



Tools for a changing world



Price List - MC 51

(with effect from 1st November 2024)





Addison & Co Ltd., established in 1873, is India's largest manufacturer of HSS Cutting Tools. The Company's current product range:

I. HSS Tools:

- a) Twist Drills
- b) Centre Drills
- c) Reamers
- d) Taps
- e) End Mills
- f) Counter Bores
- g) Countersinks
- h) Milling Cutters
- i) Tool Bits
- j) Broaches and Hobs

II. Carbide Tools:

- a) Multi-point Carbide-tipped Tools
- b) Solid Carbide Drills
- c) Solid Carbide Centre Drills
- d) Solid Carbide Reamers and
- e) Solid Carbide Endmills

III. Machine Tools:

- a) Tool and Cutter Grinder
 - Manual
 - CNC
- b) Drill Point Grinders
- c) Goniometer (Drill Measuring Instrument) and
- d) Accessories for our machines

At Addison, we have a policy – to build Precise tools which are of highest quality and to extend excellent technical service to the end-users.

Addison, an ISO 9001:2015 and ISO 14001:2015 certified company, manufactures tools with high quality CNC machines, state-of-the art manufacturing technology, a well-equipped metallurgical lab, a Tool Tech Centre (R&D) and Total Quality Control which has put its metal cutting tools on par with the best brands of cutting tools in the world.

The High Speed Steel and carbide rods used for manufacturing the above tools are of highest quality and procured from Europe, Japan and India.

Distribution of the above products in India is primarily done through the network of Authorised Dealers and Sub Dealers.

Addison also exports HSS and Carbide Tools to USA, Canada, Japan, Europe, Australia, Latin America, South East Asia, Middle-East and Africa.



Terms and Conditions

Price

This supersedes all our previous price lists.

Prices given in this pricelist are base prices. Taxes are extra as applicable.

Price given here are for standard products

For unlisted intermediate sizes, the higher price of the nearest listed size will apply.

The prices are for delivery on F.O.R. Destination

The prices are based on the present input costs and are subject to revision without prior notice.

The dealers / stockists are free to sell the goods at prices lower than the prices indicated in this price list.

Minimum Order Quantities (MOQ)

The Minimum Ordering Quantities (MOQ) mentioned against each product in this price list are for each size / length / bore size of that product. Any order for a quantity lesser than MOQ can be supplied with an additional surcharge, which will be furnished on request.

Delivery

Standard deliveries are indicated below, however Special Deliveries can be considered on request based on available load position at the time of Ordering.

*** FMI (Fast Moving Items) – within 6 weeks for MOQ Quantities from the date of Firm Order**

**** SFMI (Semi-fast Moving Items) – within 8 Weeks for MOQ Quantities from the date of Firm Order**

OTHER Items – within 12 Weeks for MOQ Quantities from the date of Firm Order

Other Instructions

The products indicated in this pricelist are confirming to National & International Standards. However, we can manufacture and supply special and customized tools as per the requirement of the customers and end-users on request. For special requirements please send your enquiries to: enquiry@addison.co.in

| Quick Spiral and Slow Spiral Drills | | | |
|-------------------------------------|-------------------------|----------------------------------------|----------------------------------------------------------------|
| Series | Size | Standard | Surcharge (extra) on listed price indicated in this Price List |
| Parallel Shank Twist Drills | | | |
| Jobber Series | 1.0 mm - 3.17 mm (1/8") | IS 5101 - 1991 BS 328 (PART 1) 1986 | 50% |
| | Above 3.17 mm (1/8") | IS 5101 - 1991 BS 328 (PART 1) 1986 | 25% |



| | | | | |
|------------------------------------|-------------------------|----------------------------------------|----------------------------------------|-----|
| Stub Series | 1.0 mm - 3.17 mm (1/8") | IS 5100 - 1969 BS 328 (PART 1) 1986 | 50% | |
| | Above 3.17 mm (1/8") | IS 5100 - 1969 BS 328 (PART 1) 1986 | 25% | |
| Long Series | 1.0 mm - 3.17 mm (1/8") | IS 5102 - 1969 BS 328 (PART 1) 1986 | 50% | |
| | Above 3.17 mm (1/8") | IS 5102 - 1969 BS 328 (PART 1) 1986 | 25% | |
| Taper Shank Twist Drills | | | | |
| All Series of Taper Shank | 3.0 mm - 102.0 mm (4") | IS 5103 - 1969 BS 328 (PART 1) 1986 | 25% | |
| Extra Long Series | | | | |
| Parallel Shank | 3.0 mm - 12.5 mm (1/2") | IS 7823-2005 | 25% | |
| Taper Shank | 3.0 mm - 102.0 mm (4") | IS 7822-2005 | 25% | |
| Left Hand Drills | | | | |
| Parallel Shank | Jobber Series | 3.0 mm and above | IS 5101 - 1991 BS 328 (PART 1) 1986 | 35% |
| | Stub Series | 3.0 mm and above | IS 5100 - 1969 BS 328 (PART 1) 1986 | 25% |
| | Long Series | 3.0 mm and above | IS 5102 - 1969 BS 328 (PART 1) 1986 | 25% |
| Taper Shank Twist Drills | 3.0 mm - 102 mm (4") | IS 5103 - 1969 BS 328 (PART 1) 1986 | 25% | |
| Taper Shank Core Drills | 7.0 mm - 76.2 mm (3") | IS 5366 - 1959 BS 328 (PART 1) 1986 | 25% | |
| Oversize Taper Shank Drills | Any size | IS 5104 - 1959 BS 328 (PART 1) 1986 | 10% | |



Milling Cutter

- (1) For Convex Cutters, Concave Cutters, Single Corner Rounding Cutters, We have switched over the manufacture to current ISS – IS 6323/1982 and IS 6314/1982. We also manufacture and supply these cutters as per old ISS 6323/1971, IS 6322/1971 and IS 6314/1971, for which full dimensions and prices are also given herein.
- (2) Side & Face Cutters to BSS - Type-B (Straight Teeth) and Slotting Cutter to BSS. Cutters of width $\frac{3}{4}$ " and above will be supplied with LH Helix as Standard.
- (3) Key way Milling Cutters
Cutters will be radially Turned with Staggered Teeth and without corner Radius.
- (4) Convex Cutters, Concave Cutters, Single Corner Rounding Cutters, Cutters will be radially Machine Turned Relieved.

End Mills

Parallel Shank End Mills

1. Type 'N' RH Helical Flutes for RH Cutting will be supplied as Standard
2. Long Series End Mills can be supplied at 30% Surcharge over the Standard Price with
MOQ Up to 13 mm – 100 Nos. Each
14mm to 16 mm – 50 Nos. Each
17mm to 22 mm – 25 Nos. Each
Above 22 mm – 10 Nos. Each

Taper Shank End Mills

1. Tanged TS End Mills in Tool Type 'N' with LH Helical Flutes for RH Cutting will be supplied as Standard
2. TS End Mills with Tapped End from 6mm dia can be manufactured and supplied as per IS 6354-1991

Slot Drills

Parallel shank Slot Drills

1. Metric Sizes Type 'A' Flat Face of Short Series with RH Helical Flutes for RH Cutting and Tool Type-H will be supplied as Standard, unless otherwise specified.
2. Prices and MOQ for Standard series can be furnished on request.
3. Inch Sizes RH Cutting with RH Helical Flutes will be supplied as Standard.

Taper shank Slot Drills

1. Metric Sizes with Tapped End from 6mm Dia can be manufactured and supplied as per IS 6388-1991
2. RH Cutting with RH Helical Flutes will be supplied as Standard.

Taps

Hand Taps – MCP

A Set consists of Taper, Second and Bottoming

Part 2 Design will be supplied from 3mm to 10mm and Part 3 design will be supplied above 10mm.



Hand Taps – MFP

A Set consists of Taper and Bottoming

Part 2 Design will be supplied from 3mm to 10mm and Part 3 design will be supplied above 10mm.

Long Shank Machine Taps

Type-A – 5 Deg. Taper Angle with Long Taper Lead

Type-B – 10 Deg. Taper Lead Angle with Spiral Point

Type-C – 20 Deg. Taper Angle with Short Taper Lead

Type-D – 10 Deg. Taper Angle without Spiral Point

BSP (P), NPS, NPSF, BSPT, NPT & NPTF :

A Set consists of 2 Taps (Taper & Bottoming)

BS CON & BSCY

A Set consist of 3 Taps (Taper, Second & Bottoming)

We can also supply BSP (Parallel) Taps to new BS 949 (Part 3) – 1982 (G/TP Series) at the same rates and MOQ as given above for all sizes

The following Items of Taps can also be supplied at price indicated (MOQ as per the Standard given in this Price List)

- a) LH Taps – Surcharge 25% Extra on the Listed Price
- b) Part 3 Design Taps (upto and Including 10mm) – Surcharge 15% Extra on the Listed price
- c) Serial Taps – No Surcharge



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Drills



**HSS PARALLEL SHANK TWIST DRILLS
JOBBER SERIES**

**IS 5101 - 1991
BS 328 (PART 1) 1986**

| Size | | WG / LG | Price Per Ten (Rs.) | | | | MOQ (No) |
|--------|------|---------|---------------------|-----------|----------------|----------------------|----------|
| mm | inch | | M2 FFD | M2 Ground | M2 Ground Gold | M2 Ground TIN-Coated | |
| 0.3 | | | | 4714 | 4794 | | 200 |
| 0.4 | | | | 4714 | 4794 | | 200 |
| 0.5 | | | | 4714 | 4794 | | 200 |
| 0.6 | | | | 4714 | 4794 | | 200 |
| 0.7 | | | | 2692 | 2737 | | 200 |
| 0.8 | | | | 2692 ** | 2737 | | 200 |
| 0.9 | | | | 2692 ** | 2737 | | 200 |
| 1.0 | | | 710 * | 657 | 669 | 1143 | 200 |
| (1.02) | | 60 | 710 | 657 | 669 | | 200 |
| (1.04) | | 59 | 710 | 657 | 669 | | 200 |
| (1.07) | | 58 | 710 | 657 | 669 | | 200 |
| (1.09) | | 57 | 710 | 657 | 669 | | 200 |
| 1.10 | | | 710 ** | 657 | 669 | 1143 | 200 |
| (1.18) | | 56 | 710 | 657 | 669 | | 200 |
| (1.19) | 3/64 | | 710 | 657 | 669 | | 200 |
| 1.20 | | | 710 ** | 657 ** | 669 | 1143 | 200 |
| 1.30 | | | 710 ** | 657 | 669 | 1143 | 200 |
| (1.32) | | 55 | 710 | 657 | 669 | | 200 |
| 1.40 | | 54 | 710 ** | 657 ** | 669 | 1143 | 200 |
| 1.50 | | | 674 * | 624 | 635 | 1143 | 200 |
| (1.51) | | 53 | 674 | 624 | 635 | | 200 |
| (1.59) | 1/16 | | 674 | 624 | 635 | | 200 |
| 1.60 | | | 674 * | 624 ** | 635 | 1143 | 200 |
| (1.61) | | 52 | 725 | 671 | 683 | | 200 |
| 1.70 | | | 725 ** | 671 | 683 | 1197 | 200 |
| (1.70) | | 51 | 725 | 671 | 683 | | 200 |
| (1.78) | | 50 | 725 | 671 | 683 | | 200 |
| 1.80 | | | 725 * | 671 ** | 683 | 1197 | 200 |
| (1.85) | | 49 | 725 | 671 | 683 | | 200 |
| 1.90 | | | 725 ** | 671 ** | 683 | 1231 | 200 |
| (1.93) | | 48 | 725 | 671 | 683 | | 200 |
| (1.98) | 5/64 | | 725 | 671 | 683 | | 200 |
| (1.99) | | 47 | 725 | 671 | 683 | | 200 |
| 2.00 | | | 725 * | 671 * | 683 | 1197 | 200 |
| (2.06) | | 46 | 725 | 671 | 683 | | 200 |
| (2.08) | | 45 | 725 | 671 | 683 | | 200 |
| 2.10 | | | 725 * | 671 ** | 683 | 1288 | 200 |
| (2.18) | | 44 | 725 | 671 | 683 | | 200 |
| 2.20 | | | 725 * | 671 ** | 683 | 1288 | 200 |
| (2.26) | | 43 | 725 | 671 | 683 | | 200 |
| 2.30 | | | 725 * | 671 | 683 | 1288 | 200 |
| (2.37) | | 42 | 725 | 671 | 683 | | 200 |
| (2.38) | 3/32 | | 725 | 671 | 683 | | 200 |
| 2.40 | | | 725 * | 671 ** | 683 | 1288 | 200 |
| (2.44) | | 41 | 725 | 671 | 683 | | 200 |
| (2.49) | | 40 | 725 | 671 | 683 | | 200 |
| 2.50 | | | 725 * | 671 * | 683 | 1288 | 200 |
| (2.53) | | 39 | 725 | 671 | 683 | | 200 |
| (2.58) | | 38 | 725 | 671 | 683 | | 200 |
| 2.60 | | | 725 * | 671 ** | 683 | 1288 | 200 |
| (2.64) | | 37 | 725 | 671 | 683 | | 200 |
| 2.70 | | | 725 * | 671 ** | 683 | 1288 | 200 |
| (2.71) | | 36 | 725 | 671 | 683 | | 200 |
| (2.78) | 7/64 | | 725 | 671 | 683 | | 200 |
| (2.79) | | 35 | 792 | 734 | 747 | | 200 |

Jobber upto 3mm not recommended for TIN-Coated as price performance ratio does not suits. However if application demands we can supply.



**HSS PARALLEL SHANK TWIST DRILLS
JOBBER SERIES**

**IS 5101 - 1991
BS 328 (PART 1) 1986**

| Size | | WG / LG | Price Per Ten (Rs.) | | | | MOQ (No) |
|--------|-------|---------|---------------------|-----------|----------------|----------------------|----------|
| mm | inch | | M2 FFD | M2 Ground | M2 Ground Gold | M2 Ground TIN-Coated | |
| 2.80 | | | 793 * | 734 ** | 747 | 1360 | 200 |
| (2.82) | | 34 | 793 | 734 | 747 | | 200 |
| (2.87) | | 33 | 793 | 734 | 747 | | 200 |
| 2.90 | | | 793 * | 734 | 747 | 1360 | 200 |
| (2.95) | | 32 | 793 | 734 | 747 | | 200 |
| 3.00 | | | 793 * | 734 * | 747 ** | 1360 ** | 200 |
| (3.05) | | 31 | 944 | 875 | 890 | | 200 |
| 3.10 | | | 944 * | 875 ** | 890 | 1412 | 200 |
| (3.17) | 1/8 | | 944 * | 875 * | 890 | | 200 |
| 3.20 | | | 945 * | 906 * | 923 | 1443 | 200 |
| (3.26) | | 30 | 978 | 906 | 923 | | 200 |
| 3.30 | | | 978 * | 906 ** | 923 | 1443 | 200 |
| 3.40 | | | 978 * | 906 | 923 | 1443 | 200 |
| (3.45) | | 29 | 978 | 906 | 923 | | 200 |
| 3.50 | | | 978 * | 906 * | 923 | 1443 | 200 |
| (3.57) | | 28 | 978 | 906 | 923 | | 200 |
| (3.57) | 9/64 | | 978 * | 906 ** | 923 | | 200 |
| 3.60 | | | 1383 * | 1281 | 1303 | 1828 | 200 |
| (3.66) | | 27 | 1383 | 1281 | 1303 | | 200 |
| 3.70 | | | 1383 * | 1281 ** | 1303 | 1828 | 200 |
| (3.73) | | 26 | 1383 | 1281 | 1303 | | 200 |
| (3.80) | | 25 | 1383 * | 1281 | 1303 | | 200 |
| 3.80 | | | 1383 | 1281 ** | 1303 | 1828 | 200 |
| (3.86) | | 24 | 1383 | 1281 | 1303 | | 200 |
| 3.90 | | | 1383 * | 1281 | 1303 | 1828 | 200 |
| (3.91) | | 23 | 1383 | 1281 | 1303 | | 200 |
| (3.97) | 5/32 | | 1383 * | 1281 ** | 1303 | | 200 |
| (3.99) | | 22 | 1383 | 1281 | 1303 | | 200 |
| 4.00 | | | 1383 * | 1281 * | 1303 | 1828 | 200 |
| (4.04) | | 21 | 1686 | 1562 | 1590 | | 200 |
| (4.09) | | 20 | 1686 | 1562 | 1590 | | 200 |
| 4.10 | | | 1686 * | 1562 * | 1590 | 2117 | 200 |
| 4.20 | | | 1686 * | 1562 * | 1590 ** | 2117 | 200 |
| (4.22) | | 19 | 1686 | 1562 | 1590 | | 200 |
| 4.30 | | | 1686 * | 1562 ** | 1590 | 2117 | 200 |
| (4.30) | | 18 | 1686 | 1562 | 1590 | | 200 |
| (4.37) | 11/64 | | 1686 * | 1562 | 1590 | | 200 |
| (4.39) | | 17 | 1686 | 1562 | 1590 | | 200 |
| 4.40 | | | 1686 * | 1562 ** | 1590 | 2117 | 200 |
| (4.50) | | 16 | 2209 | 2046 | 2083 | | 200 |
| 4.50 | | | 2209 * | 2046 * | 2083 ** | 2615 | 200 |
| (4.57) | | 15 | 2209 | 2046 | 2083 | | 200 |
| 4.60 | | | 2209 ** | 2046 | 2083 | 2615 | 200 |
| (4.62) | | 14 | 2209 | 2046 | 2083 | | 200 |
| 4.70 | | | 2209 | 2046 | 2083 | 2615 | 200 |
| (4.76) | 3/16 | | 2209 * | 2046 ** | 2083 | | 200 |
| 4.80 | | | 2209 * | 2046 ** | 2083 | 2615 | 200 |
| (4.85) | | 12 | 2394 | 2218 | 2258 | | 200 |
| 4.90 | | | 2394 * | 2218 ** | 2258 | 2790 | 200 |
| (4.92) | | 10 | 2394 ** | 2218 | 2258 | | 200 |
| (4.98) | | 9 | 2394 | 2218 | 2258 | | 200 |
| 5.00 | | | 2394 * | 2218 * | 2258 ** | 2790 | 200 |
| (5.06) | | 8 | 2277 | 2139 | 2177 | | 100 |
| 5.10 | | | 2277 * | 2139 ** | 2177 | 2690 | 100 |
| (5.11) | | 7 | 2277 | 2139 | 2177 | | |

Jobber upto 3mm not recommended for TIN-Coated as price performance ratio does not suits. However if application demands we can supply.

For more details please refer our Drill Catalogue Pages 7 to 22.



**HSS PARALLEL SHANK TWIST DRILLS
JOBBER SERIES**

**IS 5101 - 1991
BS 328 (PART 1) 1986**

| Size | | WG / LG | Price Per Ten (Rs.) | | | | MOQ (No) |
|--------|-------|---------|---------------------|-----------|----------------|----------------------|----------|
| mm | inch | | M2 FFD | M2 Ground | M2 Ground Gold | M2 Ground TIN-Coated | |
| (5.16) | 13/64 | | 2277 * | 2139 * | 2177 | | 100 |
| (5.18) | | 6 | 2277 | 2139 | 2177 | | 100 |
| 5.20 | | | 2277 * | 2139 * | 2177 | 2690 | 100 |
| (5.22) | | 5 | 2453 | 2282 | 2323 | | 100 |
| 5.30 | | | 2453 * | 2282 | 2323 | 2834 | 100 |
| (5.31) | | 4 | 2453 ** | 2282 | 2323 | | 100 |
| 5.40 | | | 2453 ** | 2282 ** | 2323 | 2834 | 100 |
| (5.41) | | 3 | 2453 | 2282 | 2323 | | 100 |
| 5.50 | | | 2453 * | 2282 * | 2323 ** | 2834 | 100 |
| (5.56) | 7/32 | | 2453 * | 2282 ** | 2323 | | 100 |
| 5.60 | | | 2453 | 2282 | 2323 | 2834 | 100 |
| (5.61) | | 2 | 2758 | 2566 | 2612 | | 100 |
| 5.70 | | | 2758 | 2566 | 2612 | 3125 | 100 |
| (5.79) | | 1 | 2758 ** | 2566 | 2612 | | 100 |
| 5.80 | | | 2758 * | 2566 | 2612 | 3125 | 100 |
| 5.90 | | | 2758 * | 2566 | 2612 | 3125 | 100 |
| (5.94) | | A | 2758 | 2566 | 2612 | | 100 |
| (5.95) | 15/64 | | 2758 | 2566 | 2612 | | 100 |
| 6.00 | | | 2758 * | 2566 | 2612 ** | 3125 | 100 |
| (6.04) | | B | 2998 | 2789 * | 2839 | | 100 |
| 6.10 | | | 2998 * | 2789 | 2839 | 3507 | 100 |
| (6.15) | | C | 2998 | 2789 | 2839 | | 100 |
| 6.20 | | | 2998 * | 2789 ** | 2839 | 3507 ** | 100 |
| (6.25) | | D | 2998 | 2789 | 2839 | | 100 |
| 6.30 | | | 2998 * | 2789 | 2839 | 3507 ** | 100 |
| (6.35) | 1/4 | E | 2998 * | 2789 * | 2839 | | 100 |
| 6.40 | | | 2998 * | 2789 ** | 2839 | 3507 | 100 |
| 6.50 | | | 3833 * | 3566 * | 3630 ** | 4304 | 100 |
| (6.53) | | F | 3833 | 3566 | 3630 | | 100 |
| 6.60 | | | 3833 ** | 3566 ** | 3630 | 4366 | 100 |
| (6.63) | | G | 3833 | 3566 | 3630 | | 100 |
| 6.70 | | | 3833 * | 3566 ** | 3630 | 4366 | 100 |
| (6.75) | 17/64 | | 3833 * | 3566 ** | 3630 | | 100 |
| (6.75) | | H | 3833 | 3566 | 3630 | | 100 |
| 6.80 | | | 3833 * | 3566 * | 3630 ** | 4366 | 100 |
| 6.90 | | | 4201 * | 3908 ** | 3978 | 4718 | 100 |
| (6.90) | | I | 4201 | 3908 | 3978 | | 100 |
| 7.00 | | | 4201 * | 3908 * | 3978 | 4718 | 100 |
| (7.03) | | J | 4201 | 3908 | 3978 | | 100 |
| 7.10 | | | 4201 * | 3908 ** | 3978 | 4718 | 100 |

For more details please refer our Drill Catalogue Pages 7 to 22.



**HSS PARALLEL SHANK TWIST DRILLS
JOBBER SERIES**

**IS 5101 - 1991
BS 328 (PART 1) 1986**

| Size | | WG / LG | Price Per Ten (Rs.) | | | | MOQ (No) |
|--------|-------|---------|---------------------|-----------|----------------|----------------------|----------|
| mm | inch | | M2 FFD | M2 Ground | M2 Ground Gold | M2 Ground TIN-Coated | |
| (7.14) | | K | 4201 | 3908 | 3978 | | 100 |
| (7.14) | 9/32 | | 4201 * | 3908 ** | 3978 | | 100 |
| 7.20 | | | 4201 * | 3908 | 3978 | 4718 | 100 |
| 7.30 | | | 4425 * | 4117 | 4190 | 4932 | 100 |
| (7.37) | | L | 4425 | 4117 | 4190 | | 100 |
| (7.40) | | | 4425 ** | 4117 ** | 4190 | 4932 | 100 |
| (7.49) | | M | 4425 | 4117 | 4190 | | 100 |
| 7.50 | | | 4425 ** | 4117 ** | 4190 | 4932 | 100 |
| (7.54) | 19/64 | | 4794 | 4461 | 4540 | | 100 |
| 7.60 | | | 4794 ** | 4461 | 4540 | 5498 | 100 |
| (7.67) | | N | 4794 | 4461 | 4540 | | 100 |
| 7.70 | | | 4794 | 4461 ** | 4540 | 5498 | 100 |
| 7.80 | | | 4794 * | 4461 ** | 4540 | 5498 | 100 |
| 7.90 | | | 4794 ** | 4461 | 4540 | 5498 | 100 |
| (7.94) | 5/16 | | 5260 * | 4894 * | 4981 | | 100 |
| 8.00 | | | 5260 * | 4894 * | 4981 | 5944 | 100 |
| (8.03) | | O | 5260 | 4894 | 4981 | | 100 |
| 8.10 | | | 5260 * | 4894 | 4981 | 5944 | 100 |
| 8.20 | | | 5260 * | 4894 | 4981 | 5944 | 100 |
| (8.20) | | P | 5260 | 4894 | 4981 | | 100 |
| 8.30 | | | 6381 * | 5937 ** | 6043 | 7017 * | 100 |
| (8.33) | 21/64 | | 6381 * | 5937 ** | 6043 | | 100 |
| 8.40 | | | 6381 * | 5937 ** | 6043 | 7017 | 100 |
| (8.43) | | Q | 6381 | 5937 | 6043 | | 100 |
| 8.50 | | | 6381 * | 5937 * | 6043 ** | 7017 | 100 |
| 8.60 | | | 6381 * | 5937 ** | 6043 | 7444 | 100 |
| (8.61) | | R | 6381 | 5937 | 6043 | | 100 |
| 8.70 | | | 6381 * | 5937 ** | 6043 | 7444 | 100 |
| (8.73) | 11/32 | | 6718 * | 6250 | 6362 | | 100 |
| 8.80 | | | 6718 * | 6250 ** | 6362 | 7765 | 100 |
| (8.84) | | S | 6718 | 6250 | 6362 | | 100 |
| 8.90 | | | 6718 ** | 6250 | 6362 | 7765 | 100 |
| 9.00 | | | 6718 * | 6250 * | 6362 | 7765 | 100 |
| (9.09) | | T | 7008 | 6520 | 6636 | | 100 |
| 9.10 | | | 7008 * | 6520 | 6636 | 8043 | 100 |
| (9.13) | 23/64 | | 7008 | 6520 | 6636 | | 100 |
| 9.20 | | | 7008 * | 6520 | 6636 | 8043 | 100 |
| 9.30 | | | 7008 ** | 6520 ** | 6636 | 8043 | 100 |
| (9.34) | | U | 7008 | 6520 * | 6636 | | 100 |
| 9.40 | | | 7008 ** | 6520 | 6636 | 8043 | 100 |
| 9.50 | | | 7008 * | 6520 * | 6636 | 8043 | 100 |
| (9.52) | 3/8 | | 7936 * | 7384 ** | 7516 | | 100 |
| (9.58) | | V | 7936 | 7384 | 7516 | | 100 |
| 9.60 | | | 7936 * | 7384 ** | 7516 | 9145 | 100 |
| 9.70 | | | 7936 * | 7384 | 7516 | 9145 | 100 |
| 9.80 | | | 7936 * | 7384 ** | 7516 | 9145 | 100 |
| (9.80) | | W | 7936 | 7384 | 7516 | | 100 |
| 9.90 | | | 8882 ** | 8264 | 8412 | 10049 | 100 |
| (9.92) | 25/64 | | 8882 ** | 8264 | 8412 | | 100 |

For more details please refer our Drill Catalogue Pages 7 to 22.



**HSS PARALLEL SHANK TWIST DRILLS
JOBBER SERIES**

**IS 5101 - 1991
BS 328 (PART 1) 1986**

| Size | | WG / LG | Price Per Ten (Rs.) | | | | MOQ (No) |
|---------|-------|---------|---------------------|-----------|----------------|----------------------|----------|
| mm | inch | | M2 FFD | M2 Ground | M2 Ground Gold | M2 Ground TIN-Coated | |
| 10.00 | | | 8882 * | 8264 * | 8412 | 10049 | 100 |
| (10.08) | | X | 8882 | 8264 | 8412 | | 100 |
| 10.10 | | | 8882 * | 8264 ** | 8412 | 10769 | 100 |
| 10.20 | | | 8882 * | 8264 * | 8412 ** | 10769 | 100 |
| (10.26) | | Y | 9638 | 8967 | 9127 | | 100 |
| 10.30 | | | 9638 * | 8967 | 9127 | 10769 | 100 |
| (10.32) | 13/32 | | 9638 * | 8967 | 9127 | | 100 |
| 10.40 | | | 9638 * | 8967 | 9127 | 10769 | 100 |
| (10.49) | | Z | 9638 | 8967 | 9127 | | 100 |
| 10.50 | | | 9638 * | 8967 * | 9127 | 10769 | 100 |
| 10.60 | | | 9638 * | 8967 | 9127 | 11442 | 100 |
| 10.70 | | | 10198 * | 9488 | 9658 | 11442 | 50 |
| (10.72) | 27/64 | | 10198 ** | 9488 | 9658 | | 50 |
| 10.80 | | | 10198 * | 9488 | 9658 | 11442 | 50 |
| 10.90 | | | 10198 * | 9488 ** | 9658 | 11442 | 50 |
| 11.00 | | | 10198 * | 9488 ** | 9658 | 11442 | 50 |
| 11.10 | | | 11384 ** | 10591 | 10781 | 13174 | 50 |
| (11.11) | 7/16 | | 11384 * | 10591 ** | 10781 | | 50 |
| 11.20 | | | 11384 | 10591 | 10781 | 13174 | 50 |
| 11.30 | | | 11384 ** | 10591 | 10781 | 13174 | 50 |
| 11.40 | | | 11384 | 10591 | 10781 | 13174 | 50 |
| 11.50 | | | 12010 * | 11174 ** | 11374 | 13174 | 50 |
| (11.51) | 29/64 | | 12010 ** | 11174 | 11374 | | 50 |
| 11.60 | | | 12010 ** | 11174 | 11374 | 13954 | 50 |
| 11.70 | | | 12010 ** | 11174 | 11374 | 13954 | 50 |
| 11.80 | | | 12010 * | 11174 | 11374 | 13954 | 50 |
| 11.90 | | | 12828 | 11935 | 12148 | 13954 | 50 |
| (11.91) | 15/32 | | 12828 ** | 11935 | 12148 | | 50 |
| 12.00 | | | 12828 * | 11935 * | 12148 | 13954 | 50 |
| 12.10 | | | 12828 * | 11935 | 12148 | 14705 | 50 |
| 12.20 | | | 12828 * | 11935 | 12148 | 14705 | 50 |
| 12.30 | | | 13613 ** | 12665 | 12891 | 14705 | 50 |
| (12.30) | 31/64 | | 13613 | 12665 | 12891 | | 50 |
| 12.40 | | | 13613 ** | 12665 | 12891 | 14705 | 50 |
| 12.50 | | | 13613 * | 12665 * | 12891 | 14705 | 50 |
| 12.60 | | | 13613 ** | 12665 | 12891 | 15777 | 50 |
| (12.70) | 1/2 | | 14368 * | 13368 * | 13606 | 15777 | 50 |
| 12.80 | | | 14368 ** | 13368 ** | 13606 | 15777 | 50 |
| 12.90 | | | 14368 ** | 13368 | 13606 | 15777 | 50 |
| 13.00 | | | 14368 * | 13368 * | 13606 | 15777 | 50 |
| (13.10) | 33/64 | | 17862 | 16619 | 16915 | | 20 |
| 13.10 | | | 17862 ** | 16619 | 16915 | | 20 |

For more details please refer our Drill Catalogue Pages 7 to 22.



**HSS PARALLEL SHANK TWIST DRILLS
JOBBER SERIES**

**IS 5101 - 1991
BS 328 (PART 1) 1986**

| Size | | WG / LG | Price Per Ten (Rs.) | | | | MOQ (No) |
|---------|-------|---------|---------------------|-----------|----------------|----------------------|----------|
| mm | inch | | M2 FFD | M2 Ground | M2 Ground Gold | M2 Ground TIN-Coated | |
| 13.20 | | | 17862 ** | 16619 | 16915 | | 20 |
| 13.30 | | | 17862 ** | 16619 | 16915 | | 20 |
| 13.40 | | | 17862 ** | 16619 | 16915 | | 20 |
| (13.49) | 17/32 | | 19016 ** | 17693 ** | 18009 | | 20 |
| 13.50 | | | 19016 * | 17693 ** | 18009 | 20649 | 20 |
| 13.60 | | | 19016 | 17693 | 18009 | | 20 |
| 13.70 | | | 19016 ** | 17693 | 18009 | | 20 |
| 13.80 | | | 19017 ** | 17693 | 18009 | | 20 |
| (13.89) | 35/64 | | 20636 | 19200 | 19542 | | 20 |
| 13.90 | | | 20636 | 19200 | 19542 | | 20 |
| 14.00 | | | 20636 * | 19200 ** | 19542 | 22197 | 20 |
| 14.25 | | | 20636 | 19200 | 19542 | | 20 |
| (14.29) | 9/16 | | 21646 ** | 20139 | 20499 | | 20 |
| 14.50 | | | 21646 * | 20139 | 20499 | 23161 | 20 |
| (14.68) | 37/64 | | 23330 | 21706 | 22094 | | 20 |
| 14.75 | | | 23330 | 21706 | 22094 | | 20 |
| 15.00 | | | 23330 ** | 21706 | 22094 | 24771 | 20 |
| (15.08) | 19/32 | | 23330 | 21706 | 22094 | | 20 |
| 15.25 | | | 23330 | 21706 | 22094 | | 20 |
| (15.48) | 39/64 | | 25286 | 23526 | 23946 | | 20 |
| 15.50 | | | 25286 ** | 23526 | 23946 | 26915 | 20 |
| 15.75 | | | 25286 | 23526 | 23946 | | 20 |
| (15.87) | 5/8 | | 25286 | 23526 | 23946 | | 20 |
| 16.00 | | | 25286 * | 23526 | 23946 | 26915 | 20 |
| 16.50 | | | 26104 ** | 24287 | 24721 | 28844 | 20 |
| (16.67) | 21/32 | | 26104 | 24287 | 24721 | | 20 |
| 17.00 | | | 26746 ** | 24884 | 25329 | 29441 | 20 |
| (17.46) | 11/16 | | 26746 ** | 24884 | 25329 | | 20 |
| 17.50 | | | 28397 ** | 26420 | 26892 | 31326 | 20 |
| 18.00 | | | 28926 * | 26913 | 27394 | 31831 | 20 |
| (18.26) | 23/32 | | 28926 | 26913 | 27394 | | 20 |
| 18.50 | | | 30305 ** | 28195 | 28699 | 33133 | 20 |
| 19.00 | | | 30610 ** | 28480 | 28988 | 33424 | 20 |
| (19.05) | 3/4 | | 30610 | 28480 | 28988 | | 20 |
| 19.50 | | | 34426 ** | 32029 | 32601 | 37069 | 20 |
| (19.84) | 25/32 | | 34426 | 32029 | 32601 | | 20 |
| 20.00 | | | 36559 * | 34014 | 34622 | 39107 | 20 |
| (20.64) | 13/16 | | 36559 | 34014 | 34622 | | 20 |
| (21.43) | 27/32 | | 38883 | 36177 | 36823 | | 20 |
| (22.22) | 7/8 | | 38883 | 36177 | 36823 | | 20 |

For more details please refer our Drill Catalogue Pages 7 to 22.

Set Rate for FFD

1 mm to 13 mm in steps of 0.5 mm

25 Pices with Metal Box Rs. 14,954/-

25 Pieces set with Telescopic Box Rs. 13,516/-

1 mm to 13 mm in steps of 1 mm

13 Pieces Set Telescopix Box Rs. 7,122/-

1/16" to 1/2" in steps of 1/64"

29 Pices with Metal Box Rs. 17,658/-

29 Pieces set with Telescopic Box Rs. 15,959/-

Set Rate for GD

1 mm to 13 mm in steps of 0.5 mm

25 Pices with Metal Box Rs. 13,913/-

25 Pieces set with Telescopic Box Rs. 12,571/-

1 mm to 13 mm in steps of 1 mm

13 Pieces Set Telescopix Box Rs. 6,623/-

1/16" to 1/2" in steps of 1/64"

29 Pices with Metal Box Rs. 16,516/-

29 Pieces set with Telescopic Box Rs. 14,966/-



HSS PARALLEL SHANK TWIST DRILLS

IS 5100 - 1969

STUB SERIES

BS 328 (PART 1) 1986

| Size | | M2 Price Per Ten (Rs.) | MOQ (No.) | Size | | M2 Price Per Ten (Rs.) | MOQ (No.) | Size | | M2 Price Per Ten (Rs.) | MOQ (No.) |
|--------|-------|------------------------------|--------------|---------|-------|------------------------------|--------------|---------|-------|------------------------------|--------------|
| mm | inch | | | mm | inch | | | mm | inch | | |
| 3.00 | | 734 ** | 200 | 9.20 | | 5908 | 100 | 16.25 | | 20185 | 50 |
| (3.17) | 1/8 | 859 * | 200 | 9.50 | | 5908 | 100 | 16.50 | | 20185 | 50 |
| 3.20 | | 891 | 200 | (9.52) | 3/8 | 6176 ** | 100 | (16.67) | 21/32 | 20185 | 50 |
| 3.50 | | 891 | 200 | 9.80 | | 6176 | 100 | 16.75 | | 20587 | 50 |
| (3.57) | 9/64 | 891 ** | 200 | (9.92) | 25/64 | 7563 | 100 | 17.00 | | 20587 | 50 |
| 3.80 | | 1234 | 200 | 10.00 | | 7563 ** | 100 | 17.25 | | 20960 | 50 |
| (3.97) | 5/32 | 1234 * | 200 | 10.20 | | 7563 | 100 | (17.46) | 11/16 | 20960 | 50 |
| 4.00 | | 1234 ** | 200 | (10.32) | 13/32 | 8130 | 100 | 17.50 | | 20960 | 50 |
| 4.20 | | 1375 | 200 | 10.50 | | 8130 | 100 | 17.75 | | 21244 | 50 |
| (4.37) | 11/64 | 1375 | 200 | (10.72) | 27/64 | 9160 | 50 | 18.00 | | 21244 ** | 50 |
| 4.50 | | 1828 | 200 | 10.80 | | 9160 | 50 | 18.25 | | 21617 | 50 |
| (4.76) | 3/16 | 1828 ** | 200 | 11.00 | | 9160 | 50 | (18.26) | 23/32 | 21617 | 50 |
| 4.80 | | 1828 ** | 200 | (11.11) | 7/16 | 9548 | 50 | 18.50 | | 21617 | 50 |
| 5.00 | | 1936 * | 200 | 11.20 | | 9548 | 50 | 18.75 | | 22005 | 50 |
| (5.16) | 13/64 | 1936 ** | 100 | 11.50 | | 10204 | 50 | 19.00 | | 22005 | 50 |
| 5.20 | | 1936 | 100 | (11.51) | 29/64 | 10204 | 50 | (19.05) | 3/4 | 22005 | 50 |
| 5.50 | | 2014 | 100 | 11.80 | | 10204 | 50 | 19.25 | | 22378 | 50 |
| (5.56) | 7/32 | 2014 ** | 100 | (11.91) | 15/32 | 10801 | 50 | 19.50 | | 22378 | 50 |
| 5.80 | | 2268 | 100 | 12.00 | | 10801 * | 50 | 19.75 | | 22378 | 50 |
| (5.95) | 15/64 | 2268 | 100 | 12.20 | | 10801 | 50 | (19.84) | 25/32 | 22378 | 50 |
| 6.00 | | 2268 ** | 100 | (12.3) | 31/64 | 11741 | 50 | 20.00 | | 22973 ** | 50 |
| 6.20 | | 2536 | 100 | 12.50 | | 11741 | 50 | 20.25 | | 23227 | 50 |
| (6.35) | 1/4 | 2536 ** | 100 | (12.70) | 1/2 | 11995 | 50 | 20.50 | | 23444 | 50 |
| 6.50 | | 3119 | 100 | 12.80 | | 11995 | 50 | (20.64) | 13/16 | 23444 | 50 |
| (6.75) | 17/64 | 3119 ** | 100 | 13.00 | | 11995 | 50 | 20.75 | | 24398 | 50 |
| 6.80 | | 3119 ** | 100 | 13.20 | | 14038 | 50 | 21.00 | | 24398 | 50 |
| 7.00 | | 3416 ** | 100 | (13.49) | 17/32 | 14038 | 50 | 21.25 | | 24466 | 50 |
| (7.14) | 9/32 | 3416 ** | 100 | 13.50 | | 14963 | 50 | (21.43) | 27/32 | 24466 | 50 |
| 7.20 | | 3416 | 100 | 13.80 | | 14963 | 50 | 21.50 | | 25529 | 50 |
| 7.50 | | 3550 | 100 | 14.00 | | 16291 | 50 | 21.75 | | 25614 | 50 |
| (7.54) | 19/64 | 3908 | 100 | 14.25 | | 16291 | 50 | 22.00 | | 25853 | 50 |
| 7.80 | | 3908 | 100 | (14.29) | 9/16 | 16291 | 50 | (22.22) | 7/8 | 25614 | 50 |
| 7.94 | 5/16 | 4296 * | 100 | 14.50 | | 16963 | 50 | 22.25 | | 27241 | 50 |
| 8.00 | | 4296 ** | 100 | 14.75 | | 18350 | 50 | 22.50 | | 27500 | 50 |
| 8.20 | | 4296 | 100 | 15.00 | | 18350 | 50 | 22.75 | | 27614 | 50 |
| (8.33) | 21/64 | 5370 | 100 | (15.08) | 19/32 | 18350 | 50 | 23.00 | | 27869 | 50 |
| 8.50 | | 5370 ** | 100 | 15.25 | | 18350 | 50 | (23.02) | 29/32 | 27614 | 25 |
| (8.73) | 11/32 | 5594 | 100 | 15.50 | | 19857 | 50 | 23.25 | | 29211 | 25 |
| 8.80 | | 5594 | 100 | 15.75 | | 19857 | 50 | 23.50 | | 29211 | 25 |
| 9.00 | | 5594 | 100 | (15.87) | 5/8 | 19857 | 50 | 23.75 | | 29211 | 25 |
| (9.13) | 23/64 | 5908 | 100 | 16.00 | | 19857 | 50 | (23.81) | 15/16 | 29210 | 25 |

For more details please refer our Drill Catalogue Pages 23 to 26.



