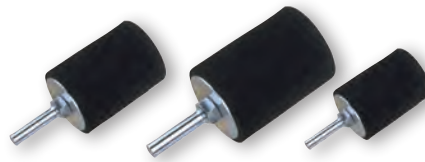


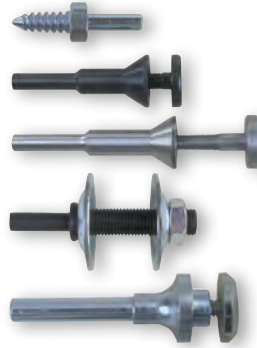
EXPANDING DRUMS



SIZE	PART #	SIZE	PART #	SIZE	PART #
1/4" x 1/2" x 1/8"	12057	5/8" x 2" x 1/4"	12067	1" x 3" x 1/4"	12076
3/8" x 1/2" x 1/8"	12058	3/4" x 1/2" x 1/4"	12068	1 1/2" x 1" x 1/4"	12080
1/2" x 1/2" x 1/8"	12059	3/4" x 1" x 1/4"	12069	1 1/2" x 1 1/2" x 1/4"	12081
1/2" x 1/2" x 1/4"	12060	3/4" x 1 1/2" x 1/4"	12070	2" x 1/2" x 1/4"	12083
1/2" x 1" x 1/4"	12061	3/4" x 2" x 1/4"	12071	2" x 1" x 1/4"	12084
1/2" x 1 1/2" x 1/4"	12062	1" x 1" x 1/4"	12073	2" x 1 1/2" x 1/4"	12085
1/2" x 2" x 1/4"	12063	1" x 1 1/2" x 1/4"	12074	2" x 2" x 1/4"	12086
5/8" x 1 1/2" x 1/4"	12066	1" x 2" x 1/4"	12075	3" x 3" x 3/8"	12090

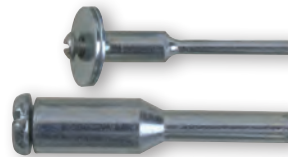
WHEEL MANDRELS

STYLE	MAX. WHEEL THICKNESS	ARBOR HOLE	SHANK	PART #
W-11	1"	3/16"	1/4"	37519
W-14	1/4"	1/4"	1/4"	12213
W-38	1/4"	3/8"	1/4"	12214
W-1438	1/4"	1/4" & 3/8"	1/4"	26222
W-14-5	1/2"	1/4"	1/4"	35733
W-14-10	1"	1/4"	1/4"	35734
1342	5/8"	1/4"	1/4"	10540
W-23	3/4"	3/8"	1/4"	12215
W-24	1/2"	1/2"	1/4"	12216
D12-1	1/4"	1/4"	1/4"	12211
D12-2	1/4"	3/8"	1/4"	12212



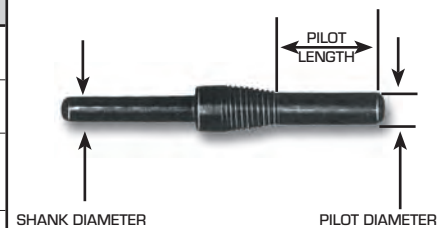
DISC MANDRELS

STYLE	ARBOR HOLE	O.A.L.	SHANK	PART #
D-1	1/16"	1 3/4"	1/8"	12220
D-2	1/8"	1 3/4"	1/8"	12221
D3-1	1/8"	2"	1/4"	12222
D3-2	1/4"	2"	1/4"	12223
D4-1	1/8"	3"	1/4"	12224
D4-2	1/4"	3"	1/4"	12225



CARTRIDGE ROLL MANDRELS

STYLE NO.	PILOT DIAMETER	PILOT LENGTH	SHANK DIAMETER	SHANK LENGTH	O/A LENGTH	PART #
CRM-1	5/64"	3/4"	1/8"	1"	2 3/4"	11920
CRM-2	3/32"	3/4"	1/8"	1"	2 3/4"	11921
CRM-2F	3/32"	1"	1/4"	1"	3"	46933
CRM-2E	3/32"	3/4"	1/4"	1"	2 3/4"	46934
CRM-4	1/8"	3/4"	1/8"	1"	2 3/4"	11923
CRM-5	1/8"	1"	1/8"	1"	3"	11924
CRM-6	1/8"	1 1/2"	1/8"	1"	3 1/2"	11925
CRM-7	1/8"	1/2"	1/4"	1"	2 1/4"	11926
CRM-8	1/8"	3/4"	1/4"	1"	2 1/2"	11927
CRM-8-6	1/8"	3/4"	1/4"	4 1/2"	6"	11928
CRM-9	1/8"	1"	1/4"	1"	2 3/4"	11929
CRM-9-6	1/8"	1"	1/4"	4 1/4"	6"	11930
CRM-9-8	1/8"	1"	1/4"	6 1/4"	8"	11931
CRM-10	1/8"	1 1/2"	1/4"	1"	3 1/4"	11932
CRM-15	3/16"	3/4"	1/4"	1 1/4"	2 3/4"	11934
CRM-16	3/16"	1"	1/4"	1 1/4"	3"	11935
CRM-16-6	3/16"	1"	1/4"	4 1/4"	6"	11936
CRM-17	3/16"	1 1/2"	1/4"	1 1/4"	3 1/2"	11937
CRM-20	1/4"	3/4"	1/4"	1 1/4"	2 3/4"	11939
CRM-21	1/4"	1"	1/4"	1 1/4"	3"	11940
CRM-21-6	1/4"	1"	1/4"	4 1/4"	6"	11941
CRM-22	1/4"	1 1/2"	1/4"	1 1/4"	3 1/2"	11942



PILOT LENGTH FOR MANDRELS

Rolls 1" long, use 3/4" pilot length.
 Rolls 1 1/2" long, use 1" pilot length.
 Rolls 2" long, use 1 1/2" pilot length.