS, TEXAS 75247
Rockwell Manufacturing Company
2934 Iron Ridge Street
Phone: 214 631-1890

DENVER, COLORADO 80207
Rockwell Manufacturing Company
4900 East 39th Avenue
Phone: 303 388-5803

DETROIT, MICHIGAN 48075
Rockwell Manufacturing Company
18650 W. Eight Mile Road
Phone: 313 358-1000

HONOLULU, HAWAII 96819
Rockwell Manufacturing Company
3209 Koapaka Street
Phone: 808 847-2048

N. KANSAS CITY, MISSOURI 64116
Rockwell Manufacturing Company
1141 Swift Avenue
Phone: 816 221-2070

LOS ANGELES, CALIFORNIA 90007
Rockwell Manufacturing Company
2400 South Grand Avenue
Phone: 213 749-0386

MILWAUKEE, WISCONSIN 53222
Rockwell Manufacturing Company
10700 W. Burleigh Street
Phone: 414 774-3650

NEW YORK, NEW YORK 10013
Rudolf Bass, Inc.
175 Lafayette Street, Cor. Grand Street
Phone: 212 226-4000

OAKLAND, CALIFORNIA 94601
Rockwell Manufacturing Company
4621 Malat Street
Phone: 415 535-2424

PHILADELPHIA, PENNSYLVANIA 19120
Rockwell Manufacturing Company
4433-37 Whitaker Avenue
Phone: 215 455-7907

PITTSBURGH, PENNSYLVANIA 15208
Rockwell Manufacturing Company
400 N. Lexington Avenue
Phone: 412 241-8400

SEATTLE, WASHINGTON 98109
Rockwell Manufacturing Company
1918 Minor Avenue
Phone: 206 622-4576

CANADA
ROCKWELL MANUFACTURING CO.
OF CANADA LIMITED
40 Wellington Street, P. O. Box 848
Guelph, Ontario, Canada
Phone: 519 822-2840

YOUR ROCKWELL WARRANTY

Rockwell is proud of the quality of the power tools which it sells. The component parts of our tools are inspected at various stages of production, and each finished tool is subjected to a final inspection before it is placed in its specially designed carton to await shipment. Because of our confidence in our engineered quality, Rockwell agrees to repair or replace any part or parts of Rockwell Power Tools or Rockwell Power Tool Accessories which examination proves to be defective in workmanship or material. In order to take advantage of this guarantee, the complete portable power tool or accessory, or in the case of machinery, the part must be

returned prepaid to the appropriate factory, Rockwell service center, or authorized service station for examination. This guarantee, of course, does not include repair or replacement required because of misuse, abuse, or normal wear and tear. Repairs made by other than our factory, service center, or authorized service station, relieves Rockwell of further liability under this guarantee. THIS GUARANTEE IS MADE EXPRESSLY IN PLACE OF ALL OTHER GUARANTEES OR WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO QUALITY, MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE.

ROCKWELL DELTA

... the name that stands for Service, Quality and Performance!

**we
do
care!**

ROCKWELL makes more tools for more jobs for more industries than anyone in the world!

ROCKWELL manufactures the world's most complete line of machinery and power tools for use in industry, the building and construction trades, schools and home workshops. For complete information on each of these product lines, see your Rockwell Distributor or Dealer for the following literature:

AD-2260 --ROCKWELL MACHINE TOOLS.

AD-2270 --ROCKWELL PORTABLE ELECTRIC POWER TOOLS FOR INDUSTRY, CONSTRUCTION AND THE BUILDING TRADES

AD-2241 --ROCKWELL STATIONARY AND PORTABLE ELECTRIC POWER TOOLS FOR THE HOME WORKSHOP, LAWN AND GARDEN

AB-125 --ROCKWELL AIR TOOLS

For the name of your nearest Rockwell Distributor or Dealer, look in the "Yellow Pages" under:

**TOOLS, MACHINERY / TOOLS, ELECTRIC
TOOLS, PNEUMATIC**

For further information contact . . .

In the United States:

ROCKWELL MANUFACTURING COMPANY
400 North Lexington Avenue
Pittsburgh, Pennsylvania 15208

In Canada:

**ROCKWELL MANUFACTURING COMPANY
OF CANADA, LTD.**
40 Wellington Street, P.O. Box 848
Guelph, Ontario

In Europe:

**ROCKWELL MANUFACTURING COMPANY
FLEXIBLE, INC., WILMINGTON**
Branch Ebmingen
Lohwiesstrasse
8123 Ebmingen/ Zurich, Switzerland

In South Africa:

ROCKWELL SOUTH AFRICA (PTY.) LTD
59 Kempston Road
Port Elizabeth, South Africa
Cable Address: ROCKINT

For Any Area Not Shown Above:

ROCKWELL MANUFACTURING COMPANY
Power Tool International Department
400 North Lexington Avenue
Pittsburgh, Pennsylvania 15208
Cable Address: ROMCO

Distributors throughout the world



Rockwell