**HSS PARALLEL SHANK TWIST DRILLS
STUB SERIES**

**IS 5100 - 1969
BS 328 (PART 1) 1986**

| Size | | M2 Price Per Ten (Rs.) | MOQ (No.) | Size | | M2 Price Per Ten (Rs.) | MOQ (No.) | Size | | M2 Price Per Ten (Rs.) | MOQ (No.) |
|---------|--------|------------------------------|--------------|---------|--------|------------------------------|--------------|---------|---------|------------------------------|--------------|
| mm | inch | | | mm | inch | | | mm | inch | | |
| 24.00 | | 32611 | 25 | (28.57) | 1.1/8 | 46755 | 25 | (34.13) | 1.11/32 | 76039 | 10 |
| 24.25 | | 32611 | 25 | 29.00 | | 49520 | 25 | 34.50 | | 76039 | 10 |
| 24.50 | | 32611 | 25 | (29.37) | 1.5/32 | 54020 | 25 | (34.92) | 1.3/8 | 67525 | 10 |
| (24.61) | 31/32 | 32611 | 25 | 29.50 | | 54020 | 25 | 35.00 | | 67525 | 10 |
| 24.75 | | 35447 | 25 | 30.00 | | 55249 | 25 | 35.50 | | 69615 | 10 |
| 25.00 | | 35777 | 25 | (30.16) | 1.3/16 | 55249 | 25 | (35.72) | 1.13/32 | 71135 | 10 |
| 25.25 | | 35777 | 25 | 30.50 | | 61599 | 25 | 36.00 | | 71135 | 10 |
| (25.40) | 1 | 35626 | 25 | (30.96) | 1.7/32 | 61599 | 25 | 36.50 | | 71135 | 10 |
| 25.50 | | 40582 | 25 | 31.00 | | 61599 | 25 | (36.51) | 1.7/16 | 71135 | 10 |
| 26.00 | | 40582 | 25 | 31.50 | | 62523 | 25 | 37.00 | | 74824 | 10 |
| (26.19) | 1.1/32 | 41130 | 25 | (31.75) | 1.1/4 | 62523 | 10 | (37.31) | 1.15/32 | 75520 | 10 |
| 26.50 | | 41510 | 25 | 32.00 | | 64459 | 10 | 37.50 | | 82122 | 10 |
| (26.99) | 1.1/16 | 41608 | 25 | 32.50 | | 65866 | 10 | 38.00 | | 82122 | 10 |
| 27.00 | | 44257 | 25 | (32.54) | 1.9/32 | 65866 | 10 | (38.10) | 1.1/2 | 92525 | 10 |
| 27.50 | | 44257 | 25 | 33.00 | | 65866 | 10 | 38.50 | | 103310 | 10 |
| (27.78) | 1.3/32 | 46397 | 25 | (33.34) | 1.5/16 | 65866 | 10 | 39.00 | | 103310 | 10 |
| 28.00 | | 46825 | 25 | 33.50 | | 69282 | 10 | 39.50 | | 105102 | 10 |
| 28.50 | | 47193 | 25 | 34.00 | | 69926 | 10 | 40.00 | | 105102 | 10 |

For more details please refer our Drill Catalogue Pages 23 to 26.



**HSS PARALLEL SHANK TWIST DRILLS
LONG SERIES**

**IS 5102 - 1969
BS 328 (PART 1) 1986**

| Size | | | | Price Per Piece (Rs.) | | | | MOQ (No.) | Size | | | | Price Per Piece (Rs.) | | | | MOQ (No.) |
|--------|-------|----|----------|-----------------------|-----|---------------------|------------------|-----------|---------|-------|-----|----------|-----------------------|--------|---------------------|------------------|-----------|
| mm | Inch | FL | OAL (mm) | M2 | M35 | M35 with TIN-Coated | M35 TiAIN Coated | | mm | Inch | FL | OAL (mm) | M2 | M35 | M35 with TIN-Coated | M35 TiAIN Coated | |
| 1.00 | | 33 | 56 | 348 | | | | 50 | (5.56) | 7/32 | 91 | 139 | 649 ** | | | | 50 |
| 1.10 | | 37 | 60 | 348 | | | | 50 | 5.80 | | 91 | 139 | 707 ** | | | | 50 |
| (1.19) | 3/64 | 41 | 65 | 348 | | | | 50 | (5.95) | 15/64 | 91 | 139 | 707 | | | | 50 |
| 1.20 | | 41 | 65 | 348 | | | | 50 | 6.00 | | 91 | 139 | 707 * | 882 | 931 | 972 | 50 |
| 1.30 | | 41 | 65 | 348 | | | | 50 | 6.20 | | 97 | 148 | 804 ** | | | | 50 |
| 1.40 | | 45 | 70 | 348 | | | | 50 | (6.35) | 1/4 | 97 | 148 | 733 ** | 925 | 989 | 1053 | 50 |
| 1.50 | | 45 | 70 | 348 * | | | | 50 | 6.50 | | 97 | 148 | 1026 ** | 1291 | 1355 | 1421 | 50 |
| (1.59) | 1/16 | 50 | 76 | 348 | | | | 50 | (6.75) | 17/64 | 102 | 156 | 1235 | | | | 50 |
| 1.60 | | 50 | 76 | 348 ** | | | | 50 | 6.80 | | 102 | 156 | 1235 ** | | | | 50 |
| 1.70 | | 50 | 76 | 348 | | | | 50 | 7.00 | | 102 | 156 | 1235 * | 1558 | 1667 | 1774 | 50 |
| 1.80 | | 53 | 80 | 348 | | | | 50 | (7.14) | 9/32 | 102 | 156 | 1235 | | | | 50 |
| 1.90 | | 53 | 80 | 348 ** | | | | 50 | 7.20 | | 102 | 156 | 1235 | | | | 50 |
| (1.98) | 5/64 | 56 | 85 | 348 | | | | 50 | 7.50 | | 102 | 156 | 1235 ** | 1558 | 1667 | 1774 | 50 |
| 2.00 | | 56 | 85 | 348 * | 491 | | | 50 | (7.54) | 19/64 | 109 | 165 | 1235 | | | | 50 |
| 2.10 | | 56 | 85 | 348 ** | | | | 50 | 7.80 | | 109 | 165 | 1235 ** | | | | 50 |
| 2.20 | | 59 | 90 | 348 ** | | | | 50 | (7.94) | 5/16 | 109 | 165 | 1273 | 1606 | 1723 | 1839 | 50 |
| 2.30 | | 59 | 90 | 441 ** | | | | 50 | 8.00 | | 109 | 165 | 1273 * | 1606 | 1723 | 1839 | 50 |
| (2.38) | 3/32 | 62 | 95 | 441 | | | | 50 | 8.20 | | 109 | 165 | 1273 | | | | 50 |
| 2.40 | | 62 | 95 | 441 ** | | | | 50 | (8.33) | 21/64 | 109 | 165 | 1273 | | | | 50 |
| 2.50 | | 62 | 95 | 441 * | | | | 50 | 8.50 | | 109 | 165 | 1284 * | 1604 * | 1736 | 1853 | 50 |
| 2.60 | | 62 | 95 | 441 * | | | | 50 | (8.73) | 11/32 | 115 | 175 | 1348 | | | | 50 |
| 2.70 | | 66 | 100 | 441 ** | | | | 50 | 8.80 | | 115 | 175 | 1630 | | | | 50 |
| (2.78) | 7/64 | 66 | 100 | 441 | | | | 50 | 9.00 | | 115 | 175 | 1417 * | 1787 | 1903 | 2021 | 50 |
| 2.80 | | 66 | 100 | 441 | | | | 50 | (9.13) | 23/64 | 115 | 175 | 1601 | | | | 50 |
| 2.90 | | 66 | 100 | 441 | | | | 50 | 9.20 | | 115 | 175 | 1630 | | | | 50 |
| 3.00 | | 66 | 100 | 446 * | 557 | 598 | 634 | 50 | 9.50 | | 115 | 175 | 1417 ** | 1787 | 1903 | 2021 | 50 |
| (3.17) | 1/8 | 69 | 106 | 446 ** | 562 | 598 | 634 | 50 | (9.52) | 3/8 | 121 | 184 | 1417 | 1787 | 1903 | 2021 | 25 |
| 3.20 | | 69 | 106 | 446 ** | 561 | | | 50 | 9.80 | | 121 | 184 | 1638 ** | | | | 25 |
| 3.50 | | 73 | 112 | 446 * | 562 | 598 | 633 | 50 | (9.92) | 25/64 | 121 | 184 | 1638 | | | | 25 |
| (3.57) | 9/64 | 73 | 112 | 446 | | | | 50 | 10.00 | | 121 | 184 | 1484 ** | 1871 | 2027 | 2186 | 25 |
| 3.80 | | 78 | 119 | 479 | | | | 50 | 10.20 | | 121 | 184 | 1638 ** | | | | 25 |
| (3.97) | 5/32 | 78 | 119 | 479 | | | | 50 | (10.32) | 13/32 | 121 | 184 | 1484 | | | | 25 |
| 4.00 | | 78 | 119 | 479 * | 604 | 640 | 678 | 50 | 10.50 | | 121 | 184 | 1780 ** | 2245 | 2403 | 2558 | 25 |
| 4.20 | | 78 | 119 | 479 ** | | | | 50 | (10.72) | 27/64 | 128 | 195 | 2022 | | | | 25 |
| (4.37) | 11/64 | 82 | 126 | 479 | | | | 50 | 10.8 | | 128 | 195 | 2022 | | | | 25 |
| 4.50 | | 82 | 126 | 479 ** | 604 | 640 | 678 | 50 | 11.0 | | 128 | 195 | 1862 ** | 2349 | 2506 | 2664 | 25 |
| (4.76) | 3/16 | 87 | 132 | 479 ** | 604 | 640 | 678 | 50 | (11.11) | 7/16 | 128 | 195 | 1862 | 2349 | 2506 | 2664 | 25 |
| 4.80 | | 87 | 132 | 479 | | | | 50 | 11.2 | | 128 | 195 | 2164 | | | | 25 |
| 5.00 | | 87 | 132 | 565 * | 713 | 754 | 794 | 50 | 11.5 | | 128 | 195 | 1916 | 2416 | 2574 | 2731 | 25 |
| (5.16) | 13/64 | 87 | 132 | 565 | | | | 50 | (11.51) | 29/64 | 128 | 195 | 2164 | | | | 25 |
| 5.20 | | 87 | 132 | 565 ** | | | | 50 | 11.8 | | 128 | 195 | 2164 | | | | 25 |
| 5.50 | | 91 | 139 | 649 ** | 818 | 858 | 899 | 50 | (11.91) | 15/32 | 134 | 205 | 1916 | | | | 25 |

For more details please refer our Drill Catalogue Pages 27 to 30.



**HSS PARALLEL SHANK TWIST DRILLS
LONG SERIES**

**IS 5102 - 1969
BS 328 (PART 1) 1986**

| Size | | | | Price Per Piece (Rs.) | | | | MOQ (No.) | Size | | | | Price Per Piece (Rs.) | | | | MOQ (No.) |
|---------|-------|-----|----------|-----------------------|--------|---------------------|------------------|-----------|---------|-------|-----|----------|-----------------------|------|---------------------|------------------|-----------|
| mm | Inch | FL | OAL (mm) | M2 | M35 | M35 with TIN-Coated | M35 TiAIN Coated | | mm | Inch | FL | OAL (mm) | M2 | M35 | M35 with TIN-Coated | M35 TiAIN Coated | |
| 12.0 | | 134 | 205 | 1974 ** | 2490 | 2654 | 2819 | 25 | (18.65) | 47/64 | 162 | 247 | 4008 | | | | 25 |
| 12.2 | | 134 | 205 | 2201 | | | | 25 | 18.75 | | 162 | 247 | 4050 | | | | 25 |
| (12.30) | 31/64 | 134 | 205 | 2201 | | | | 25 | 19.0 | | 162 | 247 | 4050 | 5109 | 5446 | 5782 | 25 |
| 12.5 | | 134 | 205 | 1974 | 2490 | 2654 | 2819 | 25 | (19.05) | 3/4 | 166 | 254 | 4050 | 5109 | 5446 | 5782 | 25 |
| (12.70) | 1/2 | 134 | 205 | 1974 | 2490 | 2654 | 2819 | 25 | 19.25 | | 166 | 254 | 4280 | | | | 25 |
| 12.8 | | 134 | 205 | 3022 | | | | 25 | (19.45) | 49/64 | 166 | 254 | 4675 | | | | 25 |
| 13.0 | | 134 | 205 | 2741 ** | 3456 | 3621 | 3786 | 25 | 19.5 | | 166 | 254 | 4280 | 5399 | 5777 | 6154 | 25 |
| (13.10) | 33/64 | 134 | 205 | 3045 | | | | 25 | 19.75 | | 166 | 254 | 4280 | | | | 25 |
| 13.2 | | 134 | 205 | 3045 | | | | 25 | (19.84) | 25/32 | 166 | 254 | 4280 | | | | 25 |
| (13.49) | 17/32 | 140 | 214 | 2793 | | | | 25 | 20.0 | | 166 | 254 | 4541 | 5730 | 6107 | 6484 | 25 |
| 13.5 | | 140 | 214 | 3045 | 3842 * | 4094 | 4349 | 25 | (20.24) | 51/64 | 171 | 261 | 4822 | | | | 25 |
| 13.8 | | 140 | 214 | 3315 | | | | 25 | 20.25 | | 171 | 261 | 4541 | | | | 25 |
| (13.89) | 35/64 | 140 | 214 | 3315 | | | | 25 | 20.5 | | 171 | 261 | 4541 | 5730 | 6107 | 6484 | 25 |
| 14.0 | | 140 | 214 | 3045 | 3842 | 4094 | 4349 | 25 | (20.64) | 13/16 | 171 | 261 | 4541 | 5730 | 6107 | 6484 | 25 |
| 14.25 | | 144 | 220 | 3045 | | | | 25 | 20.75 | | 171 | 261 | 4675 | | | | 25 |
| (14.29) | 9/16 | 144 | 220 | 3045 | 3842 | 4094 | 4349 | 25 | 21.0 | | 171 | 261 | 4675 | 5898 | 6324 | 6748 | 25 |
| 14.5 | | 144 | 220 | 3192 | 4027 | 4303 | 4581 | 25 | (21.03) | 53/64 | 171 | 261 | 5117 | | | | 25 |
| (14.68) | 37/64 | 144 | 220 | 3514 | | | | 25 | 21.25 | | 176 | 268 | 4822 | | | | 25 |
| 14.75 | | 144 | 220 | 3192 | | | | 25 | (21.43) | 27/32 | 176 | 268 | 4822 | | | | 25 |
| 15.0 | | 144 | 220 | 3192 | 4027 | 4303 | 4581 | 25 | 21.5 | | 176 | 268 | 5117 | 6454 | 6880 | 7307 | 25 |
| (15.08) | 19/32 | 149 | 227 | 3192 | | | | 25 | 21.75 | | 176 | 268 | 5117 | | | | 25 |
| 15.25 | | 149 | 227 | 3315 | | | | 25 | (21.83) | 55/64 | 176 | 268 | 5471 | | | | 25 |
| (15.48) | 39/64 | 149 | 227 | 3621 | | | | 25 | 22.0 | | 176 | 268 | 5117 | 6454 | 6880 | 7307 | 25 |
| 15.5 | | 149 | 227 | 3315 | 4182 | 4459 | 4735 | 25 | (22.22) | 7/8 | 176 | 268 | 5117 | 6454 | 6880 | 7307 | 25 |
| 15.75 | | 149 | 227 | 3315 | | | | 25 | 22.25 | | 176 | 268 | 5538 | | | | 25 |
| (15.87) | 5/8 | 149 | 227 | 3315 | 4182 | 4459 | 4735 | 25 | 22.5 | | 180 | 275 | 5538 | 6986 | 7508 | 8030 | 25 |
| 16.0 | | 149 | 227 | 3369 | 4250 | 4524 | 4802 | 25 | (22.62) | 57/64 | 180 | 275 | 5916 | | | | 25 |
| 16.25 | | 154 | 235 | 3369 | | | | 25 | 22.75 | | 180 | 275 | 5665 | | | | 25 |
| (16.27) | 41/64 | 154 | 235 | 3746 | | | | 25 | 23.0 | | 180 | 275 | 5665 | 7147 | 7667 | 8191 | 25 |
| 16.5 | | 154 | 235 | 3430 | 4327 | 4620 | 4914 | 25 | (23.02) | 29/32 | 180 | 275 | 5665 | | | | 25 |
| (16.67) | 21/32 | 154 | 235 | 3430 | | | | 25 | 23.25 | | 180 | 275 | 5741 | | | | 25 |
| 16.75 | | 154 | 235 | 3514 | | | | 25 | (23.42) | 59/64 | 180 | 275 | 6764 | | | | 25 |
| 17.0 | | 154 | 235 | 3514 | 4433 | 4724 | 5017 | 25 | 23.5 | | 180 | 275 | 6283 | 7925 | 8447 | 8970 | 25 |
| (17.07) | 43/64 | 158 | 241 | 3818 | | | | 25 | 23.75 | | 185 | 282 | 6283 | | | | 25 |
| 17.25 | | 158 | 241 | 3514 | | | | 25 | (23.81) | 15/16 | 185 | 282 | 6283 | 7925 | 8515 | 9107 | 25 |
| (17.46) | 11/16 | 158 | 241 | 3514 | 4433 | 4724 | 5017 | 25 | 24.0 | | 185 | 282 | 6550 | 8262 | 8852 | 9442 | 25 |
| 17.5 | | 158 | 241 | 3746 | 4726 | 5017 | 5310 | 25 | (24.21) | 61/64 | 185 | 282 | 7148 | | | | 25 |
| 17.75 | | 158 | 241 | 3746 | | | | 25 | 24.25 | | 185 | 282 | 6550 | | | | 25 |
| (17.86) | 45/64 | 158 | 241 | 4143 | | | | 25 | 24.5 | | 185 | 282 | 6550 | 8262 | 8852 | 9442 | 25 |
| 18.0 | | 158 | 241 | 3818 | 4817 | 5110 | 5404 | 25 | (24.61) | 31/32 | 185 | 282 | 6550 | | | | 25 |
| 18.25 | | 162 | 247 | 3818 | | | | 25 | 24.75 | | 185 | 282 | 7021 | | | | 25 |
| (18.26) | 23/32 | 162 | 247 | 3818 | | | | 25 | 25.0 | 63/64 | 185 | 282 | 7021 | 8858 | 9448 | 10039 | 25 |
| 18.5 | | 162 | 247 | 3976 | 5016 | 5355 | 5692 | 25 | (25.40) | 1 | 190 | 290 | 7113 | 8974 | 9801 | 10628 | 25 |

For more details please refer our Drill Catalogue Pages 27 to 30.



**HSS PARALLEL SHANK TWIST DRILLS
EXTRA LONG**

**FL and OAL as per Addison Standard
All other specifications as per IS 7823 - 2005**

| Size | | M2 Price Per Piece (Rs.) | | | | | | | MOQ (No.) |
|------|-------|------------------------------|---------|---------|------|---------|---------|---------|-----------|
| | | Overall Length in millimeter | | | | | | | |
| mm | inch | 150 | 175 | 200 | 225 | 250 | 300 | 350 | |
| 3 | 1/8 | 1282 ** | 1571 | 1777 | 2114 | 2491 | 3109 | | 50 |
| 3.5 | | 1249 ** | 1455 | 1873 | 2328 | 2801 | 3573 | | 50 |
| 4 | 5/32 | 1249 ** | 1455 | 1873 ** | 2328 | 2801 | 3573 | 4927 | 50 |
| 4.5 | | 1281 | 1571 | 1873 | 2328 | 2801 | 3679 | 4927 | 50 |
| 5 | 3/16 | 1281 * | 1635 ** | 2029 ** | 2490 | 2941 ** | 3898 ** | 5170 | 50 |
| 5.5 | 7/32 | 1400 | 1748 | 2348 | 2654 | 3132 | 4143 | 5388 | 25 |
| 6 | | 1400 ** | 1824 | 2230 * | 2702 | 3241 * | 4243 ** | 5593 ** | 25 |
| 6.5 | 1/4 | | | 2284 | | 3302 | 4445 | 5593 | 25 |
| 7 | | | | 2534 ** | | 3633 | 5023 ** | 6278 | 25 |
| 7.5 | 9/32 | | | 2581 | | 3856 ** | 5116 | 6278 | 25 |
| 8 | 5/16 | | | 2706 * | | 4020 * | 5242 * | 6425 ** | 25 |
| 8.5 | 11/32 | | | 2794 * | | 4105 ** | 5338 ** | 6863 | 25 |
| 9 | | | | 2794 ** | | 4105 ** | 5338 | 6863 | 25 |
| 9.5 | 3/8 | | | 2942 | | 4129 | 5454 | 7083 | 25 |
| 10 | | | | 3063 ** | | 4243 ** | 5698 ** | 7402 | 25 |
| 10.5 | 13/32 | | | 3167 | | 4532 | 5912 | 7783 | 25 |
| 11 | | | | | | 4689 | 6092 | 8030 | 25 |
| 11.5 | 7/16 | | | | | 4689 | 6092 | 8030 | 25 |
| 12 | 15/32 | | | | | 4921 ** | 6461 ** | 8240 | 25 |
| 12.5 | 1/2 | | | | | 5076 | 6669 | 8788 | 25 |

For more details please refer our Drill Catalogue Pages 31 and 32.



HSS TAPER SHANK TWIST DRILLS

IS 5103 - 1969
BS 328 (PART 1) 1986

| Size | | Shank | Price Per Piece (Rs.) | | | | | MOQ (No.) |
|--------|-------|-------|-----------------------|-----|-----|----------------------------|-----------------------------|-----------|
| mm | inch | | M2 | M35 | M42 | M2 With Crank Shaft Design | M35 With Crank Shaft Design | |
| 3.00 | | MT1 | 569 ** | | | 766 | 1149 | 100 |
| (3.17) | 1/8 | MT1 | 569 | | | 801 | 1202 | 100 |
| 3.20 | | MT1 | 592 | | | 801 | 1202 | 100 |
| 3.50 | | MT1 | 569 | | | 766 | 1149 | 100 |
| (3.57) | 9/64 | MT1 | 592 | | | 801 | 1202 | 100 |
| 3.80 | | MT1 | 592 | | | 801 | 1202 | 100 |
| (3.97) | 5/32 | MT1 | 569 | | | 766 | 1149 | 100 |
| 4.00 | | MT1 | 569 | | | 766 | 1149 | 100 |
| 4.20 | | MT1 | 765 ** | | | 1031 | 1546 | 100 |
| (4.37) | 11/64 | MT1 | 765 | | | 1031 | 1546 | 100 |
| 4.50 | | MT1 | 765 ** | | | 1031 | 1546 | 100 |
| (4.76) | 3/16 | MT1 | 765 | | | 1061 | 1591 | 100 |
| 4.80 | | MT1 | 787 | | | 1061 | 1591 | 100 |
| 5.00 | | MT1 | 765 * | | | 1031 | 1546 | 100 |
| (5.16) | 13/64 | MT1 | 787 | | | 1061 | 1591 | 100 |
| 5.20 | | MT1 | 787 ** | | | 1061 | 1591 | 100 |
| 5.50 | | MT1 | 765 ** | | | 1031 | 1546 | 100 |
| (5.56) | 7/32 | MT1 | 765 | | | 1061 | 1591 | 100 |
| 5.80 | | MT1 | 787 | | | 1061 | 1591 | 100 |
| (5.95) | 15/64 | MT1 | 787 | | | 1061 | 1591 | 100 |
| 6.00 | | MT1 | 765 ** | | | 1031 | 1546 | 100 |
| 6.20 | | MT1 | 881 | | | 1190 | 1782 | 100 |
| (6.35) | 1/4 | MT1 | 871 | | | 1282 | 1923 | 100 |
| 6.50 | | MT1 | 950 | | | 1282 | 1923 | 100 |
| (6.75) | 17/64 | MT1 | 961 ** | | | 1298 | 1950 | 100 |
| 6.80 | | MT1 | 961 * | | | 1298 | 1950 | 100 |
| 7.00 | | MT1 | 950 | | | 1282 | 1923 | 100 |
| (7.14) | 9/32 | MT1 | 950 ** | | | 1298 | 1950 | 100 |
| 7.20 | | MT1 | 961 | | | 1298 | 1950 | 100 |
| 7.50 | | MT1 | 950 ** | | | 1282 | 1923 | 100 |
| (7.54) | 19/64 | MT1 | 961 | | | 1298 | 1950 | 100 |
| 7.80 | | MT1 | 961 | | | 1298 | 1950 | 100 |
| (7.94) | 5/16 | MT1 | 950 | | | 1282 | 1923 | 100 |
| 8.00 | | MT1 | 950 | | | 1282 | 1923 | 100 |
| 8.20 | | MT1 | 1160 ** | | | 1566 | 2350 | 100 |
| (8.33) | 21/64 | MT1 | 1221 | | | 1431 | 2144 | 100 |
| 8.50 | | MT1 | 1060 * | | | 1431 | 2144 | 100 |
| (8.73) | 11/32 | MT1 | 1160 | | | 1721 | 2582 | 100 |

For more details please refer our Drill Catalogue Pages 34 to 39.



HSS TAPER SHANK TWIST DRILLS

**IS 5103 - 1969
BS 328 (PART 1) 1986**

| Size | | Shank | Price Per Piece (Rs.) | | | | | MOQ (No.) |
|---------|-------|-------|-----------------------|---------|------|----------------------------|-----------------------------|-----------|
| mm | inch | | M2 | M35 | M42 | M2 With Crank Shaft Design | M35 With Crank Shaft Design | |
| 8.80 | | MT1 | 1276 ** | | | 1721 | 2582 | 100 |
| 9.00 | | MT1 | 1160 ** | | | 1566 | 2350 | 100 |
| (9.13) | 23/64 | MT1 | 1276 | | | 1721 | 2582 | 100 |
| 9.20 | | MT1 | 1276 ** | | | 1721 | 2582 | 100 |
| 9.50 | | MT1 | 1160 ** | | | 1566 | 2350 | 100 |
| (9.52) | 3/8 | MT1 | 1160 | | | 1566 | 2350 | 100 |
| 9.80 | | MT1 | 1368 ** | | | 1846 | 2770 | 100 |
| (9.92) | 25/64 | MT1 | 1368 | | | 1671 | 2508 | 100 |
| 10.00 | | MT1 | 1206 * | 1507 | 1809 | 1627 | 2442 | 50 |
| 10.20 | | MT1 | 1342 * | | | 1812 | 2720 | 50 |
| (10.32) | 13/32 | MT1 | 1298 ** | | | 2149 | 3223 | 50 |
| 10.50 | | MT1 | 1546 * | 1933 | 2319 | 2089 | 3132 | 50 |
| (10.72) | 27/64 | MT1 | 1603 | | | 2163 | 3245 | 50 |
| 10.80 | | MT1 | 1603 ** | | | 2163 | 3245 | 50 |
| 11.00 | | MT1 | 1603 * | 2003 | 2404 | 2163 | 3245 | 50 |
| (11.11) | 7/16 | MT1 | 1603 ** | 2003 | 2404 | 2235 | 3354 | 50 |
| 11.20 | | MT1 | 1656 | | | 2235 | 3354 | 50 |
| 11.50 | | MT1 | 1656 * | 2071 | 2484 | 2235 | 3354 | 50 |
| (11.51) | 29/64 | MT1 | 1656 | | | 2235 | 3354 | 50 |
| 11.80 | | MT1 | 1656 | | | 2235 | 3354 | 50 |
| (11.91) | 15/32 | MT1 | 1656 ** | | | 2259 | 3360 | 50 |
| 12.00 | | MT1 | 1673 * | 2091 | 2510 | 2259 | 3388 | 50 |
| 12.20 | | MT1 | 1673 ** | | | 2259 | 3388 | 50 |
| (12.30) | 31/64 | MT1 | 1673 ** | | | 2259 | 3388 | 50 |
| 12.50 | | MT1 | 1673 * | 2091 | 2510 | 2259 | 3388 | 50 |
| (12.70) | 1/2 | MT1 | 1673 * | 2091 | 2510 | 3139 | 4708 | 50 |
| 12.80 | | MT1 | 2325 | | | 3139 | 4708 | 50 |
| 13.00 | | MT1 | 2325 * | 2906 | 3486 | 3139 | 4708 | 50 |
| (13.10) | 33/64 | MT1 | 2427 ** | | | 3276 | 4915 | 50 |
| 13.20 | | MT1 | 2427 ** | | | 3276 | 4915 | 50 |
| (13.49) | 17/32 | MT1 | 2427 * | | | 3508 | 5265 | 50 |
| 13.50 | | MT1 | 2599 * | 3250 | 3899 | 3508 | 5265 | 50 |
| 13.80 | | MT1 | 2599 * | | | 3508 | 5265 | 50 |
| (13.89) | 35/64 | MT1 | 2599 ** | | | 3508 | 5265 | 50 |
| 14.00 | | MT1 | 2599 * | 3250 ** | 3899 | 3508 | 5265 | 50 |
| 14.25 | | MT2 | 2793 * | | | 3768 | 5656 | 50 |
| (14.29) | 9/16 | MT2 | 2793 * | 3491 | 4189 | 3768 | 5656 | 50 |
| 14.50 | | MT2 | 2903 * | | | 3918 | 5878 | 50 |

For more details please refer our Drill Catalogue Pages 34 to 39.



HSS TAPER SHANK TWIST DRILLS

**IS 5103 - 1969
BS 328 (PART 1) 1986**

| Size | | Shank | Price Per Piece (Rs.) | | | | | MOQ (No.) |
|---------|-------|-------|-----------------------|------|------|----------------------------|-----------------------------|-----------|
| mm | inch | | M2 | M35 | M42 | M2 With Crank Shaft Design | M35 With Crank Shaft Design | |
| (14.68) | 37/64 | MT2 | 2903 | | | 3918 | 5878 | 50 |
| 14.75 | | MT2 | 2903 * | | | 3918 | 5878 | 50 |
| 15.00 | | MT2 | 2903 ** | 3629 | 4355 | 3918 | 5878 | 50 |
| (15.08) | 19/32 | MT2 | 2903 * | | | 3918 | 5878 | 50 |
| 15.25 | | MT2 | 2942 * | | | 3973 | 5960 | 50 |
| (15.48) | 39/64 | MT2 | 2942 | | | 3973 | 5960 | 50 |
| 15.50 | | MT2 | 2942 * | 3679 | 4415 | 3973 | 5960 | 50 |
| 15.75 | | MT2 | 2942 ** | | | 3973 | 5960 | 50 |
| (15.87) | 5/8 | MT2 | 2942 * | 3679 | 4415 | 4092 | 6138 | 50 |
| 16.00 | | MT2 | 3031 * | 3789 | 4547 | 4092 | 6138 | 50 |
| 16.25 | | MT2 | 3031 * | | | 4092 | 6138 | 50 |
| (16.27) | 41/64 | MT2 | 3031 ** | | | 4092 | 6138 | 50 |
| 16.50 | | MT2 | 3220 | 4024 | 4830 | 4346 | 6520 | 50 |
| (16.67) | 21/32 | MT2 | 3220 ** | | | 4346 | 6520 | 50 |
| 16.75 | | MT2 | 3220 ** | | | 4346 | 6520 | 50 |
| 17.00 | | MT2 | 3220 * | 4024 | 4830 | 4346 | 6520 | 50 |
| (17.07) | 43/64 | MT2 | 3273 | | | 4346 | 6520 | 50 |
| 17.25 | | MT2 | 3273 * | | | 4418 | 6627 | 50 |
| (17.46) | 11/16 | MT2 | 3273 * | 4092 | 4909 | 4584 | 6878 | 50 |
| 17.5 | | MT2 | 3397 * | 4246 | 5096 | 4584 | 6878 | 50 |
| 17.75 | | MT2 | 3445 ** | | | 4652 | 6978 | 50 |
| (17.86) | 45/64 | MT2 | 3579 | | | 4833 | 7247 | 50 |
| 18.00 | | MT2 | 3579 * | 4475 | 5369 | 4833 | 7247 | 50 |
| 18.25 | | MT2 | 3579 * | | | 4833 | 7247 | 50 |
| (18.26) | 23/32 | MT2 | 3579 ** | | | 4833 | 7247 | 50 |
| 18.50 | | MT2 | 3579 * | 4475 | 5369 | 4833 | 7247 | 50 |
| (18.65) | 47/64 | MT2 | 3623 ** | | | 4890 | 7335 | 50 |
| 18.75 | | MT2 | 3623 ** | | | 4890 | 7335 | 50 |
| 19.00 | | MT2 | 3623 * | 4528 | 5434 | 4890 | 7335 | 50 |
| (19.05) | 3/4 | MT2 | 3623 * | 4528 | 5434 | 4890 | 7335 | 50 |
| 19.25 | | MT2 | 3805 * | | | 5138 | 7706 | 50 |
| (19.45) | 49/64 | MT2 | 3805 | | | 5138 | 7706 | 50 |
| 19.50 | | MT2 | 3805 * | 4758 | 5708 | 5138 | 7706 | 50 |
| 19.75 | | MT2 | 3805 ** | | | 5138 | 7706 | 50 |
| (19.84) | 25/32 | MT2 | 3805 | | | 5523 | 8285 | 50 |
| 20.00 | | MT2 | 4092 * | 5115 | 6136 | 5523 | 8285 | 50 |

For more details please refer our Drill Catalogue Pages 34 to 39.



HSS TAPER SHANK TWIST DRILLS

IS 5103 - 1969
BS 328 (PART 1) 1986

| Size | | Shank | Price Per Piece (Rs.) | | | MOQ (No.) |
|---------|--------|-------|-----------------------|-------|-------|-----------|
| mm | inch | | M2 | M35 | M42 | |
| (20.24) | 51/64 | MT2 | 4140 | | | 25 |
| 20.25 | | MT2 | 4140 * | | | 25 |
| 20.50 | | MT2 | 4140 * | 5175 | 6211 | 25 |
| (20.64) | 13/16 | MT2 | 4140 ** | 5175 | 6211 | 25 |
| 20.75 | | MT2 | 4318 ** | | | 25 |
| 21.00 | | MT2 | 4318 * | 5398 | 6477 | 25 |
| (21.03) | 53/64 | MT2 | 4427 | | | 25 |
| 21.25 | | MT2 | 4427 ** | | | 25 |
| (21.43) | 27/32 | MT2 | 4427 ** | | | 25 |
| 21.50 | | MT2 | 4564 * | 5704 | 6845 | 25 |
| 21.75 | | MT2 | 4564 | | | 25 |
| (21.83) | 55/64 | MT2 | 4647 | | | 25 |
| 22.00 | | MT2 | 4647 * | 5808 | 6970 | 25 |
| (22.22) | 7/8 | MT2 | 4647 * | 5808 | 6970 | 25 |
| 22.25 | | MT2 | 5063 | | | 25 |
| 22.50 | | MT2 | 5063 * | 6330 | 7596 | 25 |
| (22.62) | 57/64 | MT2 | 5162 | | | 25 |
| 22.75 | | MT2 | 5162 | | | 25 |
| 23.00 | | MT2 | 5162 * | 6452 | 7743 | 25 |
| (23.02) | 29/32 | MT3 | 5571 | | | 25 |
| 23.25 | | MT3 | 6167 ** | | | 25 |
| (23.42) | 59/64 | MT3 | 6324 | | | 25 |
| 23.50 | | MT3 | 6324 | 7904 | 9484 | 25 |
| 23.75 | | MT3 | 6324 | | | 25 |
| (23.81) | 15/16 | MT3 | 6324 | 7904 | 9484 | 25 |
| 24.00 | | MT3 | 6510 * | 8137 | 9764 | 25 |
| (24.21) | 61/64 | MT3 | 6620 | | | 25 |
| 24.25 | | MT3 | 6620 ** | | | 25 |
| 24.50 | | MT3 | 6620 * | 8275 | 9929 | 25 |
| (24.61) | 31/32 | MT3 | 6620 | | | 25 |
| 24.75 | | MT3 | 6917 ** | | | 25 |
| 25.00 | | MT3 | 6917 * | 8645 | 10375 | 25 |
| (25.00) | 63/64 | MT3 | 6917 | | | 25 |
| 25.25 | | MT3 | 7009 | | | 25 |
| (25.40) | 1 | MT3 | 7009 * | 8761 | 10512 | 25 |
| 25.50 | | MT3 | 7618 * | 9522 | 11427 | 25 |
| 25.75 | | MT3 | 7618 | | | 25 |
| (25.80) | 1.1/64 | MT3 | 7701 | | | 25 |
| 26.00 | | MT3 | 7701 * | 9626 | 11551 | 25 |
| (26.19) | 1.1/32 | MT3 | 7701 | | | 25 |
| 26.25 | | MT3 | 7932 ** | | | 25 |
| 26.50 | | MT3 | 7932 * | 9915 | 11898 | 25 |
| (26.59) | 1.3/64 | MT3 | 8115 | | | 25 |
| 26.75 | | MT3 | 8115 | | | 25 |
| (26.99) | 1.1/16 | MT3 | 8115 | 10145 | 12173 | 25 |
| 27.00 | | MT3 | 8380 * | 10475 | 12570 | 25 |
| 27.25 | | MT3 | 8380 | | | 25 |

For more details please refer our Drill Catalogue Pages 34 to 39.



