

BORING HEAD SETS

SERIES 420:



Processing Range .2" - 10"
Rigid construction: Finest materials and craftsmanship are employed to combine strength, flexibility and accuracy in a tool of unique design. 2 vertical boring tool holes: one centered and one offset. One cross hole for greater versatility and capacity. Dependable adjustment: far spread graduations for closer reading. Perfectly balanced for high speed operation. Precision ground and hardened integral shank for rigidity and smooth operation.



Dial Readings: .01mm

Set includes boring head, fitted case, and an assortment of boring bars and holders to permit a great variety of machining operations.

Shank	Drawbar Thread	Order No.	Price
R8	7/16-20	4200105	
NT40	5/8-11	4200107	

BORING HEADS

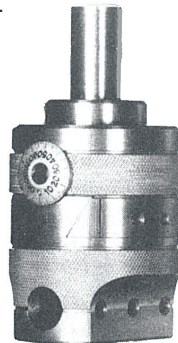
SERIES 420:



- Combines the adaptability of a 2" Boring Head with the capacity of a 3" Boring Head.
- Manufactured under rigid quality control standards to insure accuracy and stability.
- Body integrity combined with new dovetail design practically eliminates chatter in fully extended position.
- Unconditional lifetime warranty by Manufacturer.

Specifications:

- Diameter of body: 2-1/2"
- Length of body: 3-7/16"
- Direct dial reading: .001"
- Boring capacity: up to 4"
- Standard tooling: 1/2"
- Offset: 3/4"



Model No.	Shank	Order No.	Price
BHR8B	R8	4205008	
BH34B	3/4	4205034	

BORING HEADS

SERIES 420:



These boring heads are of extremely high quality. The hardened and ground adjusting screw ensures utmost precision and long life. Widespread .001" graduations permit even finer adjustments. Two vertical boring tool holes (one centered and one offset) as well as a cross hole result in great versatility.



Dia.	Threaded Hole	Boring Tool Hole Size	Offset	Order No.	Price
2	7/8 - 20	1/2	5/8	2395002	
3	1-1/2 - 18	3/4	1	2395003	
4	1-1/2 - 18	1	1-5/8	2395004	
50mm	7/8 - 20	12mm	15mm	2395001	

BORING HEAD SETS

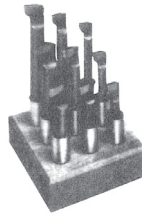
SERIES 420:



Hardened and ground adjusting screw, .001" graduations for fine adjustment, two vertical boring tool holes (one centered and one offset) and one cross hole.

Set includes:

- Boring Head
- R8 Shank
- Carbide Tipped (Steel Grade) Boring Bar Set



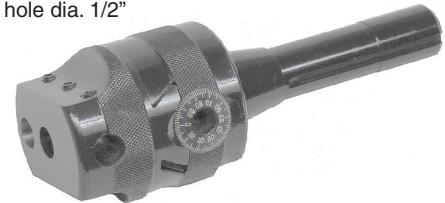
Dia.	Thread Hole	Boring Tool Hole	Offset	Order No.	Price
2	7/8 - 20"	1/2"	5/8"	2395286	
3	1-1/2 - 18"	3/4"	1"	2395386	
4	1-1/2 - 18"	1"	1-5/8"	2395486	

INTEGRATED R-8 SHANK BORING HEAD

SERIES 420:



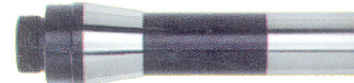
- Integrated shank for maximum rigidity.
- Hardened and Ground body.
- Black oxide finish.
- Cross and vertical hole dia. 1/2"
- Offset travel 3/4"



Order No.	Head Diameter	Overall Length	Graduation	Price
4202128	2-1/2"	7-3/16"	.0005"	

SHANKS FOR BORING HEADS

SERIES 421:

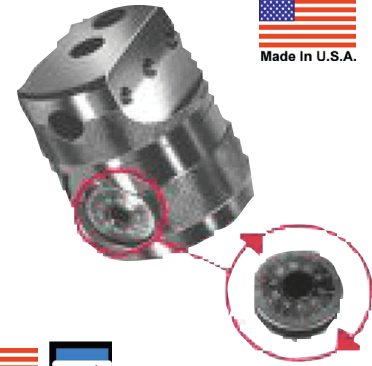


Shank Size	Order No.		Price
	7/8-20 Thread	1-1/2 - 18 Thread	
MT3	2400103	2400003	
MT4	2400104	2400004	
NST30	2400130	2400030	
NST40	2400140	2400040	
R8	2400100	2400000	
3/4	2400148	2400048	
1	2400164	2400064	

BORING HEADS WITH INTERCHANGEABLE SHANKS

SERIES 978:

Head Dia.	Threaded Back	Hole Dia.	Overall Length	Offset Travel	Vert. Hole Spacing	Tool No.	Order No.	Price
2	7/8-20	3/8	2-7/16	3/4	5/8	BHTA	9784713	
2-1/2	7/8-20	1/2	3-3/16	3/4	3/4	BHTB	9784714	
2-1/2	7/8-20	5/8	3-3/16	3/4	3/4	BHTC	9784715	
3	1-1/2-18	3/4	3-1/2	1-1/4	5/16	BHTD	9784716	



INTERCHANGEABLE SHANKS FOR BORING HEADS

SERIES 978:



7/8 — 20 THREAD			
Description	Tool No.	Order No.	Price
2 M.T. with Tang	BHQM2	9784717	
3 M.T. with Tang	BHQM3	9784718	
4 M.T. with Tang	BHQM4	9784719	
#30 N.T. with Draw Bar & Drive Flange	BHQS3	9784720	
#40 N.T. with Draw Bar & Drive Flange	BHQS4	9784721	
1/2" Diameter Straight Shank	BHQ16	9784722	
3/4" Diameter Straight Shank	BHQ24	9784723	
1" Diameter Straight Shank	BHQ32	9784724	
R-8 Shank	BHQR8	9784725	

1-1/2 — 18 THREAD			
Description	Tool No.	Order No.	Price
3 M.T. with Tang	BHXM3	9784726	
4 M.T. with Tang	BHXM4	9784727	
#30 N.T. with Draw Bar & Drive Flange	BHXS3	9784728	
#40 N.T. with Draw Bar & Drive Flange	BHXS4	9784729	
1" Diameter Straight Shank	BHX32	9784730	
1-1/4" Diameter Straight Shank	BHX40	9784731	
1-1/2" Diameter Straight Shank	BHX48	9784732	
R-8 Shank	BHXR8	9784733	

MACHINE TOOL ACCESSORIES

AUTOMATIC BORING AND FACING HEADS

SERIES 420:

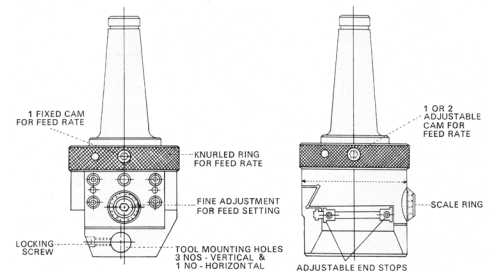
With pre-set stop.

For Boring Mills, Jig Borers, Milling Machines, Radial Drills, and Lathes.

Highly accurate within .002" per 3/4" travel. Automatic facing possible without stopping spindle. Working parts hardened and ground.



Order No.	2395102		2395103		
Price					
Diameter of body	2-3/8		3-1/2		
Shank	R-8*		R-8*		
Height without shank	2-3/4		3-3/4		
No. of feeds per revolution	1	2	1	2	3
Automatic feed (radial) per revolution	.0025"	.005"	.0025"	.005"	.0075"
Radial movement for one graduation or vernier	.0005		.0005		
Vertical tool positions	3		3		
Minimum capacity	1/8		13/64		
Maximum capacity	9-3/4		13-3/4		
Maximum carriage movement (radial)	3/4		1.2		
Maximum speed (for boring only)	1000 RPM (RH only)		700 RPM (RH only)		
Boring bar diameter	1/2		3/4		



Order No. 2395102 supplied with 1 wrench extension.
Order No. 2395103 supplied with 3 wrench extensions.

*Other shanks available; please inquire.

APPLICATIONS:

