

Cutting Tools: Hand Reamers & Chucking Reamers Taper Shank

Hand Reamers

Helical Flutes
High Speed

Order No: DS-12

Range mm: 1.5 - 38mm

Range AF: 1/16" - 2"



Diameter		Diameter		Diameter		Diameter	
inches	mm	inches	mm	inches	mm	inches	mm
1/16	1.5	5/16	9.5	9/16	20.0	7/8	36.0
5/64	2.0	21/64	10.0	37/64	21.0	29/32	37.0
3/32	2.5	11/32	10.5	19/32	22.0	15/16	38.0
7/64	3.0	23/64	11.0	39/64	23.0	31/32	
1/8	3.5	3/8	11.5	5/8	24.0	1	
9/64	4.0	25/64	12.0	41/64	25.0	1 1/32	
5/32	4.5	13/32	12.5	21/32	26.0	1 1/16	
11/64	5.0	27/64	13.0	43/64	27.0	1 1/8	
3/16	5.5	7/16	13.5	11/16	28.0	1 1/4	
13/64	6.0	29/64	14.0	45/64	29.0	1 3/8	
7/32	6.5	15/32	14.5	23/32	30.0	1 1/2	
15/64	7.0	31/64	15.0	47/64	31.0	1 5/8	
1/4	7.5	1/2	16.0	3/4	32.0	1 3/4	
17/64	8.0	33/64	17.0	25/32	33.0	1 7/8	
9/32	8.5	17/32	18.0	13/16	34.0	2	
19/64	9.0	35/64	19.0	27/32	35.0		



Taper Shank Chucking Reamers

High Speed

Order No: DS-13

Range mm: 7 - 32mm

Range AF: 1/4" - 1 1/2"

Diameter		Diameter	
inches	mm	inches	mm
1/4	7.0	11/16	21.0
9/32	8.0	23/32	22.0
5/16	9.0	3/4	23.0
11/32	10.0	13/16	24.0
3/8	11.0	7/8	25.0
13/32	12.0	15/16	26.0
7/16	13.0	1	28.0
15/32	14.0	1 1/16	30.0
1/2	15.0	1 1/8	32.0
17/32	16.0	1 3/16	
9/16	17.0	1 1/4	
19/32	18.0	1 3/8	
5/8	19.0	1 1/2	
21/32	20.0		



Taper Shank Parallel Machine Reamers

Helical Flutes
High Speed

Order No: DS-14

Range mm: 3 - 50mm

Range AF: 1/8" - 3"

Diameter		Diameter		Diameter		Diameter	
inches	mm	inches	mm	inches	mm	inches	mm
1/8	3.0	7/16	13.0	3/4	29.0	1 7/16	49.0
9/64	3.5	29/64	13.5	25/32	30.0	1 1/2	50.0
5/32	4.0	15/32	14.0	13/16	31.0	1 9/16	
11/64	4.5	31/64	14.5	27/32	32.0	1 5/8	
3/16	5.0	1/2	15.0	7/8	33.0	1 11/16	
13/64	5.5	33/64	15.5	29/32	34.0	1 3/4	
7/32	6.0	17/32	16.0	15/16	35.0	1 7/8	
15/64	6.5	35/64	16.5	31/32	36.0	1 15/16	
1/4	7.0	9/16	17.0	1	37.0	2	
17/64	7.5	37/64	18.0	1 1/32	38.0	2 1/8	
9/32	8.0	19/32	19.0	1 1/16	39.0	2 1/4	
19/64	8.5	39/64	20.0	1 3/32	40.0	2 3/8	
5/16	9.0	5/8	21.0	1 1/8	41.0	2 1/2	
21/64	9.5	41/64	22.0	1 5/32	42.0	2 5/8	
11/32	10.0	21/32	23.0	1 3/16	43.0	2 3/4	
23/64	10.5	43/64	24.0	1 7/32	44.0	2 7/8	
3/8	11.0	11/16	25.0	1 1/4	45.0	3	
25/64	11.5	45/64	26.0	1 9/32	46.0		
13/32	12.0	23/32	27.0	1 5/16	47.0		
27/64	12.5	47/64	28.0	1 3/8	48.0		

Cutting Tools: Straight Machine Reamers, Bridge Reamers, Taper Pin Reamers, Chucking Reamers



Diameter inches	Diameter mm
3/32	2.5
1/8	3.0
5/32	4.0
3/16	5.0
7/32	6.0
1/4	7.0
5/16	8.0
3/8	10.0
7/16	11.0
1/2	12.0

Straight Shank Parallel Machine Reamers
Helical Flutes

Order No: DS-14
Range mm: 2.5 - 12mm
Range AF: 3/32" - 1/2"



Straight Shank Chucking Reamers
High Speed

Nominal Diameter inches	No. Size Covered	Price Each
		£
1/16	7/0	4.25
5/64	6/0	4.00
3/32	5/0	3.88
7/64	4/0	3.10
1/8	3/0	2.95
9/64	00	3.10
5/32	0	3.30
11/64	1	3.30
3/16	2	3.50
7/32	3	3.60
1/4	4	4.00
9/32	5	4.20
5/16	-	4.70
11/32	6	4.80
3/8	-	5.30
13/32	7	6.10
7/16	-	6.30
1/2	8	9.30
9/16	-	14.00
5/8	-	16.50
11/16	-	-
3/4	10	19.50
7/8	11	25.00
1	-	-

Order No: DS-17
Range mm: 3 - 16mm
Range AF: 1/8" - 5/8"