HSS TAPER SHANK TWIST DRILLS

IS 5103 - 1969
BS 328 (PART 1) 1986

| Size | | Shank | Price Per Piece (Rs.) | | | MOQ (No.) |
|---------|---------|-------|-----------------------|-------|-------|-----------|
| mm | inch | | M2 | M35 | M42 | |
| (27.38) | 1.5/64 | MT3 | 8408 | | | 25 |
| 27.50 | | MT3 | 8408 * | 10511 | 12614 | 25 |
| 27.75 | | MT3 | 8408 ** | | | 25 |
| (27.78) | 1.3/32 | MT3 | 8408 | | | 25 |
| 28.00 | | MT3 | 9193 * | 11491 | 13790 | 25 |
| (28.18) | 1.7/64 | MT3 | 9220 * | | | 25 |
| 28.25 | | MT3 | 9220 | | | 25 |
| 28.50 | | MT3 | 9220 * | 11525 | 13829 | 25 |
| (28.57) | 1.1/8 | MT3 | 9220 ** | 11525 | 13829 | 25 |
| 28.75 | | MT3 | 9500 | | | 25 |
| (28.97) | 1.9/64 | MT3 | 9654 | | | 25 |
| 29.00 | | MT3 | 9654 * | 12067 | 14482 | 25 |
| 29.25 | | MT3 | 9654 | | | 25 |
| (29.37) | 1.5/32 | MT3 | 9654 | | | 25 |
| 29.50 | | MT3 | 9691 | 12114 | 14537 | 25 |
| 29.75 | | MT3 | 9691 | | | 25 |
| (29.77) | 1.11/64 | MT3 | 9894 | | | 25 |
| 30.00 | | MT3 | 9894 * | 12367 | 14840 | 25 |
| (30.16) | 1.3/16 | MT3 | 10447 ** | 13060 | 15673 | 25 |
| 30.25 | | MT3 | 11250 | | | 25 |
| 30.50 | | MT3 | 11250 * | 14063 | 16876 | 25 |
| (30.56) | 1.13/64 | MT3 | 11432 | | | 25 |
| 30.75 | | MT3 | 11432 | | | 25 |
| (30.96) | 1.7/32 | MT3 | 11432 | | | 25 |
| 31.00 | | MT3 | 12723 * | 15902 | 19083 | 25 |
| 31.25 | | MT3 | 12723 | | | 25 |
| (31.35) | 1.15/64 | MT3 | 13278 | | | 25 |
| 31.50 | | MT3 | 13278 * | 16597 | 19916 | 25 |
| (31.75) | 1.1/4 | MT3 | 13278 * | 16597 | 19916 | 25 |
| 31.75 | | MT3 | 13278 * | | | 25 |
| 32.00 | | MT4 | 14537 * | | | 25 |
| (32.15) | 1.17/64 | MT4 | 14537 | | | 25 |
| 32.50 | | MT4 | 14537 * | | | 25 |
| (32.54) | 1.9/32 | MT4 | 14537 | | | 25 |
| (32.94) | 1.19/64 | MT4 | 14885 | | | 25 |
| 33.00 | | MT4 | 14885 * | | | 25 |
| (33.34) | 1.5/16 | MT4 | 14885 ** | | | 25 |
| 33.50 | | MT4 | 15396 ** | | | 25 |
| (33.73) | 1.21/64 | MT4 | 15684 | | | 25 |
| 34.00 | | MT4 | 15684 * | | | 25 |
| (34.13) | 1.11/32 | MT4 | 16352 | | | 25 |
| 34.50 | | MT4 | 17180 ** | | | 25 |
| (34.53) | 1.23/64 | MT4 | 17337 | | | 25 |
| (34.92) | 1.3/8 | MT4 | 17337 | | | 25 |
| 35.00 | | MT4 | 17337 * | | | 25 |
| (35.32) | 1.25/64 | MT4 | 18375 | | | 25 |
| 35.50 | | MT4 | 18375 ** | | | 25 |

For more details please refer our Drill Catalogue Pages 34 to 39.



HSS TAPER SHANK TWIST DRILLS

**IS 5103 - 1969
BS 328 (PART 1) 1986**

| Size | | Shank | Price Per Piece (Rs.) M2 | MOQ (No.) | Size | | Shank | Price Per Piece (Rs.) M2 | MOQ (No.) |
|---------|---------|-------|--------------------------|-----------|---------|---------|-------|--------------------------|-----------|
| mm | inch | | | | mm | inch | | | |
| (35.72) | 1.13/32 | MT4 | 18375 | 15 | (46.83) | 1.27/32 | MT4 | 32084 | 10 |
| 36.00 | | MT4 | 18644 * | 15 | 47.00 | | MT4 | 32084 ** | 10 |
| (36.12) | 1.27/64 | MT4 | 19028 | 10 | (47.23) | 1.55/64 | MT4 | 32754 | 10 |
| 36.50 | | MT4 | 19028 ** | 10 | 47.50 | | MT4 | 32754 | 10 |
| (36.51) | 1.7/16 | MT4 | 19028 | 10 | (47.62) | 1.7/8 | MT4 | 32754 | 10 |
| (36.91) | 1.29/64 | MT4 | 19028 | 10 | 48.00 | | MT4 | 35716 * | 10 |
| 37.00 | | MT4 | 19498 * | 10 | (48.02) | 1.57/64 | MT4 | 35716 | 10 |
| (37.31) | 1.15/32 | MT4 | 19498 | 10 | (48.42) | 1.29/32 | MT4 | 35716 | 10 |
| 37.50 | | MT4 | 20764 ** | 10 | 48.50 | | MT4 | 35979 | 10 |
| (37.70) | 1.31/64 | MT4 | 21090 | 10 | (48.82) | 1.59/64 | MT4 | 35979 | 10 |
| 38.00 | | MT4 | 21090 * | 10 | 49.00 | | MT4 | 35979 ** | 10 |
| (38.10) | 1.1/2 | MT4 | 21090 | 10 | (49.21) | 1.15/16 | MT4 | 35979 | 10 |
| (38.50) | 1.33/64 | MT4 | 21747 | 10 | 49.50 | | MT4 | 36365 ** | 10 |
| 38.50 | | MT4 | 21747 | 10 | (49.61) | 1.61/64 | MT4 | 36365 | 10 |
| (38.89) | 1.17/32 | MT4 | 21747 | 10 | 50.00 | | MT4 | 36365 * | 10 |
| 39.00 | | MT4 | 23031 * | 10 | (50.01) | 1.31/32 | MT4 | 36653 | 10 |
| (39.29) | 1.35/64 | MT4 | 23031 | 10 | (50.40) | 1.63/64 | MT4 | 38299 | 10 |
| 39.50 | | MT4 | 23031 | 10 | 50.50 | | MT4 | 38299 | 10 |
| (39.69) | 1.9/16 | MT4 | 23031 | 10 | (50.80) | 2 | MT4 | 38299 ** | 10 |
| 40.00 | | MT4 | 23624 * | 10 | 51.00 | | MT5 | 51999 ** | 5 |
| (40.08) | 1.37/64 | MT4 | 24013 | 10 | 51.50 | | MT5 | 51999 ** | 5 |
| (40.48) | 1.19/32 | MT4 | 24013 | 10 | (51.59) | 2.1/32 | MT5 | 51999 | 5 |
| 40.50 | | MT4 | 24973 | 10 | 52.00 | | MT5 | 51999 * | 5 |
| (40.88) | 1.39/64 | MT4 | 24973 | 10 | (52.39) | 2.1/16 | MT5 | 51999 | 5 |
| 41.00 | | MT4 | 24973 * | 10 | 52.50 | | MT5 | 67676 | 5 |
| (41.27) | 1.5/8 | MT4 | 24973 ** | 10 | 53.00 | | MT5 | 67676 | 5 |
| 41.50 | | MT4 | 25954 | 10 | (53.18) | 2.3/32 | MT5 | 67676 | 5 |
| (41.67) | 1.41/64 | MT4 | 25954 | 10 | 53.50 | | MT5 | 67676 | 5 |
| 42.00 | | MT4 | 25954 * | 10 | (53.97) | 2.1/8 | MT5 | 67676 | 5 |
| (42.07) | 1.21/32 | MT4 | 25954 | 10 | 54.00 | | MT5 | 67676 ** | 5 |
| (42.47) | 1.43/64 | MT4 | 26617 | 10 | 54.50 | | MT5 | 71092 | 5 |
| 42.50 | | MT4 | 26617 ** | 10 | (54.77) | 2.5/32 | MT5 | 71092 | 5 |
| (42.86) | 1.11/16 | MT4 | 26943 | 10 | 55.00 | | MT5 | 71092 * | 5 |
| 43.00 | | MT4 | 27577 ** | 10 | 55.50 | | MT5 | 71092 | 5 |
| (43.26) | 1.45/64 | MT4 | 27577 | 10 | (55.56) | 2.3/16 | MT5 | 71092 | 5 |
| 43.50 | | MT4 | 27577 ** | 10 | 56.00 | | MT5 | 74080 ** | 5 |
| (43.66) | 1.23/32 | MT4 | 27577 | 10 | (56.36) | 2.7/32 | MT5 | 74080 | 5 |
| 44.00 | | MT4 | 28551 * | 10 | 56.50 | | MT5 | 74080 ** | 5 |
| (44.05) | 1.47/64 | MT4 | 28551 | 10 | 57.00 | | MT5 | 74080 ** | 5 |
| (44.45) | 1.3/4 | MT4 | 28551 | 10 | (57.15) | 2.1/4 | MT5 | 74080 | 5 |
| 44.50 | | MT4 | 28551 | 10 | 57.50 | | MT5 | 80846 | 5 |
| (44.85) | 1.49/64 | MT4 | 29220 | 10 | (57.94) | 2.9/32 | MT5 | 80846 | 5 |
| 45.00 | | MT4 | 29220 * | 10 | 58.00 | | MT5 | 80846 ** | 5 |
| (45.24) | 1.25/32 | MT4 | 29220 | 10 | 58.50 | | MT5 | 80846 | 5 |
| 45.50 | | MT4 | 30543 | 10 | (58.74) | 2.5/16 | MT5 | 80846 | 5 |
| (45.64) | 1.51/64 | MT4 | 30543 | 10 | 59.00 | | MT5 | 82390 | 5 |
| 46.00 | | MT4 | 30543 | 10 | 59.50 | | MT5 | 82390 | 5 |
| (46.04) | 1.13/16 | MT4 | 30543 | 10 | (59.53) | 2.11/32 | MT5 | 82390 | 5 |
| (46.43) | 1.53/64 | MT4 | 32084 | 10 | 60.00 | | MT5 | 82390 | 5 |
| 46.50 | | MT4 | 32084 | 10 | (60.32) | 2.3/8 | MT5 | 82390 * | 5 |

For more details please refer our Drill Catalogue Pages 34 to 39.



HSS TAPER SHANK TWIST DRILLS

**IS 5103 - 1969
BS 328 (PART 1) 1986**

| Size | | Shank | M2 Price Per Piece (Rs.) | MOQ (No.) | Size | | Shank | M2 Price Per Piece (Rs.) | MOQ (No.) |
|---------|---------|-------|--------------------------------|-----------|----------|---------|-------|--------------------------------|-----------|
| mm | inch | | | | mm | inch | | | |
| 60.50 | | MT5 | 87575 | 5 | (76.99) | 3.1/32 | MT6 | 191516 | 2 |
| 61.00 | | MT5 | 87575 ** | 5 | 77.00 | | MT6 | 191516 | 2 |
| (61.12) | 2.13/32 | MT5 | 87575 | 5 | (77.79) | 3.1/16 | MT6 | 191516 | 2 |
| 61.50 | | MT5 | 87575 | 5 | 78.00 | | MT6 | 191516 | 2 |
| (61.91) | 2.7/16 | MT5 | 87575 | 5 | (78.58) | 3.3/32 | MT6 | 195335 | 2 |
| 62.00 | | MT5 | 87575 ** | 5 | 79.00 | | MT6 | 195335 | 2 |
| 62.50 | | MT5 | 87575 | 5 | (79.37) | 3.1/8 | MT6 | 200520 | 2 |
| (62.71) | 2.15/32 | MT5 | 89049 | 5 | 80.00 | | MT6 | 200520 | 2 |
| 63.00 | | MT5 | 89049 ** | 5 | (80.17) | 3.5/32 | MT6 | 214474 | 2 |
| (63.50) | 2.1/2 | MT5 | 89049 ** | 5 | (80.96) | 3.3/16 | MT6 | 214474 | 2 |
| 64.00 | | MT5 | 98421 | 5 | 81.00 | | MT6 | 214474 | 2 |
| (64.29) | 2.17/32 | MT5 | 98421 | 5 | (81.76) | 3.7/32 | MT6 | 220049 | 2 |
| 64.50 | | MT5 | 98421 | 5 | 82.00 | | MT6 | 220049 | 2 |
| 65.00 | | MT5 | 98421 ** | 5 | (82.55) | 3.1/4 | MT6 | 220049 | 2 |
| (65.09) | 2.9/16 | MT5 | 98421 | 5 | 83.00 | | MT6 | 224594 | 2 |
| 65.50 | | MT5 | 99153 | 5 | (83.34) | 3.9/32 | MT6 | 224594 | 2 |
| (65.88) | 2.19/32 | MT5 | 99153 | 5 | 84.00 | | MT6 | 224594 | 2 |
| 66.00 | | MT5 | 99153 | 5 | (84.14) | 3.5/16 | MT6 | 228328 | 2 |
| 66.50 | | MT5 | 99153 | 5 | (84.93) | 3.11/32 | MT6 | 228328 | 2 |
| (66.67) | 2.5/8 | MT5 | 99153 ** | 5 | 85.00 | | MT6 | 228328 | 2 |
| 67.00 | | MT5 | 101571 | 5 | (85.72) | 3.3/8 | MT6 | 260444 | 2 |
| (67.47) | 2.21/32 | MT5 | 109031 | 3 | 86.00 | | MT6 | 260444 | 2 |
| 67.50 | | MT5 | 109031 | 3 | (86.52) | 3.13/32 | MT6 | 260444 | 2 |
| 68.00 | | MT5 | 109031 | 3 | 87.00 | | MT6 | 260444 | 2 |
| (68.26) | 2.11/16 | MT5 | 109031 | 3 | (87.31) | 3.7/16 | MT6 | 265888 | 2 |
| 68.50 | | MT5 | 116968 | 3 | 88.00 | | MT6 | 265888 | 2 |
| 69.00 | | MT5 | 118180 | 3 | (88.11) | 3.15/32 | MT6 | 265888 | 2 |
| (69.05) | 2.23/32 | MT5 | 118180 | 3 | (88.90) | 3.1/2 | MT6 | 265888 | 2 |
| 69.50 | | MT5 | 118180 | 3 | 89.00 | | MT6 | 265888 | 2 |
| (69.85) | 2.3/4 | MT5 | 118180 | 3 | 90.00 | | MT6 | 271311 | 2 |
| 70.00 | | MT5 | 118180 * | 3 | (90.49) | 3.9/16 | MT6 | 281430 | 2 |
| 70.50 | | MT5 | 126088 | 3 | 91.00 | | MT6 | 281430 | 2 |
| (70.64) | 2.25/32 | MT5 | 127459 | 3 | 92.00 | | MT6 | 281430 | 2 |
| 71.00 | | MT5 | 127459 | 3 | (92.07) | 3.5/8 | MT6 | 290618 | 2 |
| (71.44) | 2.13/16 | MT5 | 127459 | 3 | 93.00 | | MT6 | 290618 | 2 |
| 71.50 | | MT5 | 127459 | 3 | (93.66) | 3.11/16 | MT6 | 301610 | 2 |
| 72.00 | | MT5 | 129923 | 3 | 94.00 | | MT6 | 301610 | 2 |
| (72.23) | 2.27/32 | MT5 | 129923 | 3 | 95.00 | | MT6 | 301610 | 2 |
| 72.50 | | MT5 | 129923 | 3 | (95.25) | 3.3/4 | MT6 | 301610 | 2 |
| 73.00 | | MT5 | 129923 | 3 | 96.00 | | MT6 | 311708 | 2 |
| (73.02) | 2.7/8 | MT5 | 129923 | 3 | (96.84) | 3.13/16 | MT6 | 311708 | 2 |
| 73.50 | | MT5 | 136824 | 3 | 97.00 | | MT6 | 311708 | 2 |
| (73.82) | 2.29/32 | MT5 | 138271 | 3 | 98.00 | | MT6 | 317221 | 2 |
| 74.00 | | MT5 | 138271 * | 3 | (98.42) | 3.7/8 | MT6 | 321750 | 2 |
| 74.50 | | MT5 | 138271 | 3 | 99.00 | | MT6 | 321750 | 2 |
| (74.61) | 2.15/16 | MT5 | 138271 | 3 | 100.00 | | MT6 | 321750 | 2 |
| 75.00 | | MT5 | 139992 * | 3 | (100.01) | 3.15/16 | MT6 | 327262 | 2 |
| (75.41) | 2.31/32 | MT5 | 139992 | 3 | 101.00 | | MT6 | 325981 | 2 |
| 75.50 | | MT5 | 139992 | 3 | (101.60) | 4 | MT6 | 327262 | 2 |
| 76.00 | | MT5 | 139992 | 3 | 102.00 | | MT6 | 327262 | 2 |
| (76.20) | 3 | MT5 | 139992 | 3 | | | | | |

For more details please refer our Drill Catalogue Pages 34 to 39.



**HSS TAPER SHANK TWIST DRILLS
LONG SERIES**

**IS 8305 - 1976
(Type N)**

| mm | Inch | FL (mm) | OAL (mm) | Shank | M2 Price Per Piece (Rs.) | MOQ (No.) | mm | Inch | FL (mm) | OAL (mm) | Shank | M2 Price Per Piece (Rs.) | MOQ (No.) |
|------|--------|---------|----------|-------|--------------------------|-----------|-------|---------|---------|----------|-------|--------------------------|-----------|
| 5 | (3/16) | 74 | 155 | MT1 | 1682 | 25 | 14 | | 142 | 223 | MT1 | 4897 ** | 25 |
| 5.2 | | 74 | 155 | MT1 | 1682 | 25 | 14.25 | | 147 | 245 | MT2 | 6112 | 25 |
| 5.5 | (7/32) | 80 | 161 | MT1 | 1873 | 25 | 14.5 | (9/16) | 147 | 245 | MT2 | 6112 | 25 |
| 5.8 | | 80 | 161 | MT1 | 1873 | 25 | 14.75 | | 147 | 245 | MT2 | 6246 | 25 |
| 6 | | 80 | 161 | MT1 | 1873 | 25 | 15 | | 147 | 245 | MT2 | 6246 | 25 |
| 6.2 | | 86 | 167 | MT1 | 2085 | 25 | 15.25 | | 153 | 251 | MT2 | 6391 | 25 |
| 6.5 | (1/4) | 86 | 167 | MT1 | 2085 | 25 | 15.5 | | 153 | 251 | MT2 | 6391 | 25 |
| 6.8 | | 93 | 174 | MT1 | 2248 | 25 | 15.75 | | 153 | 251 | MT2 | 6553 | 25 |
| 7 | | 93 | 174 | MT1 | 2248 | 25 | 16 | (5/8) | 153 | 251 | MT2 | 6553 | 25 |
| 7.2 | | 93 | 174 | MT1 | 2322 | 25 | 16.25 | | 159 | 257 | MT2 | 6669 ** | 25 |
| 7.5 | | 93 | 174 | MT1 | 2322 | 25 | 16.5 | | 159 | 257 | MT2 | 6669 | 25 |
| 7.8 | | 100 | 181 | MT1 | 2453 | 25 | 16.75 | | 159 | 257 | MT2 | 6811 | 25 |
| 8 | (5/16) | 100 | 181 | MT1 | 2453 ** | 25 | 17 | | 159 | 257 | MT2 | 6811 | 25 |
| 8.2 | | 100 | 181 | MT1 | 2505 | 25 | 17.25 | | 165 | 263 | MT2 | 7395 | 25 |
| 8.5 | | 100 | 181 | MT1 | 2505 ** | 25 | 17.5 | (11/16) | 165 | 263 | MT2 | 7395 | 25 |
| 8.8 | | 107 | 188 | MT1 | 2714 | 25 | 17.75 | | 165 | 263 | MT2 | 7412 | 25 |
| 9 | | 107 | 188 | MT1 | 2714 ** | 25 | 18 | | 165 | 263 | MT2 | 7412 ** | 25 |
| 9.2 | | 107 | 188 | MT1 | 2780 | 25 | 18.25 | | 171 | 269 | MT2 | 7530 | 25 |
| 9.5 | (3/8) | 107 | 188 | MT1 | 2780 | 25 | 18.5 | | 171 | 269 | MT2 | 7530 | 25 |
| 9.8 | | 116 | 197 | MT1 | 3155 | 25 | 18.75 | | 171 | 269 | MT2 | 7650 | 25 |
| 10 | | 116 | 197 | MT1 | 3155 ** | 25 | 19 | (3/4) | 171 | 269 | MT2 | 7650 | 25 |
| 10.2 | | 116 | 197 | MT1 | 3245 | 25 | 19.25 | | 177 | 275 | MT2 | 7859 | 25 |
| 10.5 | | 116 | 197 | MT1 | 3245 ** | 25 | 19.5 | | 177 | 275 | MT2 | 7859 | 25 |
| 10.8 | | 125 | 206 | MT1 | 3315 | 25 | 19.75 | | 177 | 275 | MT2 | 7991 | 25 |
| 11 | | 125 | 206 | MT1 | 3315 | 25 | 20 | | 177 | 275 | MT2 | 7991 | 25 |
| 11.2 | | 125 | 206 | MT1 | 3437 | 25 | 20.25 | | 184 | 282 | MT2 | 8124 | 25 |
| 11.5 | (7/16) | 125 | 206 | MT1 | 3437 | 25 | 20.5 | | 184 | 282 | MT2 | 8124 | 25 |
| 11.8 | | 125 | 206 | MT1 | 3437 | 25 | 20.75 | | 184 | 282 | MT2 | 8273 | 25 |
| 12 | | 134 | 215 | MT1 | 4077 | 25 | 21 | (13/16) | 184 | 282 | MT2 | 8273 | 25 |
| 12.2 | | 134 | 215 | MT1 | 4297 | 25 | 21.25 | | 191 | 289 | MT2 | 9610 | 25 |
| 12.5 | (1/2) | 134 | 215 | MT1 | 4297 | 25 | 21.5 | | 191 | 289 | MT2 | 9610 | 25 |
| 12.8 | | 134 | 215 | MT1 | 4297 | 25 | 21.75 | | 191 | 289 | MT2 | 9803 | 25 |
| 13 | | 134 | 215 | MT1 | 4297 | 25 | 22 | | 191 | 289 | MT2 | 9803 | 25 |
| 13.2 | | 134 | 215 | MT1 | 4297 | 25 | 22.25 | | 191 | 289 | MT2 | 10470 | 25 |
| 13.5 | | 142 | 223 | MT1 | 4707 | 25 | 22.5 | (7/8) | 198 | 296 | MT2 | 10470 | 25 |
| 13.8 | | 142 | 223 | MT1 | 4897 | 25 | 22.75 | | 198 | 296 | MT2 | 10972 | 25 |

For more details please refer our Drill Catalogue Pages 42 to 44.



**HSS TAPER SHANK TWIST DRILLS
LONG SERIES**

**IS 8305 - 1976
(Type N)**

| mm | Inch | FL (mm) | OAL (mm) | Shank | M2 Price Per Piece (Rs.) | MOQ (No.) | mm | Inch | FL (mm) | OAL (mm) | Shank | M2 Price Per Piece (Rs.) | MOQ (No.) |
|-------|----------|---------|----------|-------|--------------------------|-----------|------|-----------|---------|----------|-------|--------------------------|-----------|
| 23 | | 198 | 296 | MT2 | 10972 | 25 | 32.5 | | 248 | 397 | MT4 | 28306 | 10 |
| 23.25 | | 198 | 319 | MT3 | 13405 | 25 | 33 | (1.5/16) | 248 | 397 | MT4 | 28306 | 10 |
| 23.5 | | 198 | 319 | MT3 | 13405 | 25 | 33.5 | | 248 | 397 | MT4 | 29539 | 10 |
| 23.75 | | 206 | 327 | MT3 | 13405 | 25 | 34 | | 257 | 406 | MT4 | 29539 | 10 |
| 24 | (15/16) | 206 | 327 | MT3 | 13405 | 25 | 34.5 | | 257 | 406 | MT4 | 30829 | 10 |
| 24.25 | | 206 | 327 | MT3 | 13991 | 25 | 35 | (1.3/8) | 257 | 406 | MT4 | 30829 | 10 |
| 24.5 | | 206 | 327 | MT3 | 13991 | 25 | 35.5 | | 257 | 406 | MT4 | 30829 | 10 |
| 24.75 | | 206 | 327 | MT3 | 14501 | 25 | 36 | | 267 | 416 | MT4 | 33784 | 10 |
| 25 | | 206 | 327 | MT3 | 14501 ** | 25 | 36.5 | | 267 | 416 | MT4 | 35048 | 10 |
| 25.25 | | 214 | 335 | MT3 | 14501 | 25 | 37 | (1.7/16) | 267 | 416 | MT4 | 35048 | 10 |
| 25.5 | (1) | 214 | 335 | MT3 | 14501 | 25 | 37.5 | | 267 | 416 | MT4 | 37954 | 10 |
| 25.75 | | 214 | 335 | MT3 | 15081 | 25 | 38 | (1.1/2) | 277 | 426 | MT4 | 37954 | 10 |
| 26 | | 214 | 335 | MT3 | 15081 ** | 25 | 38.5 | | 277 | 426 | MT4 | 39201 | 10 |
| 26.25 | | 214 | 335 | MT3 | 15518 | 25 | 39 | | 277 | 426 | MT4 | 39201 | 10 |
| 26.5 | | 214 | 335 | MT3 | 15518 ** | 25 | 39.5 | | 277 | 426 | MT4 | 40754 | 10 |
| 26.75 | | 222 | 343 | MT3 | 18389 | 25 | 40 | | 277 | 426 | MT4 | 40754 | 10 |
| 27 | (1.1/16) | 222 | 343 | MT3 | 18389 | 25 | 40.5 | | 287 | 436 | MT4 | 40754 | 10 |
| 27.25 | | 222 | 343 | MT3 | 18976 | 25 | 41 | (1.5/8) | 287 | 436 | MT4 | 40754 | 10 |
| 27.5 | | 222 | 343 | MT3 | 18976 | 25 | 41.5 | | 287 | 436 | MT4 | 42837 | 10 |
| 27.75 | | 222 | 343 | MT3 | 19559 | 25 | 42 | | 287 | 436 | MT4 | 42837 | 10 |
| 28 | | 222 | 343 | MT3 | 19559 | 25 | 42.5 | | 287 | 436 | MT4 | 45321 | 10 |
| 28.25 | | 230 | 351 | MT3 | 20190 | 25 | 43 | | 298 | 447 | MT4 | 48686 | 10 |
| 28.5 | (1.1/8) | 230 | 351 | MT3 | 20190 | 25 | 43.5 | | 298 | 447 | MT4 | 51324 | 10 |
| 28.75 | | 230 | 351 | MT3 | 20756 | 25 | 44 | | 298 | 447 | MT4 | 51324 | 10 |
| 29 | | 230 | 351 | MT3 | 20756 | 25 | 44.5 | | 298 | 447 | MT4 | 53435 | 10 |
| 29.25 | | 230 | 351 | MT3 | 21330 | 25 | 45 | (1.3/4) | 298 | 447 | MT4 | 53435 | 10 |
| 29.5 | | 230 | 351 | MT3 | 21330 | 25 | 45.5 | | 310 | 459 | MT4 | 56338 | 10 |
| 29.75 | | 230 | 351 | MT3 | 21935 | 25 | 46 | (1.13/16) | 310 | 459 | MT4 | 56338 | 10 |
| 30 | (1.3/16) | 230 | 351 | MT3 | 21935 | 25 | 46.5 | | 310 | 459 | MT4 | 58630 | 10 |
| 30.25 | | 239 | 360 | MT3 | 22519 | 25 | 47 | | 310 | 459 | MT4 | 58630 | 10 |
| 30.5 | | 239 | 360 | MT3 | 22519 | 25 | 47.5 | | 310 | 459 | MT4 | 61592 | 10 |
| 30.75 | | 239 | 360 | MT3 | 22519 | 25 | 48 | (1.7/8) | 321 | 470 | MT4 | 61592 | 10 |
| 31 | | 239 | 360 | MT3 | 22519 | 25 | 48.5 | | 321 | 470 | MT4 | 67455 | 10 |
| 31.25 | | 239 | 360 | MT3 | 22681 | 25 | 49 | (1.15/16) | 321 | 470 | MT4 | 67455 | 10 |
| 31.5 | | 239 | 360 | MT3 | 22681 | 25 | 49.5 | | 321 | 470 | MT4 | 67455 | 10 |
| 31.75 | (1.1/4) | 248 | 369 | MT3 | 23557 | 25 | 50 | | 321 | 470 | MT4 | 70932 | 10 |
| 32 | | 248 | 397 | MT4 | 27134 | 10 | | | | | | | |

For more details please refer our Drill Catalogue Pages 42 to 44.



**HSS TAPER SHANK TWIST DRILLS
EXTRA LONG**

**FL and OAL as per Addison Standard
All other specifications as per IS 7822 - 2005**

| Size | | M2 Price Per Piece (Rs.) | | | | | | | | | | MOQ (No.) |
|------|------|------------------------------|---------|---------|------|---------|------|------|---------|-------|---------|--------------|
| | | Overall Length in millimetre | | | | | | | | | | |
| mm | inch | 200 | 225 | 250 | 275 | 300 | 315 | 325 | 350 | 375 | 400 | |
| 3 | 1/8 | 2365 | 2780 | 3079 | 3503 | 3970 | | 4585 | | | | 25 |
| 3.5 | | 2431 | 2780 | 3165 | 3588 | 4075 | | 4710 | | | | 25 |
| 4 | 5/32 | 2431 | 2780 | 3165 | 3588 | 4075 | | 4710 | | | | 25 |
| 4.5 | | 2491 | 2858 | 3165 | 3674 | 4320 | | 4955 | | | | 25 |
| 5 | 3/16 | 2491 | 2858 | 3165 | 3674 | 4320 | | 4955 | | | | 25 |
| 5.5 | 7/32 | 2491 | 2876 | 3319 ** | 3891 | 4412 | | 5088 | | | | 25 |
| 6 | | 2506 ** | 2876 | 3354 | 3891 | 4412 ** | 4822 | 5088 | | | | 25 |
| 6.5 | 1/4 | 2542 | 2968 | 3370 | 4087 | 4585 | 4973 | 5239 | | | | 25 |
| 7 | | 2769 ** | 3118 | 3501 | 4165 | 4799 | 5278 | 5499 | | | | 25 |
| 7.5 | | 2801 | 3196 | 3602 | 4241 | 4924 | 5394 | 5605 | | | | 25 |
| 8 | 5/16 | 2926 ** | 3267 | 3745 ** | 4394 | 5049 ** | 5481 | 5761 | | | | 25 |
| 8.5 | | 3023 * | 3392 ** | 3819 ** | 4472 | 5142 ** | 5547 | 5920 | | | | 25 |
| 9 | | 3071 ** | 3440 | 3910 ** | 4495 | 5182 | 5694 | 5969 | | | | 25 |
| 9.5 | 3/8 | 3147 | 3482 | 3910 ** | 4619 | 5312 ** | 5770 | 5997 | | | | 25 |
| 10 | | 3155 ** | 3571 ** | 4027 ** | 4701 | 5415 | 5912 | 6164 | 6897 | 7777 | 8650 ** | 25 |
| 10.5 | | 3245 | 3704 ** | 4297 ** | 4968 | 5694 | 6166 | 6475 | 7403 | 8318 | 9374 | 25 |
| 11 | | 3317 | 3819 | 4338 | 5049 | 5798 | 6367 | 6640 | 7538 | 8451 | 9450 | 25 |
| 11.5 | 7/16 | 3437 | 3898 | 4448 | 5172 | 5941 | 6475 | 6764 | 7741 | 8675 | 9697 | 25 |
| 12 | | | 4078 ** | 4643 | 5378 | 6164 | 6726 | 7065 | 7990 | 8871 | 9950 ** | 25 |
| 12.5 | 1/2 | | 4297 | 4799 | 5573 | 6352 | 6942 | 7261 | 8367 | 9443 | 10670 | 25 |
| 13 | | | | 5694 ** | 6521 | 7403 | 8037 | 8451 | 9618 | 10795 | 12127 | 25 |
| 13.5 | | | | 5875 | 6652 | 7605 | 8233 | 8607 | 9802 | 11065 | 12432 | 25 |
| 14 | | | | 6072 ** | 6850 | 7741 | 8399 | 8743 | 9994 ** | 11291 | 12671 | 25 |

For more details please refer our Drill Catalogue Pages 46 to 51.



**HSS TAPER SHANK TWIST DRILLS
EXTRA LONG**

**FL and OAL as per Addison Standard
All other specifications as per IS 7822 - 2005**

| Size | | M2 Price Per Piece (Rs.) | | | | | | MOQ (No.) |
|------|--------|------------------------------|------|----------|----------|-------|----------|-----------|
| | | Overall Length in millimetre | | | | | | |
| mm | inch | 250 | 275 | 300 | 315 | 325 | 350 | |
| 14.5 | 9/16 | 6111 | 6944 | 7856 | 8444 | 8871 | 10186 | 25 |
| 15 | | 6246 | 7096 | 8046 ** | 8624 ** | 9086 | 10389 ** | 25 |
| 15.5 | | 6390 | 7260 | 8124 ** | 8792 | 9212 | 10546 | 25 |
| 16 | 5/8 | 6553 | 7381 | 8286 | 8917 | 9378 | 10699 ** | 25 |
| 16.5 | | 6669 | 7479 | 8444 | 9086 | 9525 | 10899 | 25 |
| 17 | | 6810 | 7661 | 8533 ** | 9197 | 9652 | 11065 | 25 |
| 17.5 | 11/16 | | | 8743 ** | 9374 | 9840 | 11278 ** | 25 |
| 18 | | | | 8871 ** | 9582 | 9994 | 11459 ** | 25 |
| 18.5 | | | | 9011 | 9697 | 10175 | 11560 | 25 |
| 19 | 3/4 | | | 9173 ** | 9986 | 10326 | 11749 ** | 25 |
| 19.5 | | | | 9287 | 9950 | 10426 | 11962 | 25 |
| 20 | | | | 9443 ** | 10114 | 10626 | 12100 ** | 25 |
| 20.5 | | | | 9618 | 10298 | 10775 | 12301 | 25 |
| 21 | 13/16 | | | 9791 | 10497 | 10956 | 12566 | 25 |
| 21.5 | | | | 9994 | 10670 | 11140 | 12786 | 25 |
| 22 | | | | 10213 ** | 10955 | 11459 | 13025 ** | 25 |
| 22.5 | 7/8 | | | 10483 | 11186 ** | 11704 | 13246 | 25 |
| 23 | | | | 10972 | 11711 | 12138 | 13685 | 25 |
| 23.5 | | | | 12055 | | 13405 | 14689 | 25 |
| 24 | 15/16 | | | 12055 | | 13405 | 14835 ** | 25 |
| 24.5 | | | | 12432 | | 13991 | 15514 | 25 |
| 25 | | | | | | 14501 | 16083 ** | 25 |
| 25.5 | 1 | | | | | | 16582 | 25 |
| 26 | | | | | | | 17257 ** | 25 |
| 26.5 | | | | | | | 17772 | 25 |
| 27 | 1.1/16 | | | | | | 18389 | 25 |
| 27.5 | | | | | | | 18977 | 25 |
| 28 | | | | | | | 19560 | 25 |
| 28.5 | 1.1/8 | | | | | | 20190 ** | 25 |
| 29 | | | | | | | 20756 | 25 |
| 29.5 | | | | | | | 21330 | 25 |
| 30 | 1.3/16 | | | | | | 21934 | 25 |
| 31 | 1.1/4 | | | | | | 22519 | 25 |
| 32 | | | | | | | 22681 | 10 |

For more details please refer our Drill Catalogue Pages 46 to 51.



**HSS TAPER SHANK TWIST DRILLS
EXTRA LONG**

**FL and OAL as per Addison Standard
All other specifications as per IS 7822 - 2005**

| Size | | M2 Price Per Piece (Rs.) | | | | | | | MOQ (No.) |
|------|---------|------------------------------|----------|-------|-------|-------|----------|-------|-----------|
| | | Overall Length in millimetre | | | | | | | |
| mm | inch | 375 | 400 | 425 | 450 | 475 | 500 | 525 | |
| 14.5 | 9/16 | 11488 | 12893 | 15158 | 16919 | 19039 | 21352 | | 25 |
| 15 | | 11648 | 13104 | 15091 | 17123 | 19229 | 21569 | | 25 |
| 15.5 | | 11871 | 13283 | 15199 | 17288 | 19398 | 21754 | | 25 |
| 16 | 5/8 | 12055 | 13551 | 15515 | 17588 | 19632 | 21995 | | 25 |
| 16.5 | | 12278 | 13837 | 15748 | 17772 | 19832 | 22130 | | 25 |
| 17 | | 12442 | 13991 | 15936 | 17995 | 20025 | 22337 | | 25 |
| 17.5 | 11/16 | 12653 | 14157 | 16128 | 18201 | 20278 | 22545 | | 25 |
| 18 | | 12874 | 14416 | 16331 | 18389 | 20492 | 22765 | 25266 | 25 |
| 18.5 | | 13025 | 14643 | 16536 | 18600 | 20632 | 22983 | 25513 | 25 |
| 19 | 3/4 | 13228 | 14835 | 16710 | 18812 | 20836 | 23116 | 25657 | 25 |
| 19.5 | | 13487 | 15137 | 16919 | 19034 | 21085 | 23340 | 25909 | 25 |
| 20 | | 13670 | 15355 | 17257 | 19229 | 21314 | 23625 | 26224 | 25 |
| 20.5 | | 13837 | 15586 | 17464 | 19560 | 21641 | 23981 | 26620 | 25 |
| 21 | 13/16 | 14125 | 15839 | 17837 | 19892 | 22039 | 24357 | 27038 | 25 |
| 21.5 | | 14396 | 16142 | 18104 | 20312 | 22437 | 24853 | 27589 | 25 |
| 22 | | 14643 | 16412 ** | 18389 | 20628 | 22794 | 25247 | 28023 | 25 |
| 22.5 | 7/8 | 14835 | 16589 | 18707 | 20913 | 23186 | 25667 ** | 28489 | 25 |
| 23 | | 15159 | 16885 ** | 18977 | 21295 | 23530 | 26039 | 28904 | 25 |
| 23.5 | | 16147 | 17462 | 19620 | 21900 | 24241 | 26839 | 29791 | 25 |
| 24 | 15/16 | 16357 | 18072 ** | 20236 | 22594 | 24901 | 27556 | 30587 | 25 |
| 24.5 | | 16919 | 18688 | 20902 | 23237 | 25630 | 28305 | 31137 | 25 |
| 25 | | 17588 | 19266 ** | 21494 | 23909 | 26343 | 29096 | 32006 | 25 |
| 25.5 | 1 | 18104 | 19838 | 22106 | 24536 | 27052 | 29776 | 32752 | 25 |
| 26 | | 18759 | 20481 | 22765 | 25262 | 27751 | 30568 | 33627 | 25 |
| 26.5 | | 19306 | 21052 | 23396 | 25907 | 28405 | 31319 | 34449 | 25 |
| 27 | 1.1/16 | 19982 | 21676 ** | 24015 | 26554 | 29144 | 32046 | 35252 | 25 |
| 27.5 | | 20492 | 22212 | 24654 | 27222 | 29821 | 32769 | 36045 | 25 |
| 28 | | 21085 | 22862 ** | 25262 | 27882 | 31159 | 33561 ** | 36917 | 25 |
| 28.5 | 1.1/8 | 21705 | 23430 | 25851 | 28559 | 31267 | 34253 | 37679 | 25 |
| 29 | | 22302 | 24068 | 26501 | 29240 | 31928 | 35028 | 38531 | 25 |
| 29.5 | | 22862 | 24638 | 27133 | 29863 | 32649 | 35796 | 39376 | 25 |
| 30 | 1.3/16 | 23477 | 25247 | 27751 | 30534 | 33336 | 36502 | 40893 | 25 |
| 31 | 1.1/4 | 24064 | 25858 | 28435 | 31327 | 34204 | 37532 ** | 40909 | 25 |
| 32 | | 24536 | 27133 ** | 29821 | 32844 | 35796 | 39271 ** | 41841 | 10 |
| 33 | 1.5/16 | | 28305 ** | 31148 | 34307 | 37397 | 40987 | 43726 | 10 |
| 34 | | | 29539 | 32472 | 35774 | 39016 | 42750 | 45573 | 10 |
| 35 | 1.3/8 | | 30829 ** | 33896 | 37247 | 40649 | 44494 | 47413 | 10 |
| 36 | | | 32046 ** | 35182 | 38690 | 42215 | 46238 | 49180 | 10 |
| 37 | 1.7/16 | | 33266 | 36502 | 40162 | 43799 | 47920 | 51026 | 10 |
| 38 | 1.1/2 | | 34535 ** | 37955 | 41719 | 45441 | 49738 | 52950 | 10 |
| 39 | | | 35796 | 39619 | 43046 | 46884 | 51222 | 54523 | 10 |
| 40 | | | 37295 ** | 40754 | 44560 | 48466 | 52902 | 56243 | 10 |
| 41 | 1.5/8 | | | | | | 54656 | 59030 | 10 |
| 42 | | | | | | | 57086 | 61653 | 10 |
| 43 | | | | | | | 59617 | 63790 | 10 |
| 44 | | | | | | | 62105 | 66451 | 10 |
| 45 | 1.3/4 | | | | | | 64635 | 68569 | 10 |
| 46 | 1.13/16 | | | | | | 67371 | 71413 | 10 |
| 47 | | | | | | | 70092 | 74299 | 10 |
| 48 | 1.7/8 | | | | | | 72828 | 77198 | 10 |
| 49 | 1.15/16 | | | | | | 75506 | 80036 | 10 |
| 50 | | | | | | | 78549 ** | 83262 | 10 |

For more details please refer our Drill Catalogue Pages 46 to 51.



