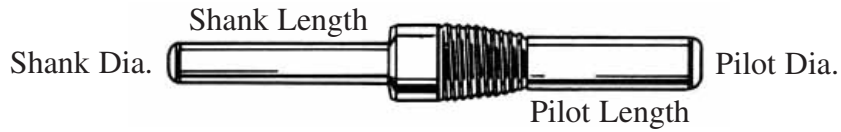


Cartridge Roll Mandrels



Style	Pilot Dia.	Pilot Lgt.	Shank Dia.	Shank Lgt.	Part Number
A 1	5/64"	1"	1/8"	1"	290110
A2-E	3/32"	3/4"	1/4"	1"	290344
A2-F	3/32"	1"	1/4"	1"	290345
A 2	3/32"	1"	1/8"	1"	290111
A 3	1/8"	1/2"	1/8"	1"	290112
A 4	1/8"	3/4"	1/8"	1"	290113
A 5	1/8"	1"	1/8"	1"	290114
A 6	1/8"	1-1/2"	1/4"	1"	290115
A 7	1/8"	1/2"	1/4"	1-1/4"	290116
A 8	1/8"	3/4"	1/4"	1-1/4"	290117
A 9	1/8"	1"	1/4"	1-1/4"	290118
A 10	1/8"	1-1/2"	1/4"	1-1/4"	290119
A 11	1/8"	2"	1/4"	1-1/4"	290120
A 14	3/16"	1/2"	1/4"	1-1/4"	290123
A 15	3/16"	3/4"	1/4"	1-1/4"	290124
A 16	3/16"	1"	1/4"	1-1/4"	290125
A 17	3/16"	1-1/2"	1/4"	1-1/4"	290126
A 18	3/16"	2"	1/4"	1-1/4"	290127
A 19	1/4"	1/2"	1/4"	1-1/4"	290128
A 20	1/4"	3/4"	1/4"	1-1/4"	290129
A 21	1/4"	1"	1/4"	1-1/4"	290130
A21-6	1/4"	1"	1/4"	6"	290139
A21-8	1/4"	1"	1/4"	8"	290140
A 22	1/4"	1-1/2"	1/4"	1-1/4"	290131
A22-6	1/4"	1-1/2"	1/4"	6"	290180
A22-8	1/4"	1-1/2"	1/4"	8"	290181
A 23	1/4"	2"	1/4"	1-1/4"	290132
A 24	5/16"	3/4"	1/4"	1-1/4"	290133
A 25	5/16"	1"	1/4"	1-1/4"	290134
A 26	5/16"	1-1/2"	1/4"	1-1/4"	290136
A 27	5/16"	2"	1/4"	1-1/4"	290137



Cone Point Mandrels

Description Style	Shank Diameter	Product Number
A-10	1/4"	190030
B-20	1/4"	190031
C-30	1/4"	190032
D-40	1/4"	190033
E-50	1/4"	190034

Description Style	Shank Diameter	Product Number
F-60	1/4"	190035
G-70	1/4"	190036
H-80	1/4"	190037
I-90	1/4"	190038
K-110	1/4"	190038