

EXPANDING ARBORS

SERIES 704:

Machine these arbors to hold a specific part. For use on lathes, milling machines, grinders, chucks, collets, fixtures, etc.



EAGLE ROCK



Size	MEDA		EAGLE ROCK	
	Order No.	Price	Order No.	Price
1/4	7040016		7040014	
3/8	7040024		7040038	
1/2	7040032		7040012	
5/8	7040040		7040058	
3/4	7040048		7040034	
7/8	7040056		7040078	
1	7040064		7040010	
1-1/4	7040080		7040114	
1-1/2	-		7040112	
1-3/4	-		7040134	
2	-		7040020	
2-1/2	-		7040212	
3	-		7040030	

Set of 8 arbors and hex wrenches on a wooden block.

MEDA - SUPERIOR IMPORT Order No. 7040100 Price:

EAGLE ROCK - USA Order No. 7040800 Price:

EXPANDING MANDRELS

SERIES 303:

Hardened and precision-ground. Consists of tapered arbor and expanding sleeve (s). Any size within the range may be obtained by moving sleeve along arbor.



Size	Range	Length of Arbor	Length of Sleeve	Sleeves Furnished	Order No.	Price
1	1/2 to 9/16	5	2-1/2	1	1875001	
2	9/16 to 21/32	6	2-3/4	1	1875002	
3	21/32 to 3/4	7	2-3/4	1	1875003	
4	3/4 to 7/8	7	3-1/4	1	1875004	
5	7/8 to 1	7	3-1/4	1	1875005	
6	1 to 1-1/4	9	4	2	1875006	
7	1-1/4 to 1-1/2	9	4	2	1875007	
8	1-1/2 to 2	11-1/2	5	2	1875008	
9	2 to 2-3/4	14	6	2	1875009	
10	2-3/4 to 3-3/4	17	7	2	1875010	

EXPANDING MANDREL SETS

SERIES 303:

Case not included.

Range	No. of Mandrels in Set	Sizes of Mandrels in Set	Order No.	Price
1/2 to 1	5	1 to 5	1880015	
1 to 2	3	6 to 8	1880068	
1/2 to 2	8	1 to 8	1880018	
1/2 to 3-3/4	10	1 to 10	1880110	



LATHE MANDRELS

SERIES 302:



These Mandrels are made of hardened steel and are accurately ground to size. Mandrels are slightly tapered with the size marked on the large end. Standard taper .0005" per inch. Sizes under 1" are .0005" undersize on small end. Sizes 1-1/16 to 3" are .001" undersize on small end.

Designed for setting up accurately bored or reamed blanks and castings for pulleys, handwheels or hubs, on centers so that the outside diameter can be turned concentrically with the axis of the hole in which the mandrel is fixed.

Dia.	Overall Length	Order No.	Price	Dia.	Overall Length	Order No.	Price
1/8	2-1/2	1870008		15/16	6-3/4	1870060	
5/32	3	1870010		31/32	7	1870062	
3/16	3	1870012		1	7	1870064	
7/32	3-3/4	1870014		1-1/16	7-1/4	1870068	
1/4	3-3/4	1870016		1-1/8	7-1/2	1870072	
9/32	4	1870018		1-3/16	7-3/4	1870076	
5/16	4	1870020		1-1/4	8	1870080	
11/32	4-1/4	1870022		1-5/16	8-1/4	1870084	
3/8	4-1/4	1870024		1-3/8	8-1/2	1870088	
13/32	4-1/2	1870026		1-7/16	8-3/4	1870092	
7/16	4-1/2	1870028		1-1/2	9	1870096	
15/32	5	1870030		1-9/16	9-1/4	1870136	
1/2	5	1870032		1-5/8	9-1/2	1870140	
17/32	5-1/4	1870034		1-11/16	9-3/4	1870144	
9/16	5-1/4	1870036		1-3/4	10	1870148	
19/32	5-1/2	1870038		1-13/16	10-1/4	1870152	
5/8	5-1/2	1870040		1-7/8	10-1/2	1870156	
21/32	5-3/4	1870042		1-15/16	10-3/4	1870160	
11/16	5-3/4	1870044		2	11	1870200	
23/32	6	1870046		2-1/8	11-1/2	1870208	
3/4	6	1870048		2-1/4	12	1870216	
25/32	6-1/4	1870050		2-3/8	12	1870224	
13/16	6-1/4	1870052		2-1/2	12-1/2	1870232	
27/32	6-1/2	1870054		2-5/8	12-1/2	1870240	
7/8	6-1/2	1870056		2-3/4	13	1870248	
29/32	6-3/4	1870058		2-7/8	13	1870256	
				3	13	1870300	

