

DOUBLE ENDED BORING BARS

SERIES 605:



Each bar has two precision broached holes, 45° on one end and 90° on the other end. Standard tool bits (H.S.S., CO., Carbide Tipped) are held firmly in place by a set screw. Bars can be held in boring tool holders, boring heads and drill chucks.

Diameter of Bar	Overall Length	Size of Tool Bit	Order No.	Price
1/4	5	5/32 Round	6050016	
5/16	5	3/16 Round	6050020	
3/8*	6	3/16 Round	6050024	
1/2*	6	3/16 Square	6050032	
9/16	9	3/16 Square	6050036	
5/8*	10	1/4 Square	6050040	
3/4*	12	1/4 Square	6050048	
1*	12	5/16 Square	6050064	
1	12	3/8 Square	6050065	
1-1/8	14	7/16 Square	6050072	
1-1/4	16	1/2 Square	6050080	
1-1/2	18	1/2 Square	6050096	

* Sizes included in set below.

DOUBLE ENDED BORING BAR SET - 5 PC.

SERIES 605:



Consisting of 1 each of the above items marked with a (*) on a fitted wooden block.

Order No. 6045000
Price



BORING BARS WITH HOLDERS

SERIES 660:



Tool Bits not included.

Made from Tool Steel. Each bar has two precision broached holes, 45° on one end and 90° on the other end. Standard tool bits (H.S.S., CO., Carbide Tipped) are held firmly in place by a set screw. Comes complete with screws and hex keys.

Bar Size		Holder Size		Size of Tool Bit (Square)	Order No.	Price
Dia.	Length	Length	Square			
3/8	4-1/2	2-1/4	9/16	1/8	6600008	
7/16	5-1/4	2-1/2	5/8	3/16	6600012	
9/16	6-3/4	3	3/4	1/4	6600016	
3/4	9-1/4	3-3/4	1	5/16	6600020	
7/8	11-1/2	4-1/2	1-1/4	3/8	6600024	
1-1/8	13-1/2	5-1/4	1-3/8	7/16	6600028	
1-1/4	15-1/2	6	1-5/8	1/2	6600032	

DOUBLE ENDED CALIBRATED BORING BARS

SERIES 605:



Permanently graduated in 1/4" calibration to speed production by indicating depth of bore.

Order No.	Diameter of Bar	Overall Length	Tool Bit Size	Price
6050100	3/8"	6"	3/16" Round	
6050101	1/2"	6"	3/16" Square	
6050102	1/2"	9"	3/16" Square	
9050103	5/8"	10"	3/16" Square	
6050104	3/4"	12"	1/4" Square	
6050105	1"	12"	1/4" Square	
6050106	1-1/4"	16"	3/8" Square	
6050107	1-1/2"	18"	3/8" Square	

5PC FLY CUTTER HOLDER SET

SERIES 427:



- Consists of 4 Pcs with 1/2" (12.7mm) shank suitable for 3/16" (4.50mm), 1/4" (6mm), 5/16" (8mm), 3/8" (9.5mm) tool bits and 1 pc with 5/8" (15.8mm) shank suitable for 1/2" (12.7mm) tool bits
- Supplied on a wooden stand without tool bits.

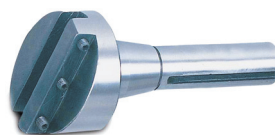
Order No. 2430050
Price

FLY CUTTER TOOL HOLDERS

SERIES 427:



Use standard tool bits for machining up to 6" wide surface. Made of hardened steel and counter balanced for faster feeds and smoother finishes. Sets of 3 tools each are supplied on a wooden stand.