Nominal Diameter inches	Price Each
	£
1.5	4.38
2.0	4.00
2.5	3.10
3.0	3.10
-	-
-	-
4.0	3.30
5.0	3.50
6.0	4.00
8.0	4.70
-	-
10.0	6.10
12.0	8.90
13.0	11.50
14.0	14.00
-	-
16.0	16.50
20.0	24.00



Diameter inches
3/8
7/16
1/2
9/16
5/8
15/16
1
1 1/16
1 1/8
1 3/16
11/16 No.2
11/16 No.3
3/4
13/16
7/8
1 1/4 No.4
1 5/16
1 3/8
1 7/16
1 1/2

Taper Shank Bridge Reamers
Helical Flutes

Order No: DS-15
Range AF: 3/8" - 1 3/16"



Diameter		Price Each
ins	mm	£
	3.0	2.93
1/8		2.66
5/32	3.5	2.74
	4.0	2.74
3/16	4.5	2.93
	5.0	3.04
7/32		3.04
	6.0	3.13
1/4		3.13
	7.0	
9/32		3.24
5/16		
	8.0	3.45
11/32		
	9.0	3.66
3/8		
	10.0	3.94
13/32		
	11.0	4.25
7/16		
	12.0	4.59
15/32		
	12.0	4.59
1/2		
	13.0	4.75
	14.0	5.10
9/16	-	5.20
	15.0	5.50
5/8		5.60
	16.0	5.80

Hand Taper Pin Reamers

Order No: DS-16
Range mm: 1.5 - 6mm
Range AF: 1/16" - 1"
mm size: 1:50

Adjustable Hand Reamers



Six Blades

Adjustable Hand Reamers
Order No: DS 18

Range: H1 - H18

Symbol	Range	
	inches	mm
H1	3/8 - 13/32	9.52 - 10.31
H2	13/32 - 7/16	10.31 - 11.11
H3	7/16 - 15/32	11.11 - 11.90
H4	15/32 - 17/32	11.90 - 13.49
H5	17/32 - 19/32	13.49 - 15.08
H6	19/32 - 21/32	15.08 - 16.66
H7	21/32 - 23/32	16.66 - 18.25
H8	23/32 - 25/32	18.25 - 19.84
H9	25/32 - 27/32	19.84 - 21.43
H10	27/32 - 15/16	21.43 - 23.81
H11	15/16 - 1 1/16	23.81 - 26.98
H12	1 1/16 - 1 3/6	26.98 - 30.16
H13	1 3/6 - 1 11/32	30.16 - 34.13
H14	1 11/32 - 1 1/2	34.13 - 38.10
H15	1 1/2 - 1 13/16	38.10 - 46.03
H16	1 13/16 - 2 7/32	46.03 - 56.35
H17	2 7/32 - 2 3/4	56.35 - 69.85
H18	2 3/4 - 3 11/32	69.85 - 84.93



High Speed Steel Ground Thread Long Shank Machine Taps & Hand Tap

Order No : HT - 5M

(machine tape) HT - 5H (hand tap)
 Note (for order machine tape HT - 5M)
 (for order hand tape HT - 5H)
 material : high speed steel (H.S.S)
 MM range : M3 - M24
 UNC range : 1/4 - 3/4UNC
 UNF range : 1/4 - 3/4UNF
 UNC range : 1/4 - 3/4BSW

Special Pitches Hand Tap

Order No HT7

Materials : high speed, carbon steel
 (made to order of any size hand tap)
 (delivery 6 - 8wks upon confirmation)

(U)NS	T.P.I.	(U)NS	T.P.I.	(U)NS	T.P.I.	(U)NS	T.P.I.
1/16	64	1/4	40	5/8	20	1 1/8	8
3/32	48	5/16	32	5/8	24	1 1/8	16
1/8	40	3/8	32	11/16	11	1 1/4	8
5/32	32	3/8	36	11/16	16	1 1/4	20
5/32	36	7/16	24	3/4	20	15/16	12
3/16	24	7/16	28	13/16	16	1 3/8	8
3/16	32	1/2	12	13/16	20	1 1/2	8
7/32	24	1/2	24	7/8	18	1 5/8	12
7/32	32	1/2	27	7/8	20	1 3/4	12
1/4	24	1/2	28	1	14		
1/4	32	9/16	24	1	20		



American Unified 8 Thread Series

UN(S) 8 thread series

Order No: HT6

Range : 11/8 - 2" 8TPI
 Material : high speed steel (H.S.S)
 Carbon steel (C.S)

Countersink Drill



Countersink, Straight Shank, 90 Deg
DIN 335 Type C

Flute Geometry

3-fluted. Ground all-over. 90° included angle.

Shank

Straight shank

Range
4.3
5.0
5.3
5.8
6.0
6.3
7.0
7.3
8.0
8.3
9.4
10.0
10.4
10.4
11.5
12.4
13.4
15.0
16.5
19.0
20.5
23.0
25.0
26.0
28.0
30.0
31.0

Countersink, Straight Shank, 82°
DIN 335 Form C

Flute Geometry

3-fluted. Ground all-over. 82° included angle.

Shank

Straight shank



Max. ø mm		Min.* ø mm
6.3	X	1.5
8.3	X	2.0
10.4	X	2.5
12.4	X	2.8
16.5	X	3.2
20.5	X	3.5
25.0	X	3.8

Countersink, Straight Shank, 60 Deg
DIN 334 Type C

Flute Geometry

3-fluted. Ground all-over. 60° included angle.

Shank

Straight shank



Max. ø mm		Min.* ø mm
6.3	X	1.6
8.0	X	2.0
12.5	X	3.2
16.0	X	4.0
20.0	X	5.0
25.0	X	6.3