**HSS TAPER SHANK TWIST DRILLS
EXTRA LONG**

**FL and OAL as per Addison Standard
All other specifications as per IS 7822 - 2005**

| Size | | M2 Price Per Piece (Rs.) | | | | | | MOQ (No.) |
|------|---------|------------------------------|-------|-------|--------|--------|--------|-----------|
| | | Overall Length in millimetre | | | | | | |
| mm | inch | 550 | 575 | 600 | 625 | 650 | 675 | |
| 14.5 | 9/16 | — | — | — | — | — | — | — |
| 15 | | — | — | — | — | — | — | — |
| 15.5 | | — | — | — | — | — | — | — |
| 16 | 5/8 | — | — | — | — | — | — | — |
| 16.5 | | — | — | — | — | — | — | — |
| 17 | | — | — | — | — | — | — | — |
| 17.5 | 11/16 | — | — | — | — | — | — | — |
| 18 | | 27773 | 30276 | 32780 | 35285 | 37788 | 40293 | 10 |
| 18.5 | | 28038 | 30568 | 33097 | 35624 | 38152 | 40680 | 10 |
| 19 | 3/4 | 28200 | 30742 | 33285 | 35828 | 38372 | 40913 | 10 |
| 19.5 | | 28478 | 31045 | 33611 | 36179 | 38748 | 41314 | 10 |
| 20 | | 28823 | 31421 | 34023 | 36620 | 39219 | 41818 | 10 |
| 20.5 | | 29257 | 31894 | 34532 | 37170 | 39809 | 42447 | 10 |
| 21 | 13/16 | 29716 | 32395 | 35075 | 37754 | 40434 | 43112 | 10 |
| 21.5 | | 30321 | 33055 | 35789 | 38521 | 41254 | 43989 | 10 |
| 22 | | 30801 | 33578 | 36355 | 39132 | 41910 | 44687 | 10 |
| 22.5 | | 31313 | 34136 | 36960 | 39783 | 42605 | 45428 | 10 |
| 23 | | 31770 | 34635 | 37498 | 40363 | 43227 | 46094 | 10 |
| 23.5 | | 32744 | 35698 | 38648 | 41603 | 44555 | 47506 | 10 |
| 24 | 15/16 | 33618 | 36649 | 39683 | 42714 | 45745 | 48774 | 10 |
| 24.5 | | 33967 | 36797 | 39912 | 43024 | 46137 | 49251 | 10 |
| 25 | | 34915 | 37825 | 40735 | 43644 | 46554 | 49464 | 10 |
| 25.5 | 1 | 35730 | 38708 | 41686 | 44663 | 47640 | 50618 | 10 |
| 26 | | 36684 | 39739 | 42795 | 45855 | 48911 | 51969 | 10 |
| 26.5 | | 37582 | 40714 | 43846 | 46978 | 50107 | 53242 | 10 |
| 27 | 1.1/16 | 38456 | 41660 | 44864 | 48070 | 51275 | 54479 | 10 |
| 27.5 | | 39323 | 42601 | 45877 | 49153 | 52431 | 55709 | 10 |
| 28 | | 40273 | 43631 | 46986 | 50343 | 53697 | 57054 | 10 |
| 28.5 | 1.1/8 | 41103 | 44529 | 47954 | 51379 | 54804 | 58230 | 10 |
| 29 | | 42035 | 45538 | 49039 | 52544 | 56045 | 59548 | 10 |
| 29.5 | | 42955 | 46534 | 50113 | 53693 | 57273 | 60852 | 10 |
| 30 | 1.3/16 | 43803 | 47454 | 51042 | 54752 | 58402 | 62053 | 10 |
| 31 | 1.1/4 | 44286 | 47665 | 51102 | 54990 | 58489 | 62201 | 10 |
| 32 | | 45190 | 48537 | 51883 | 55230 | 58577 | 63237 | 10 |
| 33 | 1-5/16 | 47225 | 50719 | 54218 | 57716 | 61215 | 64712 | 10 |
| 34 | | 49219 | 52863 | 56511 | 60156 | 63803 | 67447 | 10 |
| 35 | 1-3/8 | 51207 | 55001 | 58794 | 62586 | 66379 | 70173 | 10 |
| 36 | 1-7/16 | 53116 | 57050 | 60984 | 64916 | 68853 | 72787 | 10 |
| 37 | | 55108 | 59191 | 63273 | 67356 | 71437 | 75521 | 10 |
| 38 | 1-1/2 | 57186 | 61422 | 65658 | 69895 | 74131 | 78366 | 10 |
| 39 | | 58885 | 63247 | 67609 | 71972 | 76333 | 80694 | 10 |
| 40 | | 60740 | 65241 | 69741 | 74238 | 78740 | 83239 | 10 |
| 41 | 1-5/8 | 63401 | 67774 | 72148 | 76520 | 80892 | 85265 | 10 |
| 42 | | 66219 | 70787 | 75354 | 79921 | 84487 | 88832 | 10 |
| 43 | | 67965 | 72137 | 76310 | 80483 | 84657 | 89055 | 10 |
| 44 | | 70800 | 75147 | 79496 | 83842 | 88190 | 92536 | 10 |
| 45 | 1-3/4 | 73685 | 78207 | 82733 | 87258 | 91624 | 95668 | 10 |
| 46 | 1-13/16 | 75455 | 79499 | 83538 | 87582 | 91781 | 96306 | 10 |
| 47 | | 78504 | 82710 | 86916 | 91123 | 95326 | 99534 | 10 |
| 48 | 1-7/8 | 81569 | 85937 | 90308 | 94678 | 99046 | 103417 | 10 |
| 49 | 1-15/16 | 84566 | 89096 | 93625 | 98157 | 102687 | 107217 | 10 |
| 50 | | 87975 | 92687 | 97399 | 102114 | 106826 | 111540 | 10 |

For more details please refer our Drill Catalogue Pages 46 to 51.



**HSS TAPER SHANK TWIST DRILLS
EXTRA LONG**

**FL and OAL as per Addison Standard
All other specifications as per IS 7822 - 2005**

| Size | | M2 Price Per Piece (Rs.) | | | | | | MOQ (No.) |
|------|---------|------------------------------|--------|--------|--------|--------|--------|-----------|
| | | Overall Length in millimetre | | | | | | |
| mm | inch | 700 | 725 | 750 | 775 | 800 | 825 | |
| 14.5 | 9/16 | — | — | — | — | — | — | — |
| 15 | | — | — | — | — | — | — | — |
| 15.5 | | — | — | — | — | — | — | — |
| 16 | 5/8 | — | — | — | — | — | — | — |
| 16.5 | | — | — | — | — | — | — | — |
| 17 | | — | — | — | — | — | — | — |
| 17.5 | 11/16 | — | — | — | — | — | — | — |
| 18 | | 42795 | 45300 | 47805 | 50309 | 52813 | 55317 | 5 |
| 18.5 | | 43208 | 45738 | 48263 | 50791 | 53322 | 55849 | 5 |
| 19 | 3/4 | 43455 | 46000 | 48540 | 51084 | 53626 | 56171 | 5 |
| 19.5 | | 43882 | 46449 | 49018 | 51585 | 54152 | 56720 | 5 |
| 20 | | 44416 | 47015 | 49614 | 52213 | 54812 | 57409 | 5 |
| 20.5 | | 45084 | 47724 | 50361 | 52999 | 55635 | 58274 | 5 |
| 21 | 13/16 | 45792 | 48469 | 51148 | 53829 | 56507 | 59187 | 5 |
| 21.5 | | 46725 | 49457 | 52192 | 54925 | 57659 | 60393 | 5 |
| 22 | | 47463 | 50241 | 53018 | 55794 | 58573 | 61350 | 5 |
| 22.5 | | 48252 | 51075 | 53897 | 56723 | 59545 | 62366 | 5 |
| 23 | | 48956 | 51820 | 54947 | 57550 | 60412 | 63278 | 5 |
| 23.5 | | 50459 | 53412 | 56364 | 59315 | 62268 | 65220 | 5 |
| 24 | 15/16 | 51807 | 54838 | 57867 | 60901 | 63931 | 66963 | 5 |
| 24.5 | | 52225 | 55195 | 58169 | 61001 | 63970 | 66980 | 5 |
| 25 | | 52372 | 55283 | 58192 | 61103 | 64011 | 66996 | 5 |
| 25.5 | 1 | 53598 | 56575 | 59552 | 62530 | 65506 | 68484 | 5 |
| 26 | | 55024 | 58081 | 61138 | 64195 | 67252 | 70309 | 5 |
| 26.5 | | 56374 | 59506 | 62636 | 65767 | 68901 | 72033 | 5 |
| 27 | 1.1/16 | 57685 | 60888 | 64094 | 67300 | 70503 | 73708 | 5 |
| 27.5 | | 58984 | 62263 | 65538 | 68815 | 72093 | 75368 | 5 |
| 28 | | 60409 | 63767 | 67123 | 70479 | 73836 | 77190 | 5 |
| 28.5 | 1.1/8 | 61655 | 65080 | 68506 | 71931 | 75356 | 78781 | 5 |
| 29 | | 63050 | 66554 | 70057 | 73559 | 77062 | 80566 | 5 |
| 29.5 | | 64431 | 68011 | 71590 | 75172 | 78751 | 82328 | 5 |
| 30 | 1.3/16 | 65703 | 69352 | 73003 | 76520 | 80303 | 83954 | 5 |
| 31 | 1.1/4 | 66144 | 69520 | 73141 | 76655 | 80879 | 84257 | 5 |
| 32 | | 66584 | 69932 | 73279 | 78106 | 81455 | 84802 | 5 |
| 33 | 1-5/16 | 68210 | 71709 | 75206 | 78704 | 82201 | 85700 | 5 |
| 34 | | 71093 | 74738 | 78384 | 82031 | 85675 | 89322 | 5 |
| 35 | 1-3/8 | 73967 | 77760 | 81553 | 85344 | 89138 | 92933 | 5 |
| 36 | 1-7/16 | 76723 | 80656 | 84591 | 88524 | 92461 | 96393 | 5 |
| 37 | | 79601 | 83683 | 87766 | 91849 | 95931 | 100013 | 5 |
| 38 | 1-1/2 | 82602 | 86839 | 91074 | 95309 | 99545 | 103781 | 5 |
| 39 | | 85058 | 89419 | 93780 | 98143 | 102504 | 106865 | 5 |
| 40 | | 87739 | 92238 | 96736 | 101237 | 105734 | 110234 | 5 |
| 41 | 1-5/8 | 89637 | 94011 | 98381 | 102755 | 107127 | 111502 | 5 |
| 42 | | 93005 | 98188 | 102755 | 107323 | 111890 | 116456 | 5 |
| 43 | | 93622 | 99709 | 104167 | 108625 | 113081 | 117538 | 5 |
| 44 | | 96884 | 101231 | 105579 | 109928 | 114274 | 118620 | 5 |
| 45 | 1-3/4 | 99709 | 105357 | 109880 | 114405 | 118931 | 123453 | 5 |
| 46 | 1-13/16 | 100830 | 106650 | 110691 | 114736 | 119961 | 124003 | 5 |
| 47 | | 103740 | 107945 | 112150 | 116356 | 121005 | 125212 | 5 |
| 48 | 1-7/8 | 107787 | 112156 | 116525 | 120895 | 125265 | 129635 | 5 |
| 49 | 1-15/16 | 111747 | 116277 | 120807 | 125339 | 129869 | 134399 | 5 |
| 50 | | 116253 | 120965 | 125680 | 130392 | 135104 | 139818 | 5 |

For more details please refer our Drill Catalogue Pages 46 to 51.



**HSS TAPER SHANK TWIST DRILLS
EXTRA LONG**

**FL and OAL as per Addison Standard
All other specifications as per IS 7822 - 2005**

| Size | | M2 Price Per Piece (Rs.) | | | | | | | MOQ (No.) |
|------|----------|------------------------------|--------|--------|--------|--------|--------|--------|-----------|
| | | Overall Length in millimetre | | | | | | | |
| mm | inch | 850 | 875 | 900 | 925 | 950 | 975 | 1000 | |
| 14.5 | 9/16 | — | — | — | — | — | — | — | — |
| 15 | | — | — | — | — | — | — | — | — |
| 15.5 | | — | — | — | — | — | — | — | — |
| 16 | 5/8 | — | — | — | — | — | — | — | — |
| 16.5 | | — | — | — | — | — | — | — | — |
| 17 | | — | — | — | — | — | — | — | — |
| 17.5 | 11/16 | — | — | — | — | — | — | — | — |
| 18 | | 57821 | 60323 | 62828 | — | — | — | — | — |
| 18.5 | | 58377 | 60905 | 63433 | — | — | — | — | — |
| 19 | 3/4 | 58712 | 61255 | 63799 | — | — | — | — | — |
| 19.5 | | 59288 | 61855 | 64423 | — | — | — | — | — |
| 20 | | 60010 | 62607 | 65206 | — | — | — | — | — |
| 20.5 | | 60912 | 63549 | 66186 | — | — | — | — | — |
| 21 | 13/16 | 61866 | 64545 | 67226 | — | — | — | — | — |
| 21.5 | | 63127 | 65861 | 68595 | — | — | — | — | — |
| 22 | | 64127 | 66905 | 69681 | 72458 | 75236 | 78013 | 80791 | 5 |
| 22.5 | | 65191 | 68014 | 70836 | 73660 | 76484 | 79307 | 82131 | 5 |
| 23 | | 66143 | 69007 | 71871 | 74734 | 77600 | 80465 | 83850 | 5 |
| 23.5 | | 68172 | 71127 | 74079 | 77031 | 79983 | 82936 | 85888 | 5 |
| 24 | 15/16 | 69994 | 73024 | 76056 | 79086 | 82118 | 85149 | 88180 | 5 |
| 24.5 | | 70023 | 73067 | 76075 | 79119 | 82126 | 85283 | 88326 | 5 |
| 25 | | 70053 | 73111 | 76094 | 79150 | 82135 | 85416 | 88472 | 5 |
| 25.5 | 1 | 71461 | 74439 | 77416 | 80393 | 83372 | 86349 | 89328 | 5 |
| 26 | | 73366 | 76423 | 79480 | 82538 | 85594 | 88651 | 91707 | 5 |
| 26.5 | | 75165 | 78295 | 81426 | 84561 | 87691 | 90823 | 93955 | 5 |
| 27 | 1.1/16 | 76913 | 80116 | 83322 | 86526 | 89730 | 92935 | 96139 | 5 |
| 27.5 | | 78647 | 81922 | 85198 | 88477 | 91754 | 95030 | 98306 | 5 |
| 28 | | 80547 | 83904 | 87259 | 90614 | 93973 | 97327 | 100683 | 5 |
| 28.5 | 1.1/8 | 82205 | 85632 | 89058 | 92480 | 95908 | 99333 | 102758 | 5 |
| 29 | | 84067 | 87572 | 91074 | 94576 | 98080 | 101583 | 105085 | 5 |
| 29.5 | | 85908 | 89487 | 93069 | 96648 | 100225 | 103807 | 107386 | 5 |
| 30 | 1.3/16 | 87604 | 91012 | 94843 | 98251 | 101778 | 105219 | 108427 | 5 |
| 31 | 1.1/4 | 87637 | 91255 | 94875 | 98399 | 101840 | 105250 | 108627 | 5 |
| 32 | | 88149 | 91496 | 94903 | 98493 | 101903 | 105427 | 108775 | 5 |
| 33 | 1-5/16" | 89197 | 92697 | 96194 | 99692 | 103190 | 106688 | 110187 | 5 |
| 34 | | 92968 | 96614 | 100259 | 103905 | 107551 | 111196 | 114845 | 5 |
| 35 | 1-3/8" | 96725 | 100518 | 104310 | 108104 | 111897 | 115690 | 119484 | 5 |
| 36 | 1-7/16" | 100328 | 104262 | 108197 | 112130 | 116067 | 120001 | 123935 | 5 |
| 37 | | 104096 | 108175 | 112258 | 116340 | 120423 | 124505 | 128587 | 5 |
| 38 | 1-1/2" | 108018 | 112254 | 116490 | 120726 | 124960 | 129197 | 133433 | 2 |
| 39 | | 111226 | 115589 | 119952 | 124313 | 128675 | 133038 | 137400 | 2 |
| 40 | | 114736 | 119235 | 123733 | 128232 | 132732 | 137233 | 141730 | 2 |
| 41 | 1-5/8" | 115871 | 120246 | 124618 | 128990 | 133362 | 137734 | 142108 | 2 |
| 42 | | 116957 | 121524 | 126091 | 130561 | 134736 | 138909 | 143083 | 2 |
| 43 | | 118045 | 122217 | 126390 | 130660 | 135130 | 139697 | 143477 | 2 |
| 44 | | 122968 | 127315 | 131664 | 136009 | 140358 | 144704 | 149053 | 2 |
| 45 | 1-3/4" | 127977 | 132088 | 136129 | 140655 | 145111 | 149222 | 153745 | 2 |
| 46 | 1-13/16" | 128046 | 132502 | 137028 | 141068 | 145180 | 149832 | 154650 | 2 |
| 47 | | 129415 | 133622 | 137827 | 142034 | 146239 | 150444 | 154737 | 2 |
| 48 | 1-7/8" | 134004 | 138373 | 142744 | 147112 | 151483 | 155852 | 160222 | 2 |
| 49 | 1-15/16" | 138929 | 143460 | 147990 | 152521 | 157052 | 161582 | 166110 | 2 |
| 50 | | 144529 | 149242 | 153956 | 158669 | 163381 | 168095 | 172806 | 2 |

For more details please refer our Drill Catalogue Pages 46 to 51.



**M2 HSS TAPER SHANK TWIST DRILLS
EXTRA LONG**

**FL and OAL as per Addison Standard
All other specifications as per IS 7822 - 2005**

| Size | | M2 Price Per Piece (Rs.) | | | | | | | | MOQ (No.) |
|-------|---------|------------------------------|-------|--------|--------|--------|--------|--------|--------|--------------|
| | | Overall Length in millimetre | | | | | | | | |
| mm | inch | 400 | 425 | 450 | 475 | 500 | 525 | 550 | 575 | |
| 50.50 | | 59769 | 65742 | 71718 | 77696 | 83673 | 89651 | 95627 | 101603 | 2 |
| 50.8 | 2 | 59769 | 65742 | 71718 | 77696 | 83673 | 89651 | 95627 | 101603 | 2 |
| 51.00 | | — | — | 78441 | 83850 | 89261 | 94670 | 100080 | 105490 | 2 |
| 51.50 | | — | — | 78441 | 83850 | 89261 | 94670 | 100080 | 105490 | 2 |
| 51.59 | 2.1/32 | — | — | 78441 | 83850 | 89261 | 94670 | 100080 | 105490 | 2 |
| 52.00 | | — | — | 78441 | 83850 | 89261 | 94670 | 100080 | 105490 | 2 |
| 52.39 | 2.1/16 | — | — | 78441 | 83850 | 89261 | 94670 | 100080 | 105490 | 2 |
| 52.50 | | — | — | 84487 | 91529 | 98568 | 105610 | 112651 | 119691 | 2 |
| 53.00 | | — | — | 84487 | 91529 | 98568 | 105610 | 112651 | 119691 | 2 |
| 53.18 | 2.3/32 | — | — | 84487 | 91529 | 98568 | 105610 | 112651 | 119691 | 2 |
| 53.50 | | — | — | 84487 | 91529 | 98568 | 105610 | 112651 | 119691 | 2 |
| 53.97 | 2.1/8 | — | — | 84487 | 91529 | 98568 | 105610 | 112651 | 119691 | 2 |
| 54.00 | | — | — | 84487 | 91529 | 98568 | 105610 | 112651 | 119691 | 2 |
| 54.50 | | — | — | 88751 | 96149 | 103545 | 110943 | 118338 | 125734 | 2 |
| 54.77 | 2.5/32 | — | — | 88751 | 96149 | 103545 | 110943 | 118338 | 125734 | 2 |
| 55.00 | | — | — | 88751 | 96149 | 103545 | 110943 | 118338 | 125734 | 2 |
| 55.50 | | — | — | 88751 | 96149 | 103545 | 110943 | 118338 | 125734 | 2 |
| 55.56 | 2.3/16 | — | — | 88751 | 96149 | 103545 | 110943 | 118338 | 125734 | 2 |
| 56.00 | | — | — | 92483 | 100191 | 107897 | 115605 | 123312 | 131019 | 2 |
| 56.36 | 2.7/32 | — | — | 92483 | 100191 | 107897 | 115605 | 123312 | 131019 | 2 |
| 56.50 | | — | — | 92483 | 100191 | 107897 | 115605 | 123312 | 131019 | 2 |
| 57.00 | | — | — | 92483 | 100191 | 107897 | 115605 | 123312 | 131019 | 2 |
| 57.15 | 2.1/4 | — | — | 92483 | 100191 | 107897 | 115605 | 123312 | 131019 | 2 |
| 57.50 | | — | — | 96725 | 109340 | 117750 | 126162 | 134574 | 142984 | 2 |
| 57.94 | 2.9/32 | — | — | 96725 | 109340 | 117750 | 126162 | 134574 | 142984 | 2 |
| 58.00 | | — | — | 96725 | 109340 | 117750 | 126162 | 134574 | 142984 | 2 |
| 58.50 | | — | — | 96725 | 109340 | 117750 | 126162 | 134574 | 142984 | 2 |
| 58.74 | 2.5/16 | — | — | 96725 | 109340 | 117750 | 126162 | 134574 | 142984 | 2 |
| 59.00 | | — | — | 98571 | 111428 | 120001 | 128572 | 137144 | 145714 | 2 |
| 59.50 | | — | — | 98571 | 111428 | 120001 | 128572 | 137144 | 145714 | 2 |
| 59.53 | 2.11/32 | — | — | 98571 | 111428 | 120001 | 128572 | 137144 | 145714 | 2 |
| 60.00 | | — | — | 98571 | 111428 | 120001 | 128572 | 137144 | 145714 | 2 |
| 60.32 | 2.3/8 | — | — | 98571 | 111428 | 120001 | 128572 | 137144 | 145714 | 2 |
| 60.50 | | — | — | 107509 | 116621 | 125730 | 134842 | 143953 | 153062 | 2 |
| 61.00 | | — | — | 107509 | 116621 | 125730 | 134842 | 143953 | 153062 | 2 |
| 61.12 | 2.13/32 | — | — | 107509 | 116621 | 125730 | 134842 | 143953 | 153062 | 2 |
| 61.50 | | — | — | 107509 | 116621 | 125730 | 134842 | 143953 | 153062 | 2 |
| 61.91 | 2.7/16 | — | — | 107509 | 116621 | 125730 | 134842 | 143953 | 153062 | 2 |
| 62.00 | | — | — | 107509 | 116621 | 125730 | 134842 | 143953 | 153062 | 2 |
| 62.50 | | — | — | 107509 | 116621 | 125730 | 134842 | 143953 | 153062 | 2 |
| 62.71 | 2.15/32 | — | — | 109320 | 118582 | 127848 | 137111 | 146378 | 155641 | 2 |
| 63.00 | | — | — | 109320 | 118582 | 127848 | 137111 | 146378 | 155641 | 2 |
| 63.5 | 2.1/2 | — | — | 109320 | 118582 | 127848 | 137111 | 146378 | 155641 | 2 |
| 64.00 | | — | — | 118775 | 126968 | 137207 | 145396 | 155635 | 163828 | 2 |
| 64.29 | 2.17/32 | — | — | 118775 | 126968 | 137207 | 145396 | 155635 | 163828 | 2 |
| 64.50 | | — | — | 118775 | 126968 | 137207 | 145396 | 155635 | 163828 | 2 |
| 65.00 | | — | — | 118775 | 126968 | 137207 | 145396 | 155635 | 163828 | 2 |
| 65.09 | 2.9/16 | — | — | 118775 | 126968 | 137207 | 145396 | 155635 | 163828 | 2 |
| 65.50 | | — | — | 119658 | 127912 | 138228 | 146480 | 156795 | 165047 | 2 |
| 65.88 | 2.19/32 | — | — | 119658 | 127912 | 138228 | 146480 | 156795 | 165047 | 2 |
| 66.00 | | — | — | 119658 | 127912 | 138228 | 146480 | 156795 | 165047 | 2 |
| 66.50 | | — | — | 119658 | 127912 | 138228 | 146480 | 156795 | 165047 | 2 |
| 66.67 | 2.5/8 | — | — | 119658 | 127912 | 138228 | 146480 | 156795 | 165047 | 2 |
| 67.00 | | — | — | 122576 | 131030 | 141598 | 150052 | 160619 | 169072 | 2 |
| 67.47 | 2.21/32 | — | — | 140655 | 149729 | 158803 | 170146 | 181489 | 192942 | 2 |



**M2 HSS TAPER SHANK TWIST DRILLS
EXTRA LONG**

**FL and OAL as per Addison Standard
All other specifications as per IS 7822 - 2005**

| Size | | M2 Price Per Piece (Rs.) | | | | | | | | MOQ (No.) |
|-------|---------|------------------------------|--------|--------|--------|--------|--------|--------|--------|--------------|
| | | Overall Length in millimetre | | | | | | | | |
| mm | inch | 600 | 625 | 650 | 675 | 700 | 725 | 750 | 775 | |
| 50.50 | | 107579 | 113556 | 119533 | 125511 | 131487 | 137464 | 143441 | 149418 | 2 |
| 50.80 | 2 | 107579 | 113556 | 119533 | 125511 | 131487 | 137464 | 143441 | 149418 | 2 |
| 51.00 | | 110898 | 116309 | 121719 | 127127 | 132539 | 137948 | 148767 | 154177 | 2 |
| 51.50 | | 110898 | 116309 | 121719 | 127127 | 132539 | 137948 | 148767 | 154177 | 2 |
| 51.59 | 2.1/32 | 110898 | 116309 | 121719 | 127127 | 132539 | 137948 | 148767 | 154177 | 2 |
| 52.00 | | 110898 | 116309 | 121719 | 127127 | 132539 | 137948 | 148767 | 154177 | 2 |
| 52.39 | 2.1/16 | 110898 | 116309 | 121719 | 127127 | 132539 | 137948 | 148767 | 154177 | 2 |
| 52.50 | | 126732 | 133772 | 140813 | 147854 | 154893 | 161935 | 168975 | 176017 | 2 |
| 53.00 | | 126732 | 133772 | 140813 | 147854 | 154893 | 161935 | 168975 | 176017 | 2 |
| 53.18 | 2.3/32 | 126732 | 133772 | 140813 | 147854 | 154893 | 161935 | 168975 | 176017 | 2 |
| 53.50 | | 126732 | 133772 | 140813 | 147854 | 154893 | 161935 | 168975 | 176017 | 2 |
| 53.97 | 2.1/8 | 126732 | 133772 | 140813 | 147854 | 154893 | 161935 | 168975 | 176017 | 2 |
| 54.00 | | 126732 | 133772 | 140813 | 147854 | 154893 | 161935 | 168975 | 176017 | 2 |
| 54.50 | | 133130 | 140527 | 147922 | 155318 | 162713 | 170109 | 177507 | 184903 | 2 |
| 54.77 | 2.5/32 | 133130 | 140527 | 147922 | 155318 | 162713 | 170109 | 177507 | 184903 | 2 |
| 55.00 | | 133130 | 140527 | 147922 | 155318 | 162713 | 170109 | 177507 | 184903 | 2 |
| 55.50 | | 133130 | 140527 | 147922 | 155318 | 162713 | 170109 | 177507 | 184903 | 2 |
| 55.56 | 2.3/16 | 133130 | 140527 | 147922 | 155318 | 162713 | 170109 | 177507 | 184903 | 2 |
| 56.00 | | 138726 | 146432 | 154140 | 161847 | 169552 | 177260 | 184967 | 192676 | 2 |
| 56.36 | 2.7/32 | 138726 | 146432 | 154140 | 161847 | 169552 | 177260 | 184967 | 192676 | 2 |
| 56.50 | | 138726 | 146432 | 154140 | 161847 | 169552 | 177260 | 184967 | 192676 | 2 |
| 57.00 | | 138726 | 146432 | 154140 | 161847 | 169552 | 177260 | 184967 | 192676 | 2 |
| 57.15 | 2.1/4 | 138726 | 146432 | 154140 | 161847 | 169552 | 177260 | 184967 | 192676 | 2 |
| 57.50 | | 151396 | 159806 | 168216 | 176628 | 185038 | 193448 | 201859 | 210272 | 2 |
| 57.94 | 2.9/32 | 151396 | 159806 | 168216 | 176628 | 185038 | 193448 | 201859 | 210272 | 2 |
| 58.00 | | 151396 | 159806 | 168216 | 176628 | 185038 | 193448 | 201859 | 210272 | 2 |
| 58.50 | | 151396 | 159806 | 168216 | 176628 | 185038 | 193448 | 201859 | 210272 | 2 |
| 58.74 | 2.5/16 | 151396 | 159806 | 168216 | 176628 | 185038 | 193448 | 201859 | 210272 | 2 |
| 59.00 | | 154286 | 162857 | 171430 | 180001 | 188572 | 197144 | 205714 | 214287 | 2 |
| 59.50 | | 154286 | 162857 | 171430 | 180001 | 188572 | 197144 | 205714 | 214287 | 2 |
| 59.53 | 2.11/32 | 154286 | 162857 | 171430 | 180001 | 188572 | 197144 | 205714 | 214287 | 2 |
| 60.00 | | 154286 | 162857 | 171430 | 180001 | 188572 | 197144 | 205714 | 214287 | 2 |
| 60.32 | 2.3/8 | 154286 | 162857 | 171430 | 180001 | 188572 | 197144 | 205714 | 214287 | 2 |
| 60.50 | | 162173 | 171287 | 180396 | 189507 | 198619 | 207730 | 216839 | 225951 | 2 |
| 61.00 | | 162173 | 171287 | 180396 | 189507 | 198619 | 207730 | 216839 | 225951 | 2 |
| 61.12 | 2.13/32 | 162173 | 171287 | 180396 | 189507 | 198619 | 207730 | 216839 | 225951 | 2 |
| 61.50 | | 162173 | 171287 | 180396 | 189507 | 198619 | 207730 | 216839 | 225951 | 2 |
| 61.91 | 2.7/16 | 162173 | 171287 | 180396 | 189507 | 198619 | 207730 | 216839 | 225951 | 2 |
| 62.00 | | 162173 | 171287 | 180396 | 189507 | 198619 | 207730 | 216839 | 225951 | 2 |
| 62.50 | | 162173 | 171287 | 180396 | 189507 | 198619 | 207730 | 216839 | 225951 | 2 |
| 62.71 | 2.15/32 | 164904 | 174169 | 183434 | 192697 | 201962 | 211227 | 220492 | 229754 | 2 |
| 63.00 | | 164904 | 174169 | 183434 | 192697 | 201962 | 211227 | 220492 | 229754 | 2 |
| 63.5 | 2.1/2 | 164904 | 174169 | 183434 | 192697 | 201962 | 211227 | 220492 | 229754 | 2 |
| 64.00 | | 172019 | 180209 | 188402 | 196592 | 204785 | 212975 | 221166 | 230411 | 2 |
| 64.29 | 2.17/32 | 172019 | 180209 | 188402 | 196592 | 204785 | 212975 | 221166 | 230411 | 2 |
| 64.50 | | 172019 | 180209 | 188402 | 196592 | 204785 | 212975 | 221166 | 230411 | 2 |
| 65.00 | | 172019 | 180209 | 188402 | 196592 | 204785 | 212975 | 221166 | 230411 | 2 |
| 65.09 | 2.9/16 | 172019 | 180209 | 188402 | 196592 | 204785 | 212975 | 221166 | 230411 | 2 |
| 65.50 | | 173301 | 181553 | 189805 | 198056 | 206310 | 214562 | 222814 | 231066 | 2 |
| 65.88 | 2.19/32 | 173301 | 181553 | 189805 | 198056 | 206310 | 214562 | 222814 | 231066 | 2 |
| 66.00 | | 173301 | 181553 | 189805 | 198056 | 206310 | 214562 | 222814 | 231066 | 2 |
| 66.50 | | 173301 | 181553 | 189805 | 198056 | 206310 | 214562 | 222814 | 231066 | 2 |
| 66.67 | 2.5/8 | 173301 | 181553 | 189805 | 198056 | 206310 | 214562 | 222814 | 231066 | 2 |
| 67.00 | | 177526 | 185980 | 194432 | 202886 | 211341 | 219794 | 228248 | 236700 | 2 |
| 67.47 | 2.21/32 | 192832 | 204175 | 215519 | 226862 | 238206 | 249547 | 260891 | 272234 | 2 |



**M2 HSS TAPER SHANK TWIST DRILLS
EXTRA LONG**

**FL and OAL as per Addison Standard
All other specifications as per IS 7822 - 2005**

| Size | | M2 Price Per Piece (Rs.) | | | | | | | | | MOQ (No.) |
|-------|---------|------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|
| | | Overall Length in millimetre | | | | | | | | | |
| mm | inch | 800 | 825 | 850 | 875 | 900 | 925 | 950 | 975 | 1000 | |
| 50.50 | | 155393 | 161370 | 167348 | 173324 | 179300 | 185277 | 191254 | 197229 | 203206 | 2 |
| 50.8 | 2 | 155393 | 161370 | 167348 | 173324 | 179300 | 185277 | 191254 | 197229 | 203206 | 2 |
| 51.00 | | 159586 | 164996 | 170406 | 175817 | 181225 | 186634 | 192046 | 197455 | 205570 | 2 |
| 51.50 | | 159586 | 164996 | 170406 | 175817 | 181225 | 186634 | 192046 | 197455 | 205570 | 2 |
| 51.59 | 2.1/32 | 159586 | 164996 | 170406 | 175817 | 181225 | 186634 | 192046 | 197455 | 205570 | 2 |
| 52.00 | | 159586 | 164996 | 170406 | 175817 | 181225 | 186634 | 192046 | 197455 | 205570 | 2 |
| 52.39 | 2.1/16 | 159586 | 164996 | 170406 | 175817 | 181225 | 186634 | 192046 | 197455 | 205570 | 2 |
| 52.50 | | 183056 | 190097 | 197138 | 204178 | 211219 | 218261 | 225300 | 232342 | 239381 | 2 |
| 53.00 | | 183056 | 190097 | 197138 | 204178 | 211219 | 218261 | 225300 | 232342 | 239381 | 2 |
| 53.18 | 2.3/32 | 183056 | 190097 | 197138 | 204178 | 211219 | 218261 | 225300 | 232342 | 239381 | 2 |
| 53.50 | | 183056 | 190097 | 197138 | 204178 | 211219 | 218261 | 225300 | 232342 | 239381 | 2 |
| 53.97 | 2.1/8 | 183056 | 190097 | 197138 | 204178 | 211219 | 218261 | 225300 | 232342 | 239381 | 2 |
| 54.00 | | 183056 | 190097 | 197138 | 204178 | 211219 | 218261 | 225300 | 232342 | 239381 | 2 |
| 54.50 | | 192298 | 199694 | 207092 | 214487 | 221885 | 229279 | 236674 | 244071 | 251467 | 2 |
| 54.77 | 2.5/32 | 192298 | 199694 | 207092 | 214487 | 221885 | 229279 | 236674 | 244071 | 251467 | 2 |
| 55.00 | | 192298 | 199694 | 207092 | 214487 | 221885 | 229279 | 236674 | 244071 | 251467 | 2 |
| 55.50 | | 192298 | 199694 | 207092 | 214487 | 221885 | 229279 | 236674 | 244071 | 251467 | 2 |
| 55.56 | 2.3/16 | 192298 | 199694 | 207092 | 214487 | 221885 | 229279 | 236674 | 244071 | 251467 | 2 |
| 56.00 | | 200381 | 208090 | 215797 | 223502 | 231211 | 238918 | 246622 | 254329 | 262037 | 2 |
| 56.36 | 2.7/32 | 200381 | 208090 | 215797 | 223502 | 231211 | 238918 | 246622 | 254329 | 262037 | 2 |
| 56.50 | | 200381 | 208090 | 215797 | 223502 | 231211 | 238918 | 246622 | 254329 | 262037 | 2 |
| 57.00 | | 200381 | 208090 | 215797 | 223502 | 231211 | 238918 | 246622 | 254329 | 262037 | 2 |
| 57.15 | 2.1/4 | 200381 | 208090 | 215797 | 223502 | 231211 | 238918 | 246622 | 254329 | 262037 | 2 |
| 57.50 | | 218682 | 227093 | 235504 | 243915 | 252326 | 260736 | 269146 | 277556 | 285968 | 2 |
| 57.94 | 2.9/32 | 218682 | 227093 | 235504 | 243915 | 252326 | 260736 | 269146 | 277556 | 285968 | 2 |
| 58.00 | | 218682 | 227093 | 235504 | 243915 | 252326 | 260736 | 269146 | 277556 | 285968 | 2 |
| 58.50 | | 218682 | 227093 | 235504 | 243915 | 252326 | 260736 | 269146 | 277556 | 285968 | 2 |
| 58.74 | 2.5/16 | 218682 | 227093 | 235504 | 243915 | 252326 | 260736 | 269146 | 277556 | 285968 | 2 |
| 59.00 | | 222859 | 231429 | 240001 | 248572 | 257142 | 265716 | 274285 | 282858 | 291429 | 2 |
| 59.50 | | 222859 | 231429 | 240001 | 248572 | 257142 | 265716 | 274285 | 282858 | 291429 | 2 |
| 59.53 | 2.11/32 | 222859 | 231429 | 240001 | 248572 | 257142 | 265716 | 274285 | 282858 | 291429 | 2 |
| 60.00 | | 222859 | 231429 | 240001 | 248572 | 257142 | 265716 | 274285 | 282858 | 291429 | 2 |
| 60.32 | 2.3/8 | 222859 | 231429 | 240001 | 248572 | 257142 | 265716 | 274285 | 282858 | 291429 | 2 |
| 60.50 | | 235063 | 244173 | 253284 | 262394 | 271505 | 280617 | 289728 | 298839 | 307950 | 2 |
| 61.00 | | 235063 | 244173 | 253284 | 262394 | 271505 | 280617 | 289728 | 298839 | 307950 | 2 |
| 61.12 | 2.13/32 | 235063 | 244173 | 253284 | 262394 | 271505 | 280617 | 289728 | 298839 | 307950 | 2 |
| 61.50 | | 235063 | 244173 | 253284 | 262394 | 271505 | 280617 | 289728 | 298839 | 307950 | 2 |
| 61.91 | 2.7/16 | 235063 | 244173 | 253284 | 262394 | 271505 | 280617 | 289728 | 298839 | 307950 | 2 |
| 62.00 | | 235063 | 244173 | 253284 | 262394 | 271505 | 280617 | 289728 | 298839 | 307950 | 2 |
| 62.50 | | 235063 | 244173 | 253284 | 262394 | 271505 | 280617 | 289728 | 298839 | 307950 | 2 |
| 62.71 | 2.15/32 | 239020 | 248283 | 257547 | 266813 | 276076 | 285341 | 294607 | 303869 | 313134 | 2 |
| 63.00 | | 239020 | 248283 | 257547 | 266813 | 276076 | 285341 | 294607 | 303869 | 313134 | 2 |
| 63.5 | 2.1/2 | 239020 | 248283 | 257547 | 266813 | 276076 | 285341 | 294607 | 303869 | 313134 | 2 |
| 64.00 | | 239168 | 250860 | 262125 | 270315 | 278508 | 286698 | 294889 | 304604 | 317416 | 2 |
| 64.29 | 2.17/32 | 239168 | 250860 | 262125 | 270315 | 278508 | 286698 | 294889 | 304604 | 317416 | 2 |
| 64.50 | | 239168 | 250860 | 262125 | 270315 | 278508 | 286698 | 294889 | 304604 | 317416 | 2 |
| 65.00 | | 239168 | 250860 | 262125 | 270315 | 278508 | 286698 | 294889 | 304604 | 317416 | 2 |
| 65.09 | 2.9/16 | 239168 | 250860 | 262125 | 270315 | 278508 | 286698 | 294889 | 304604 | 317416 | 2 |
| 65.50 | | 239317 | 252728 | 264078 | 272328 | 280581 | 288834 | 297086 | 305337 | 319781 | 2 |
| 65.88 | 2.19/32 | 239317 | 252728 | 264078 | 272328 | 280581 | 288834 | 297086 | 305337 | 319781 | 2 |
| 66.00 | | 239317 | 252728 | 264078 | 272328 | 280581 | 288834 | 297086 | 305337 | 319781 | 2 |
| 66.50 | | 239317 | 252728 | 264078 | 272328 | 280581 | 288834 | 297086 | 305337 | 319781 | 2 |
| 66.67 | 2.5/8 | 239317 | 252728 | 264078 | 272328 | 280581 | 288834 | 297086 | 305337 | 319781 | 2 |
| 67.00 | | 245155 | 253608 | 270516 | 278970 | 287422 | 295877 | 304330 | 312784 | 327578 | 2 |
| 67.47 | 2.21/32 | 283577 | 294919 | 306262 | 317607 | 328947 | 340292 | 351636 | 362978 | 374323 | 2 |