Dia. of Head	Dia. of Shank	Size of Tool Bit	Order No.	Price
3/4	1/2	3/16	2434832	
1-1/8	1/2	1/4	2437232	
1-1/2	1/2	5/16	2439632	
3 pc. Set of above.			2430032	
1-1/2	3/4	5/16	2439648	
2	3/4	5/16	2432048	
2-1/2	3/4	5/16	2432548	
3 pc. Set of above.			2430048	
2-1/2	R-8	5/16	2430025	

CARBIDE TIPPED BORING BARS - HEAVY DUTY

SERIES 145 : C2 GENERAL PURPOSE GRADE
SERIES 146 : C6 STEEL GRADE



*Ground Shanks

*Shank Tolerance + .0000"; -.001"

Shank Dia.	Overall Length	Bore Depth	Min. Bore	Tool No.	General Purpose	Steel Grade	Price
3/8	2	3/4	5/16	MA5S	3222401	3262401	
3/8	2-3/8	1-1/8	5/16	MA5M	3222402	3262402	
3/8	2-3/4	1-1/2	5/16	MA5L	3222403	3262403	
3/8	2-3/16	15/16	3/8	MA3S	3222404	3262404	
3/8	2-21/32	1-13/32	3/8	MA3M	3222405	3262405	
3/8	3-1/8	1-7/8	3/8	MA3L	3222406	3262406	
3/8	2-3/8	1-1/8	7/16	MA7S	3222407	3262407	
3/8	2-15/16	1-7/8	7/16	MA7M	3222408	3262408	
3/8	3-1/2	2-1/4	7/16	MA7L	3222409	3262409	
9 pc. 3/8" Sk. set consisting of 1 each of above.					3222400	3262400	
1/2	2-1/4	3/4	5/16	MB5S	3223201	3263201	
1/2	2-5/8	1-1/8	5/16	MB5M	3223202	3263202	
1/2	3	1-1/2	5/16	MB5L	3223203	3263203	
1/2	2-5/8	1-1/8	7/16	MB7S	3223204	3263204	
1/2	3-3/16	1-11/16	7/16	MB7M	3223205	3263205	
1/2	3-3/4	2-1/4	7/16	MB7L	3223206	3263206	
1/2	3	1-1/2	9/16	MB9S	3223207	3263207	
1/2	3-3/4	2-1/4	9/16	MB9M	3223208	3263208	
1/2	4-1/2	3	9/16	MB9L	3223209	3263209	
9 pc. 1/2" Sk. set consisting of 1 each of above.					3223200	3263200	
5/8	2-1/4	3/4	5/16	MC5S	3224001	3264001	
5/8	2-5/8	1-1/8	5/16	MC5M	3224002	3264002	
5/8	3	1-1/2	5/16	MC5L	3224003	3264003	
5/8	2-5/8	1-1/8	7/16	MC7S	3224004	3264004	
5/8	3-3/16	1-11/16	7/16	MC7M	3224005	3264005	
5/8	3-3/4	2-1/4	7/16	MC7L	3224006	3264006	
5/8	3	1-1/2	9/16	MC9S	3224007	3264007	
5/8	3-3/4	2-1/4	9/16	MC9M	3224008	3264008	
5/8	4-1/2	3	9/16	MC9L	3224009	3264009	
5/8	3-3/8	1-7/8	11/16	MC11S	3224110	3264110	
5/8	4-5/16	2-13/16	11/16	MC11M	3224111	3264111	
5/8	5-1/4	3-3/4	11/16	MC11L	3224112	3264112	
12 pc. 5/8" Sk. set consisting of 1 each of above.					3224000	3264000	
3/4	3-1/8	1-1/8	7/16	MD7S	3224801	3264801	
3/4	3-11/16	1-11/16	7/16	MD7M	3224802	3264802	
3/4	4-1/4	2-1/4	7/16	MD7L	3224803	3264803	
3/4	3-1/2	1-1/2	9/16	MD9S	3224804	3264804	
3/4	4-1/4	2-1/4	9/16	MD9M	3224805	3264805	
3/4	5	3	9/16	MD9L	3224806	3264806	
3/4	3-7/8	1-7/8	11/16	MD11S	3224807	3264807	
3/4	4-13/16	2-13/16	11/16	MD11M	3224808	3264808	
3/4	5-3/4	3-3/4	11/16	MD11L	3224809	3264809	
3/4	4-1/4	2-1/4	13/16	MD13S	3224810	3264810	
3/4	5-3/8	3-3/8	13/16	MD13M	3224811	3264811	
3/4	6-1/2	4-1/2	13/16	MD13L	3224812	3264812	
12 pc. 3/4" Sk. set consisting of 1 each of above.					3224800	3264800	
1	5	3	9/16	ME9L	3226401	3266401	
1	5-3/4	3-3/4	11/16	ME11L	3226402	3266402	
1	6-1/2	4-1/2	7/8	ME14L	3226403	3266403	
1	6-1/2	4-1/2	1-1/16	ME18L	3226404	3266404	
1	7-3/4	5-3/4	1-1/8	ME20L	3226405	3266405	
1	8-1/4	6-1/4	1-1/2	ME24L	3226406	3266406	
1	9-1/2	7-1/2	1-5/8	ME26L	3226407	3266407	
7 pc. 1" Sk. set consisting of 1 each of above.					3226400	3266400	