LATHE DOGS

SERIES 571



Capacity	Straight Tail Order No.	Bent Tail Order No.	Price
1/2	5715032	5710032	
3/4	5715048	5710048	
1	5715064	5710064	
1-1/4	5715080	5710080	
1-1/2	5715096	5710096	
1-3/4	5715148	5710148	
2	5715200	5710200	
2-1/2	5715232	5710232	
3	5715300	5710300	
4	5715400	5710400	
5	5715500	5710500	
6	5715600	5710600	

RADIUS CUTTING TOOLS (SHAPLANE)

SERIES 325:



EAGLE ROCK



These are indispensable tools for cutting concave and convex radii. Tools are very simple to operate, extremely accurate and they provide a very smooth finish on all types of materials. All tools use 1/4" tool bits except Order No. 1975006 which uses 3/8" tool bits.

CONVEX RADII

Radius Capacity	Shank Size	Swing of Lathe	Order No.	Price
0 - 1-5/8 Ball	3/8 x 1 x 4 Long	9-13	1975001	
1/4 - 2-1/2 Ball	9/16 x 1-1/4" x 6 Long	13 & up	1975002	

CONCAVE RADII

Minimum Radius	Shank Size	Swing of Lathe	Order No.	Price
3/8	3/8 x 1 x 4 Long	9-13	1975003	
3/4	3/8 x 1 x 4 Long	9-13	1975004	
1/2	9/16 x 1-1/4 x 6 Long	13 and up	1975005	
1	9/16 x 1-1/4 x 6 Long	13 and up	1975006*	

*Adaptable for use on shapers, planers, and boring mills.

GRINDING CARRIERS

SERIES 571:



Capacity	Order No.	Price
1/4" / 6mm	9710001	
3/8" / 9mm	5710002	
1/2" / 12mm	5710003	
5/8" / 16mm	5710004	
3/4" / 19mm	5710005	
1" / 25mm	5710006	
1-1/4" / 30mm	5710007	
1-1/2" / 38mm	5710008	
1-3/4" / 44mm	5710009	
2" / 50mm	5710010	
2-1/2" / 63mm	5710011	
3" / 75mm	5710012	
3-1/2" / 90mm	5710013	
4" / 100mm	5710014	

Set of six grinding carriers 1/4" to 1" (6mm to 25mm)

Order No. 5710015 Price:

Set of ten grinding carriers 1/4" to 2" (6mm to 50mm)

Order No. 5710016 Price:

CUT - OFF TOOL HOLDERS

SERIES 431: STRAIGHT
SERIES 432: RIGHT HAND
SERIES 433: LEFT HAND



S = Straight

R = Right Hand

L = Left Hand

For use with H.S.S. and Cobalt Cut-Off Blades.
Cut off blades are not included.