**M2 HSS TAPER SHANK TWIST DRILLS
EXTRA LONG**

**FL and OAL as per Addison Standard
All other specifications as per IS 7822 - 2005**

| Size | | M2 Price Per Piece (Rs.) | | | | | MOQ (No.) |
|-------|---------|------------------------------|--------|--------|--------|--------|--------------|
| | | Overall Length in millimetre | | | | | |
| mm | inch | 475 | 500 | 525 | 550 | 575 | |
| 67.50 | | 140655 | 149729 | 158803 | 170146 | 181489 | 2 |
| 68.00 | | 140655 | 149729 | 158803 | 170146 | 181489 | 2 |
| 68.26 | 2.11/16 | 140655 | 149729 | 158803 | 170146 | 181489 | 2 |
| 68.50 | | 148459 | 158195 | 167928 | 177663 | 187399 | 2 |
| 69.00 | | 149999 | 159836 | 169671 | 179508 | 189343 | 2 |
| 69.05 | 2.23/32 | 149999 | 159836 | 169671 | 179508 | 189343 | 2 |
| 69.50 | | 149999 | 159836 | 169671 | 179508 | 189343 | 2 |
| 69.85 | 2.3/4 | 149999 | 159836 | 169671 | 179508 | 189343 | 2 |
| 70.00 | | 149999 | 159836 | 169671 | 179508 | 189343 | 2 |
| 70.50 | | 157411 | 167905 | 178400 | 188892 | 199387 | 2 |
| 70.64 | 2.25/32 | 159123 | 169733 | 180342 | 190948 | 201557 | 2 |
| 71.00 | | 159123 | 169733 | 180342 | 190948 | 201557 | 2 |
| 71.44 | 2.13/16 | 159123 | 169733 | 180342 | 190948 | 201557 | 2 |
| 71.50 | | 159123 | 169733 | 180342 | 190948 | 201557 | 2 |
| 72.00 | | 162199 | 173011 | 183824 | 194638 | 205453 | 2 |
| 72.23 | 2.27/32 | 162199 | 173011 | 183824 | 194638 | 205453 | 2 |
| 72.50 | | 162199 | 173011 | 183824 | 194638 | 205453 | 2 |
| 73.00 | | 162199 | 173011 | 183824 | 194638 | 205453 | 2 |
| 73.02 | 2.7/8 | 162199 | 173011 | 183824 | 194638 | 205453 | 2 |
| 73.50 | | 167969 | 179355 | 190743 | 202133 | 213519 | 2 |
| 73.82 | 2.29/32 | 169747 | 181252 | 192762 | 204269 | 215779 | 2 |
| 74.00 | | 169747 | 181252 | 192762 | 204269 | 215779 | 2 |
| 74.50 | | 169747 | 181252 | 192762 | 204269 | 215779 | 2 |
| 74.61 | 2.15/16 | 169747 | 181252 | 192762 | 204269 | 215779 | 2 |
| 75.00 | | 171858 | 183509 | 195160 | 206812 | 218463 | 2 |
| 75.41 | 2.31/32 | 171858 | 183509 | 195160 | 206812 | 218463 | 2 |
| 75.50 | | 171858 | 183509 | 195160 | 206812 | 218463 | 2 |
| 76.00 | | 171858 | 183509 | 195160 | 206812 | 218463 | 2 |
| 76.20 | 3 | 171858 | 183509 | 195160 | 206812 | 218463 | 2 |
| 76.99 | 3.1/32 | — | — | — | 215184 | 231124 | 2 |
| 77.00 | | — | — | — | 215184 | 231124 | 2 |
| 77.79 | 3.1/16 | — | — | — | 215184 | 231124 | 2 |
| 78.00 | | — | — | — | 215184 | 231124 | 2 |
| 78.58 | 3.3/32 | — | — | — | 219475 | 235732 | 2 |
| 79.00 | | — | — | — | 219475 | 235732 | 2 |
| 79.37 | 3.1/8 | — | — | — | 225303 | 241991 | 2 |
| 80.00 | | — | — | — | 225303 | 241991 | 2 |
| 80.17 | 3.5/32 | — | — | — | 240981 | 258830 | 2 |
| 80.96 | 3.3/16 | — | — | — | 240981 | 258830 | 2 |
| 81.00 | | — | — | — | 240981 | 258830 | 2 |
| 81.76 | 3.7/32 | — | — | — | 247243 | 265559 | 2 |
| 82.00 | | — | — | — | 247243 | 265559 | 2 |
| 82.55 | 3.1/4 | — | — | — | 247243 | 265559 | 2 |
| 83.00 | | — | — | — | 252352 | 271043 | 2 |
| 83.34 | 3.9/32 | — | — | — | 252352 | 271043 | 2 |
| 84.00 | | — | — | — | 252352 | 271043 | 2 |
| 84.14 | 3.5/16 | — | — | — | 256548 | 275551 | 2 |
| 84.93 | 3.11/32 | — | — | — | 256548 | 275551 | 2 |
| 85.00 | | — | — | — | 256548 | 275551 | 2 |
| 85.72 | 3.3/8 | — | — | — | 292629 | 314306 | 2 |
| 86.00 | | — | — | — | 292629 | 314306 | 2 |
| 86.52 | 3.13/32 | — | — | — | 292629 | 314306 | 2 |
| 87.00 | | — | — | — | 292629 | 314306 | 2 |



**M2 HSS TAPER SHANK TWIST DRILLS
EXTRA LONG**

**FL and OAL as per Addison Standard
All other specifications as per IS 7822 - 2005**

| Size | | M2 Price Per Piece (Rs.) | | | | | | | | MOQ (No.) |
|-------|---------|------------------------------|--------|--------|--------|--------|--------|--------|--------|-----------|
| | | Overall Length in millimetre | | | | | | | | |
| mm | inch | 600 | 625 | 650 | 675 | 700 | 725 | 750 | 775 | |
| 67.50 | | 192832 | 204175 | 215518 | 226862 | 238206 | 249547 | 260891 | 272235 | 2 |
| 68.00 | | 192832 | 204175 | 215518 | 226862 | 238206 | 249547 | 260891 | 272235 | 2 |
| 68.26 | 2.11/16 | 192832 | 204175 | 215518 | 226862 | 238206 | 249547 | 260891 | 272235 | 2 |
| 68.50 | | 197133 | 206870 | 216602 | 227776 | 238362 | 255543 | 265278 | 275013 | 2 |
| 69.00 | | 199180 | 209017 | 218852 | 228687 | 238523 | 258196 | 268030 | 277867 | 2 |
| 69.05 | 2.23/32 | 199180 | 209017 | 218852 | 228687 | 238523 | 258196 | 268030 | 277867 | 2 |
| 69.50 | | 199180 | 209017 | 218852 | 228687 | 238523 | 258196 | 268030 | 277867 | 2 |
| 69.85 | 2.3/4 | 199180 | 209017 | 218852 | 228687 | 238523 | 258196 | 268030 | 277867 | 2 |
| 70.00 | | 199180 | 209017 | 218852 | 228687 | 238523 | 258196 | 268030 | 277867 | 2 |
| 70.50 | | 209882 | 220376 | 230869 | 241365 | 251858 | 262353 | 272846 | 283339 | 2 |
| 70.64 | 2.25/32 | 212163 | 222775 | 233383 | 243989 | 254597 | 265206 | 275814 | 286421 | 2 |
| 71.00 | | 212163 | 222775 | 233383 | 243989 | 254597 | 265206 | 275814 | 286421 | 2 |
| 71.44 | 2.13/16 | 212163 | 222775 | 233383 | 243989 | 254597 | 265206 | 275814 | 286421 | 2 |
| 71.50 | | 212163 | 222775 | 233383 | 243989 | 254597 | 265206 | 275814 | 286421 | 2 |
| 72.00 | | 216266 | 227080 | 237892 | 248705 | 259519 | 270332 | 281145 | 291960 | 2 |
| 72.23 | 2.27/32 | 216266 | 227080 | 237892 | 248705 | 259519 | 270332 | 281145 | 291960 | 2 |
| 72.50 | | 216266 | 227080 | 237892 | 248705 | 259519 | 270332 | 281145 | 291960 | 2 |
| 73.00 | | 216266 | 227080 | 237892 | 248705 | 259519 | 270332 | 281145 | 291960 | 2 |
| 73.02 | 2.7/8 | 216266 | 227080 | 237892 | 248705 | 259519 | 270332 | 281145 | 291960 | 2 |
| 73.50 | | 224908 | 236294 | 247684 | 259069 | 270457 | 281847 | 293233 | 304622 | 2 |
| 73.82 | 2.29/32 | 227286 | 238794 | 250302 | 261809 | 273319 | 284827 | 296336 | 307843 | 2 |
| 74.00 | | 227286 | 238794 | 250302 | 261809 | 273319 | 284827 | 296336 | 307843 | 2 |
| 74.50 | | 227286 | 238794 | 250302 | 261809 | 273319 | 284827 | 296336 | 307843 | 2 |
| 74.61 | 2.15/16 | 227286 | 238794 | 250302 | 261809 | 273319 | 284827 | 296336 | 307843 | 2 |
| 75.00 | | 230115 | 241766 | 253419 | 265070 | 276721 | 288372 | 300022 | 311673 | 2 |
| 75.41 | 2.31/32 | 230115 | 241766 | 253419 | 265070 | 276721 | 288372 | 300022 | 311673 | 2 |
| 75.50 | | 230115 | 241766 | 253419 | 265070 | 276721 | 288372 | 300022 | 311673 | 2 |
| 76.00 | | 230115 | 241766 | 253419 | 265070 | 276721 | 288372 | 300022 | 311673 | 2 |
| 76.2 | 3 | 230115 | 241766 | 253419 | 265070 | 276721 | 288372 | 300022 | 311673 | 2 |
| 76.99 | 3.1/32 | 247064 | 263003 | 278942 | 294881 | 310821 | 326762 | 342701 | 358640 | 2 |
| 77.00 | | 247064 | 263003 | 278942 | 294881 | 310821 | 326762 | 342701 | 358640 | 2 |
| 77.79 | 3.1/16 | 247064 | 263003 | 278942 | 294881 | 310821 | 326762 | 342701 | 358640 | 2 |
| 78.00 | | 247064 | 263003 | 278942 | 294881 | 310821 | 326762 | 342701 | 358640 | 2 |
| 78.58 | 3.3/32 | 251989 | 268246 | 284507 | 300765 | 317021 | 333278 | 349534 | 365793 | 2 |
| 79.00 | | 251989 | 268246 | 284507 | 300765 | 317021 | 333278 | 349534 | 365793 | 2 |
| 79.37 | 3.1/8 | 258679 | 275369 | 292059 | 308747 | 325435 | 342123 | 358816 | 375503 | 2 |
| 80.00 | | 258679 | 275369 | 292059 | 308747 | 325435 | 342123 | 358816 | 375503 | 2 |
| 80.17 | 3.5/32 | 276679 | 294531 | 312380 | 330232 | 348082 | 365931 | 383781 | 401631 | 2 |
| 80.96 | 3.3/16 | 276679 | 294531 | 312380 | 330232 | 348082 | 365931 | 383781 | 401631 | 2 |
| 81.00 | | 276679 | 294531 | 312380 | 330232 | 348082 | 365931 | 383781 | 401631 | 2 |
| 81.76 | 3.7/32 | 283872 | 302188 | 320501 | 338815 | 357130 | 375446 | 393758 | 412075 | 2 |
| 82.00 | | 283872 | 302188 | 320501 | 338815 | 357130 | 375446 | 393758 | 412075 | 2 |
| 82.55 | 3.1/4 | 283872 | 302188 | 320501 | 338815 | 357130 | 375446 | 393758 | 412075 | 2 |
| 83.00 | | 289736 | 308429 | 327122 | 345814 | 364508 | 383200 | 401892 | 420585 | 2 |
| 83.34 | 3.9/32 | 289736 | 308429 | 327122 | 345814 | 364508 | 383200 | 401892 | 420585 | 2 |
| 84.00 | | 289736 | 308429 | 327122 | 345814 | 364508 | 383200 | 401892 | 420585 | 2 |
| 84.14 | 3.5/16 | 294555 | 313560 | 332561 | 351566 | 370566 | 389570 | 408575 | 427576 | 2 |
| 84.93 | 3.11/32 | 294555 | 313560 | 332561 | 351566 | 370566 | 389570 | 408575 | 427576 | 2 |
| 85.00 | | 294555 | 313560 | 332561 | 351566 | 370566 | 389570 | 408575 | 427576 | 2 |
| 85.72 | 3.3/8 | 335984 | 357659 | 379335 | 401012 | 422687 | 444363 | 466039 | 487716 | 2 |
| 86.00 | | 335984 | 357659 | 379335 | 401012 | 422687 | 444363 | 466039 | 487716 | 2 |
| 86.52 | 3.13/32 | 335984 | 357659 | 379335 | 401012 | 422687 | 444363 | 466039 | 487716 | 2 |
| 87.00 | | 335984 | 357659 | 379335 | 401012 | 422687 | 444363 | 466039 | 487716 | 2 |



**M2 HSS TAPER SHANK TWIST DRILLS
EXTRA LONG**

**FL and OAL as per Addison Standard
All other specifications as per IS 7822 - 2005**

| Size | | M2 Price Per Piece (Rs.) | | | | | | | | | MOQ (No.) |
|-------|---------|------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|
| | | Overall Length in millimetre | | | | | | | | | |
| mm | inch | 800 | 825 | 850 | 875 | 900 | 925 | 950 | 975 | 1000 | |
| 67.50 | | 283578 | 294919 | 306262 | 317607 | 328947 | 340292 | 351636 | 362978 | 374323 | 2 |
| 68.00 | | 283578 | 294919 | 306262 | 317607 | 328947 | 340292 | 351636 | 362978 | 374323 | 2 |
| 68.26 | 2.11/16 | 283578 | 294919 | 306262 | 317607 | 328947 | 340292 | 351636 | 362978 | 374323 | 2 |
| 68.50 | | 284750 | 296229 | 306819 | 318820 | 334640 | 340724 | 352894 | 365064 | 375749 | 2 |
| 69.00 | | 287704 | 297540 | 307378 | 322129 | 336633 | 344262 | 356557 | 367135 | 378185 | 2 |
| 69.05 | 2.23/32 | 287704 | 297540 | 307378 | 322129 | 336633 | 344262 | 356557 | 367135 | 378185 | 2 |
| 69.50 | | 287704 | 297540 | 307378 | 322129 | 336633 | 344262 | 356557 | 367135 | 378185 | 2 |
| 69.85 | 2.3/4 | 287704 | 297540 | 307378 | 322129 | 336633 | 344262 | 356557 | 367135 | 378185 | 2 |
| 70.00 | | 287704 | 297540 | 307378 | 322129 | 336633 | 344262 | 356557 | 367135 | 378185 | 2 |
| 70.50 | | 293835 | 304329 | 314821 | 325317 | 338790 | 346305 | 356799 | 367292 | 379005 | 2 |
| 70.64 | 2.25/32 | 297031 | 307639 | 318248 | 328855 | 339465 | 350072 | 360680 | 371289 | 381898 | 2 |
| 71.00 | | 297031 | 307639 | 318248 | 328855 | 339465 | 350072 | 360680 | 371289 | 381898 | 2 |
| 71.44 | 2.13/16 | 297031 | 307639 | 318248 | 328855 | 339465 | 350072 | 360680 | 371289 | 381898 | 2 |
| 71.50 | | 297031 | 307639 | 318248 | 328855 | 339465 | 350072 | 360680 | 371289 | 381898 | 2 |
| 72.00 | | 302773 | 313586 | 324399 | 335211 | 346024 | 356837 | 367651 | 378464 | 389277 | 2 |
| 72.23 | 2.27/32 | 302773 | 313586 | 324399 | 335211 | 346024 | 356837 | 367651 | 378464 | 389277 | 2 |
| 72.50 | | 302773 | 313586 | 324399 | 335211 | 346024 | 356837 | 367651 | 378464 | 389277 | 2 |
| 73.00 | | 302773 | 313586 | 324399 | 335211 | 346024 | 356837 | 367651 | 378464 | 389277 | 2 |
| 73.02 | 2.7/8 | 302773 | 313586 | 324399 | 335211 | 346024 | 356837 | 367651 | 378464 | 389277 | 2 |
| 73.50 | | 316008 | 327396 | 338784 | 350172 | 361559 | 372947 | 384335 | 395723 | 407109 | 2 |
| 73.82 | 2.29/32 | 319350 | 330861 | 342369 | 353876 | 365383 | 376893 | 388399 | 399909 | 411417 | 2 |
| 74.00 | | 319350 | 330861 | 342369 | 353876 | 365383 | 376893 | 388399 | 399909 | 411417 | 2 |
| 74.50 | | 319350 | 330861 | 342369 | 353876 | 365383 | 376893 | 388399 | 399909 | 411417 | 2 |
| 74.61 | 2.15/16 | 319350 | 330861 | 342369 | 353876 | 365383 | 376893 | 388399 | 399909 | 411417 | 2 |
| 75.00 | | 323324 | 334975 | 346628 | 358278 | 369930 | 381581 | 393233 | 404883 | 416537 | 2 |
| 75.41 | 2.31/32 | 323324 | 334975 | 346628 | 358278 | 369930 | 381581 | 393233 | 404883 | 416537 | 2 |
| 75.50 | | 323324 | 334975 | 346628 | 358278 | 369930 | 381581 | 393233 | 404883 | 416537 | 2 |
| 76.00 | | 323324 | 334975 | 346628 | 358278 | 369930 | 381581 | 393233 | 404883 | 416537 | 2 |
| 76.2 | 3 | 323324 | 334975 | 346628 | 358278 | 369930 | 381581 | 393233 | 404883 | 416537 | 2 |
| 76.99 | 3.1/32 | 374581 | 390519 | 406458 | 422399 | 438339 | 454277 | 470216 | — | — | 2 |
| 77.00 | | 374581 | 390519 | 406458 | 422399 | 438339 | 454277 | 470216 | — | — | 2 |
| 77.79 | 3.1/16 | 374581 | 390519 | 406458 | 422399 | 438339 | 454277 | 470216 | — | — | 2 |
| 78.00 | | 374581 | 390519 | 406458 | 422399 | 438339 | 454277 | 470216 | — | — | 2 |
| 78.58 | 3.3/32 | 382050 | 398306 | 414566 | 430822 | 447081 | 463338 | 479595 | — | — | 2 |
| 79.00 | | 382050 | 398306 | 414566 | 430822 | 447081 | 463338 | 479595 | — | — | 2 |
| 79.37 | 3.1/8 | 392191 | 408883 | 425570 | 442260 | 458950 | 475638 | 492327 | — | — | 2 |
| 80.00 | | 392191 | 408883 | 425570 | 442260 | 458950 | 475638 | 492327 | — | — | 2 |
| 80.17 | 3.5/32 | 419483 | 437332 | 455185 | 473036 | 490884 | 508735 | 526585 | — | — | 2 |
| 80.96 | 3.3/16 | 419483 | 437332 | 455185 | 473036 | 490884 | 508735 | 526585 | — | — | 2 |
| 81.00 | | 419483 | 437332 | 455185 | 473036 | 490884 | 508735 | 526585 | — | — | 2 |
| 81.76 | 3.7/32 | 430388 | 448702 | 467017 | 485333 | 503644 | 521960 | 540273 | — | — | 2 |
| 82.00 | | 430388 | 448702 | 467017 | 485333 | 503644 | 521960 | 540273 | — | — | 2 |
| 82.55 | 3.1/4 | 430388 | 448702 | 467017 | 485333 | 503644 | 521960 | 540273 | — | — | 2 |
| 83.00 | | 439278 | 457972 | 476663 | 495356 | 514048 | 532741 | 551433 | — | — | 2 |
| 83.34 | 3.9/32 | 439278 | 457972 | 476663 | 495356 | 514048 | 532741 | 551433 | — | — | 2 |
| 84.00 | | 439278 | 457972 | 476663 | 495356 | 514048 | 532741 | 551433 | — | — | 2 |
| 84.14 | 3.5/16 | 446581 | 465585 | 484588 | 503592 | 522595 | 541598 | 560602 | — | — | 2 |
| 84.93 | 3.11/32 | 446581 | 465585 | 484588 | 503592 | 522595 | 541598 | 560602 | — | — | 2 |
| 85.00 | | 446581 | 465585 | 484588 | 503592 | 522595 | 541598 | 560602 | — | — | 2 |
| 85.72 | 3.3/8 | 509393 | 531068 | 552747 | 574423 | 596098 | 617775 | 639451 | — | — | 2 |
| 86.00 | | 509393 | 531068 | 552747 | 574423 | 596098 | 617775 | 639451 | — | — | 2 |
| 86.52 | 3.13/32 | 509393 | 531068 | 552747 | 574423 | 596098 | 617775 | 639451 | — | — | 2 |
| 87.00 | | 509393 | 531068 | 552747 | 574423 | 596098 | 617775 | 639451 | — | — | 2 |

**M2 HSS TAPER SHANK TWIST DRILLS
EXTRA LONG****FL and OAL as per Addison Standard
All other specifications as per IS 7822 - 2005**

| Size | | M2 Price Per Piece (Rs.) | | | | | | | | MOQ (No.) |
|--------|---------|------------------------------|-----|-----|-----|-----|-----|--------|--------|--------------|
| mm | inch | Overall Length in millimetre | | | | | | | | |
| | | 400 | 425 | 450 | 475 | 500 | 525 | 550 | 575 | |
| 87.31 | 3.7/16 | — | — | — | — | — | — | 298749 | 320879 | 2 |
| 88.00 | | — | — | — | — | — | — | 298749 | 320879 | 2 |
| 88.11 | 3.15/32 | — | — | — | — | — | — | 298749 | 320879 | 2 |
| 88.90 | 3.1/2 | — | — | — | — | — | — | 298749 | 320879 | 2 |
| 89.00 | | — | — | — | — | — | — | 298749 | 320879 | 2 |
| 90.00 | | — | — | — | — | — | — | 304840 | 327421 | 2 |
| 90.49 | 3.9/16 | — | — | — | — | — | — | 316210 | 339632 | 2 |
| 91.00 | | — | — | — | — | — | — | 316210 | 339632 | 2 |
| 92.00 | | — | — | — | — | — | — | 316210 | 339632 | 2 |
| 92.07 | 3.5/8 | — | — | — | — | — | — | 326537 | 350722 | 2 |
| 93.00 | | — | — | — | — | — | — | 326537 | 350722 | 2 |
| 93.66 | 3.11/16 | — | — | — | — | — | — | 338887 | 363988 | 2 |
| 94.00 | | — | — | — | — | — | — | 338887 | 363988 | 2 |
| 95.00 | | — | — | — | — | — | — | 338887 | 363988 | 2 |
| 95.25 | 3.3/4 | — | — | — | — | — | — | 338887 | 363988 | 2 |
| 96.00 | | — | — | — | — | — | — | 350231 | 376174 | 2 |
| 96.84 | 3.13/16 | — | — | — | — | — | — | 350231 | 376174 | 2 |
| 97.00 | | — | — | — | — | — | — | 350231 | 376174 | 2 |
| 98.00 | | — | — | — | — | — | — | 356426 | 382827 | 2 |
| 98.42 | 3.7/8 | — | — | — | — | — | — | 361515 | 388293 | 2 |
| 99.00 | | — | — | — | — | — | — | 361515 | 388293 | 2 |
| 100.00 | | — | — | — | — | — | — | 361515 | 388293 | 2 |
| 100.01 | 3.15/16 | — | — | — | — | — | — | 367708 | 394943 | 2 |
| 101.00 | | — | — | — | — | — | — | 367708 | 394943 | 2 |
| 101.6 | 4 | — | — | — | — | — | — | 367708 | 394943 | 2 |
| 102.00 | | — | — | — | — | — | — | 367708 | 394943 | 2 |
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**M2 HSS TAPER SHANK TWIST DRILLS
EXTRA LONG**

**FL and OAL as per Addison Standard
All other specifications as per IS 7822 - 2005**

| Size | | M2 Price Per Piece (Rs.) | | | | | | | | MOQ (No.) |
|--------|---------|------------------------------|--------|--------|--------|--------|--------|--------|--------|--------------|
| | | Overall Length in millimetre | | | | | | | | |
| mm | inch | 600 | 625 | 650 | 675 | 700 | 725 | 750 | 775 | |
| 87.31 | 3.7/16 | 343008 | 365138 | 387266 | 409395 | 431526 | 453654 | 475783 | 497915 | 2 |
| 88.00 | | 343008 | 365138 | 387266 | 409395 | 431526 | 453654 | 475783 | 497915 | 2 |
| 88.11 | 3.15/32 | 343008 | 365138 | 387266 | 409395 | 431526 | 453654 | 475783 | 497915 | 2 |
| | 3.1/2 | 343008 | 365138 | 387266 | 409395 | 431526 | 453654 | 475783 | 497915 | 2 |
| 89.00 | | 343008 | 365138 | 387266 | 409395 | 431526 | 453654 | 475783 | 497915 | 2 |
| 90.00 | | 350003 | 372584 | 395163 | 417744 | 440327 | 462907 | 485486 | 508068 | 2 |
| 90.49 | 3.9/16 | 363056 | 386478 | 409904 | 433326 | 456750 | 480172 | 503596 | 527018 | 2 |
| 91.00 | | 363056 | 386478 | 409904 | 433326 | 456750 | 480172 | 503596 | 527018 | 2 |
| 92.00 | | 363056 | 386478 | 409904 | 433326 | 456750 | 480172 | 503596 | 527018 | 2 |
| 92.07 | 3.5/8 | 374911 | 399098 | 423285 | 447473 | 471662 | 495850 | 520036 | 544226 | 2 |
| 93.00 | | 374911 | 399098 | 423285 | 447473 | 471662 | 495850 | 520036 | 544226 | 2 |
| 93.66 | 3.11/16 | 389092 | 414192 | 439296 | 464399 | 489500 | 514604 | 539705 | 564810 | 2 |
| 94.00 | | 389092 | 414192 | 439296 | 464399 | 489500 | 514604 | 539705 | 564810 | 2 |
| 95.00 | | 389092 | 414192 | 439296 | 464399 | 489500 | 514604 | 539705 | 564810 | 2 |
| 95.25 | 3.3/4 | 389092 | 414192 | 439296 | 464399 | 489500 | 514604 | 539705 | 564810 | 2 |
| 96.00 | | 402119 | 428060 | 454003 | 479947 | 505890 | 531831 | 557777 | 583721 | 2 |
| 96.84 | 3.13/16 | 402119 | 428060 | 454003 | 479947 | 505890 | 531831 | 557777 | 583721 | 2 |
| 97.00 | | 402119 | 428060 | 454003 | 479947 | 505890 | 531831 | 557777 | 583721 | 2 |
| 98.00 | | 409230 | 435630 | 462033 | 488435 | 514836 | 541240 | 567640 | 594042 | 2 |
| 98.42 | 3.7/8 | 415070 | 441849 | 468629 | 495408 | 522185 | 548965 | 575743 | 602522 | 2 |
| 99.00 | | 415070 | 441849 | 468629 | 495408 | 522185 | 548965 | 575743 | 602522 | 2 |
| 100.00 | | 415070 | 441849 | 468629 | 495408 | 522185 | 548965 | 575743 | 602522 | 2 |
| 100.01 | 3.15/16 | 422182 | 449417 | 476657 | 503895 | 531130 | 558370 | 585605 | 612843 | 2 |
| 101.00 | | 422182 | 449417 | 476657 | 503895 | 531130 | 558370 | 585605 | 612843 | 2 |
| 101.6 | 4 | 422182 | 449417 | 476657 | 503895 | 531130 | 558370 | 585605 | 612843 | 2 |
| 102.00 | | 422182 | 449417 | 476657 | 503895 | 531130 | 558370 | 585605 | 612843 | 2 |
| | | | | | | | | | | |



**M2 HSS TAPER SHANK TWIST DRILLS
EXTRA LONG**

**FL and OAL as per Addison Standard
All other specifications as per IS 7822 - 2005**

| Size | | M2 Price Per Piece (Rs.) | | | | | | | MOQ (No.) |
|--------|---------|------------------------------|--------|--------|--------|--------|--------|--------|--------------|
| | | Overall Length in millimetre | | | | | | | |
| mm | inch | 800 | 825 | 850 | 875 | 900 | 925 | 950 | |
| 87.31 | 3.7/16 | 520044 | 542172 | 564302 | 586431 | 608561 | 630691 | 652819 | 2 |
| 88.00 | | 520044 | 542172 | 564302 | 586431 | 608561 | 630691 | 652819 | 2 |
| 88.11 | 3.15/32 | 520044 | 542172 | 564302 | 586431 | 608561 | 630691 | 652819 | 2 |
| 88.9 | 3.1/2 | 520044 | 542172 | 564302 | 586431 | 608561 | 630691 | 652819 | 2 |
| 89.00 | | 520045 | 542174 | 564304 | 586432 | 608565 | 630692 | 652821 | 2 |
| 90.00 | | 530648 | 553230 | 575811 | 598390 | 620972 | 643551 | 666134 | 2 |
| 90.49 | 3.9/16 | 550440 | 573864 | 597288 | 620712 | 644134 | 667557 | 690980 | 2 |
| 91.00 | | 550440 | 573864 | 597288 | 620712 | 644134 | 667557 | 690980 | 2 |
| 92.00 | | 550440 | 573864 | 597288 | 620712 | 644134 | 667557 | 690980 | 2 |
| 92.07 | 3.5/8 | 568413 | 592601 | 616789 | 640976 | 665163 | 689352 | 713540 | 2 |
| 93.00 | | 568413 | 592601 | 616789 | 640976 | 665163 | 689352 | 713540 | 2 |
| 93.66 | 3.11/16 | 589912 | 615015 | 640116 | 665218 | 690322 | 715425 | 740527 | 2 |
| 94.00 | | 589912 | 615015 | 640116 | 665218 | 690322 | 715425 | 740527 | 2 |
| 95.00 | | 589912 | 615015 | 640116 | 665218 | 690322 | 715425 | 740527 | 2 |
| 95.25 | 3.3/4 | 589912 | 615015 | 640116 | 665218 | 690322 | 715425 | 740527 | 2 |
| 96.00 | | 609661 | 635604 | 661549 | 687491 | 713434 | 739378 | 765320 | 2 |
| 96.84 | 3.13/16 | 609661 | 635604 | 661549 | 687491 | 713434 | 739378 | 765320 | 2 |
| 97.00 | | 609661 | 635604 | 661549 | 687491 | 713434 | 739378 | 765320 | 2 |
| 98.00 | | 620445 | 646845 | 673249 | 699652 | 726052 | 752453 | 778855 | 2 |
| 98.42 | 3.7/8 | 629301 | 656079 | 682858 | 709638 | 736416 | 763194 | 789974 | 2 |
| 99.00 | | 629301 | 656079 | 682858 | 709638 | 736416 | 763194 | 789974 | 2 |
| 100.00 | | 629301 | 656079 | 682858 | 709638 | 736416 | 763194 | 789974 | 2 |
| 100.01 | 3.15/16 | 640080 | 667319 | 694556 | 721793 | 749031 | 776269 | 803505 | 2 |
| 101.00 | | 640080 | 667319 | 694556 | 721793 | 749031 | 776269 | 803505 | 2 |
| 101.6 | 4 | 640080 | 667319 | 694556 | 721793 | 749031 | 776269 | 803505 | 2 |
| 102.00 | | 640080 | 667319 | 694556 | 721793 | 749031 | 776269 | 803505 | 2 |

HSS SHELL DRILLS

BS: 122 (PART 2) 1964

(TAPER HOLE 1 IN 96) RH Cutting with RH Helical Flutes

| Dia Inch | M2 Price Per Piece (Rs.) | MOQ (No.) | Dia Inch | M2 Price Per Piece (Rs.) | MOQ (No.) | Dia Inch | M2 Price Per Piece (Rs.) | MOQ (No.) |
|----------|--------------------------|-----------|----------|--------------------------|-----------|----------|--------------------------|-----------|
| 1 | 4673 | 5 | 1.11/16 | 8697 | 5 | 2.3/4 | 21714 | 3 |
| 1.1/16 | 4932 | 5 | 1.3/4 | 8895 | 5 | 2.7/8 | 24129 | 3 |
| 1.1/8 | 5227 | 5 | 1.13/16 | 9244 | 5 | 3 | 26503 | 3 |
| 1.3/16 | 5546 | 5 | 1.7/8 | 9526 | 5 | 3.1/8 | 29716 | 3 |
| 1.1/4 | 5793 | 5 | 1.15/16 | 9984 | 5 | 3.1/4 | 32283 | 3 |
| 1.5/16 | 6073 | 5 | 2 | 10323 | 5 | 3.3/8 | 34721 | 3 |
| 1.3/8 | 6418 | 5 | 2.1/8 | 11410 | 5 | 3.1/2 | 51941 | 3 |
| 1.7/16 | 6701 | 5 | 2.1/4 | 12488 | 5 | 3.5/8 | 44045 | 3 |
| 1.1/2 | 6943 | 5 | 2.3/8 | 13973 | 5 | 3.3/4 | 46076 | 3 |
| 1.9/16 | 7341 | 5 | 2.1/2 | 16991 | 5 | 3.7/8 | 53336 | 3 |
| 1.5/8 | 7662 | 5 | 2.5/8 | 19741 | 3 | 4 | 58941 | 3 |



HSS CENTRE DRILLS

TYPE - A IS 6708-1977

| Pilot Dia mm | Body Dia mm | M2 | | M35 | | |
|--------------|-------------|-----------------------|-----------|-----------------------|-----------------------|-----------|
| | | Price Per Piece (Rs.) | MOQ (No.) | Price Per Piece (Rs.) | Price Per Piece (Rs.) | MOQ (No.) |
| | | Without TIN-Coated | | Without TIN-Coated | TIN-Coated | |
| 1 | 3.15 | 296 ** | 50 | 345 | 430 | 300 |
| 1.25 | 3.15 | 296 ** | 50 | 345 | 430 | 300 |
| 1.6 | 4 | 296 * | 50 | 345 | 436 | 300 |
| 2 | 5 | 296 * | 50 | 345 | 447 | 300 |
| 2.5 | 6.3 | 342 * | 50 | 396 | 524 | 300 |
| 3.15 | 8 | 530 * | 50 | 615 | 786 | 300 |
| 4 | 10 | 650 * | 50 | 754 | 916 | 300 |
| 5 | 12.5 | 1102 * | 50 | 1275 | 1556 | 300 |
| 6.3 | 16 | 1301 * | 50 | 1511 | 1846 | 300 |
| 8 | 20 | 2009 * | 50 | 2370 | 2753 | 300 |
| 10 | 25 | 2587 ** | 50 | 3211 | 4050 | 300 |

TYPE - B IS 6709-1977

| | | | | | | |
|------|------|--------|----|------|------|-----|
| 1.6 | 6.3 | 605 ** | 50 | 703 | 828 | 300 |
| 2 | 8 | 855 * | 50 | 995 | 1165 | 300 |
| 2.5 | 10 | 1092 * | 50 | 1268 | 1500 | 300 |
| 3.15 | 11.2 | 1452 * | 50 | 1687 | 1967 | 300 |
| 4 | 14 | 1804 * | 50 | 2147 | 2451 | 200 |
| 5 | 18 | 2783 * | 50 | 3367 | 3748 | 200 |
| 6.3 | 20 | 3278 * | 50 | 3803 | 4184 | 200 |
| 8 | 25 | 4239 * | 50 | 5131 | 5973 | 200 |

TYPE - R IS 6710-1977

| | | | | | | |
|------|------|--------|----|------|------|-----|
| 1 | 3.15 | 296 | 50 | 345 | 430 | 300 |
| 1.25 | 3.15 | 296 | 50 | 345 | 430 | 300 |
| 1.6 | 4 | 296 | 50 | 345 | 436 | 300 |
| 2 | 5 | 296 ** | 50 | 345 | 447 | 300 |
| 2.5 | 6.3 | 342 ** | 50 | 396 | 524 | 300 |
| 3.15 | 8 | 530 ** | 50 | 615 | 786 | 300 |
| 4 | 10 | 650 ** | 50 | 755 | 989 | 300 |
| 5 | 12.5 | 1102 | 50 | 1275 | 1556 | 300 |
| 6.3 | 16 | 1301 | 50 | 1511 | 1846 | 300 |
| 8 | 20 | 2009 | 50 | 2370 | 2753 | 300 |
| 10 | 25 | 2587 | 50 | 3211 | 4050 | 300 |

BS 328 (PART 2) 1950

| "Size BS No." | Pilot Dia. Inch | "Body Dia. Inch" | M2 | MOQ | M35 Without TIN-Coated | M35 TIN-Coated | MOQ |
|---------------|-----------------|------------------|--------|-----|------------------------|----------------|-----|
| BS 1 | 3/64 | 1/8 | 296 ** | 50 | 345 | 430 | 300 |
| BS 2 | 1/16 | 3/16 | 296 * | 50 | 345 | 436 | 300 |
| BS 3 | 3/32 | 1/4 | 342 * | 50 | 396 | 524 | 300 |
| BS 4 | 1/8 | 5/16 | 530 * | 50 | 615 | 786 | 300 |
| BS 5 | 3/16 | 7/16 | 691 * | 50 | 801 | 1081 | 300 |
| BS 6 | 1/4 | 5/8 | 1301 * | 50 | 1511 | 1846 | 300 |
| BS 7 | 5/16 | 3/4 | 2009 * | 50 | 2392 | 2773 | 300 |

For more details refer our Drill Catalogue Pages 54 to 57



HSS TAPER SHANK CORE DRILLS

IS 5366 - 1978

BS 328 (PART 1) - 1959

| Size | | M2 Price Per Piece (Rs.) | MOQ (No.) | Size | | M2 Price Per Piece (Rs.) | MOQ (No.) | Size | | M2 Price Per Piece (Rs.) | MOQ (No.) |
|---------|--------|--------------------------|-----------|---------|---------|--------------------------|-----------|---------|---------|--------------------------|-----------|
| mm | inch | | | mm | inch | | | mm | inch | | |
| 7.00 | | 1802 | 35 | (26.99) | 1.1/16 | 10964 | 35 | 51.00 | | 53948 | 5 |
| (7.14) | 9/32 | 1802 | 35 | 27.00 | | 10964 | 35 | 52.00 | | 59413 | 5 |
| 7.50 | | 1924 | 35 | (27.78) | 1.3/32 | 11381 | 35 | (52.39) | 2.1/16 | 59413 | 5 |
| (7.94) | 5/16 | 1917 | 35 | 28.00 | | 12058 | 35 | 53.00 | | 69405 | 5 |
| 8.00 | | 1924 | 35 | (28.57) | 1.1/8 | 12060 | 35 | (53.97) | 2.1/8 | 69405 | 5 |
| 8.50 | | 1961 | 35 | 29.00 | | 12622 | 35 | 54.00 | | 69405 | 5 |
| (8.73) | 11/32 | 1924 | 35 | (29.37) | 1.5/32 | 12622 | 35 | 55.00 | | 72747 | 5 |
| 9.00 | | 1969 | 35 | 30.00 | | 13407 | 35 | (55.56) | 2.3/16 | 72747 | 5 |
| (9.52) | 3/8 | 2115 | 35 | (30.16) | 1.3/16 | 13407 | 35 | 56.00 | | 75829 | 5 |
| 10.00 | | 2115 | 35 | (30.96) | 1.7/32 | 13915 | 35 | 57.00 | | 75829 | 5 |
| (10.32) | 13/32 | 2115 | 35 | 31.00 | | 15645 | 35 | (57.15) | 2.1/4 | 75829 | 5 |
| 11.00 | | 2118 | 35 | (31.75) | 1.1/4 | 16333 | 35 | 58.00 | | 82866 | 5 |
| (11.11) | 7/16 | 2118 | 35 | 32.00 | | 17899 | 20 | (58.74) | 2.5/16 | 82866 | 5 |
| (11.91) | 15/32 | 2265 | 35 | (32.54) | 1.9/32 | 17899 | 20 | 59.00 | | 84399 | 5 |
| 12.00 | | 2265 | 35 | 33.00 | | 18275 | 20 | 60.00 | | 84399 | 5 |
| (12.70) | 1/2 | 2393 | 35 | (33.34) | 1.5/16 | 18275 | 20 | (60.32) | 2.3/8 | 84399 | 5 |
| 13.00 | | 3237 | 35 | 34.00 | | 20045 | 20 | 61.00 | | 89942 | 5 |
| (13.49) | 17/32 | 3544 | 35 | (34.13) | 1.11/32 | 20045 | 20 | (61.91) | 2.7/16 | 89942 | 5 |
| 14.00 | | 3544 | 35 | (34.92) | 1.3/8 | 21167 | 20 | 62.00 | | 89942 | 5 |
| (14.29) | 9/16 | 3646 | 35 | 35.00 | | 21167 | 20 | 63.00 | | 92532 | 5 |
| 15.00 | | 3803 | 35 | (35.72) | 1.13/32 | 22767 | 20 | (63.50) | 2.1/2 | 92532 | 5 |
| (15.08) | 19/32 | 3803 | 35 | 36.00 | | 22767 | 20 | 64.00 | | 101030 | 5 |
| 15.87 | 5/8 | 3892 | 35 | (36.51) | 1.7/16 | 24017 | 20 | 65.00 | | 101030 | 3 |
| 16.00 | | 3892 | 35 | 37.00 | | 24017 | 20 | (65.09) | 2.9/16 | 101030 | 3 |
| (16.67) | 21/32 | 4101 | 35 | (37.31) | 1.15/32 | 24699 | 20 | 66.00 | | 105929 | 3 |
| 17.00 | | 4101 | 35 | 38.00 | | 26428 | 20 | (66.67) | 2.5/8 | 105929 | 3 |
| (17.46) | 11/16 | 4429 | 35 | (38.10) | 1.1/2 | 26428 | 20 | 67.00 | | 110349 | 3 |
| 18.00 | | 4762 | 35 | 39.00 | | 28979 | 20 | 68.00 | | 115710 | 3 |
| (18.26) | 23/32 | 4762 | 35 | (39.69) | 1.9/16 | 28979 | 20 | (68.26) | 2.11/16 | 115710 | 3 |
| 19.00 | | 5443 | 35 | 40.00 | | 28979 | 20 | 69.00 | | 121362 | 3 |
| (19.05) | 3/4 | 5443 | 35 | 41.00 | | 31939 | 20 | (69.85) | 2.3/4 | 123637 | 3 |
| (19.84) | 25/32 | 5464 | 35 | (41.27) | 1.5/8 | 31939 | 20 | 70.00 | | 123637 | 3 |
| 20.00 | | 5464 | 35 | 42.00 | | 32885 | 20 | 71.00 | | 126082 | 3 |
| (20.64) | 13/16 | 5847 | 35 | (42.86) | 1.11/16 | 33944 | 20 | (71.44) | 2.13/16 | 126082 | 3 |
| 21.00 | | 5847 | 35 | 43.00 | | 33944 | 20 | 72.00 | | 131847 | 3 |
| (21.43) | 27/32 | 6179 | 35 | 44.00 | | 35878 | 20 | 73.00 | | 136734 | 3 |
| 22.00 | | 6179 ** | 35 | (44.45) | 1.3/4 | 35878 | 20 | (73.02) | 2.7/8 | 136734 | 3 |
| (22.22) | 7/8 | 6556 | 35 | 45.00 | | 37147 | 20 | 74.00 | | 141906 | 3 |
| 23.00 | | 6943 | 35 | 46.00 | | 38523 | 10 | (74.61) | 2.15/16 | 141906 | 3 |
| (23.02) | 29/32 | 6943 | 35 | (46.04) | 1.13/16 | 38523 | 10 | 75.00 | | 147134 | 3 |
| (23.81) | 15/16 | 7577 | 35 | 47.00 | | 40029 | 10 | 76.00 | | 154200 | 3 |
| 24.00 | | 7953 | 35 | (47.62) | 1.7/8 | 42095 | 10 | (76.20) | 3 | 154200 | 3 |
| (24.61) | 31/32 | 7953 | 35 | 48.00 | | 42095 | 10 | | | | |
| 25.00 | | 9204 | 35 | 49.00 | | 44949 | 10 | | | | |
| (25.40) | 1 | 9204 | 35 | (49.21) | 1.15/16 | 44949 | 10 | | | | |
| 26.00 | | 9931 | 35 | 50.00 | | 48370 | 10 | | | | |
| (26.19) | 1.1/32 | 9931 | 35 | (50.80) | 2 | 53484 | 5 | | | | |

Size upto 25/32" (20 mm) with 3 flutes and above 25/32" (20 mm) and upto 75 mm with 4 flutes and above 75.0 mm will be supplied with 6 flutes.