COBALT BORING BARS - HEAVY DUTY

SERIES 147:



*Ground Shanks

*Shank Tolerance + .0000"; -.0005"

Shank Dia.	Overall Length	Bore Depth	Min. Bore	Tool No.	Order No.	Price
3/8	1-13/16	9/16	3/16	MAH3S	3352401	
3/8	2-3/16	15/16	3/16	MAH3L	3352402	
3/8	2	3/4	1/4	MAH4S	3352403	
3/8	2-1/2	1-1/4	1/4	MAH4L	3352404	
3/8	2-3/16	15/16	5/16	MAH5S	3352405	
3/8	2-13/16	1-9/16	5/16	MAH5L	3352406	
3/8	2-3/8	1-1/8	3/8	MAH6S	3352407	
3/8	3-1/8	1-7/8	3/8	MAH6L	3352408	
8 pc. 3/8" Sk. set consisting of 1 each of above.					3352400	
1/2	2-1/8	3/4	1/4	MBH4S	3353201	
1/2	2-5/8	1-1/4	1/4	MBH4L	3353202	
1/2	2-5/16	15/16	5/16	MBH5S	3353203	
1/2	2-15/16	1-9/16	5/16	MBH5L	3353204	
1/2	2-1/2	1-1/8	3/8	MBH6S	3353205	
1/2	3-1/4	1-7/8	3/8	MBH6L	3353206	
1/2	2-11/16	1-5/16	7/16	MBH7S	3353207	
1/2	3-9/16	2-3/16	7/16	MBH7L	3353208	
1/2	2-7/8	1-1/2	1/2	MBH8S	3353209	
1/2	3-7/8	2-1/2	1/2	MBH8L	3353210	
10 pc. 1/2" Sk. set consisting of 1 each of above.					3353200	
5/8	2-5/8	1-1/8	3/8	MCH6S	3354001	
5/8	3-3/8	1-7/8	3/8	MCH6L	3354002	
5/8	2-13/16	1-5/16	7/16	MCH7S	3354003	
5/8	3-11/16	2-3/16	7/16	MCH7L	3354004	
5/8	3	1-1/2	1/2	MCH8S	3354005	
5/8	4	2-1/2	1/2	MCH8L	3354006	
5/8	3-3/16	1-11/16	9/16	MCH9S	3354007	
5/8	4-5/16	2-13/16	9/16	MCH9L	3354008	
5/8	3-3/8	1-7/8	5/8	MCH10S	3354009	
5/8	4-5/8	3-1/8	5/8	MCH10L	3354010	
10 pc. 5/8" Sk. set consisting of 1 each of above.					3354000	
3/4	2-7/8	1-1/8	3/8	MDH6S	3354801	
3/4	3-5/8	1-7/8	3/8	MDH6L	3354802	
3/4	3-1/16	1-5/16	7/16	MDH7S	3354803	
3/4	3-15/16	2-3/16	7/16	MDH7L	3354804	
3/4	3-1/4	1-1/2	1/2	MDH8S	3354805	
3/4	4-1/4	2-1/2	1/2	MDH8L	3354806	
3/4	3-7/16	1-11/16	9/16	MDH9S	3354807	
3/4	4-9/16	2-13/16	9/16	MDH9L	3354808	
3/4	3-5/8	1-7/8	5/8	MDH10S	3354809	
3/4	4-7/8	3-1/8	5/8	MDH10L	3354810	
3/4	3-13/16	2-1/16	11/16	MDH11S	3354811	
3/4	5-3/16	3-7/16	11/16	MDH11L	3354812	
3/4	4	2-1/4	3/4	MDH12S	3354813	
3/4	5-1/2	3-3/4	3/4	MDH12L	3354814	
14 pc. 3/4" Sk. set consisting of 1 each of above.					3354800	



