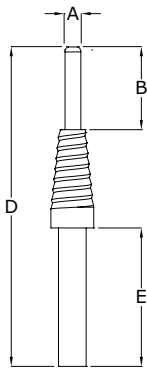


Standard Tapered Type Mandrels for Cartridge Rolls



CLESCO

"The Abrasive Hardware Specialist"



- Quick change mandrels for coated abrasive cartridge rolls
- Feature sharp, coarse threads which hold cartridge rolls securely in place in operation
- Rust proof black oxide finish



HOW TO ORDER:

- Shank Dia. – order the size that fits your collet or chuck.
- Pilot Dia. – to be the same size as hole in cartridge roll.
- Pilot Length – for rolls:
 - 3/4" long – use 1/2" pilot length
 - 1" long – use 3/4" pilot length
 - 1 1/2" long – use 1" pilot length
 - 2" long – use 1 1/2" pilot length

Catalog #	(A) Pilot Dia.	(B) Pilot Length	(C) Shank Dia.	(D) O.A.L.	(E) Shank Length
CR-1	5/64	1	1/8	3	1
CR-2A	3/32	1/2	1/8	2 1/2	1
CR-2B	3/32	3/4	1/8	2 3/4	1
CR-2	3/32	1	1/8	3	1
CR-2D	3/32	1/2	1/4	2 1/2	1 1/4
CR-2E	3/32	3/4	1/4	2 3/4	1 1/4
CR-2E-4	3/32	3/4	1/4	4	2 1/2
CR-2F	3/32	1	1/4	3	1 1/4
CR-2F-4	3/32	1	1/4	4	2 1/4
CR-2F-6	3/32	1	1/4	6	4 1/4
CR-3	1/8	1/2	1/8	2 1/2	1
CR-4	1/8	3/4	1/8	2 3/4	1
CR-4A	1/8	3/4	3/32	2 3/4	1
CR-5	1/8	1	1/8	3	1
CR-5A	1/8	1	3/32	3	1
CR-6	1/8	1 1/2	1/8	3 1/2	1
CR-7	1/8	1/2	1/4	2 1/4	1
CR-7-4	1/8	1/2	1/4	4	2 3/4
CR-7-6	1/8	1/2	1/4	6	4 3/4
CR-7-8	1/8	1/2	1/4	8	6 3/4
CR-7-10	1/8	1/2	1/4	10	8 3/4
CR-7-12	1/8	1/2	1/4	12	10 3/4
CR-8	1/8	3/4	1/4	2 1/2	1
CR-8-6MM	1/8	3/4	6mm	2 1/2	7/8
CR-8-4	1/8	3/4	1/4	4	2 1/2
CR-8-6	1/8	3/4	1/4	6	4 1/2
CR-8-8	1/8	3/4	1/4	8	6 1/2
CR-8-10	1/8	3/4	1/4	10	8 1/2
CR-8-12	1/8	3/4	1/4	12	10 1/2
CR-9	1/8	1	1/4	2 3/4	1
CR-9-6MM	1/8	1	6mm	3	1
CR-9-2SH	1/8	1	1/4	3 3/4	2
CR-9-4	1/8	1	1/4	4	2 1/4
CR-9-6	1/8	1	1/4	6	4 1/4
CR-9-6SH	1/8	1	1/4	7 3/4	6
CR-9-8	1/8	1	1/4	8	6 1/4
CR-9-10	1/8	1	1/4	10	8 1/4
CR-9-12	1/8	1	1/4	12	10 1/4
CR-10	1/8	1 1/2	1/4	3 1/4	1
CR-10-4	1/8	1 1/2	1/4	4	1 3/4

Catalog #	(A) Pilot Dia.	(B) Pilot Length	(C) Shank Dia.	(D) O.A.L.	(E) Shank Length
CR-10-5	1/8	1 1/2	1/4	5	2 3/4
CR-10-6	1/8	1 1/2	1/4	6	3 3/4
CR-10-8	1/8	1 1/2	1/4	8	5 3/4
CR-10-10	1/8	1 1/2	1/4	10	7 3/4
CR-10-12	1/8	1 1/2	1/4	12	9 3/4
CR-11	1/8	2	1/4	4	1 1/4
CR-11-6	1/8	2	1/4	6	3 1/4
CR-12	3/16	1/2	1/8	2 1/2	1
CR-13	3/16	3/4	1/8	2 3/4	1
CR-14	3/16	1/2	1/4	2 1/2	1 1/4
CR-14-4	3/16	1/2	1/4	4	1 1/4
CR-15	3/16	3/4	1/4	2 3/4	1 1/4
CR-15-6MM	3/16	3/4	6mm	2 3/4	1 1/4
CR-15-6	3/16	3/4	1/4	6	1 1/4
CR-15-8	3/16	3/4	1/4	8	1 1/4
CR-16	3/16	1	1/4	3	1 1/4
CR-16-6MM	3/16	1	6mm	3	1 1/4
CR-16-4	3/16	1	1/4	4	1 1/4
CR-16-6	3/16	1	1/4	6	1 1/4
CR-16-8	3/16	1	1/4	8	1 1/4
CR-17	3/16	1 1/2	1/4	3 1/2	1 1/4
CR-17-6	3/16	1 1/2	1/4	6	1 1/4
CR-17-8	3/16	1 1/2	1/4	8	1 1/4
CR-18	3/16	2	1/4	4	1 1/4
CR-18-6	3/16	2	1/4	6	1 1/4
CR-18-8	3/16	2	1/4	8	1 1/4
CR-19	1/4	1/2	1/4	2 1/2	1 1/4
CR-20	1/4	3/4	1/4	2 3/4	1 1/4
CR-20-4	1/4	3/4	1/4	4	1 1/4
CR-20-6	1/4	3/4	1/4	6	1 1/4
CR-21	1/4	1	1/4	3	1 1/4
CR-21-4	1/4	1	1/4	4	1 1/4
CR-21-6	1/4	1	1/4	6	1 1/4
CR-21-12	1/4	1	1/4	12	1 1/4
CR-22	1/4	1 1/2	1/4	3 1/2	1 1/4
CR-22-6	1/4	1 1/2	1/4	6	1 1/4
CR-23	1/4	2	1/4	4	1 1/4
CR-25	5/16	3/4	1/4	2 3/4	1 1/4
CR-27	5/16	1 1/2	1/4	3 1/2	1 1/4
CR-28	5/16	2	1/4	4	1 1/4