Reamers


HSS HOLE MILLS (FINISHING) GUIDED - TYPE B
IS: 5989 - 1998

| Size mm | Price Per Piece (Rs.) | MOQ (No.) | Size mm | Price Per Piece (Rs.) | MOQ (No.) |
|---------|-----------------------|-----------|---------|-----------------------|-----------|
| 6 | 3498 | 25 | 25 | 14260 | 20 |
| 8 | 3624 | 25 | 26 | 16027 | 20 |
| 10 | 4245 | 25 | 27 | 16027 | 20 |
| 12 | 4802 | 25 | 28 | 17478 | 20 |
| 13 | 6044 | 25 | 30 | 18165 | 20 |
| 14 | 6044 | 25 | 32 | 21088 | 20 |
| 15 | 6343 | 25 | 34 | 28503 | 10 |
| 16 | 6343 | 25 | 35 | 28503 | 10 |
| 18 | 8237 | 25 | 36 | 30450 | 10 |
| 20 | 8984 | 20 | 38 | 32558 | 10 |
| 22 | 10269 | 20 | 40 | 37530 | 10 |
| 24 | 13224 | 20 | 42 | 41804 | 10 |

HSS HOLE MILLS (ROUGHING) GUIDED - TYPE B
IS: 5989 - 1998

| Size mm | Price Per Piece (Rs.) | MOQ (No.) | Size mm | Price Per Piece (Rs.) | MOQ (No.) |
|---------|-----------------------|-----------|---------|-----------------------|-----------|
| 5.9 | 3498 | 25 | 24.7 | 14260 | 20 |
| 7.9 | 3624 | 25 | 25.7 | 16028 | 20 |
| 9.9 | 4245 | 25 | 26.7 | 16028 | 20 |
| 11.8 | 4802 | 25 | 27.7 | 17478 | 20 |
| 12.8 | 6044 | 25 | 29.7 | 18165 | 20 |
| 13.8 | 6044 | 25 | 31.7 | 21088 | 20 |
| 14.8 | 6343 | 25 | 33.7 | 28503 | 10 |
| 15.8 | 6343 | 25 | 34.7 | 28503 | 10 |
| 17.8 | 8239 | 25 | 35.7 | 30450 | 10 |
| 19.8 | 8984 | 20 | 37.7 | 32558 | 10 |
| 21.7 | 10269 | 20 | 39.7 | 37530 | 10 |
| 23.7 | 13224 | 20 | 41.6 | 41804 | 10 |

For more details please refer our Product Catalogue Page 179.



| HSS HAND REAMERS HSS MACHINE REAMERS WITH TAPER SHANK HSS CHUCKING REAMERS WITH PARALLEL SHANK HSS CHUCKING REAMERS WITH TAPER SHANK | | | | | | IS 5444-1978 IS 5445-1978 IS 5446-1978 IS 5447-1978 | Inch Sizes BS 328 (PART 4) 1983 | |
|-----------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------|---------|------------------------|---------------------------|--------------------------------------------------------------|------------------------------------------|--------------|
| Dia | | Price Per Piece (Rs.) | | | | | | MOQ (No.) |
| mm | Inch | Reamers | | Reamers | | Chucking Reamers | | |
| | | Hand | Machine | Hand With H7 Tolerance | Machine With H7 Tolerance | Parallel Shank | Taper Shank | |
| 3.00 | | 1644 ** | 1644 ** | 1644 | 1644 | 1644 | 1644 | 25 |
| (3.17) | 1/8 | 1644 | 1644 * | 1644 | 1644 | 1644 | 1644 | 25 |
| (3.97) | 5/32 | 1644 | 1644 | 1644 | 1644 | 1644 | 1644 | 25 |
| 4.00 | | 1644 ** | 1644 ** | 1644 | 1644 | 1644 | 1644 | 25 |
| (4.76) | 3/16 | 1644 | 1644 | 1644 | 1644 | 1644 | 1644 | 25 |
| 5.00 | | 1644 * | 1644 ** | 1644 | 1644 | 1644 | 1644 | 25 |
| (5.56) | 7/32 | 1644 | 1644 | 1644 | 1644 | 1644 | 1644 | 25 |
| 6.00 | | 1913 * | 1913 * | 1913 | 1913 | 1913 | 1913 | 25 |
| (6.35) | 1/4 | 1913 ** | 1913 ** | 1913 | 1913 | 1913 | 1913 | 25 |
| 7.00 | | 1918 ** | 1918 ** | 1918 | 1918 | 1918 | 1918 | 25 |
| (7.14) | 9/32 | 1918 | 1918 | 1918 | 1918 | 1918 | 1918 | 25 |
| (7.94) | 5/16 | 2173 ** | 2173 | 2173 | 2173 | 2173 | 2173 | 25 |
| 8.00 | | 2173 ** | 2173 ** | 2173 | 2173 | 2173 ** | 2173 | 25 |
| (8.73) | 11/32 | 2265 | 2265 | 2265 | 2265 | 2265 | 2265 | 25 |
| 9.00 | | 2265 ** | 2265 ** | 2265 | 2265 | 2265 | 2265 | 25 |
| (9.52) | 3/8 | 2471 ** | 2471 ** | 2471 | 2471 | 2471 | 2471 | 25 |
| 10.00 | | 2736 * | 2736 * | 2736 | 2736 | 2736 | 2736 | 25 |
| (10.32) | 13/32 | 2736 | 2736 | 2736 | 2736 | 2736 | 2736 | 25 |
| 11.00 | | 3074 ** | 3074 ** | 3074 | 3074 | 3074 | 3074 | 25 |
| 11.11 | 7/16 | 3074 | 3074 ** | 3074 | 3074 | 3074 | 3074 | 25 |
| (11.91) | 15/32 | 3195 | 3195 | 3195 | 3195 | 3195 | 3195 | 25 |
| 12.00 | | 3195 * | 3195 * | 3195 | 3195 | 3195 | 3195 | 25 |
| (12.70) | 1/2 | 3318 ** | 3318 ** | 3318 | 3318 | 3318 | 3318 | 25 |
| 13.00 | | 4036 ** | 4036 ** | 4036 | 4036 | 4036 | 4036 | 20 |
| (13.49) | 17/32 | 4036 | 4036 | 4036 | 4036 | 4036 | 4036 | 20 |
| 14.00 | | 4036 ** | 4036 ** | 4036 | 4036 | 4036 | 4036 | 20 |
| (14.29) | 9/16 | 4036 | 4036 | 4036 | 4036 | 4036 | 4036 | 20 |
| 15.00 | | 4061 ** | 4061 ** | 4061 | 4061 | 4061 | 4061 | 20 |
| (15.08) | 19/32 | 4061 | 4061 | 4061 | 4061 | 4061 | 4061 | 20 |
| (15.87) | 5/8 | 4061 | 4061 | 4061 | 4061 | 4061 | 4061 | 20 |
| 16.00 | | 4061 ** | 4061 * | 4061 | 4061 | 4061 | 4061 | 20 |
| (16.67) | 21/32 | 4676 | 4676 | 4676 | 4676 | – | 4676 | 20 |
| 17.00 | | 4676 ** | 4676 ** | 4676 | 4676 | – | 4676 | 20 |
| (17.46) | 11/16 | 4676 | 4676 | 4676 | 4676 | – | 4676 | 20 |
| 18.00 | | 5005 | 5005 * | 5005 | 5005 | – | 5005 | 20 |
| (18.26) | 23/32 | 5321 | 5321 | 5321 | 5321 | – | 5321 | 20 |
| 19.00 | | 5321 | 5321 ** | 5321 | 5321 | – | 5321 | 15 |
| (19.05) | 3/4 | 5321 | 5321 ** | 5321 | 5321 | – | 5321 | 15 |
| 20.00 | | 5933 ** | 5933 * | 5933 | 5933 | – | 5933 | 15 |
| (20.64) | 13/16 | 6044 | 6044 | 6044 | 6044 | – | 6044 | 15 |
| 21.00 | | 6715 | 6715 * | 6715 | 6715 | – | 6715 | 15 |

For more details please refer our Product Catalogue Pages 69 to 71 and 74 & 75.



| HSS HAND REAMERS HSS MACHINE REAMERS WITH TAPER SHANK HSS CHUCKING REAMERS WITH PARALLEL SHANK HSS CHUCKING REAMERS WITH TAPER SHANK | | | | | | IS 5444-1978 IS 5445-1978 IS 5446-1978 IS 5447-1978 | Inch Sizes BS 328 (PART 4) 1983 | |
|-----------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------------|----------|------------------------------|---------------------------------|--------------------------------------------------------------|---------------------------------------------|--------------|
| Dia | | Price Per Piece (Rs.) | | | | | | MOQ (No.) |
| mm | Inch | Reamers | | Reamers | | Chucking Reamers | | |
| | | Hand | Machine | Hand With H7 Tolerance | Machine With H7 Tolerance | Parallel Shank | Taper Shank | |
| 22.00 | | 6715 ** | 6715 * | 6715 | 6715 | – | 6715 | 15 |
| (22.22) | 7/8 | 6715 | 6715 * | 6715 | 6715 | – | 6715 | 15 |
| 23.00 | | 7837 | 7837 * | 7837 | 7837 | – | 7837 | 15 |
| (23.81) | 15/16 | 8683 | 8683 | 8683 | 8683 | – | 8683 | 15 |
| 24.00 | | 8683 ** | 8683 * | 8683 | 8683 | – | 8683 | 15 |
| 25.00 | | 8701 ** | 8701 ** | 8701 | 8701 | – | 8701 | 15 |
| (25.40) | 1 | 8858 | 8858 ** | 8858 | 8858 | – | 8858 | 15 |
| 26.00 | | 10754 | 10754 ** | 10754 | 10754 | – | 10754 | 10 |
| (26.99) | 1.1/16 | 12298 | 12298 | 12298 | 12298 | – | 12298 | 10 |
| 27.00 | | 12298 | 12298 ** | 12298 | 12298 | – | 12298 | 10 |
| 28.00 | | 12298 | 12298 ** | 12298 | 12298 | – | 12298 | 10 |
| (28.57) | 1.1/8 | 12298 | 12298 | 12298 | 12298 | – | 12298 | 10 |
| 29.00 | | 13045 | 13045 | 13045 | 13045 | – | 13045 | 10 |
| 30.00 | | 14075 | 14075 | 14075 | 14075 | – | 14075 | 10 |
| (30.16) | 1.3/16 | 14075 | 14075 | 14075 | 14075 | – | 14075 | 10 |
| 31.00 | | 15547 | 15547 | 15547 | 15547 | – | 15547 | 5 |
| (31.75) | 1.1/4 | 15547 | 15547 | 15547 | 15547 | – | 15547 | 5 |
| 32.00 | | 15547 | 15547 ** | 15547 | 15547 | – | 15547 | 5 |
| 33.00 | | 17654 | 17654 ** | 17654 | 17654 | – | 17654 | 5 |
| (33.34) | 1.5/16 | 17654 | 17654 | 17654 | 17654 | – | 17654 | 5 |
| 34.00 | | 19834 | 19834 ** | 19834 | 19834 | – | 19834 | 5 |
| (34.92) | 1.3/8 | 21702 | 21702 | 21702 | 21702 | – | 21702 | 5 |
| 35.00 | | 21702 | 21702 ** | 21702 | 21702 | – | 21702 | 5 |
| 36.00 | | 21702 | 21702 | 21702 | 21702 | – | 21702 | 5 |
| (36.51) | 1.7/16 | 21860 | 21860 | 21860 | 21860 | – | 21860 | 5 |
| 37.00 | | 23821 | 23821 | 23821 | 23821 | – | 23821 | 5 |
| 38.00 | | 23821 | 23821 ** | 23821 | 23821 | – | 23821 | 5 |
| (38.10) | 1.1/2 | 23821 | 23821 | 23821 | 23821 | – | 23821 | 5 |
| 39.00 | | 26327 | 26327 | 26327 | 26327 | – | 26327 | 5 |
| (39.69) | 1.9/16 | 28774 | 28774 | 28774 | 28774 | – | 28774 | 5 |
| 40.00 | | 28774 | 28774 ** | 28774 | 28774 | – | 28774 | 5 |
| 41.00 | | 29019 | 29019 | 29019 | 29019 | – | 29019 | 3 |
| (41.27) | 1.5/8 | 29019 | 29019 | 29019 | 29019 | – | 29019 | 3 |
| 42.00 | | 34200 | 34200 | 34200 | 34200 | – | 34200 | 3 |
| 42.86 | 1.11/16 | 34200 | 34200 | 34200 | 34200 | – | 34200 | 3 |
| 43.00 | | 34200 | 34200 | 34200 | 34200 | – | 34200 | 3 |
| 44.00 | | 34200 | 34200 | 34200 | 34200 | – | 34200 | 3 |
| (44.45) | 1.3/4 | 34200 | 34200 | 34200 | 34200 | – | 34200 | 3 |
| 45.00 | | 40076 | 40076 ** | 40076 | 40076 | – | 40076 | 3 |
| 46.00 | | 40076 | 40076 | 40076 | 40076 | – | 40076 | 3 |
| 47.00 | | 43271 | 43271 | 43271 | 43271 | – | 43271 | 3 |
| (47.62) | 1.7/8 | 46476 | 46476 | 46476 | 46476 | – | 46476 | 3 |
| 48.00 | | 46476 | 46476 | 46476 | 46476 | – | 46476 | 3 |
| 49.00 | | 46476 | 46476 | 46476 | 46476 | – | 46476 | 3 |
| (49.21) | 1.15/16 | 46476 | 46476 | 46476 | 46476 | – | 46476 | 3 |

For more details please refer our Product Catalogue Pages 69 to 71 and 74 & 75.



| HSS HAND REAMERS HSS MACHINE REAMERS WITH TAPER SHANK HSS CHUCKING REAMERS WITH PARALLEL SHANK HSS CHUCKING REAMERS WITH TAPER SHANK | | | | | | IS 5444-1978 IS 5445-1978 IS 5446-1978 IS 5447-1978 | Inch Sizes BS 328 (PART 4) 1983 | |
|-----------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------------|---------|------------------------|---------------------------|--------------------------------------------------------------|------------------------------------------|--------------|
| Dia | | Price Per Piece (Rs.) | | | | | | MOQ (No.) |
| mm | Inch | Reamers | | Reamers | | Chucking Reamers | | |
| | | Hand | Machine | Hand With H7 Tolerance | Machine With H7 Tolerance | Parallel Shank | Taper Shank | |
| 50.00 | | 46476 | 46476 | 46476 | 46476 | – | 46476 | 3 |
| (50.80) | 2 | 46476 | 46476 | 46476 | 46476 | – | 46476 | 3 |
| 51.00 | | 46476 | 46476 | 46476 | 46476 | – | 46476 | 3 |
| 52.00 | | 55399 | 55399 | 55399 | 55399 | – | 55399 | 3 |
| (52.39) | 2.1/16 | 55399 | 55399 | 55399 | 55399 | – | – | 3 |
| 53.00 | | 55399 | 55399 | 55399 | 55399 | – | – | 3 |
| (53.97) | 2.1/8 | 55399 | 55399 | 55399 | 55399 | – | – | 3 |
| 54.00 | | 55399 | 55399 | 55399 | 55399 | – | – | 3 |
| 55.00 | | 64328 | 64328 | 64328 | 64328 | – | – | 3 |
| (55.56) | 2.3/16 | 64328 | 64328 | 64328 | 64328 | – | – | 3 |
| 56.00 | | 64328 | 64328 | 64328 | 64328 | – | – | 3 |
| 57.00 | | 64328 | 64328 | 64328 | 64328 | – | – | 3 |
| (57.15) | 2.1/4 | 64328 | 64328 | 64328 | 64328 | – | – | 3 |
| 58.00 | | 68828 | 68828 | 68828 | 68828 | – | – | 3 |
| (58.74) | 2.5/16 | 68828 | 68828 | 68828 | 68828 | – | – | 3 |
| 59.00 | | 68828 | 68828 | 68828 | 68828 | – | – | 3 |
| 60.00 | | 81661 | 81661 | 81661 | 81661 | – | – | 3 |
| (60.32) | 2.3/8 | 81661 | 81661 | 81661 | 81661 | – | – | 3 |
| 61.00 | | 81661 | 81661 | 81661 | 81661 | – | – | 3 |
| (61.91) | 2'7/16 | 81661 | 81661 | 81661 | 81661 | – | – | 3 |
| 62.00 | | 81661 | 81661 | 81661 | 81661 | – | – | 3 |
| 63.00 | | 81661 | 81661 | 81661 | 81661 | – | – | 3 |
| (63.50) | 2.1/2 | 81661 | 81661 | 81661 | 81661 | – | – | 3 |
| 64.00 | | 81661 | 81661 | 81661 | 81661 | – | – | 2 |
| 65.00 | | – | 98593 | – | 98593 | – | – | 2 |
| (65.09) | 2.9/16 | 98593 | 98593 | 98593 | 98593 | – | – | 2 |
| 66.00 | | – | 101921 | – | 101921 | – | – | 2 |
| (66.67) | 2.5/8 | 101921 | 101921 | 101921 | 101921 | – | – | 2 |
| 67.00 | | – | 101921 | – | 101921 | – | – | 2 |
| 68.00 | | – | 109261 | – | 109261 | – | – | 2 |
| (68.26) | 2.11/16 | 109261 | 109261 | 109261 | 109261 | – | – | 2 |
| 69.00 | | – | 109261 | – | 109261 | – | – | 2 |
| (69.85) | 2.3/4 | 109261 | 109261 | 109261 | 109261 | – | – | 2 |
| 70.00 | | – | 109261 | – | 109261 | – | – | 2 |
| 71.00 | | – | 109261 | – | 109261 | – | – | 2 |
| (71.44) | 2.13/16 | 114797 | 114797 | 114797 | 114797 | – | – | 2 |
| 72.00 | | – | 133478 | – | 133478 | – | – | 2 |
| 73.00 | | – | 133478 | – | 133478 | – | – | 2 |
| (73.02) | 2.7/8 | 133478 | 133478 | 133478 | 133478 | – | – | 2 |
| 74.00 | | – | 133478 | – | 133478 | – | – | 2 |
| (74.61) | 2.15/16 | 133478 | 133478 | 133478 | 133478 | – | – | 2 |
| 75.00 | | – | 140162 | – | 140162 | – | – | 2 |
| 76.00 | | – | 140162 | – | 140162 | – | – | 2 |
| (76.20) | 3 | 140162 | 140162 | 140162 | 140162 | – | – | 2 |

For more details please refer our Product Catalogue Pages 69 to 71 and 74 & 75.



HSS TAPER SHANK EXTRA LONG MACHINE REAMERS

| Dia (mm) | Price Per Piece (Rs.) | MOQ (No.) | Dia Inch | Price Per Piece (Rs.) | MOQ (No.) |
|----------------|-----------------------|-----------|-------------------|-----------------------|-----------|
| 8 x 125 x 200 | 3146 | 30 | 5/16 x 125 x 200 | 3146 | 30 |
| 8 x 175 x 250 | 3361 | 30 | 5/16 x 175 x 250 | 3361 | 30 |
| 8 x 200 x 300 | 3687 | 30 | 5/16 x 200 x 300 | 3687 | 30 |
| 8 x 225 x 300 | 4625 | 30 | 3/8 x 125 x 200 | 3951 | 30 |
| 9 x 125 x 200 | 3068 | 30 | 3/8 x 175 x 250 | 4215 | 30 |
| 9 x 175 x 250 | 3533 | 30 | 3/8 x 200 x 300 | 4473 | 30 |
| 10 x 125 x 200 | 3951 | 30 | 7/16 x 160 x 250 | 4682 | 30 |
| 10 x 175 x 250 | 4215 | 30 | 7/16 x 200 x 300 | 4934 | 30 |
| 10 x 200 x 300 | 4473 | 30 | 1/2 x 175 x 200 | 5278 | 30 |
| 10 x 300 x 400 | 4780 | 30 | 1/2 x 200 x 300 | 5335 | 30 |
| 12 x 160 x 250 | 4682 ** | 30 | 9/16 x 200 x 300 | 6272 | 30 |
| 12 x 200 x 300 | 4934 | 30 | 9/16 x 250 x 350 | 6647 | 30 |
| 13 x 200 x 300 | 5642 | 30 | 5/8 x 200 x 300 | 6272 | 30 |
| 14 x 160 x 250 | 5258 | 30 | 5/8 x 250 x 350 | 6712 | 30 |
| 14 x 200 x 300 | 6176 | 30 | 5/8 x 300 x 400 | 7016 | 30 |
| 15 x 200 x 300 | 6272 | 30 | 11/16 x 200 x 300 | 7785 | 30 |
| 15 x 300 x 400 | 7016 | 30 | 3/4 x 200 x 300 | 8262 | 30 |
| 16 x 200 x 300 | 5973 | 30 | 3/4 x 300 x 400 | 8793 | 30 |
| 16 x 300 x 400 | 7016 | 30 | 13/16 x 200 x 300 | 10411 | 30 |
| 17 x 200 x 300 | 7075 | 30 | 7/8 x 200 x 300 | 12334 | 20 |
| 18 x 200 x 300 | 7778 | 30 | 7/8 x 300 x 400 | 12599 | 20 |
| 19 x 200 x 300 | 8262 | 30 | 1 x 275 x 400 | 15182 | 20 |
| 20 x 200 x 300 | 9166 | 30 | 1 x 200 x 315 | 13518 | 20 |
| 20 x 300 x 400 | 10358 | 30 | 1-1/8 x 275 x 400 | 23065 | 20 |
| 22 x 200 x 300 | 10411 | 20 | - | - | - |
| 25 x 200 x 315 | 13518 | 20 | - | - | - |
| 25 x 275 x 400 | 15191 | 20 | - | - | - |
| 26 x 275 x 400 | 18773 | 20 | - | - | - |
| 28 x 175 x 400 | 21564 | 20 | - | - | - |



**HSS MACHINE JIG REAMERS WITH RH CUTTING
AND LH HELICAL FLUTES**

IS: 11002 - 1984

| Dia mm | Price Per Piece (Rs.) | MOQ (No.) | Dia mm | Price Per Piece (Rs.) | MOQ (No.) |
|--------|-----------------------|-----------|--------|-----------------------|-----------|
| 6 | 2674 | 20 | 29 | 15787 | 5 |
| 7 | 2846 | 20 | 30 | 15787 | 5 |
| 8 | 2846 | 20 | 31 | 18275 | 5 |
| 9 | 3081 | 20 | 32 | 18275 | 5 |
| 10 | 3514 | 20 | 33 | 21463 | 5 |
| 11 | 3514 | 20 | 34 | 24715 | 5 |
| 12 | 4027 | 20 | 35 | 24715 | 5 |
| 13 | 4783 | 20 | 36 | 26517 | 5 |
| 14 | 4783 | 20 | 37 | 28349 | 5 |
| 15 | 5260 | 20 | 38 | 28349 | 5 |
| 16 | 5260 | 15 | 39 | 28349 | 5 |
| 17 | 6073 | 15 | 40 | 32587 | 5 |
| 18 | 6801 | 15 | 41 | 32587 | 5 |
| 19 | 6801 | 15 | 42 | 36407 | 3 |
| 20 | 7418 | 15 | 43 | 36407 | 3 |
| 21 | 8557 | 15 | 44 | 40002 | 3 |
| 22 | 8557 | 15 | 45 | 43440 | 3 |
| 23 | 8557 | 15 | 46 | 43440 | 3 |
| 24 | 11018 | 10 | 47 | 47360 | 3 |
| 25 | 11942 | 10 | 48 | 51504 | 3 |
| 26 | 13349 | 10 | 49 | 51504 | 3 |
| 27 | 13349 | 10 | 50 | 57260 | 3 |
| 28 | 14505 | 10 | | | |

**HSS MACHINE JIG REAMERS WITH RH CUTTING
AND LH HELICAL FLUTES**

BS : 122 (Part-2) 1964

| Dia Inch | Price Per Piece (Rs.) | MOQ (No.) | Dia Inch | Price Per Piece (Rs.) | MOQ (No.) |
|----------|-----------------------|-----------|----------|-----------------------|-----------|
| 1/4 | 2674 | 20 | 15/16 | 10554 | 15 |
| 9/32 | 2846 | 20 | 1 | 11456 | 10 |
| 5/16 | 2846 | 20 | 1.1/16 | 12849 | 10 |
| 11/32 | 2980 | 20 | 1.1/8 | 13968 | 10 |
| 3/8 | 2980 | 20 | 1.3/16 | 15210 | 5 |
| 13/32 | 3455 | 20 | 1.1/4 | 17585 | 5 |
| 7/16 | 3455 | 20 | 1.5/16 | 20603 | 5 |
| 15/32 | 3732 | 20 | 1.3/8 | 22969 | 5 |
| 1/2 | 3818 | 20 | 1.7/16 | 25503 | 5 |
| 9/16 | 4645 | 20 | 1.1/2 | 27277 | 5 |
| 5/8 | 5005 | 20 | 1.5/8 | 28042 | 5 |
| 11/16 | 5933 | 15 | 1.3/4 | 37718 | 3 |
| 3/4 | 6554 | 15 | 1.7/8 | 45466 | 3 |
| 13/16 | 7185 | 15 | 2 | 55098 | 3 |
| 7/8 | 8237 | 15 | | | |

For more details please refer our Product Catalogue Page 72 & 73.


HSS SHELL REAMERS (TAPER HOLE 1 IN 30)
IS: 5926 - 1970
RH CUTTING STRAIGHT FLUTES

| Dia mm | Price Per Piece (Rs.) | MOQ (No.) | Dia mm | Price Per Piece (Rs.) | MOQ (No.) |
|------------|-----------------------|-----------|---------|-----------------------|-----------|
| 21, 22, 23 | 5417 | 5 | 64 | 22958 | 3 |
| 24, 25 | 5417 | 5 | 65, 66 | 23178 | 3 |
| 26, 27 | 5738 | 5 | 67 | 25429 | 3 |
| 28 | 6159 | 5 | 68, 69 | 25429 | 3 |
| 29 | 6454 | 5 | 70 | 25429 | 3 |
| 30 | 6485 | 5 | 71 | 27989 | 3 |
| 31 | 6745 | 5 | 72, 73 | 28275 | 3 |
| 32 | 6788 | 5 | 74, 75 | 30729 | 3 |
| 33 | 7127 | 5 | 76 | 31028 | 3 |
| 34 | 7416 | 5 | 77, 78 | 34452 | 3 |
| 35 | 7499 | 5 | 79 | 34807 | 3 |
| 36 | 7812 | 5 | 80 | 38152 | 3 |
| 37 | 8114 | 5 | 81 | 38152 | 3 |
| 38 | 8227 | 5 | 82 | 38152 | 3 |
| 39, 40 | 8637 | 5 | 83 | 40758 | 3 |
| 41 | 9020 | 5 | 84 | 40758 | 3 |
| 42, 43 | 10235 | 5 | 85 | 41154 | 3 |
| 44 | 10383 | 5 | 86 | 43663 | 3 |
| 45 | 10829 | 5 | 87 | 43663 | 3 |
| 46 | 10829 | 5 | 88 | 43663 | 3 |
| 47 | 11344 | 5 | 89 | 44081 | 3 |
| 48 | 11570 | 5 | 90 | 51624 | 3 |
| 49 | 11649 | 5 | 91 | 52137 | 3 |
| 50 | 12125 | 5 | 92 | 52137 | 3 |
| 51 | 13304 | 5 | 93 | 53970 | 3 |
| 52,53,54 | 13429 | 5 | 94 | 53970 | 3 |
| 55, 56 | 14736 | 5 | 95 | 54502 | 3 |
| 57 | 14736 | 5 | 96 | 62449 | 3 |
| 58, 59 | 16520 | 5 | 97 | 62449 | 3 |
| 60 | 16520 | 5 | 98 | 62922 | 3 |
| 61 | 19772 | 5 | 99, 100 | 69653 | 3 |
| 62, 63 | 19960 | 5 | | | |

HSS SHELL REAMERS (TAPER HOLE 1 IN 96)
BS : 328 (PART 4) 1983
RH CUTTING WITH LH HELICAL FLUTES

| Dia Inch | Price Per Piece (Rs.) | MOQ (No.) | Dia Inch | Price Per Piece (Rs.) | MOQ (No.) |
|----------|-----------------------|-----------|----------|-----------------------|-----------|
| 1 | 5432 | 5 | 2-1/8 | 13304 | 5 |
| 1-1/16 | 5738 | 5 | 2-1/4 | 14490 | 5 |
| 1-1/8 | 6103 | 5 | 2-3/8 | 16165 | 5 |
| 1-3/16 | 6367 | 5 | 2-1/2 | 19772 | 5 |
| 1-1/4 | 6745 | 5 | 2-5/8 | 22958 | 3 |
| 1-5/16 | 7084 | 5 | 2-3/4 | 25180 | 3 |
| 1-3/8 | 7416 | 5 | 2-7/8 | 28237 | 3 |
| 1-7/16 | 7747 | 5 | 3 | 30729 | 3 |
| 1-1/2 | 8086 | 5 | 3-1/8 | 34452 | 3 |
| 1-9/16 | 8538 | 5 | 3-1/4 | 37822 | 3 |
| 1-5/8 | 8915 | 5 | 3-3/8 | 40758 | 3 |
| 1-11/16 | 10136 | 5 | 3-1/2 | 43663 | 3 |
| 1-3/4 | 10345 | 5 | 3-5/8 | 51657 | 3 |
| 1-13/16 | 10726 | 5 | 3-3/4 | 53970 | 3 |
| 1-7/8 | 11087 | 5 | 3-7/8 | 62449 | 3 |
| 1-15/16 | 11581 | 5 | 4 | 68997 | 3 |
| 2 | 12000 | 5 | | | |

For more details on these products, please refer our Product Catalogue Pages 76 to 78.



**HSS MACHINE BRIDGE REAMERS WITH RH CUTTING
AND LH HELICAL FLUTES**

IS: 5919 - 1978

| Dia mm | Price Per Piece (Rs.) | MOQ (No.) | Dia mm | Price Per Piece (Rs.) | MOQ (No.) |
|--------|-----------------------|-----------|--------|-----------------------|-----------|
| 6.4 | 2856 | 25 | 23 | 11394 | 10 |
| 7.4 | 2856 | 25 | 23.5 | 11394 | 10 |
| 8.4 | 3345 | 25 | 24 | 12391 | 10 |
| 9.4 | 3776 | 25 | 25 | 12391 | 10 |
| 10 | 4178 | 25 | 26 | 13968 | 10 |
| 11 | 4178 | 25 | 27 | 13968 | 10 |
| 11.5 | 4880 | 25 | 28 | 15118 | 10 |
| 12 | 4880 | 25 | 29 | 16320 | 10 |
| 13 | 5321 | 15 | 30 | 16320 | 10 |
| 13.5 | 5321 | 15 | 31 | 17976 | 5 |
| 14 | 5321 | 15 | 32 | 17976 | 5 |
| 15 | 6176 | 15 | 33 | 19341 | 5 |
| 17 | 7619 | 15 | 34 | 20750 | 5 |
| 17.5 | 7619 | 15 | 35 | 20750 | 5 |
| 18 | 8557 | 15 | 36 | 22142 | 5 |
| 19 | 8557 | 15 | 37 | 23605 | 5 |
| 20 | 9404 | 10 | 40 | 37530 | 3 |
| 21 | 10448 | 10 | 43 | 44419 | 3 |
| 21.5 | 10448 | 10 | 49 | 60414 | 3 |
| 22 | 10448 | 10 | | | |

**HSS MACHINE BRIDGE REAMERS WITH RH CUTTING
AND LH HELICAL FLUTES**

BS : 328 (PART 4) 1983

| Dia Inch | Price Per Piece (Rs.) | MOQ (No.) | Dia Inch | Price Per Piece (Rs.) | MOQ (No.) |
|-----------|-----------------------|-----------|-----------|-----------------------|-----------|
| 1/4 | 2792 | 25 | 15/16 | 11394 | 10 |
| 5/16 | 3111 | 25 | 1 | 12391 | 10 |
| 3/8 | 3555 | 25 | 1.1/16 | 13484 | 10 |
| 7/16 | 4178 | 25 | 1.1/8 | 14486 | 10 |
| 1/2 | 4514 | 25 | 1.3/16 | 15667 | 10 |
| 9/16 | 5321 | 15 | 1.1/4 MT3 | 17478 | 5 |
| 5/8 | 6176 | 15 | 1.1/4 MT4 | 17976 | 5 |
| 11/16 MT2 | 6213 | 15 | 1.5/16 | 18502 | 5 |
| 11/16 MT3 | 7619 | 15 | 1.3/8 | 19834 | 5 |
| 3/4 | 8557 | 15 | 1.7/16 | 21198 | 5 |
| 13/16 | 9086 | 10 | 1.1/2 | 23605 | 5 |
| 7/8 | 10448 | 10 | | | |

For more details please refer our Product Catalogue Page 86.



**HSS SOCKET REAMERS (ROUGHING/FINISHING)
PARALLEL SHANK/TAPER SHANK**

**BS : 328
(PART 4) 1983**

| Morse Taper No. | Price Per Piece (Rs.) | | MOQ (No.) | Morse Taper No. | Price Per Piece (Rs.) | | MOQ (No.) |
|-----------------|-----------------------|-------------|-----------|-----------------|-----------------------|-------------|-----------|
| | Parallel Shank | Taper Shank | | | Parallel Shank | Taper Shank | |
| 0 | 3776 | 4480 | 35 | 4 | 13908 | 16568 | 35 |
| 1 | 4154 | 4726 | 35 | 5 | 28349 | 30450 | 20 |
| 2 | 5784 | 7016 | 35 | 6 | 50025 | 69751 | 5 |
| 3 | 8409 | 10518 | 35 | | | | |

RH Cutting with LH Spiral Flutes will be supplied as standard for Finishing Reamers
RH Cutting with RH Spiral Flutes will be supplied as standard for Roughing Reamers
For more details on these products, please refer our Product Catalogue Page 81.



**HSS TAPER PIN REAMERS (TAPER 1 IN 50)
HAND / MACHINE**

**IS : 5881-1984
IS : 5918-1984**

| Dia Inch | Price Per Piece (Rs.) | | MOQ (No.) | Dia Inch | Price Per Piece (Rs.) | | MOQ (No.) |
|----------|-----------------------|---------|-----------|----------|-----------------------|---------|-----------|
| | Hand | Machine | | | Hand | Machine | |
| 3 | 3532 | 3532 | 20 | 16 | 8000 | 8000 | 10 |
| 4 | 3532 | 3532 | 20 | 20 | 12440 | 12440 | 10 |
| 5 | 3532 ** | 3532 | 20 | 25 | 13201 | 13201 | 10 |
| 6 | 3532 * | 3532 | 20 | 30 | 17762 | 17762 | 10 |
| 8 | 4780 ** | 4780 | 20 | 32 | 19516 | 19516 | 10 |
| 10 | 5301 ** | 5301 | 20 | 40 | 34898 | 34898 | 5 |
| 12 | 6399 ** | 6399 | 15 | 50 | 60481 | 60481 | 3 |
| 14 | 7185 | 7185 | 15 | | | | |

14 mm will be as per IS : 1836-1961

RH Cutting Straight Flutes will be supplied as standard for Hand Taper Pin Reamers.

RH Cutting with LH Helical Flutes will be supplied as standard for Machine Taper Pin Reamers.

For more details please refer our Product Catalogue Pages 82 and 84.



**HSS TAPER PIN REAMERS (TAPER 1 IN 48)
HAND / MACHINE**

BS : 328 (PART 4) 1983

| Dia Inch | Price Per Piece (Rs.) | | MOQ (No.) | Dia Inch | Price Per Piece (Rs.) | | MOQ (No.) |
|----------|-----------------------|---------|-----------|----------|-----------------------|---------|-----------|
| | Hand | Machine | | | Hand | Machine | |
| 9/64 | 3290 | | 25 | 3/8 | 4587 ** | 4587 | 25 |
| 5/32 | 3290 | 3290 | 25 | 13/32 | 5147 | 5147 | 25 |
| 11/64 | 3290 | 3290 | 25 | 7/16 | 5298 | 5298 | 25 |
| 3/16 | 3290 | 3290 | 25 | 1/2 | 5989 | 5989 | 25 |
| 7/32 | 3290 | 3290 | 25 | 9/16 | 6924 | 6924 | 25 |
| 1/4 | 3290 ** | 3290 | 25 | 5/8 | 7701 | 7701 | 25 |
| 9/32 | 3600 | 3600 | 25 | 3/4 | 9709 | 9709 | 20 |
| 5/16 | 3987 | 3987 | 25 | 7/8 | 11979 | 11979 | 20 |
| 11/32 | 4498 | 4498 | 25 | | | | |

RH Cutting with Straight Flutes will be supplied as standard for Hand Taper Pin Reamers.
RH Cutting with LH Helical Flutes will be supplied as standard for Machine Taper Pin Reamers.
For more details please refer our Product Catalogue Pages 83 & 85.