**See INDEX for
Boring Heads and
Boring Tool Holders.**

**SUPER-BORE CARBIDE TIPPED
BORING BARS**MADE IN U.S.A.— EXCLUSIVELY BY A.P.T.
SERIES 978:

C-6 Steel Grade

- HIGH QUALITY ALLOY STEEL FOR GREATER RIGIDITY

- PRECISION GROUND SHANKS

- OFFSET TAPER TO PROVIDE GREATER RIGIDITY AT CUTTING POINT

3/8" SHANK

Min. Bore	Bore Depth	Overall Length	Tool No.	Order No.	Price
5/16	3/4	2	PA5S	9784450	
5/16	1-1/8	2-3/8	PA5M	9784448	
5/16	1-1/2	2-3/4	PA5L	9784446	
3/8	15/16	2-3/16	PA3S	9784444	
3/8	1-13/32	2-21/32	PA3M	9784442	
3/8	1-7/8	3-1/8	PA3L	9784440	
7/16	1-1/8	2-3/8	PA7S	9784456	
7/16	1-11/16	3-15/16	PA7M	9784454	
7/16	2-1/4	3-1/2	PA7L	9784452	

1/2" SHANK

Min. Bore	Bore Depth	Overall Length	Tool No.	Order No.	Price
5/16	3/4	2-1/4	PB5S	9784464	
5/16	1-1/8	2-5/8	PB5M	9784462	
5/16	1-1/2	3	PB5L	9784460	
7/16	1-1/8	2-5/8	PB7S	9784470	
7/16	1-11/16	3-3/16	PB7M	9784468	
7/16	2-1/4	3-3/4	PB7L	9784466	
9/16	1-1/2	3	PB9S	9784476	
9/16	2-1/4	3-3/4	PB9M	9784474	
9/16	3	4-1/2	PB9L	9784472	

5/8" SHANK

Min. Bore	Bore Depth	Overall Length	Tool No.	Order No.	Price
5/16	3/4	2-1/4	PC5S	9784484	
5/16	1-1/8	2-5/8	PC5M	9784482	
5/16	1-1/2	3	PC5L	9784480	
7/16	1-1/8	2-5/8	PC7S	9784490	
7/16	1-11/16	3-3/16	PC7M	9784488	
7/16	2-1/4	3-3/4	PC7L	9784486	
9/16	1-1/2	3	PC9S	9784496	
9/16	2-1/4	3-3/4	PC9M	9784494	
9/16	3	4-1/2	PC9L	9784492	
11/16	1-7/8	3-3/8	PC11S	9784502	
11/16	2-13/16	4-5/16	PC11M	9784500	
11/16	3-3/4	5-1/4	PC11L	9784499	

3/4" SHANK

Min. Bore	Bore Depth	Overall Length	Tool No.	Order No.	Price
7/16	1-1/8	3-1/8	PD7S	9784510	
7/16	1-11/16	3-11/16	PD7M	9784508	
7/16	2-1/4	4-1/4	PD7L	9784506	
9/16	1-1/2	3-1/2	PD9S	9784516	
9/16	2-1/4	4-1/4	PD9M	9784514	
9/16	3	5	PD9L	9784512	
11/16	1-7/8	3-7/8	PD11S	9784522	
11/16	2-13/16	4-13/16	PD11M	9784520	
11/16	3-3/4	5-3/4	PD11L	9784518	
13/16	2-1/4	4-1/4	PD13S	9784528	
13/16	3-3/8	5-3/8	PD13M	9784526	
13/16	4-1/2	6-1/2	PD13L	9784524	

