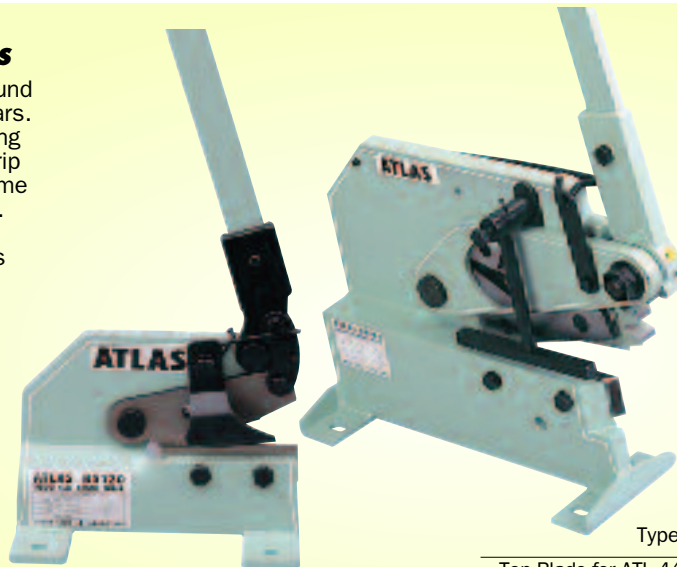


GROUP 448/450 BENCH SHEARS/TURNING & KNURLING TOOLS

ATLAS
WORKHOLDERS

Bench Shears

Hand operated, compound lever action bench shears. Capable of rapidly cutting through metal plate, strip and bar. Solid steel frame for rigidity and strength. With hardened and precision ground blades for accurate cutting. Adjustable blade guard.



Model Number	Plate	Maximum Strip	Bar	Jaw Width	Weight each	Order Code	Price/1 TB
BS120	4mm	5 x 70	10	120	8.3kg	-1200K	8240.00
BS200	6mm	7 x 70	13	200	19.0kg	-2000K	10558.00
BS406	8mm	10 x 100	16	200	43.0kg	-3000K	25750.00

Type	Weight each	Order Code	Price/1 TB
Top Blade for ATL-448-1200K Shear	445g	-3100K	2310.00
Bottom Blade for ATL-448-1200K Shear	250g	-3110K	1421.00
Top Blade for ATL-448-2000K Shear	1.4kg	-3150K	6515.00
Bottom Blade for ATL-448-2000K Shear	790g	-3160K	2961.00
Top Blade for ATL-448-3000K Shear	430g	-3200K	2073.00
Bottom Blade for ATL-448-3000K Shear	220g	-3210K	2961.00

JHL

Single Knurl Toolholder

Machine ground high grade steel, black mottle finish. Fitted as standard with medium pitch straight hand knurl. Right, left and checkered also available separately, see table below. For use with knurl size 3/4" x 1/4" x 1/4".



Size	Knurls Fitted	Weight each	Order Code	Price/1 TB
1/2" x 1/2" x 4"	-1510B	140g	-8050F	2750.00

3/4" x 1/4" x 1/4" Knurls to suit Toolholder above					
Style	Weight each	Order Code JHL-450			Price/1 TB
		Coarse	Medium	Fine	
Straight	10g	-1500A	-1510B	-1520C	721.00
Right Hand	10g	-1600A	-1610B	-1620C	721.00
Left Hand	10g	-1700A	-1710B	-1720C	721.00
Checkered	10g	-1800A	-1810B	-1820C	721.00

Six Knurl Toolholder

Machine ground high grade steel, black mottle finish. Revolving head. For use with knurl size 3/4" x 3/8" x 1/4".



Size	Knurls Fitted	Weight each	Order Code	Price/1 TB
1/2" x 1 1/8" x 6 1/2"	-1110B & -1210B	640g	-8000A	14420.00

Two Knurl Toolholder

Machine ground high grade steel, black mottle finish. Self-adjusting head. For use with knurl size 3/4" x 3/8" x 1/4".



Size	Knurls Fitted	Weight each	Order Code	Price/1 TB
1/2" x 7/8" x 6 1/2"	-1110B & -1210B	290g	-8020C	14420.00

3/4" x 3/8" x 1/4" Knurls to suit Toolholders above					Price/1 TB
Style	Weight each	Order Code JHL-450			
		Coarse	Medium	Fine	
Straight	10g	-1000A	-1010B	-1020C	850.00
Right Hand	10g	-1100A	-1110B	-1120C	850.00
Left Hand	10g	-1200A	-1210B	-1220C	850.00
Checkered	10g	-1300A	-1310B	-1320C	1545.00

Two Knurl Toolholder

Side knurling up to a face or shoulder. For use with knurl size 25 x 10 x 16mm.



Knurls supplied separately

Size	Knurls Fitted	Weight each	Order Code	Price/1 TB
20 x 25 x 85mm	-3110B & -3210B	900g	-8040E	21630.00

25 x 10 x 16mm Knurls to suit Toolholder above

Style	Weight each	Order Code JHL-450			Price/1 TB
		Coarse	Medium	Fine	
Straight	10g	-3000A	-3010B	-3020C	1442.00
Right Hand	10g	-3100A	-3110B	-3120C	1442.00
Left Hand	10g	-3200A	-3210B	-3220C	1442.00

Two Knurl Toolholder

Machine ground high grade steel, black mottle finish. Self-adjusting head. For use with knurl size 5/8" x 5/16" x 7/32".



Knurls supplied separately

Size	Knurls Fitted	Weight each	Order Code	Price/1 TB
3/8" x 7/8" x 5 1/2"	Supplied separately	390g	-8030D	14420.00

5/8" x 5/16" x 7/32" Knurls to suit Toolholder above

Style	Weight each	Order Code JHL-450			Price/1 TB
		Coarse	Medium	Fine	
Straight	10g	-2000A	-2010B	-2020C	721.00
Right Hand	10g	-2100A	-2110B	-2120C	721.00
Left Hand	10g	-2200A	-2210B	-2220C	721.00
Checkered	10g	-2300A	-2310B	-2320C	1236.00

Six Knurl Toolholder

Machine ground high grade steel, black mottle finish. Revolving head. For use with knurl size 5/8" x 3/16" x 1/4".



Knurls supplied separately

Size	Knurls Fitted	Weight each	Order Code	Price/1 TB
1/2" x 7/8" x 6 1/2"	-2610B & -2710B	930g	-8010B	14420.00

5/8" x 3/16" x 1/4"		Knurls to suit Toolholder above			Price/1 TB
Style	Weight each	Order Code JHL-450			
		Coarse	Medium	Fine	
Straight	10g	-2500A	-2510B	-2520C	608.00
Right Hand	10g	-2600A	-2610B	-2620C	876.00
Left Hand	10g	-2700A	-2710B	-2720C	876.00
Checkered	10g	-2800A	-2810B	-	773.00