HSS CENTRE REAMERS RH ROTATION WITH STRAIGHT FLUTES BS : 122 (PART 2) 1964

| Dia Inch | Price Per Piece (Rs.) | MOQ (No.) | Dia Inch | Price Per Piece (Rs.) | MOQ (No.) |
|----------|-----------------------|-----------|----------|-----------------------|-----------|
| 1/4 | 1748 | 20 | 5/8 | 3370 | 20 |
| 3/8 | 2009 | | 3/4 | 4141 | 20 |
| 1/2 | 2478 | | | | |

For more details please refer our Product Catalogue Page 87.



Milling Cutters



HSS CYLINDRICAL CUTTERS

IS : 6309 - 1982

| Dia mm | Width mm | Price Per Piece (Rs.) | MOQ (No.) | Dia mm | Width mm | Price Per Piece (Rs.) | MOQ (No.) |
|--------|----------|-----------------------|-----------|--------|----------|-----------------------|-----------|
| 40 | (20) | 3953 | 3 | 80 | 80 | 19170 | 3 |
| | (32) | 4941 | 3 | | 100 | 22069 | 3 |
| | (50) | 6151 | 3 | 100 | (40) | 15928 | 2 |
| | (70) | 8245 | 3 | | (70) | 24127 | 2 |
| 50 | (25) | 5065 | 3 | 100 | (90) | 29895 | 2 |
| 50 | 40 | 5998 | 3 | | (110) | 41995 | 2 |
| | 63 | 7853 | 3 | | 125 | 51158 | 2 |
| | 80 | 10189 | 3 | 125 | (50) | 35960 | 2 |
| 63 | (32) | 7211 | 3 | | (80) | 51009 | 2 |
| 63 | 50 | 9093 | 3 | 125 | (110) | 68645 | 2 |
| | 70 | 11966 | 3 | | (125) | 76796 | 2 |
| | (90) | 14050 | 3 | | 140 | 85416 | 2 |
| 80 | (36) | 10189 | 3 | 160 | 125 | 127781 | 2 |
| | 63 | 16201 | 3 | | | | |

Type-N Cutters with Right Hand Helix will be supplied as Standard.

Bracketed sizes are as per IS 1831-1961/IS 6309-1971

HSS HIGH POWER CYLINDRICAL CUTTERS WITH LIFT HAND HELIX

TO BS : 122
(PART 1) 1953

| Length Inch | Price Per Piece (Rs.) | | | | | | | | | |
|-------------|-----------------------|-----------|-------|-----------|--------|-----------|-------|-----------|--------|-----------|
| | 2-1/2" | MOQ (No.) | 3" | MOQ (No.) | 3-1/2" | MOQ (No.) | 4" | MOQ (No.) | 4-1/2" | MOQ (No.) |
| 1 | 6445 | 3 | 8127 | 3 | 9005 | 3 | 11386 | 3 | 16419 | 3 |
| 2 | 9542 | 3 | 12505 | 3 | 15015 | 3 | 19931 | 3 | 27570 | 3 |
| 3 | 12695 | 2 | 16989 | 2 | 20965 | 2 | 28460 | 2 | 38944 | 2 |
| 4 | 15815 | 2 | 21591 | 2 | 26993 | 2 | 36272 | 2 | 51009 | 2 |
| 5 | 19070 | 2 | 30363 | 2 | 39695 | 2 | 50360 | 2 | 62800 | 2 |
| 6 | 22317 | 2 | 38670 | 2 | 47235 | 2 | 58874 | 2 | 74632 | 2 |
| 7 | 25463 | 2 | 45113 | 2 | 54869 | 2 | 70188 | 2 | 87389 | 2 |
| 8 | 29815 | 2 | 51531 | 2 | 62505 | 2 | 79946 | 2 | 98474 | 2 |

HSS HELICAL CYLINDRICAL CUTTERS WITH LEFT HAND HELIX

BS : 122
(PART 1) 1953

| Length Inch | Price Per Piece (Rs.) | | | | | | Length Inch | Price Per Piece (Rs.) | | | | | |
|-------------|-----------------------|-----------|-------|-----------|-------|-----------|-------------|-----------------------|-----------|-------|-----------|--------|-----------|
| | 3" | MOQ (No.) | 4" | MOQ (No.) | 5" | MOQ (No.) | | 3" | MOQ (No.) | 4" | MOQ (No.) | 5" | MOQ (No.) |
| 2 | 17982 | 3 | 26403 | 3 | 44034 | 3 | 5 | 44224 | 2 | 65068 | 2 | 89743 | 2 |
| 3 | 22761 | 2 | 35320 | 2 | 59316 | 2 | 6 | 56077 | 2 | 76564 | 2 | 105219 | 2 |
| 4 | 30609 | 2 | 44978 | 2 | 74651 | 2 | | | | | | | |

For more details please refer our Product Catalogue Page no. 108 to 110.



HSS SIDE AND FACE CUTTERS

IS : 6308 - 1982 - TOOL TYPE-N

| Dia mm | Width mm | Bore mm | Price Per Piece (Rs.) | | MOQ (No.) | Dia mm | Width mm | Bore mm | Price Per Piece (Rs.) | | MOQ (No.) |
|--------|----------|---------|-----------------------|------------------------|-----------|--------|----------|---------|-----------------------|------------------------|-----------|
| | | | Straight Teeth Type B | Staggered Teeth Type A | | | | | Straight Teeth Type B | Staggered Teeth Type A | |
| 50 | 5 | 16 | 4634 | 5762 | 4 | 150 | 28 | | 34961 | 43808 | 4 |
| | 6 | | 4816 | 5998 | 4 | | 32 | | 37577 | 47793 | 4 |
| | 8 | | 4941 | 6163 | 4 | 160 | 6 | 40 | 20627 | 23035 | 3 |
| | 10 | | 5249 | 6559 | 4 | | 8 | | 21921 | 24492 | 3 |
| 63 | 6 | 22 | 5676 | 7337 | 4 | | 10 | | 23222 | 25941 | 3 |
| 63 | 8 | 22 | 5998 ** | 8005 | 4 | 160 | 12 | 40 | 24498 | 27355 | 3 |
| | 10 | | 6522 ** | 8245 | 4 | | 14 | | 25787 | 28819 | 3 |
| | 12 | | 6804 | 8883 | 4 | | 16 | | 27307 | 30259 | 3 |
| | 14 | | 7009 | 9530 | 4 | | 18 | | 29242 | 33481 | 3 |
| | 16 | | 7353 | 10280 | 4 | | 20 | | 30702 | 33481 | 3 |
| 63 | 18 | 22 | 7841 | 10584 | 4 | 160 | 22 | 40 | 32512 | 37113 | 3 |
| 80 | 6 | 27 | 6215 | 7800 | 4 | | 25 | | 35091 | 43035 | 3 |
| | 8 | | 6888 | 8489 | 4 | | 28 | | 37577 | 44809 | 3 |
| | 10 | | 7353 | 9712 | 4 | | 32 | | 40900 | 48856 | 3 |
| | 12 | | 7841 | 10280 | 4 | 200 | 6 | 40 | 26993 | 29938 | 3 |
| 80 | 14 | 27 | 8339 | 11028 | 4 | 200 | 8 | 40 | 29124 | 32243 | 3 |
| | 16 | | 8723 | 11254 | 4 | | 10 | | 31520 | 35436 | 3 |
| | 18 | | 9712 | 12745 | 4 | | 12 | | 36433 | 40061 | 3 |
| | 20 | | 10134 | 13366 | 4 | | 14 | | 38806 | 42864 | 3 |
| 100 | 6 | 32 | 8883 | 10773 | 4 | | 16 | | 41204 | 45714 | 3 |
| 100 | 8 | 32 | 9495 | 11529 | 4 | 200 | 18 | 40 | 45985 | 51835 | 3 |
| | 10 | | 10497 | 12357 | 4 | | 20 | | 46484 | 53417 | 3 |
| | 12 | | 11254 ** | 13736 | 4 | | 22 | | 50759 | 58102 | 3 |
| | 14 | | 11921 | 14050 | 4 | | 25 | | 55537 | 63805 | 3 |
| | 16 | | 12745 | 15158 | 4 | | 28 | | 58471 | 67767 | 3 |
| 100 | 18 | 32 | 13592 | 15583 | 4 | 200 | 32 | 40 | 64991 | 75954 | 3 |
| | 20 | | 14636 | 16455 | 4 | 225 | 6 | | 34769 | 37708 | 3 |
| | 22 | | 15323 | 18815 | 4 | | 8 | | 37954 | 41509 | 3 |
| | 25 | | 16649 | 20513 | 4 | | 10 | | 41315 | 44713 | 3 |
| 125 | 6 | 32 | 12454 | 15451 | 4 | | 12 | | 48095 | 52487 | 3 |
| 125 | 8 | 32 | 13366 | 16649 | 4 | 225 | 14 | | 51558 | 56750 | 3 |
| | 10 | | 14321 | 19372 | 4 | | 16 | | 55082 | 60965 | 3 |
| | 12 | | 16322 | 20112 | 4 | | 18 | | 62137 | 70653 | 3 |
| | 14 | | 17682 | 21487 | 4 | | 20 | | 62137 | 70653 | 3 |
| | 16 | | 18429 | 22317 | 4 | | 22 | | 68596 | 78236 | 3 |
| 125 | 18 | 32 | 19765 | 25454 | 4 | 225 | 25 | | 75119 | 85567 | 3 |
| | 20 | | 20467 | 27461 | 4 | | 28 | | 81792 | 92485 | 3 |
| | 22 | | 22601 | 29841 | 4 | | 32 | | 88456 | 99366 | 3 |
| | 25 | | 24715 | 31031 | 4 | 250 | 6 | | 39903 | 43717 | 3 |
| | 28 | | 27829 | 35523 | 4 | | 8 | | 43974 | 47543 | 3 |
| 150 | 6 | | 15158 | 19491 | 4 | 250 | 10 | | 47769 | 51318 | 3 |
| | 8 | | 16488 | 21086 | 4 | | 12 | | 55875 | 61189 | 3 |
| | 10 | | 17889 | 22721 | 4 | | 14 | | 60489 | 65932 | 3 |
| | 12 | | 20719 | 26172 | 4 | | 16 | | 64946 | 70653 | 3 |
| | 14 | | 22160 | 27829 | 4 | | 18 | | 73414 | 81735 | 3 |
| 150 | 16 | | 23611 | 29516 | 4 | 250 | 20 | | 73414 | 81735 | 3 |
| | 18 | | 26511 | 32739 | 4 | | 22 | | 81243 | 90575 | 3 |
| | 20 | | 26511 | 32739 | 4 | | 25 | | 89573 | 98633 | 3 |
| | 22 | | 29434 | 36275 | 4 | | 28 | | 97370 | 109135 | 3 |
| | 25 | | 32270 | 39952 | 4 | | 32 | | 105086 | 119677 | 3 |

For more details please refer our Product Catalogue Page no. 111 to 114.



HSS SIDE AND FACE CUTTERS

BS : 122 (PART 1) - 1953

| Dia Inch | Width Inch | Price Per Piece (Rs.) | | MOQ (No.) | Dia Inch | Width Inch | Price Per Piece (Rs.) | | MOQ (No.) |
|----------|------------|-----------------------|------------------------|-----------|----------|------------|-----------------------|------------------------|-----------|
| | | Straight Teeth Type B | Staggered Teeth Type A | | | | Straight Teeth Type B | Staggered Teeth Type A | |
| 2.1/2 | 1/4 | 5676 | | 4 | 5 | 5/16 | 13366 | 16649 | 4 |
| | 5/16 | 5946 | | 4 | | 3/8 | 14321 | 19372 | 4 |
| | 3/8 | 6215 | | 4 | | 7/16 | 15323 | 19714 | 4 |
| | 7/16 | 6495 | | 4 | | 1/2 | 16322 | 20112 | 4 |
| | 1/2 | 6774 | | 4 | | 5/8 | 18429 | 22317 | 4 |
| 2.1/2 | 5/8 | 7262 | | 4 | 5 | 3/4 | 20467 | 25463 | 4 |
| | 3/4 | 7756 | | 4 | | 7/8 | 22601 | 29516 | 4 |
| | 7/8 | 8276 | | 4 | | 1 | 24715 | 31031 | 4 |
| | 1 | 8858 | | 4 | | 1.1/4 | 28544 | | 4 |
| | 1.1/4 | 9957 | | 4 | | 1.1/2 | 32473 | | 4 |
| 2.1/2 | 1.1/2 | 11094 | | 4 | 6 | 1/4 | 15158 | 19491 | 3 |
| | 3 | 6291 | 7899 | 4 | | 5/16 | 16488 | 21086 | 3 |
| | 5/16 | 6611 | 8400 | 4 | | 3/8 | 17889 | 22721 | 3 |
| | 3/8 | 7009 | 9387 | 4 | | 7/16 | 19303 | 24418 | 3 |
| | 7/16 | 7337 | 9542 | 4 | | 1/2 | 20719 | 26172 | 3 |
| 3 | 1/2 | 7723 | 9712 | 4 | 6 | 5/8 | 23603 | 29516 | 3 |
| | 5/8 | 8469 | 10874 | 4 | | 3/4 | 26511 ** | 32739 | 3 |
| | 3/4 | 9093 | 11552 | 4 | | 7/8 | 29434 | 36275 | 3 |
| | 7/8 | 10119 | 12596 | 4 | | 1 | 32270 | 39928 | 3 |
| | 1 | 10936 | 13592 | 4 | | 1.1/4 | 37577 | 0 | 3 |
| 3 | 1.1/4 | 12074 | | 4 | 6 | 1.1/2 | 42864 | 0 | 3 |
| | 1.1/2 | 13797 | | 4 | | 7 | 1/4 | 22475 | 25463 |
| 3.1/2 | 1/4 | 7474 | | 4 | | 5/16 | 24320 | 29224 | 3 |
| | 5/16 | 7899 | | 4 | | 3/8 | 26167 | 31522 | 3 |
| | 3/8 | 8400 | | 4 | | 7/16 | 27917 | 33100 | 3 |
| 3.1/2 | 7/16 | 8898 | | 4 | 7 | 1/2 | 30153 | 34599 | 3 |
| | 1/2 | 9334 | | 4 | | 5/8 | 33760 | 40579 | 3 |
| | 5/8 | 10345 | | 4 | | 3/4 | 37441 | 45391 | 3 |
| | 3/4 | 11332 | | 4 | | 7/8 | 41162 | 49938 | 3 |
| | 7/8 | 12217 | | 4 | | 1 | 44837 | 54400 | 3 |
| 3.1/2 | 1 | 13438 | | 4 | 7 | 1.1/4 | 52168 | | 3 |
| | 1.1/4 | 15202 | | 4 | | 1.1/2 | 59584 | | 3 |
| | 1.1/2 | 17133 | | 4 | | 8 | 1/4 | 26993 | 29978 |
| 4 | 1/4 | 8858 | 10773 | 4 | | 5/16 | 29124 | 32243 | 3 |
| | 5/16 | 9495 | 11529 | 4 | | 3/8 | 31520 | 35436 | 3 |
| 4 | 3/8 | 10134 ** | 12217 | 4 | 8 | 7/16 | 33972 | 37750 | 3 |
| | 7/16 | 10773 | 12964 | 4 | | 1/2 | 36433 | 40061 | 3 |
| | 1/2 | 11254 ** | 13736 | 4 | | 5/8 | 41204 | 45714 | 3 |
| | 5/8 | 12745 | 15158 | 4 | | 3/4 | 45985 | 51993 | 3 |
| | 3/4 | 14050 | 17299 | 4 | | 7/8 | 50759 | 58102 | 3 |
| 4 | 7/8 | 15323 | 18815 | 4 | 8 | 1 | 55537 | 63789 | 3 |
| | 1 | 16649 | 20513 | 4 | | 1.1/4 | 64981 | | 3 |
| | 1.1/4 | 18922 | | 4 | | 1.1/2 | 74424 | | 3 |
| | 1.1/2 | 20844 | | 4 | 9 | 1/4 | 34769 | 38405 | 3 |
| 5 | 1/4 | 12454 | | 4 | | 5/16 | 37954 | 41509 | 3 |

For more details please refer our Product Catalogue Page no. 111 to 114.



HSS SIDE AND FACE CUTTERS

BS : 122 (PART 1) - 1953

| Dia Inch | Width Inch | Price Per Piece (Rs.) | | MOQ (No.) | Dia Inch | Width Inch | Price Per Piece (Rs.) | | MOQ (No.) |
|----------|------------|-----------------------|------------------------|-----------|----------|------------|-----------------------|------------------------|-----------|
| | | Straight Teeth Type B | Staggered Teeth Type A | | | | Straight Teeth Type B | Staggered Teeth Type A | |
| 9 | 3/8 | 41315 | 44713 | 3 | 10 | 5/16 | 43974 | 47543 | 3 |
| | 7/16 | 44528 | 49211 | 3 | | 3/8 | 47769 | 51318 | 3 |
| | 1/2 | 48097 | 52552 | 3 | | 7/16 | 51336 | 53683 | 3 |
| | 5/8 | 55082 | 60965 | 3 | | 1/2 | 55875 | 61189 | 3 |
| | 3/4 | 61028 | 70653 | 3 | | 5/8 | 64946 | 70653 | 3 |
| 9 | 7/8 | 68596 | 78236 | 3 | 10 | 3/4 | 73414 | 81735 | 3 |
| | 1 | 75119 | 81219 | 3 | | 7/8 | 81246 | 90575 | 3 |
| | 1.1/4 | 88456 | 99366 | 3 | | 1 | 89576 | 98633 | 3 |
| | 1.1/2 | 101826 | 113577 | 3 | | 1.1/4 | 105086 | 119677 | 3 |
| | 1.3/4 | 124869 | 138535 | 3 | | 1.1/2 | 121855 | 137512 | 3 |
| 10 | 1/4 | 39903 | 43717 | 3 | 1.3/4 | 147980 | 165245 | 3 | |

For more details please refer our Product Catalogue Page no. 111 to 114.

HSS KEYWAY MILLING CUTTERS

IS : 6355 - 1982

| Dia mm | Width mm | Price Per Piece (Rs.) | MOQ (Nos) | Dia mm | Width mm | Price Per Piece (Rs.) | MOQ (Nos) | Dia mm | Width mm | Price Per Piece (Rs.) | MOQ (Nos) |
|--------|----------|-----------------------|-----------|--------|----------|-----------------------|-----------|--------|----------|-----------------------|-----------|
| 50 | 5 | 4205 | 4 | 100 | 6 | 8127 | 2 | 160 | 12 | 23629 | 2 |
| | 6 | 4546 | 4 | | 8 | 8722 | 2 | | 14 | 25177 | 2 |
| | 8 | 4822 | 4 | | 10 | 9495 | 2 | | 16 | 26957 | 2 |
| | 10 | 5035 | 4 | | 12 | 10345 | 2 | | 18 | 28689 | 2 |
| 63 | 5 | 4932 | 4 | | 14 | 11127 | 2 | | 20 | 30609 | 2 |
| 63 | 6 | 4932 | 4 | 100 | 16 | 11974 | 2 | 160 | 22 | 32593 | 2 |
| | 8 | 5162 | 4 | | 18 | 12671 | 2 | | 25 | 35384 | 2 |
| | 10 | 5676 | 4 | | 20 | 12950 | 2 | | 28 | 37361 | 2 |
| | 12 | 6163 | 4 | | 22 | 14464 | 2 | | 32 | 42281 | 2 |
| | 14 | 6522 | 4 | | 25 | 15451 | 2 | | 200 | 12 | 34747 |
| 63 | 16 | 7009 | 4 | 125 | 8 | 12454 | 2 | 200 | 14 | 36711 | 2 |
| | 18 | 7533 | 4 | | 10 | 13622 | 2 | | 16 | 39041 | 2 |
| | 80 | 5 | 6900 | | 2 | 12 | 14856 | | 2 | 18 | 41792 |
| 80 | 6 | 6900 | 2 | | 14 | 16376 | 2 | | 20 | 44737 | 2 |
| | 8 | 7353 | 2 | | 16 | 17463 | 2 | | 22 | 48070 | 2 |
| | 10 | 7848 | 2 | 125 | 18 | 18922 | 2 | 200 | 25 | 51824 | 2 |
| | 12 | 8789 | 2 | | 20 | 20039 | 2 | | 28 | 56160 | 2 |
| | 14 | 9495 | 2 | | 22 | 21345 | 2 | | 32 | 62511 | 2 |
| 16 | 10090 | 2 | 25 | | 23367 | 2 | 36 | | 68858 | 2 | |
| 18 | 10660 | 2 | 28 | | 25787 | 2 | 40 | | 75393 | 2 | |
| 80 | 20 | 11332 | 2 | 160 | 10 | 22443 | 2 | | | | |

RECOMMENDED STANDARD BORES IN MM

| Dia | Bore | Dia | Bore | Dia | Bore |
|-----|------|-----|------|-----|------|
| 50 | 16 | 100 | 32 | 160 | 40 |
| 63 | 22 | 125 | 32 | 200 | 40 |
| 80 | 27 | | | | |

For more details please refer our Product Catalogue Page no. 118


HSS SLOTTING CUTTERS
BS : 122 (PART 1) 1953

| Dia Inch | Width Inch | Price Per Piece (Rs.) | MOQ (No.) | Dia Inch | Width Inch | Price Per Piece (Rs.) | MOQ (No.) | Dia Inch | Width Inch | Price Per Piece (Rs.) | MOQ (No.) |
|----------|------------|-----------------------|-----------|----------|------------|-----------------------|-----------|----------|------------|-----------------------|-----------|
| 2.1/2 | 1/4 | 3416 | 4 | | 5/16 | 5346 | 3 | | 5/16 | 10280 | 3 |
| | 5/16 | 3702 | 4 | 3 1/2 | 3/8 | 5780 | 3 | | 3/8 | 11184 | 3 |
| | 3/8 | 3959 | 4 | | 7/16 | 6215 | 3 | 5 | 7/16 | 12126 | 3 |
| | 7/16 | 4179 | 4 | | 1/2 | 6664 | 3 | | 1/2 | 13064 | 3 |
| | 1/2 | 4416 | 4 | | 5/8 | 7587 | 3 | | 5/8 | 14856 | 3 |
| 2.1/2 | 5/8 | 4941 | 4 | | 3/4 | 8245 | 3 | | 3/4 | 16322 | 3 |
| | 3/4 | 5291 | 4 | 3 1/2 | 7/8 | 8898 | 3 | | 7/8 | 17815 | 3 |
| | 7/8 | 5660 | 4 | | 1 | 9542 | 3 | 5 | 1 | 19303 | 3 |
| | 1 | 5998 | 4 | 4 | 3/16 | 5871 | 3 | 6 | 1/4 | 12126 | 3 |
| 3 | 1/4 | 3904 | 4 | | 1/4 | 5871 | 3 | | 5/16 | 13440 | 3 |
| 3 | 5/16 | 4205 | 4 | | 5/16 | 6559 | 3 | | 3/8 | 14738 | 3 |
| | 3/8 | 4522 | 4 | 4 | 3/8 | 7157 | 3 | | 7/16 | 16057 | 3 |
| | 7/16 | 4941 | 4 | | 7/16 | 8339 | 3 | 6 | 1/2 | 17394 | 3 |
| | 1/2 | 5192 | 4 | | 1/2 | 8400 | 3 | | 5/8 | 20034 | 3 |
| | 5/8 | 5845 | 4 | | 5/8 | 10500 | 3 | | 3/4 | 22217 | 3 |
| 3 | 3/4 | 6369 | 4 | | 3/4 | 10660 | 3 | | 7/8 | 24418 | 3 |
| | 7/8 | 7030 | 4 | 4 | 7/8 | 12271 | 3 | | 1 | 26697 | 3 |
| | 1 | 7756 | 4 | | 1 | 12636 | 3 | | | | |
| 3.1/2 | 1/4 | 4870 | 3 | 5 | 1/4 | 9387 | 3 | | | | |

For more details please refer our Product Catalogue Page no. 115.

HSS SINGLE ANGLE CUTTERS RH CUTTERS IN TYPE-H
IS : 6324 - 1971

| Dia mm | Width mm | Bore mm | Angle (Degrees) | Price Per Piece (Rs.) | MOQ (No.) | Dia mm | Width mm | Bore mm | Angle (Degrees) | Price Per Piece (Rs.) | MOQ (No.) |
|--------|----------|---------|-----------------|-----------------------|-----------|--------|----------|---------|-----------------|-----------------------|-----------|
| 50 | 12 | 16 | 60, 65, 70 | 4375 | 3 | 80 | 32 | 22 | 70, 75, 80 | 10189 | 3 |
| | | | 75, 80, 85 | | | | | | | | |
| 63 | 18 | 22 | 60, 65, 70 | 6522 | 3 | 100 | 36 | 27 | 70, 75, 80 | 15290 | 3 |
| | | | 75, 80, 85 | | | | | | | | |
| 63 | 26 | 22 | 70, 75, 80 | 7756 | 3 | | | | | | |

HSS SINGLE ANGLE CUTTERS RH CUTTERS
BS : 122 (PART 1) 1953

| Width | Angle | Price Per Piece (Rs.) Dia Inch | | MOQ (No.) | Width | Angle | Price Per Piece (Rs.) Dia Inch | | MOQ (No.) |
|-------|-----------|-----------------------------------|------|-----------|-------|----------------------------|-----------------------------------|------|-----------|
| Inch | (Degrees) | 2-3/4" | 3" | | Inch | (Degrees) | 2-3/4" | 3" | |
| 5/16 | 30 | 5426 | 5999 | 3 | 1/2" | 45, 50, 55, 60, 65, 70, 80 | 62931 | 7102 | 3 |
| 7/16 | 40 | 5946 | 6783 | 3 | 5/8" | 50,60,65,70,80 | 7010 | 7537 | 3 |

Price for LH Cutters will be same as above.

For more details please refer our Product Catalogue Page no. 120.



**HSS DOUBLE ANGLE CUTTERS
RH CUTTERS WITH TYPE-H**

IS: 6325 - 1971

| Dia mm | Width mm | Bore mm | Angle (Degrees) | Price Per Piece (Rs.) | MOQ (No.) |
|--------|----------|---------|------------------|-----------------------|-----------|
| 50 | 12 | 16 | 12 x 55, 15 x 60 | 4816 | 4 |
| | | | 65, 70, 75 & 80 | | 4 |
| 63 | 18 | 22 | 12 x 55, 15 x 60 | 6587 | 4 |
| | | | 65, 70, 75 & 80 | | 4 |
| 50 | 14 | 16 | 20 x 90 | 5249 | 4 |
| 63 | 20 | 22 | 20 x 90 | 6900 | 4 |
| 50 | 16 | 16 | 25 x 100 | 5676 | 4 |
| 63 | 22 | 22 | 25 x 100 | 7462 | 4 |
| 80 | 32 | 22 | 15 x 65, 70, 75 | 10189 | 3 |
| 100 | 36 | 27 | 15 x 70, 75, 80 | 15290 | 3 |

HSS DOUBLE ANGLE CUTTERS RH CUTTERS

BS 122 (PART 1) 1953

| Dia Inch | Width Inch | Bore Inch | Price Per Piece (Rs.) | MOQ (No.) | Dia Inch | Width Inch | Bore Inch | Price Per Piece (Rs.) | MOQ (No.) |
|--------------------------------------------|------------|-----------|-----------------------|-----------|--------------------------------------------|------------|-----------|-----------------------|-----------|
| Angle in Degrees : 12 x 48, 53, 63, 68, 73 | | | | | Angle in Degrees : 12 x 48, 53, 63, 68, 73 | | | | |
| 2-3/4 | 5/8 | 1 | 6291 | 3 | 3 | 5/8 | 1-1/4 | 7848 | 3 |
| | 3/4 | 1 | 7586 | 3 | | 3/4 | 1-1/4 | 7900 | 3 |

For more details please refer our Product Catalogue Page nos. 121 & 122.

HSS EQUAL ANGLE CUTTERS RH CUTTERS

BS 122 (PART 1) 1953

| Dia mm | Width mm | Bore mm | Angle (Degrees) | Price Per Piece (Rs.) | MOQ (No.) | Dia mm | Width mm | Bore mm | Angle (Degrees) | Price Per Piece (Rs.) | MOQ (No.) |
|--------|----------|---------|-----------------|-----------------------|-----------|--------|----------|---------|-----------------|-----------------------|-----------|
| 50 | 8 | 16 | 45 | 4239 | 3 | 80 | 12 | 27 | 45 | 6335 | 3 |
| 50 | 10 | 16 | 60 | 4426 | 3 | 80 | 18 | 27 | 60 | 7177 | 3 |
| 50 | 14 | 16 | 90 | 4990 | 3 | 80 | 22 | 27 | 90 | 8127 | 3 |
| 63 | 10 | 22 | 45 | 5162 | 3 | 100 | 18 | 32 | 45 | 10014 | 3 |
| 63 | 14 | 22 | 60 | 5714 | 3 | 100 | 25 | 32 | 60 | 11713 | 3 |
| 63 | 20 | 22 | 90 | 6607 | 3 | 100 | 32 | 32 | 90 | 13707 | 3 |

HSS EQUAL ANGLE CUTTERS (TYPE-H) TO OLD SPECIFICATION

IS : 6326 - 1971

| Dia mm | Width mm | Bore mm | Angle (Degrees) | Price Per Piece (Rs.) | MOQ (No.) | Dia mm | Width mm | Bore mm | Angle (Degrees) | Price Per Piece (Rs.) | MOQ (No.) |
|--------|----------|---------|-----------------|-----------------------|-----------|--------|----------|---------|-----------------|-----------------------|-----------|
| 56 | 10 | 16 | 45 | 4816 | 3 | 80 | 16 | 22 | 45 | 6888 | 3 |
| 56 | 12 | 16 | 60 | 5035 | 3 | 80 | 20 | 22 | 60 | 7474 | 3 |
| 56 | 14 | 16 | 90 | 5425 | 3 | 80 | 22 | 22 | 90 | 8127 | 3 |
| 63 | 12 | 22 | 45 | 5425 | 3 | 100 | 18 | 27 | 45 | 10014 | 3 |
| 63 | 16 | 22 | 60 | 5998 | 3 | 100 | 25 | 27 | 60 | 11713 | 3 |
| 63 | 18 | 22 | 90 | 6291 | 3 | 100 | 28 | 27 | 90 | 12695 | 3 |

HSS EQUAL ANGLE CUTTERS

BS 122 (PART 1) 1953

| Dia Inch | Width Inch | Angle (Degrees) | Price Per Piece (Rs.) | MOQ (No.) | Dia Inch | Width Inch | Angle (Degrees) | Price Per Piece (Rs.) | MOQ (No.) |
|----------|------------|-----------------|-----------------------|-----------|----------|------------|-----------------|-----------------------|-----------|
| 2.3/4 | 5/16 | 30, 40 | 5425 | 3 | 3 | 5/16 | 30, 40 | 5998 | 3 |
| 2.3/4 | 7/16 | 40 | 5676 | 3 | 3 | 7/16 | 30, 40 | 6291 | 3 |
| 2.3/4 | 1/2 | 45, 60, 90 | 5676 | 3 | 3 | 1/2 | 45, 60, 90 | 6291 | 3 |
| 2.3/4 | 5/8 | 60, 90 | 6291 | 3 | 3 | 5/8 | 60, 90 | 6888 | 3 |

For more details please refer our Product Catalogue Page no. 123.



HSS CONVEX CUTTERS (TYPE-N)

IS: 6323 - 1982

| Dia mm | Width mm | Radius mm | Bore mm | Price Per Piece (Rs.) | MOQ (No.) | Dia mm | Width mm | Radius mm | Bore mm | Price Per Piece (Rs.) | MOQ (No.) |
|--------|----------|-----------|---------|-----------------------|-----------|--------|----------|-----------|---------|-----------------------|-----------|
| 50 | 3.2 | 1.6 | 16 | 5780 | 2 | 80 | 12.6 | 6.3 | 27 | 9522 | 2 |
| 50 | 4 | 2 | 16 | 5780 | 2 | 80 | 16 | 8 | 27 | 10452 ** | 2 |
| 63 | 5 | 2.5 | 22 | 7262 | 2 | 100 | 20 | 10 | 32 | 16041 | 2 |
| 63 | 6 | 3 | 22 | 7262 | 2 | 100 | 24 | 12 | 32 | 17698 | 2 |
| 63 | 6.3 | 3.15 | 22 | 7262 | 2 | 100 | 25 | 12.5 | 32 | 18717 | 2 |
| 63 | 8 | 4 | 22 | 7262 | 2 | 125 | 32 | 16 | 32 | 30934 | 2 |
| 63 | 10 | 5 | 22 | 8005 | 2 | 125 | 40 | 20 | 32 | 37273 | 2 |
| 80 | 12 | 6 | 27 | 9522 | 2 | | | | | | |

For more details please refer our Product Catalogue Page no. 124.

CONVEX CUTTERS (TYPE-N) TO OLD IS SPECIFICATION with the following dimensions and prices :

IS : 6323 - 1971

| Dia mm | Width mm | Radius mm | Bore mm | Price Per Piece (Rs.) | MOQ (No.) | Dia mm | Width mm | Radius mm | Bore mm | Price Per Piece (Rs.) | MOQ (No.) |
|--------|----------|-----------|---------|-----------------------|-----------|--------|----------|-----------|---------|-----------------------|-----------|
| 50 | 3 | 1.5 | 22 | 5780 | 2 | 70 | 16 | 8 | 22 | 9495 | 2 |
| 50 | 3.2 | 1.6 | 22 | 5780 | 2 | 90 | 18 | 9 | 27 | 12695 | 2 |
| 50 | 4 | 2 | 22 | 5780 | 2 | 90 | 20 | 10 | 27 | 13366 | 2 |
| 56 | 5 | 2.5 | 22 | 6843 | 2 | 90 | 22 | 11 | 27 | 14730 | 2 |
| 56 | 6 | 3 | 22 | 6843 | 2 | 90 | 24 | 12 | 27 | 15785 | 2 |
| 63 | 6 | 3 | 22 | 7262 | 2 | 90 | 25 | 12.5 | 27 | 16322 | 2 |
| 63 | 8 | 4 | 22 | 7262 | 2 | 100 | 28 | 14 | 32 | 20133 | 2 |
| 63 | 10 | 5 | 22 | 8005 | 2 | 110 | 32 | 16 | 32 | 25463 | 2 |
| 70 | 12 | 6 | 22 | 8631 | 2 | 110 | 36 | 18 | 32 | 33612 | 2 |
| 70 | 14 | 7 | 22 | 9495 | 2 | 125 | 40 | 20 | 40 | 37273 | 2 |

HSS CONCAVE CUTTERS (TYPE-N)

IS : 6322 - 1982

| Dia mm | Width mm | Radius mm | Bore mm | Price Per Piece (Rs.) | MOQ (No.) | Dia mm | Width mm | Radius mm | Bore mm | Price Per Piece (Rs.) | MOQ (No.) |
|--------|----------|-----------|---------|-----------------------|-----------|--------|----------|-----------|---------|-----------------------|-----------|
| 50 | 8 | 1.6 | 16 | 6900 | 2 | 80 | 24 | 6.3 | 27 | 14315 | 2 |
| 50 | 9 | 2 | 16 | 7217 | 2 | 80 | 32 | 8 | 27 | 16830 | 2 |
| 63 | 10 | 2.5 | 22 | 7919 | 2 | 100 | 36 | 10 | 32 | 23448 | 2 |
| 63 | 12 | 3 | 22 | 8526 | 2 | 100 | 40 | 12 | 32 | 24715 | 2 |
| 63 | 12 | 3.15 | 22 | 8526 | 2 | 100 | 40 | 12.5 | 32 | 24715 | 2 |
| 63 | 16 | 4 | 22 | 8773 | 2 | 125 | 50 | 16 | 32 | 52074 | 2 |
| 63 | 20 | 5 | 22 | 10294 | 2 | 125 | 60 | 20 | 32 | 56594 | 2 |
| 80 | 24 | 6 | 27 | 14226 | 2 | | | | | | |

For more details please refer our Product Catalogue page no. 126.



HSS CONCAVE CUTTERS (TYPE-N) TO OLD IS SPECIFICATION

IS 6322-1971

| Dia mm | Width mm | Radius mm | Bore mm | Price Per Piece (Rs.) | MOQ (No.) | Dia mm | Width mm | Radius mm | Bore mm | Price Per Piece (Rs.) | MOQ (No.) |
|--------|----------|-----------|---------|-----------------------|-----------|--------|----------|-----------|---------|-----------------------|-----------|
| 56 | 8 | 1.5 | 22 | 7262 | 2 | 90 | 40 | 10 | 27 | 22317 | 2 |
| 56 | 8 | 1.6 | 22 | 7262 | 2 | 100 | 42 | 11 | 27 | 26028 | 2 |
| 56 | 9 | 2 | 22 | 7631 | 2 | 100 | 44 | 12 | 27 | 26901 | 2 |
| 56 | 10 | 2.5 | 22 | 7848 | 2 | 100 | 46 | 12.5 | 27 | 27425 | 2 |
| 63 | 14 | 3.5 | 22 | 8789 | 2 | 100 | 50 | 14 | 27 | 30179 | 2 |
| 70 | 24 | 6 | 22 | 12271 | 2 | 125 | 56 | 16 | 32 | 41544 | 2 |
| 70 | 28 | 7 | 22 | 12879 | 2 | 125 | 62 | 18 | 32 | 56594 | 2 |
| 90 | 36 | 9 | 27 | 20112 | 2 | 125 | 70 | 20 | 32 | 59584 | 2 |

HSS CONVEX CUTTERS HSS CONCAVE CUTTERS

BS : 122 (PART 1) 1953

| Dia Inch | D.O.C. Inch | Bore Inch | Price Per Piece (Rs.) | | MOQ (No.) | Dia Inch | D.O.C. Inch | Bore Inch | Price Per Piece (Rs.) | | MOQ (No.) |
|----------|-------------|-----------|-----------------------|---------|-----------|----------|-------------|-----------|-----------------------|---------|-----------|
| | | | Convex | Concave | | | | | Convex | Concave | |
| 2.1/4 | 1/8 | 1 | 6151 | 7262 | 2 | 3 | 3/4 | 1 | 11094 | 16021 | 2 |
| 2.1/4 | 3/16 | 1 | 6559 | 7530 | 2 | 3.1/4 | 13/16 | 1 | 12553 | 19170 | 2 |
| 2.1/4 | 1/4 | 1 | 6854 | 8023 | 2 | 3.1/4 | 7/8 | 1 | 13366 | 19491 | 2 |
| 2.1/2 | 5/16 | 1 | 7262 | 8789 | 2 | 3.1/2 | 15/16 | 1 | 14971 | 22809 | 2 |
| 2.1/2 | 3/8 | 1 | 7738 | 9530 | 2 | 3.1/2 | 1 | 1 | 15659 | 23131 | 2 |
| 2.1/2 | 7/16 | 1 | 8019 | 10294 | 2 | 4 | 1.1/8 | 1.1/4 | 20133 | 28279 | 2 |
| 2.1/2 | 1/2 | 1 | 8634 | 10977 | 2 | 4 | 1.1/4 | 1.1/4 | 22160 | 30179 | 2 |
| 2.3/4 | 9/16 | 1 | 8789 | 12879 | 2 | 4.1/4 | 1-3/8 | 1.1/4 | 30497 | 39768 | 2 |
| 2.3/4 | 5/8 | 1 | 9542 | 13202 | 2 | 4.1/4 | 1-1/2 | 1.1/4 | 32991 | 45573 | 2 |
| 3 | 11/16 | 1 | 10584 | 15774 | 2 | | | | | | |

For more details please refer our Product Catalogue pages no. 125 & 127.