1" SHANK

Min. Bore	Bore Depth	Overall Length	Tool No.	Order No.	Price
7/16	1-3/4	3-3/4	PE7S	9784532	
9/16	2-1/4	4-1/4	PE9S	9784534	
9/16	3	5	PE9L	9784536	
11/16	3	5	PE11S	9784540	
11/16	3-3/4	5-3/4	PE11L	9784538	
13/16	3-3/4	5-3/4	PE13L	9784542	
7/8	4-1/2	6-1/2	PE14L	9784544	
15/16	3-3/4	5-3/4	PE15S	9784546	
1-1/16	4-1/2	6-1/2	PE17L	9784548	
1-1/4	5-3/4	7-3/4	PE20L	9784550	
1-1/2	6-1/4	8-1/4	PE24L	9784552	
1-5/8	7-1/2	9-1/2	PE26L	9784554	

BORING BARS SETS**3/8" SHANK**

SET NO. PA375
9 Piece Set
Contains 1 Piece of Each:
3/8" Shank Boring
Bars Shown Above

Order No. 9784458Price **1/2" SHANK**

SET NO. PB500
9 Piece Set
Contains 1 Piece of Each:
1/2" Shank Boring
Bars Shown Above

Order No. 9784478Price

ALL SETS ARE SUPPLIED IN
WOOD STANDS

1" SHANK**SET NO. PE1000S**

Standard Length
5 Piece Set
Contains 1 Piece of Each:
1" Shank Boring Bars
PE7S, PE9S, PE11S, PE15S, PE17L

Order No. 9784558Price **SET NO. PE1000L**

Long Length
5 Piece Set
Contains 1 Piece of Each:
1" Shank Boring Bars
PE11L, PE17L, PE20L, PE24L, PE26L

Order No. 9784556Price **5/8" SHANK**

SET NO. PC625
12 Piece Set
Contains 1 Piece of Each:
5/8" Shank Boring
Bars Shown Above

Order No. 9784504Price **3/4" SHANK**

SET NO. PD750
12 Piece Set
Contains 1 Piece of Each:
3/4" Shank Boring
Bars Shown Above

Order No. 9784530Price



CO-BORE BORING BARS

MADE IN U.S.A. — EXCLUSIVELY BY A.P.T.
PREMIUM COBALT BORING BARS AT HIGH SPEED PRICES!
SERIES 978 :



Made of premium cobalt high speed steel in a one piece construction, these boring bars may also be modified to a special grooving tool to produce various internal shapes and radii. Cobalt is an ideal tool material because of its high red-hardness, abrasive resistance and ability to maintain a sharp edge. In addition, cobalt is used successfully to significantly extend tool life.

3/8" SHANK					
Min. Bore	Bore Depth	Overall Length	Tool No.	Order No.	Price
3/16	9/16	1-13/16	COA3S	9784620	
3/16	15/16	2-3/16	COA3L	9784619	
1/4	3/4	2	COA4S	9784622	
1/4	1-1/4	2-1/2	COA4L	9784621	
5/16	15/16	2-3/16	COA5S	9784624	
5/16	1-9/16	2-13/16	COA5L	9784623	
3/8	1-1/8	2-3/8	COA6S	9784626	
3/8	1-7/8	3-1/8	COA6L	9784625	



SETS					
3/8" SHANK					
SET NO. COAH375					
Includes all 8 pieces shown at left.					
Supplied in wood block.					
Order No. 9784627					
Price					
1/2" SHANK					
SET NO. COBH500					
Includes all 10 pieces shown at right.					
Supplied in wood block.					
Order No. 9784638					
Price					
5/8" SHANK					
SET NO. COCH625					
Includes all 10 pieces shown at left.					
Supplied in wood block.					
Ordering No. 9784649					
Price					
3/4" SHANK					
SET NO. CODH750					
Includes all 14 pieces shown at right.					
Supplied in wood block.					
Order No. 9784664					
Price					

1/2" SHANK					
Min. Bore	Bore Depth	Overall Length	Tool No.	Order No.	Price
1/4	3/4	2-1/8	COB4S	9784629	
1/4	1-1/4	2-5/8	COB4L	9784628	
5/16	15/16	2-5/16	COB5S	9784631	
5/16	1-9/16	2-15/16	COB5L	9784630	
3/8	1-1/8	2-1/2	COB6S	9784633	
3/8	1-7/8	3-1/4	COB6L	9784632	
7/16	1-5/16	2-11/16	COB7S	9784635	
7/16	2-3/16	3-9/16	COB7L	9784634	
1/2	1-1/2	2-7/8	COB8S	9784637	
1/2	2-1/2	3-7/8	COB8L	9784636	

5/8" SHANK					
Min. Bore	Bore Depth	Overall Length	Tool No.	Order No.	Price
3/8	1-1/8	2-5/8	COC6S	9784640	
3/8	1-7/8	3-3/8	COC6L	9784639	
7/16	1-5/16	2-13/16	COC7S	9784642	
7/16	2-13/16	3-11/16	COC7L	9784641	
1/2	1-1/2	3	COC8S	9784644	
1/2	2-1/2	4	COC8L	9784643	
9/16	1-11/16	3-3/16	COC9S	9784646	
9/16	2-13/16	4-5/16	COC9L	9784645	
5/8	1-7/8	3-3/8	COC10S	9784648	
5/8	3-1/8	4-5/8	COC10L	9784647	

3/4" SHANK					
Min. Bore	Bore Depth	Overall Length	Tool No.	Order No.	Price
3/8	1-1/8	2-7/8	COD6S	9784651	
3/8	1-7/8	3-5/8	COD6L	9784650	
7/16	1-5/16	3-1/16	COD7S	9784653	
7/16	2-3/16	3-15/16	COD7L	9784652	
1/2	1-1/2	3-1/4	COD8S	9784655	
1/2	2-1/2	4-1/4	COD8L	9784654	
9/16	1-11/16	3-7/16	COD9S	9784657	
9/16	2-13/16	4-9/16	COD9L	9784656	
5/8	1-7/8	3-5/8	COD10S	9784659	
5/8	3-1/8	4-7/8	COD10L	9784658	
11/16	2-1/16	3-13/16	COD11S	9784661	
11/16	3-7/16	5-3/16	COD11L	9784660	
3/4	2-1/4	4	COD12S	9784663	
3/4	3-3/4	5-1/2	COD12L	9784662	



MINI-BORE BORING BARS

MADE IN USA — SOLID CARBIDE STEMS — STEEL SHANKS
SERIES 978:



3/8" SHANK

SET NO. MA375

6 Piece Set

Includes 1 Piece of Each:
MA1, MA2, MA3, MA4, MA5, MA6
Supplied in Wood Block.

Order No. 9785895
Price

SINGLE TOOLS					
Min. Bore	Bore Depth	Overall Length	Tool No.	Order No.	Price
3/8" SHANK					
1/16	5/16	1-9/16	MA 1	9785904	
3/32	15/32	1-23/32	MA 2	9785890	
1/8	5/8	1-7/8	MA 3	9785891	
5/32	25/32	2-1/32	MA 4	9785892	
3/16	15/16	2-3/16	MA 5	9785893	
1/4	1-1/4	2-1/2	MA 6	9785894	
1/2" SHANK					
1/16	5/16	1-13/16	MB1	9785896	
3/32	15/32	1-15/16	MB2	9785897	
1/8	5/8	2-1/8	MB3	9785898	
5/32	25/32	2-1/4	MB4	9785899	
3/16	15/16	2-7/16	MB5	9785900	
1/4	1-1/4	2-13/16	MB6	9785901	



1/2" SHANK

SET NO. MB500

6 Piece Set

Includes 1 Piece of Each:
MB1, MB2, MB3, MB4, MB5, MB6
Supplied in Wood Block.

Order No. 9785903
Price



STUBBY BORING BARS

HIGH SPEED AND CARBIDE TIPPED

MADE IN U.S.A.