Model No.	Size of Holder	Size of Blade	Order No.	Price
M-S*	5/16 x 5/16 x 3	1/16 x 3/16	2450012	
19-S	5/16 x 3/4 x 4-1/2	3/32 x 1/2	2450032	
29-R	5/16 x 3/4 x 4-1/2	3/32 x 1/2	2455032	
29-L	5/16 x 3/4 x 4-1/2	3/32 x 1/2	2460032	
20-S	3/8 x 7/8 x 5	3/32 x 5/8	2450040	
30-R	3/8 x 7/8 x 5	3/32 x 5/8	2455040	
30-L	3/8 x 7/8 x 5	3/32 x 5/8	2460040	
21-S	1/2 x 1-1/8 x 6	1/8 x 3/4	2450048	
31-R	1/2 x 1-1/8 x 6	1/8 x 3/4	2455048	
31-L	1/2 x 1-1/8 x 6	1/8 x 3/4	2460048	
22-S	5/8 x 1-3/8 x 7	1/8 x 7/8	2450056	
32-R	5/8 x 1-3/8 x 7	1/8 x 7/8	2455056	
32-L	5/8 x 1-3/8 x 7	1/8 x 7/8	2460056	
23-S	3/4 x 1-5/8 x 8	3/16 x 1	2450064	
33-R	3/4 x 1-5/8 x 8	3/16 x 1	2455064	
33-L	3/4 x 1-5/8 x 8	3/16 x 1	2460064	

*Ideal for mini-lathes.

BORING TOOL HOLDERS

SERIES 607:



Each holder comes with one Double Ended Boring Bar.
Tool Bits are not included.

Model No.	Size of Holder	B/bar Dia.	Tool Bit Size	Order No.	Price
BT2	3/8 x 7/8 x 5-3/8	9/16	3/16	6070012	
BT3	1/2 x 1-1/8 x 6-1/8	3/4	1/4	6070016	
BT4	5/8 x 1-3/8 x 7-7/16	15/16	5/16	6070020	

TURNING TOOL HOLDERS - ADJUSTABLE

SERIES 428:



- Machined Tool Holders
- Supplied without Tool Bits.



Straight Order No.	Capacity		Overall Length	Price
	Inch	mm		
2435001	3/16 to 1/4"	4.76 to 6.35mm	5"/127mm	
2435002	1/4 to 5/16	6.35 to 7.93mm	5-1/2"/140mm	
2435005	5/16 to 3/8	7.93 to 9.32mm	6"/152mm	
2435004	3/8 to 1/2	9.52 to 12.7mm	8"/203mm	

All Tool Holders are accurately machined and heat treated.
Each Tool Holder includes a wrench. (Tool Bits are not included.)

TURNING TOOL HOLDERS

SERIES 428: STRAIGHT
SERIES 429: RIGHT HAND (Pictured)
SERIES 430: LEFT HAND

S = Straight
R = Right Hand
L = Left Hand



TURNING TOOL HOLDERS

SERIES 561:

S = Straight
R = Right Hand
L = Left Hand



For use with H.S.S. and Cobalt Tool Bits. (See Index)

For use with Carbide Tipped Tool Bits. (See Index)

Model No.	Size of Holder	Size of Tool Bit	Order No.	Price	Model No.	Size of Holder	Size of Tool Bit	Order No.	Price
ML-S*	5/16 X 5/16 X 3-3/8	1/8	2435101		T-0-S	3/8 x 15/16 x 6	1/4	5610016	
ML-R*	5/16 X 5/16 X 3-3/8	1/8	2440101		T-0-R	3/8 x 15/16 x 6	1/4	5610116	
ML-L*	5/16 X 5/16 X 3-3/8	1/8	2445101		T-0-L	3/8 x 15/16 x 6	1/4	5610216	
000-S	5/16 x 1/2 x 4	3/16	2435011		T-1-S	1/2 x 1-1/4 x 7	5/16	5610020	
000-R	5/16 x 1/2 x 4	3/16	2440011		T-1-R	1/2 x 1-1/4 x 7	5/16	5610120	
000-L	5/16 x 1/2 x 4	3/16	2445011		T-1-L	1/2 x 1-1/4 x 7	5/16	5610220	
00-S	5/16 x 3/4 x 4-1/2	3/16	2435012		T-2-S	5/8 x 1-1/2 x 8	3/8	5610024	
00-R	5/16 x 3/4 x 4-1/2	3/16	2440012		T-2-R	5/8 x 1-1/2 x 8	3/8	5610124	
00-L	5/16 x 3/4 x 4-1/2	3/16	2445012		T-2-L	5/8 x 1-1/2 x 8	3/8	5610224	
0-S	3/8 x 7/8 x 5	1/4	2435016		T-3-S	3/4 x 1-3/4 x 9	7/16	5610028	
0-R	3/8 x 7/8 x 5	1/4	2440016		T-3-R	3/4 x 1-3/4 x 9	7/16	5610128	
0-L	3/8 x 7/8 x 5	1/4	2445016		T-3-L	3/4 x 1-3/4 x 9	7/16	5610228	
1-S	1/2 x 1-1/8 x 6	5/16	2435020		T-4-S	7/8 x 1-7/8 x 10	1/2	5610032	
1-R	1/2 x 1-1/8 x 6	5/16	2440020		T-4-R	7/8 x 1-7/8 x 10	1/2	5610132	
1-L	1/2 x 1-1/8 x 6	5/16	2445020		T-4-L	7/8 x 1-7/8 x 10	1/2	5610232	
2-S	5/8 x 1-3/8 x 7	3/8	2435024		T-5-S	1 x 2-1/8 x 12	5/8	5610040	
2-R	5/8 x 1-3/8 x 7	3/8	2440024		T-5-R	1 x 2-1/8 x 12	5/8	5610140	
2-L	5/8 x 1-3/8 x 7	3/8	2445024		T-5-L	1 x 2-1/8 x 12	5/8	5610240	
3-S	3/4 x 1-5/8 x 8	7/16	2435028		T-6-S	1-1/4 x 2-1/4 x 13	3/4	5610048	
3-R	3/4 x 1-5/8 x 8	7/16	2440028		T-6-R	1-1/4 x 2-1/4 x 13	3/4	5610148	
3-L	3/4 x 1-5/8 x 8	7/16	2445028		T-6-L	1-1/4 x 2-1/4 x 13	3/4	5610248	
4-S	7/8 x 1-3/4 x 9	1/2	2435032						
4-R	7/8 x 1-3/4 x 9	1/2	2440032						
4-L	7/8 x 1-3/4 x 9	1/2	2445032						
5-S	1 x 2 x 11	5/8	2435040						
5-R	1 x 2 x 11	5/8	2440040						
5-L	1 x 2 x 11	5/8	2445040						
6-S	1-1/4 x 2-1/4 x 13	3/4	2435048						
6-R	1-1/4 x 2-1/4 x 13	3/4	2440048						
6-L	1-1/4 x 2-1/4 x 13	3/4	2445048						

*Ideal for mini-lathes.

LATHE TOOL KIT

SERIES 639:

- 20pc starter set is perfect for tooling mini lathes and other machinery.
- Set includes 5" straight, left hand and right hand tool holders with 1/4" x 2-1/2" HSS tool bits.
- 6-3/4" long double ended boring bar with hex key, holder and 1/4" x 2-1/2" HSS tool bit.
- 4" double wheel pivot head knurling tool fitted with HSS knurls.
- 4-1/2" straight shank cut off tool holder supplied with 3/32" x 1/2" HSS Cut off blade.
- 1/2" lathe dog bent, 1/2" lathe dog straight and T-slot cleaner.
- 7" Heavy duty knurled scriber, 3/32" square head center punch, 6"/150mm stainless steel rule and 6" divider.



Order No. 6390020 Price:

KNURLMASTER HAND KNURLER

SERIES 930:



- Excellent for "on the spot" repair work.
- The Standard Knurlmaster Kit includes a case and one set of Medium pitch, Straight (AA) pattern knurls.
- The Deluxe Knurlmaster Kit includes a case with one set each Coarse, Medium and Fine pitch, Straight (AA) and Diamond (BL and BR) pattern knurls. Knurl size: H - 1/2 x 1/4 x 3/16"

Description	Capacity	Order No.	Price
Knurlmaster Standard Kit	1/8 - 1"	9300129	
Knurlmaster Deluxe Kit	1/8 - 1"	9300130	