SERIES 978 :



• MAXIMUM RIGIDITY

• PRECISION GROUND SHANKS

• SHANKS FEATURE SET SCREW FLATS



HIGH SPEED STEEL

Min. Bore	Bore Depth	Overall Length	Tool No.	Order No.	Price
1/2" SHANK					
1/8	1/4	1-21/32	PSBH2	9784672	
3/16	5/16	1-13/16	PSBH3	9784673	
1/4	7/16	2	PSBH4	9784674	
5/16	9/16	2-3/16	PSBH5	9784675	
3/8	11/16	2-3/8	PSBH6	9784676	
1/2	13/16	2-9/16	PSBH8	9784677	
5/8" SHANK					
3/8	11/16	2-5/16	PSCH6	9784683	
1/2	15/16	2-9/16	PSCH8	9784684	
5/8	1-1/8	2-3/4	PSCH10	9784685	
3/4" SHANK					
1/2	1-5/16	2-15/16	PSDH8	9784691	
3/4	1-17/32	3-5/32	PSDH12	9784692	
1	1-3/4	3-3/8	PSDH16	9784693	
1" SHANK					
3/4	1-17/32	3-5/32	PSEH12	9784699	
1	1-3/4	3-3/8	PSEH16	9784700	
1-1/4	1-31/32	3-19/32	PSEH20	9784701	

CARBIDE TIPPED

Min. Bore	Bore Depth	Overall Length	Tool No.	Order No.	Price
1/2" SHANK					
1/8	1/4	1-21/32	PSBC2	9784665	
3/16	5/16	1-13/16	PSBC3	9784666	
1/4	7/16	2	PSBC4	9784667	
5/16	9/16	2-3/16	PSBC5	9784668	
3/8	11/16	2-3/8	PSBC6	9784669	
1/2	13/16	2-9/16	PSBC8	9784670	
5/8" SHANK					
3/8	11/16	2-5/16	PSCC6	9784679	
1/2	15/16	2-9/16	PSCC8	9784680	
5/8	1-1/8	2-3/4	PSCC10	9784681	
3/4" SHANK					
1/2	1-5/16	2-15/16	PSDC8	9784687	
3/4	1-17/32	3-5/32	PSDC12	9784688	
1	1-3/4	3-3/8	PSDC16	9784689	
1" SHANK					
3/4	1-17/32	3-5/32	PSEC12	9784695	
1	1-3/4	3-3/8	PSEC16	9784696	
1-1/4	1-31/32	3-19/32	PSEC20	9784697	



HIGH SPEED STEEL SETS

1/2" SHANK	5/8" SHANK
SET NO. PSBH500 6 Piece Set Contains 1 piece of each: 1/8, 3/16, 1/4, 5/16, 3/8, 1/2 Supplied in wood block. Order No. 9784678 Price	SET NO. PSCH625 3 Piece Set Contains 1 piece of each: 3/8, 1/2 and 5/8 Supplied in wood block. Order No. 9784686 Price
3/4" SHANK	1" SHANK
SET NO. PSDH750 3 Piece Set Contains 1 piece of each: 1/2, 3/4 and 1" Supplied in wood block. Order No. 9784694 Price	SET NO. PSEH1000 3 Piece Set Contains 1 piece of each: 3/4, 1" and 1-1/4 Supplied in wood block. Order No. 9784702 Price

CARBIDE TIPPED SETS

1/2" SHANK	5/8" SHANK
SET NO. PSBC500 6 Piece Set Contains 1 piece of each: 1/8, 3/16, 1/4, 5/16, 3/8, 1/2 Supplied in wood block. Order No. 9784671 Price	SET NO. PSCC625 3 Piece Set Contains 1 piece of each: 3/8, 1/2 and 5/8 Supplied in wood block. Order No. 9784682 Price
3/4" SHANK	1" SHANK
SET NO. PSDC750 3 Piece Set Contains 1 piece of each: 1/2, 3/4 and 1" Supplied in wood block. Order No. 9784690 Price	SET NO. PSEC1000 3 Piece Set Contains 1 piece of each: 3/4, 1 and 1-1/4 Supplied in wood block. Order No. 9784698 Price

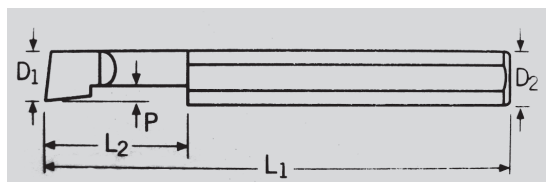
MICRO SIZE SOLID CARBIDE BORING TOOLS

SERIES 710:



Tolerances:

- Shank Dia. $-.0001''$ to $-.0003''$
- Min. Bore Dia. $+.000''$, $-.005''$
- Max Bore Depth $+.050''$, $-.000''$
- Overall Length $\pm 1/64$



Min. Bore Size D1	Shank Dia. D2	Overall Length L1	Bore Depth L2	Projection P	Order No.	Price
.050	1/8	1-1/2	.150	.013	950150	
.050	1/8	1-1/2	.200	.013	950200	
.050	1/8	1-1/2	.300	.013	50300	
.060	1/8	1-1/2	.150	.015	9960150	
.080	1/8	1-1/2	.150	.020	980150	
.080	1/8	1-1/2	.200	.020	980200	
.080	1/8	1-1/2	.300	.020	980300	
.100	1/8	1-1/2	.300	.025	100300	
.120	3/16	2	.250	.030	9120250	
.120	3/16	2	.350	.030	120350	
.120	3/16	2	.500	.030	120500	
.120	3/16	2	.600	.030	120600	
.140	3/16	2	.400	.035	9940400	
.140	3/16	2	.500	.035	9940500	
.140	3/16	2	.600	.035	940600	
.160	3/16	2	.400	.040	160400	
.160	3/16	2	.500	.040	160500	

HIGH SPEED STEEL

KEYWAY BROACH SETS

SERIES 144: MEDA - SUPERIOR IMPORT

SERIES 616: HASSAY SAVAGE USA

All broach sets are supplied in fitted boxes and come complete with broaches, slotted bushings, and necessary shims.



MEDA
Superior Import



Set No.	Keyway Comb.	Broach Sizes	Bushings*	MEDA		Hassay Savage	
				Order No.	Price	Order No.	Price
1	15	1/16-I, 3/32-I, 1/8-I	I: 1/4, 5/16, 3/8, 7/16, 1/2	5868500		1440000	
C2-A	14	1/8-II, 3/16-III, 1/4-III	II: 1/2, 5/8, 3/4, 7/8 III: 1, 1-1/8, 1-1/4, 1-3/8, 1-1/2	-		1440005	
C-1	18	1/8-II, 3/16-II, 1/4-III, 3/8-III	II: 1/2, 5/8, 3/4, 7/8 III: 1, 1-1/8, 1-1/4, 1-3/8, 1-1/2	5868510		1440010	
C-1A	18	1/8-II, 3/16-II, 1/4-III, 3/8-III	II: 9/16, 11/16, 13/16 III: 15/16, 1-1/16, 1-3/16, 1-5/16, 1-7/16, 1-9/16	-		1440011	
C-10	36	1/8-II, 3/16-II, 1/4-III, 3/8-III	II: 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8 III: 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 1-1/2, 1-9/16	5868511		1441011	
C10-A	30	1/8-II, 3/16-III, 1/4-III	II: 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8 III: 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 1-1/2, 1-9/16	-		1440015	
3-D	32	5/16-IV, 3/8-IV, 7/16-IV, 1/2-IV	IV: 1-1/2, 1-5/8, 1-3/4, 1-7/8, 2, 2-1/8, 2-1/4, 2-1/2	-		1440041	
M10	10	2mm-I, 3mm-I	I: 6, 7, 8, 9, 10mm	-		0015410	
M18	18	4mm-II, 5mm-II 6mm-III, 8mm-III	II: 12, 14, 16, 18mm III: 20, 22, 24, 26, 28mm	-		0015418	
M26	26	4mm-II, 5mm-II 6mm-III, 8mm-III	II: 12, 14, 15, 16mm III: 18, 19, 20, 22, 24, 25, 26, 28, 30mm	5868570		-	
M40	36	2mm-I, 3mm-I 4mm-II, 5mm-II 6mm-III, 8mm-III	I: 8, 10mm II: 12, 14, 16, 18mm III: 18, 19, 20, 22, 24, 25, 26, 28, 30, 32, 34, 36mm	-		1615440	

*All Bushings supplied with sets 1, C-1, C-1A, and C-10 are collared. Bushings supplied with set 3-D are plain.



Please inquire for other set configurations as well as other types of broaches. See Index for Arbor Presses.