HSS SINGLE CORNER ROUNDING CUTTERS (RH CUTTERS AND TYPE-N)

IS : 6314 - 1982

| Dia mm | Width mm | Radius mm | Bore mm | Price Per Piece (Rs.) | MOQ (No.) | Dia mm | Width mm | Radius mm | Bore mm | Price Per Piece (Rs.) | MOQ (No.) |
|--------|----------|-----------|---------|-----------------------|-----------|--------|----------|-----------|---------|-----------------------|-----------|
| 50 | 5 | 1.6 | 16 | 5845 | 2 | 80 | 12 | 6.3 | 27 | 10246 | 2 |
| 50 | 5 | 2 | 16 | 5845 | 2 | 80 | 16 | 8 | 27 | 11028 | 2 |
| 63 | 5 | 2.5 | 22 | 7103 | 2 | 100 | 18 | 10 | 32 | 21820 | 2 |
| 63 | 6 | 3 | 22 | 7103 | 2 | 100 | 20 | 12 | 32 | 22751 | 2 |
| 63 | 6 | 3.15 | 22 | 7103 | 2 | 100 | 20 | 12.5 | 32 | 22751 | 2 |
| 63 | 8 | 4 | 22 | 7432 | 2 | 125 | 24 | 16 | 32 | 30708 | 2 |
| 63 | 10 | 5 | 22 | 7919 | 2 | 125 | 28 | 20 | 32 | 35655 | 2 |
| 80 | 12 | 6 | 27 | 10246 | 2 | | | | | | |

For more details please refer our Product Catalogue page no. 125.



**HSS SINGLE CORNER ROUNDING CUTTERS (RH CUTTERS AND TYPE-N)
TO OLD IS SPECIFICATION**

IS : 6314 - 1971

| Dia mm | Corner Radius mm | Width mm | Bore mm | Price Per Piece (Rs.) | MOQ (No.) | Dia mm | Corner Radius mm | Width mm | Bore mm | Price Per Piece (Rs.) | MOQ (No.) |
|--------|------------------|----------|---------|-----------------------|-----------|--------|------------------|----------|---------|-----------------------|-----------|
| 56 | 1.6 | 4 | 22 | 6151 | 2 | 100 | 11 | 21 | 27 | 23455 | 2 |
| 56 | 2.0 | 4.5 | 22 | 6151 | 2 | 100 | 12 | 22 | 27 | 23455 | 2 |
| 56 | 2.5 | 5 | 22 | 6151 | 2 | 100 | 12.5 | 22 | 27 | 23455 | 2 |
| 63 | 3.5 | 7 | 22 | 7432 | 2 | 100 | 14 | 25 | 27 | 24843 | 2 |
| 70 | 6.0 | 12 | 22 | 8469 | 2 | 100 | 16 | 28 | 32 | 26698 | 2 |
| 70 | 7.0 | 14 | 22 | 8898 | 2 | 100 | 18 | 31 | 32 | 34123 | 2 |
| 90 | 9.0 | 18 | 27 | 13314 | 2 | 125 | 20 | 35 | 32 | 36290 | 2 |
| 90 | 10.0 | 20 | 27 | 14464 | 2 | | | | | | |

**HSS SINGLE CORNER ROUNDING CUTTERS
HSS DOUBLE CORNER ROUNDING CUTTERS**

BS : 122 (PART 1) 1953

| Dia Inch | Corner Radius Inch | Bore Inch | Price Per Piece (Rs.) | | MOQ (No.) | Dia Inch | Corner Radius Inch | Bore Inch | Price Per Piece (Rs.) | | MOQ (No.) |
|----------|--------------------|-----------|-----------------------|---------------|-----------|----------|--------------------|-----------|-----------------------|---------------|-----------|
| | | | Single Corner | Double Corner | | | | | Single Corner | Double Corner | |
| 2.1/4 | 1/16 | 1 | 6445 | 9109 | 2 | 3 | 3/8 | 1 | 10671 | 15209 | 2 |
| 2.1/4 | 3/32 | 1 | 6445 | 9109 | 2 | 3.1/4 | 13/32 | 1 | 12086 | 17463 | 2 |
| 2.1/4 | 1/8 | 1 | 6445 | 9109 | 2 | 3.1/4 | 11/16 | 1 | 12086 | 17463 | 2 |
| 2.1/2 | 5/32 | 1 | 7262 | 10246 | 2 | 3.1/2 | 15/32 | 1 | 14364 | 21086 | 2 |
| 2.1/2 | 3/16 | 1 | 7262 | 10246 | 2 | 3.1/2 | 1/2 | 1 | 14364 | 21086 | 2 |
| 2.1/2 | 7/32 | 1 | 7676 | 10978 | 2 | 3.1/2 | 9/16 | 1 | 15815 | 23587 | 2 |
| 2.1/2 | 1/4 | 1 | 7676 | 10978 | 2 | 3.1/2 | 5/8 | 1 | 15815 | 23587 | 2 |
| 2.3/4 | 9/32 | 1 | 9005 | 13062 | 2 | 3.3/4 | 11/16 | 1 | 23264 | 33324 | 2 |
| 2.3/4 | 5/16 | 1 | 9005 | 13062 | 2 | 3.3/4 | 3/4 | 1 | 23264 | 33324 | 2 |
| 3 | 11/32 | 1 | 10671 | 15210 | 2 | | | | | | |

For more details please refer our Product Catalogue page nos. 129 & 130.



HSS INVOLUTE GEAR CUTTERS

14.1/2 & 20 DEG PA

BS : 2518 - 1954

| Module mm | Price Per Piece (Rs.) | | | | | | |
|-----------|-----------------------|---------|------------|------------|------------|------------|-----------|
| | 22 mm Bore | 1" Bore | 27 mm Bore | 32 mm Bore | 40 mm Bore | 50 mm Bore | MOQ (No.) |
| 0.5 | - | 3886 | - | - | - | - | 2 |
| 0.75 | - | 3886 | - | - | - | - | 2 |
| 1 | 3886 | 3886 | - | - | - | - | 2 |
| 1.25 | 4082 | | - | - | - | - | 2 |
| 1.5 | 4460 | 4460 | - | - | - | - | 2 |
| 1.75 | 4460 | | 5006 | 5685 | - | - | 2 |
| 2 | - | 5006 | 5006 | 5685 | - | - | 2 |
| 2.25 | - | 5006 | 5006 | 5685 | - | - | 2 |
| 2.5 | - | 5521 | 5521 | 6429 | - | - | 2 |
| 2.75 | - | 5521 | 5521 | 6429 | - | - | 2 |
| 3 | - | 5962 | 5962 | 7531 | - | - | 2 |
| 3.25 | - | | 6267 | 7932 | - | - | 2 |
| 3.5 | - | 6587 | 6587 | 8077 | - | - | 2 |
| 3.75 | - | | 7446 | 8824 | - | - | 2 |
| 4 | - | 7446 | 7446 | 8364 | - | - | 2 |
| 4.5 | - | - | 8912 | 11066 | - | - | 2 |
| 5 | - | - | 9359 | 11238 | - | - | 2 |
| 5.5 | - | - | 11238 | 12526 | - | - | 2 |
| 6 | - | - | 14039 | 14249 | - | - | 2 |
| 6.5 | - | - | 16047 | 16950 | - | - | 2 |
| 7 | - | - | | 17828 | - | - | 2 |
| 8 | - | - | - | 20565 | - | - | 2 |
| 9 | - | - | - | 31580 | 31580 | 36000 | 2 |
| 10 | - | - | - | 34533 | 35795 | 38732 | 2 |
| 11 | - | - | - | 37480 | 41186 | 43175 | 2 |
| 12 | - | - | - | 39877 | 43175 | 45486 | 2 |
| 14 | - | - | - | 50227 | 51209 | 56335 | 2 |
| 16 | - | - | - | - | - | 70545 | 2 |

For more details please refer our Product Catalogue page no. 131.



HSS INVOLUTE GEAR CUTTERS 14.1/2 & 20 DEG PA

BS : 2518 - 1954

| D.P. No. | Price Per Piece (Rs.) | | | | | D.P. No. | Price Per Piece (Rs.) | | | | |
|----------|-----------------------|-------|-------|-------|-----|----------|-----------------------|-------|-------|------|-----|
| | Bore in Inch | | | | | | Bore in Inch | | | | |
| | 2 | 1.1/2 | 1.1/4 | 1 | MOQ | | 2 | 1.1/2 | 1.1/4 | 1 | MOQ |
| 1.5 | 70545 | - | - | - | 2 | 11 | - | - | 5685 | 5006 | 2 |
| 1.75 | 56334 | 56334 | 50943 | - | 2 | 12 | - | - | - | 4933 | 2 |
| 2 | 45486 | 43175 | 39877 | - | 2 | 13 | - | - | - | 4460 | 2 |
| 2.25 | 43175 | 41186 | 37480 | - | 2 | 14 | - | - | - | 4460 | 2 |
| 2.5 | 38732 | 35795 | 34533 | - | 2 | 15 | - | - | - | 4460 | 2 |
| 2.75 | 36000 | 31580 | 31580 | - | 2 | 16 | - | - | - | 4085 | 2 |
| 3 | - | - | 20565 | - | 2 | 18 | - | - | - | 4085 | 2 |
| 4 | - | - | 14249 | 14039 | 2 | 20 | - | - | - | 3886 | 2 |
| 5 | - | - | 11238 | 9359 | 2 | 22 | - | - | - | 3886 | 2 |
| 6 | - | - | 8360 | 7446 | 2 | 24 | - | - | - | 3886 | 2 |
| 7 | - | - | 8077 | 6587 | 2 | 26 | - | - | - | 3886 | 2 |
| 8 | - | - | 7533 | 5962 | 2 | 28 | - | - | - | 3886 | 2 |
| 9 | - | - | 6429 | 5521 | 2 | 30 | - | - | - | 3632 | 2 |
| 10 | - | - | 6308 | 5466 | 2 | | | | | | |

STANDARD CUTTERS GROUP

(8 CUTTERS)

| Cutters Group | Inclusive Range of Teeth/For Spur Gears | Cutters Group | Inclusive Range of Teeth/For Spur Gears |
|---------------|-----------------------------------------|---------------|-----------------------------------------|
| 1 | 135 to Rack | 5 | 21 to 25 |
| 2 | 55 to 134 | 6 | 17 to 20 |
| 3 | 35 to 54 | 7 | 14 to 16 |
| 4 | 26 to 34 | 8 | 12 & 13 |

For more details please refer our Product Catalogue page nos. 134 & 135.

HSS ROTARY FORM CUTTERS FOR ROLLER CHAIN WHEELS

BS : 228 - 1962

| Pitch Inch | Roller Dia Inch | Price Per Piece (Rs.) | | | MOQ (No.) | Pitch Inch | Roller Dia Inch | Price Per Piece (Rs.) | | | MOQ (No.) |
|------------|-----------------|-----------------------|-------|-------|-----------|------------|-----------------|-----------------------|-------|-------|-----------|
| | | Cutter No | | | | | | Cutter No | | | |
| | | 1 | 2 | 3 | | | 1 | 2 | 3 | | |
| 0.315 | 0.197 | 10280 | 10280 | 10280 | 2 | 0.75 | 0.475 | 17982 | 17982 | 18295 | 2 |
| 0.375 | 0.25 | 10152 | 10660 | 10660 | 2 | 1 | 0.625 | 34853 | 34853 | 33965 | 2 |
| 0.5 | 0.305 | 12042 | 12042 | 12042 | 2 | 1.25 | 0.75 | 40879 | 37809 | 37809 | 2 |
| 0.5 | 0.335 | 12042 | 12042 | 12042 | 2 | 1.5 | 1 | 41162 | 40879 | 42484 | 2 |
| 0.625 | 0.325 | 12042 | 12042 | 12042 | 2 | 1.75 | 1.1 | 55605 | 54976 | 54605 | 2 |
| 0.625 | 0.4 | 13495 | 13495 | 13495 | 2 | 2 | 1.15 | 81443 | 74910 | 72766 | 2 |

Cutter No.

1 - to Cut 9 to 12 Teeth, 2. - to cut 13 to 19 Teeth, 3. to cut 20 Teeth and above

Recommended Standard Bores: Up to 0.75" Pitch - 1",

1" to 1.5" Pitch - 1-1/4, 1.75" & 2 - 1-3/4"

For more details please refer our Product Catalogue page nos. 136 & 137.



HSS SHELL END MILLS RH HELICAL FLUTES FOR RH CUTTING WITH TOOL TYPE-N

IS : 6257 - 1982

| Dia mm | Length mm | Bore mm | Price Per Piece (Rs.) | MOQ (No.) | Dia mm | Length mm | Bore mm | Price Per Piece (Rs.) | MOQ (No.) |
|--------|-----------|---------|-----------------------|-----------|--------|-----------|---------|-----------------------|-----------|
| 40 | 32 | 16 | 7474 | 4 | 100 | 50 | 32 | 26993 | 3 |
| 50 | 36 | 22 | 9093 ** | 4 | 125 | 56 | 40 | 45258 | 3 |
| 63 | 40 | 27 | 11966 ** | 4 | 160 | 63 | 50 | 85416 | 3 |
| 80 | 45 | 27 | 17682 | 3 | | | | | |

HSS SHELL END MILLS RH HELICAL FLUTES FOR RH CUTTING

BS : 122 (PART 1) 1953

| Dia Inch | Length Inch | Bore Inch | Price Per Piece (Rs.) | MOQ (No.) | Dia Inch | Length Inch | Bore Inch | Price Per Piece (Rs.) | MOQ (No.) |
|----------|-------------|-----------|-----------------------|-----------|----------|-------------|-----------|-----------------------|-----------|
| 1.1/4 | 1 | 1/2 | 5142 | 4 | 3 | 1.3/4 | 1.1/4 | 15774 | 4 |
| 1.1/2 | 1.1/8 | 1/2 | 6291 | 4 | 3.1/2 | 1.7/8 | 1.1/4 | 19668 | 3 |
| 1.3/4 | 1.1/4 | 3/4 | 7474 | 4 | 4 | 2.1/4 | 1.1/2 | 28927 | 3 |
| 2 | 1.3/8 | 3/4 | 8496 | 4 | 4.1/2 | 2.1/4 | 1.1/2 | 34679 | 3 |
| 2.1/4 | 1.1/2 | 1 | 10246 | 4 | 5 | 2.1/4 | 1.1/2 | 45258 | 3 |
| 2.1/2 | 1.5/8 | 1 | 11917 | 4 | 5.1/2 | 2.1/4 | 2 | 52940 | 3 |
| 2.3/4 | 1.5/8 | 1 | 13550 | 4 | 6 | 2.1/4 | 2 | 61057 | 3 |

For more details please refer our Product Catalogue Page no. 138.

HSS FACE CUTTERS RH HELICAL FLUTES FOR RH CUTTING

BS : 122 (PART 1) 1953

| Dia Inch | Length Inch | Bore Inch | Price Per Piece (Rs.) | MOQ (No.) | Dia Inch | Length Inch | Bore Inch | Price Per Piece (Rs.) | MOQ (No.) |
|----------|-------------|-----------|-----------------------|-----------|----------|-------------|-----------|-----------------------|-----------|
| 1.3/4 | 1.1/4 | 3/4 | 6447 | 4 | 3 | 1.11/16 | 1.1/8 | 13438 | 4 |
| 2 | 1.1/4 | 3/4 | 7432 | 4 | 4 | 1.3/4 | 1.1/8 | 22475 | 3 |
| 2.1/2 | 1.1/4 | 3/4 | 9387 | 4 | 5 | 2 | 1.1/2 | 37809 | 3 |

For more details please refer our Product Catalogue Page no. 140.

HSS HOLLOW MILLS RH HELICAL FLUTES FOR RH CUTTING

BS : 122 (PART 1) 1953

| Bore Dia Inch | O.S. Dia Inch | Price Per Piece (Rs.) | MOQ (No.) | Bore Dia Inch | O.S. Dia Inch | Price Per Piece (Rs.) | MOQ (No.) |
|---------------|---------------|-----------------------|-----------|---------------|---------------|-----------------------|-----------|
| 1/4 | 5/8 | 3416 | 5 | 5/8 | 1.1/4 | 8147 | 5 |
| 9/32 | 3/4 | 4073 | 5 | 11/16 | 1.1/2 | 8147 | 5 |
| 5/16 | 3/4 | 4073 | 5 | 3/4 | 1.1/2 | 6522 | 5 |
| 11/32 | 3/4 | 4073 | 5 | 13/16 | 1.1/2 | 6522 | 5 |
| 3/8 | 1 | 4416 | 5 | 7/8 | 1.3/4 | 8147 | 5 |
| 7/16 | 1 | 6522 | 5 | 15/16 | 1.3/4 | 8147 | 5 |
| 1/2 | 1 | 6522 | 5 | 1 | 1.3/4 | 8147 | 5 |
| 9/16 | 1.1/4 | 8147 | 5 | | | | |

For more details please refer our Product Catalogue Page no. 118



**HSS WOODRUFF KEYSLOT CUTTERS TYPE 'A'
STRAIGHT TEETH**

IS : 2669 - 1971

| Dia mm | Width mm | Price Per Piece (Rs.) | MOQ (No.) | Dia mm | Width mm | Price Per Piece (Rs.) | MOQ (No.) | Dia mm | Width mm | Price Per Piece (Rs.) | MOQ (No.) |
|--------|----------|-----------------------|-----------|--------|----------|-----------------------|-----------|--------|----------|-----------------------|-----------|
| 10.5 | 2 | 2032 | 35 | 16.5 | 5 | 2829 ** | 30 | 28.5 | 6 | 5933 ** | 15 |
| 10.5 | 2.5 | 2032 | 35 | 19.5 | 4 | 3216 | 30 | 28.5 | 8 | 5933 | 15 |
| 10.5 | 3 | 2032 | 35 | 19.5 | 5 | 3216 | 30 | 28.5 | 10 | 5933 | 15 |
| 13.5 | 3 | 2540 | 30 | 19.5 | 6 | 3656 ** | 30 | 32.5 | 7 | 7016 | 10 |
| 13.5 | 4 | 2540 ** | 30 | 22.5 | 5 | 3656 | 25 | 32.5 | 8 | 7016 | 10 |
| 16.5 | 3 | 2829 ** | 30 | 22.5 | 6 | 3656 ** | 25 | 32.5 | 10 | 7016 | 10 |
| 16.5 | 4 | 2829 | 30 | 22.5 | 8 | 3656 | 25 | 45.5 | 10 | 11916 | 10 |

For more details please refer our Product Catalogue Page no. 115.

HSS CUTTERS FOR WOODRUFF KEYSEATS

BS : 122 (PART 1) 1953

| B.S. No. | Price Per Piece (Rs.) | MOQ (No.) | B.S. No. | Price Per Piece (Rs.) | MOQ (No.) | B.S. No. | Price Per Piece (Rs.) | MOQ (No.) |
|----------|-----------------------|-----------|----------|-----------------------|-----------|----------|-----------------------|-----------|
| 204 | 2167 | 30 | 607 | 4141 | 25 | 1210 | 7330 | 10 |
| 304 | 2167 | 30 | 807 | 4141 | 25 | 1011 | 8920 | 10 |
| 404 | 2167 | 30 | 608 | 5005 ** | 25 | 1211 | 8920 | 10 |
| 305 | 3004 | 30 | 808 | 5005 | 25 | 812 | 10078 | 10 |
| 405 | 3004 | 30 | 1008 | 5005 | 25 | 1012 | 10078 | 10 |
| 505 | 3004 | 30 | 609 | 6193 | 15 | 1212 | 10078 | 10 |
| 406 | 3527 | 30 | 809 | 6193 ** | 15 | | | |
| 506 | 3527 | 30 | 1009 | 6193 | 15 | | | |
| 606 | 3527 | 30 | 810 | 7330 ** | 10 | | | |
| 507 | 4141 | 25 | 1010 | 7330 | 10 | | | |

For more details please refer our Product Catalogue Pages no. 156 & 157.



**HSS 'T' SLOT CUTTERS WITH TAPER SHANK
RH CUTTERS - TOOL TYPE-N**

IS : 2668 - 2004

| Nom Size of T - Slot | Dia of Cutter | Price Per Piece (Rs.) | MOQ (No.) | Nom Size of T - Slot | Dia of Cutter | Price Per Piece (Rs.) | MOQ (No.) |
|----------------------|---------------|-----------------------|-----------|----------------------|---------------|-----------------------|-----------|
| 10 | 18 | 7729 | 20 | 22 | 40 | 27090 | 15 |
| 12 | 21 | 8445 | 20 | 28 | 50 | 35117 | 10 |
| 14 | 25 | 16234 | 20 | 36 | 60 | 63284 | 5 |
| 18 | 32 | 20327 | 15 | 42 | 72 | 76800 | 3 |

**HSS 'T' SLOT CUTTERS
RH CUTTERS - TOOL TYPE-N**

BS : 122 (PART 1) 1953

| Dia Inch | Length Inch | Price Per Piece (Rs.) | MOQ (No.) | Dia Inch | Length Inch | Price Per Piece (Rs.) | MOQ (No.) |
|----------|-------------|-----------------------|-----------|----------|-------------|-----------------------|-----------|
| 1/4 | 37/64 | 6209 | 20 | 7/8 | 1-45/64 | 23234 | 15 |
| 5/16 | 45/64 | 7003 | 20 | 1 | 1-61/64 | 28773 | 10 |
| 3/8 | 53/64 | 7656 | 20 | 1-1/8 | 2-1/8 | 37141 | 5 |
| 7/16 | 61/64 | 8115 | 20 | 1-1/4 | 2-5/16 | 44184 | 5 |
| 1/2 | 1-5/64 | 9803 | 20 | 1-3/8 | 2-1/2 | 54536 | 5 |
| 5/8 | 1-21/64 | 15867 | 15 | 1-1/2 | 2-3/4 | 69824 | 3 |
| 3/4 | 1-33/64 | 19702 | 15 | | | | |

For more details please refer our Product Catalogue page nos. 159 & 160



HSS TAPER SHANK COUNTER BORES

IS : 5710-1988

| Dia mm | Price Per Piece (Rs.) | MOQ (No.) | Dia mm | Price Per Piece (Rs.) | MOQ (No.) | Dia mm | Price Per Piece (Rs.) | MOQ (No.) |
|--------|-----------------------|-----------|--------|-----------------------|-----------|--------|-----------------------|-----------|
| 13.5 | 4385 | 15 | 28 | 14748 | 15 | 43 | 28481 | 10 |
| 14.5 | 4903 | 15 | 29 | 15547 | 15 | 46 | 32428 | 10 |
| 16.5 | 5626 | 15 | 31 | 16949 | 15 | 48 | 35199 | 3 |
| 17.5 | 6051 | 15 | 33 | 19418 | 10 | 51 | 39734 | 3 |
| 19.5 | 7146 | 15 | 34 | 20702 | 10 | 53 | 43169 | 3 |
| 20 | 7492 ** | 15 | 36 | 22499 | 10 | 55 | 47519 | 3 |
| 22 | 8574 ** | 15 | 37 | 23446 | 10 | 57 | 52210 | 3 |
| 23 | 9843 | 15 | 39 | 25404 | 10 | 59 | 57851 | 3 |
| 25 | 11916 | 15 | 41 | 27550 | 10 | 61 | 64453 | 3 |
| 26 | 13206 ** | 15 | | | | | | |

Tools without Pilot will be supplied as Standard, unless specific Pilot size is given.

HSS TAPER SHANK COUNTER BORES

IS : 5710-1988

| Dia Inch | Pilot Dia Inch | Price Per Piece (Rs.) | MOQ (No.) | Dia Inch | Pilot Dia Inch | Price Per Piece (Rs.) | MOQ (No.) | Dia Inch | Pilot Dia Inch | Price Per Piece (Rs.) | MOQ (No.) |
|----------|----------------|-----------------------|-----------|----------|----------------|-----------------------|-----------|----------|----------------|-----------------------|-----------|
| 1/4 | 1/8 | 2603 | 15 | 11/16 | 7/16 | 6051 | 15 | 1-1/4 | 3/4 | 16949 | 15 |
| 5/16 | 3/16 | 2959 | 15 | 3/4 | 1/2 | 6802 | 15 | 1-3/8 | 13/16 | 20702 | 10 |
| 3/8 | 7/32 | 3303 | 15 | 13/16 | 9/16 | 7542 | 15 | 1-1/2 | 7/8 | 24048 | 10 |
| 7/16 | 1/4 | 3417 | 15 | 7/8 | 5/8 | 8574 ** | 15 | 1-5/8 | 15/16 | 27564 | 10 |
| 1/2 | 5/16 | 3846 | 15 | 15/16 | 5/8 | 10078 | 15 | 1-3/4 | 1 | 31229 | 10 |
| 9/16 | 3/8 | 4783 | 15 | 1 | 3/4 | 11916 | 15 | 1-7/8 | 1 1/8 | 34689 | 3 |
| 5/8 | 7/16 | 5341 | 15 | 1-1/8 | 3/4 | 14747 | 15 | 2 | 1 1/4 | 38306 | 3 |

Size 9/16" Dia and above will be supplied with detachable pilots.

For more details please refer our Product Catalogue page nos. 88 & 89.

HSS COUNTERSINKS WITH RH CUTTING AND STRAIGHT FLUTES TAPER SHANK (60 or 90 Degrees)

BS : 122 (PART 2) 1964

| Dia Inch | Price Per Piece (Rs.) | MOQ (No.) | Dia Inch | Price Per Piece (Rs.) | MOQ (No.) | Dia Inch | Price Per Piece (Rs.) | MOQ (No.) |
|----------|-----------------------|-----------|----------|-----------------------|-----------|----------|-----------------------|-----------|
| 1/2 | 2886 ** | 15 | 1-1/8 | 8921 | 15 | 2 | 26807 ** | 3 |
| 5/8 | 3834 ** | 15 | 1-1/4 | 11229 ** | 15 | 2 1/4 | 30393 | 3 |
| 3/4 | 4345 ** | 15 | 1-3/8 | 13128 | 10 | 2 1/2 | 37717 ** | 3 |
| 7/8 | 5487 | 15 | 1-1/2 | 15558 ** | 10 | 2 3/4 | 44519 | 3 |
| 1 | 6901 ** | 15 | 1-3/4 | 23005 ** | 10 | 3 | 53840 | 3 |

For more details please refer our Product Catalogue Page no. 94.





End Mills



HSS END MILLS PARALLEL SHANK
HSS END MILLS TAPER SHANK (TANGED END)
HSS SLOT DRILLS PARALLEL SHANK
HSS SLOT DRILLS TAPER SHANK (TANGED END)

IS: 6353 - 1991
IS: 6354 - 1971
IS: 6352 - 1991
IS: 6388 - 1971

| Dia mm | Price Per Piece (Rs.) | | | | | | | |
|-----------|-----------------------|--------------|-------------|--------------|-------------------|--------------|-------------|--------------|
| | M2 END MILLS | | | | M2 SLOT MILLS | | | |
| | Parallel Shank | MOQ (No.) | Taper Shank | MOQ (No.) | Parallel Shank | MOQ (No.) | Taper Shank | MOQ (No.) |
| 3 | 931 * | 50 | 1551 | 25 | 1131 ** | 50 | 1729 | 25 |
| 4 | 931 * | 50 | 1551 | 25 | 1131 * | 50 | 1729 | 25 |
| 5 | 931 * | 50 | 1551 | 25 | 1131 ** | 50 | 1729 | 25 |
| 6 | 1040 * | 50 | 1551 | 25 | 1209 * | 50 | 1729 | 25 |
| 7 | 1170 ** | 50 | 1551 | 25 | 1209 ** | 35 | 1729 | 25 |
| 8 | 1170 * | 50 | 1551 | 25 | 1209 * | 35 | 1901 | 25 |
| 9 | 1170 ** | 35 | 1678 | 25 | 1209 | 35 | 1901 | 25 |
| 10 | 1170 * | 35 | 1678 | 25 | 1257 * | 35 | 1940 | 25 |
| 11 | 1170 ** | 35 | 1845 | 25 | 1257 | 35 | 1940 | 25 |
| 12 | 1209 * | 35 | 1845 | 25 | 1371 ** | 35 | 2165 | 25 |
| 13 | 1369 ** | 35 | 2550 | 25 | | | | |
| 14 | 1499 * | 35 | 2550 | 25 | 1754 ** | 35 | 2717 | 25 |
| 15 | 1754 ** | 35 | 2717 | 25 | 1972 ** | 35 | 2819 | 25 |
| 16 | 1754 * | 35 | 2717 | 25 | 1972 ** | 35 | 2819 | 25 |
| 17 | 1915 ** | 35 | 3316 | 20 | | | | |
| 18 | 2129 * | 35 | 3316 | 20 | 2427 ** | 35 | 3234 | 25 |
| 19 | 2129 ** | 35 | 3830 | 20 | | | | |
| 20 | 2356 * | 35 | 3830 | 20 | 2427 ** | 25 | 3234 | 20 |
| 21 | 2643 | 35 | 4019 | 20 | 2830 | 25 | 4016 | 20 |
| 22 | 2673 * | 35 | 4019 | 20 | 2830 | 25 | 4016 | 20 |
| 23 | 2899 | 30 | 4383 | 20 | 3357 | 25 | 4783 | 20 |
| 24 | 2899 ** | 30 | 4735 | 20 | 3357 | 25 | 4783 | 20 |
| 25 | 3116 * | 30 | 4735 | 20 | 3357 | 25 | 4783 | 20 |
| 26 | 3232 | 20 | 5897 | 15 | 4782 | 20 | 6601 | 20 |
| 27 | 3803 | 20 | 6592 | 15 | | | | |
| 28 | 4436 ** | 20 | 6592 | 15 | | | 6992 | 20 |
| 29 | 4436 | 20 | 7251 | 15 | | | | |
| 30 | 4881 * | 20 | 7251 | 15 | 5830 ** | 20 | 8385 | 20 |
| 31 | 5322 | 20 | 7700 | 15 | | | | |
| 32 | 5328 | 20 | 7699 | 15 | 5830 ** | 20 | 8385 | 20 |
| 33 | 5899 | 15 | 9309 | 10 | | | | |

For more details please refer our Product Catalogue Pages 143 to 155.



HSS END MILLS PARALLEL SHANK
HSS END MILLS TAPER SHANK (TANGED END)
HSS SLOT DRILLS PARALLEL SHANK
HSS SLOT DRILLS TAPER SHANK (TANGED END)

IS: 6353 - 1991
IS: 6354 - 1971
IS: 6352 - 1991
IS: 6388 - 1971

| Dia mm | Price Per Piece (Rs.) | | | | | | | |
|-----------|-----------------------|--------------|-------------|--------------|-------------------|--------------|-------------|--------------|
| | M2 END MILLS | | | | M2 SLOT MILLS | | | |
| | Parallel Shank | MOQ (No.) | Taper Shank | MOQ (No.) | Parallel Shank | MOQ (No.) | Taper Shank | MOQ (No.) |
| 34 | 6432 | 15 | 10211 | 10 | 7011 | 15 | 10863 | 15 |
| 35 | 6432 ** | 15 | 10211 | 10 | 7011 | 15 | 10863 | 15 |
| 36 | 7011 ** | 15 | 11191 | 10 | 7528 | 15 | 12668 | 15 |
| 37 | 7556 | 15 | 12204 | 10 | | | | |
| 38 | 8053 | 15 | 12204 | 10 | 8119 | 15 | 12668 | 15 |
| 39 | 8544 | 15 | 14188 | 10 | | | | |
| 40 | 9072 ** | 15 | 14188 | 10 | 8691 | 7 | 14458 | 10 |
| 41 | 9072 | 10 | 14188 | 10 | 9829 | 7 | | |
| 42 | 10326 | 10 | 15600 | 10 | 9829 | 7 | | |
| 43 | 10326 | 10 | 15600 | 10 | 10927 | 7 | | |
| 44 | | 10 | 16300 | 10 | 10927 | 7 | | |
| 45 | 11570 | 10 | 17530 | 10 | 10927 | 7 | | |
| 46 | 11570 | 10 | 17941 | 5 | 12134 | 7 | | |
| 47 | 12729 | 5 | 18585 | 5 | 12134 | 7 | | |
| 48 | 12729 | 5 | 18585 | 5 | 12134 | 7 | | |
| 49 | 12729 | 5 | 20900 | 5 | 13305 | 7 | | |
| 50 | 14001 ** | 5 | 20900 | 5 | 13305 | 7 | | |
| 51 | 14001 | 5 | 20900 | 4 | | | | |
| 52 | 17234 | 5 | 29283 | 4 | | | | |
| 53 | 17234 | 5 | 29283 | 4 | | | | |
| 54 | 20420 | 5 | 36998 | 4 | | | | |
| 55 | 24553 | 5 | 36998 | 4 | | | | |
| 56 | 24553 | 5 | 36998 | 4 | | | | |
| 57 | 28554 | 5 | 38833 | 4 | | | | |
| 58 | 28554 | 5 | 38833 | 4 | | | | |
| 59 | 28554 | 5 | 38833 | 4 | | | | |
| 60 | 30488 | 5 | 38833 | 4 | | | | |
| 61 | 30488 | 5 | 46563 | 4 | | | | |
| 62 | 31204 | 5 | 46563 | 4 | | | | |
| 63 | 31738 | 5 | 46563 | 4 | | | | |

For more details please refer our Product Catalogue Pages 143 to 155.


HSS PARALLEL SHANK END MILLS / SLOT DRILLS
BS - 122 (PART 1) 1953
HSS TAPER SHANK END MILLS / SLOT DRILLS (TANGED END)

| Dia mm | Price Per Piece (Rs.) | | | | | | | |
|--------|-----------------------|-----------|-------------|-----------|----------------|-----------|-------------|-----------|
| | M2 END MILLS | | | | M2 SLOT MILLS | | | |
| | Parallel Shank | MOQ (No.) | Taper Shank | MOQ (No.) | Parallel Shank | MOQ (No.) | Taper Shank | MOQ (No.) |
| 1/8 | 931 | 50 | 1446 | 25 | 1131 | 50 | 1553 | 25 |
| 5/32 | 931 | 50 | 1446 | 25 | 1131 | 50 | 1553 | 25 |
| 3/16 | 931 ** | 50 | 1446 | 25 | 1131 | 50 | 1553 | 25 |
| 7/32 | 933 | 50 | 1483 | 25 | 1206 | 50 | 1701 | 25 |
| 1/4 | 1040 ** | 50 | 1483 | 25 | 1209 | 50 | 1791 | 25 |
| 9/32 | 1071 | 50 | 1483 | 25 | | | | |
| 5/16 | 1170 ** | 50 | 1483 | 25 | 1209 | 35 | 1901 | 25 |
| 3/8 | 1170 ** | 35 | 1611 | 25 | 1209 | 35 | 1901 | 25 |
| 7/16 | 1170 | 35 | 1634 | 25 | 1235 | 35 | 1940 | 25 |
| 1/2 | 1209 ** | 35 | 1845 | 25 | 1371 | 35 | 2165 | 25 |
| 9/16 | 1499 | 35 | 2550 | 25 | 1754 | 35 | 2717 | 25 |
| 5/8 | 1754 ** | 35 | 2717 | 25 | 1972 | 35 | 2819 | 25 |
| 11/16 | 1962 | 35 | 3063 | 20 | 2231 | 35 | 3068 | 25 |
| 3/4 | 2129 ** | 35 | 3234 | 20 | 2427 | 25 | 3234 | 20 |
| 13/16 | 2356 | 35 | 3676 | 20 | 2830 | 25 | 4016 | 20 |
| 7/8 | 2673 | 35 | 4024 | 20 | 2830 | 25 | 4016 | 20 |
| 15/16 | | | 4367 | 20 | | | | |
| 1 | 3116 | 30 | 4700 | 20 | 3357 | 25 | 4783 | 20 |
| 1-1/8 | 4436 | 15 | 6551 | 15 | 4782 | 20 | 6992 | 20 |
| 1-1/4 | 5326 | 15 | 7700 | 15 | 5830 | 20 | 8385 | 20 |
| 1-3/8 | 6432 | 10 | 10211 | 10 | 7011 | 15 | 10863 | 15 |
| 1-1/2 | 7528 | 10 | 12204 | 10 | 8119 | 15 | 12668 | 15 |
| 1-5/8 | 9072 | 10 | 14188 | 10 | 10051 | 7 | - | |
| 1-3/4 | 11570 | 5 | 16300 | 10 | 10927 | 7 | - | |
| 1-7/8 | 12758 | 5 | 18585 | 5 | 12134 | 7 | - | |
| 2 | 13970 | 5 | 20900 | 5 | 13304 | 7 | - | |
| 2-1/16 | 17234 | 5 | | | | | - | |
| 2-1/8 | 20420 | 5 | 28960 | 5 | | | - | |
| 2-3/16 | 24553 | 5 | | | | | - | |
| 2-1/4 | 26562 | 5 | 36998 | | | | - | |
| 2-5/16 | 28554 | 5 | | | | | - | |
| 2-3/8 | 30488 | 5 | 40375 | | | | - | |
| 2-1/2 | 34374 | 5 | 43114 | | | | - | |

For More details refer our Product Catalogue Pages 143 to 155.



**M42 PARALLEL SHANK END MILLS
BS 122 – PART I – 1953**

IS - 6353-1991

| Size | | Price Per Piece (Rs.) | | | MOQ (No.) | Size | | Price Per Piece (Rs.) | | | MOQ (No.) |
|---------|-------|-----------------------|-------|----|--------------|--------|-------|-----------------------|----|--|--------------|
| mm | Inch | CC | CCTC | mm | | Inch | CC | CCTC | | | |
| 3 | | 1780 | 2094 | 15 | 31 | | 13475 | 15859 | 10 | | |
| (3.17) | 1/8 | 1780 | 2094 | 15 | (31.75) | 1.1/4 | 13475 | 15859 | 10 | | |
| (3.97) | 5/32 | 1780 | 2094 | 15 | 32 | | 13475 | 15859 | 10 | | |
| 4 | | 1780 | 2094 | 15 | 33 | | 13475 | 15859 | 10 | | |
| (4.76) | 3/16 | 1780 | 2094 | 15 | 34 | | 13475 | 15859 | 10 | | |
| 5 | | 1780 | 2094 | 15 | (34.92) | 1.3/8 | 13475 | 15859 | 10 | | |
| (5.56) | 7/32 | 1780 | 2094 | 15 | 35 | | 13475 | 15859 | 10 | | |
| 6 | | 1780 | 2094 | 15 | 36 | | 13475 | 15859 | 10 | | |
| (6.35) | 1/4 | 1780 | 2094 | 15 | 37 | | 14525 | 17079 | 10 | | |
| 7 | | 2010 | 2357 | 15 | 38 | | 15478 | 18206 | 10 | | |
| (7.14) | 9/32 | 2010 | 2357 | 15 | (38.10) | 1.1/2 | 15478 | 18205 | 10 | | |
| (7.94) | 5/16 | 2010 | 2357 | 15 | 39 | | 16101 | 18947 | 10 | | |
| 8 | | 2010 | 2357 | 15 | 40 | | 17112 | 20127 | 10 | | |
| 9 | | 2010 | 2357 | 15 | 41 | | 21821 | 25675 | 10 | | |
| (9.52) | 3/8 | 2010 | 2357 | 15 | (41.27) | 1.5/8 | 21821 | 25675 | 10 | | |
| 10 | | 2010 ** | 2357 | 15 | 42 | | 21821 | 25675 | 10 | | |
| 11 | | 2320 | 2727 | 15 | 43 | | 21821 | 25675 | 10 | | |
| (11.11) | 7/16 | 2320 | 2727 | 15 | 44 | – | | | – | | |
| 12 | | 2389 | 2816 | 15 | (44.45) | 1.3/4 | 21821 | 25675 | 10 | | |
| (12.70) | 1/2 | 2389 | 2816 | 15 | 45 | | 21821 | 25675 | 10 | | |
| 13 | | 2954 | 3477 | 15 | 46 | | 24064 | 28306 | 10 | | |
| 14 | | 2954 | 3477 | 15 | 47 | | 24064 | 28306 | 10 | | |
| (14.29) | 9/16 | 2954 | 3477 | 15 | (47.62) | 1.7/8 | 24064 | 28306 | 10 | | |
| 15 | | 3453 | 4054 | 15 | 48 | | 24064 | 28306 | 10 | | |
| (15.87) | 5/8 | 3453 | 4054 | 15 | 49 | | 24064 | 28307 | 10 | | |
| 16 | | 3453 | 4054 | 15 | 50 | | 26401 | 31056 | 10 | | |
| 17 | | 4209 | 4946 | 15 | (50.8) | 2 | 26342 | 30989 | 10 | | |
| (17.46) | 11/16 | 4209 | 4946 | 15 | 51 | | 21996 | 25880 | 5 | | |
| 18 | | 4209 | 4946 | 15 | 52 | | 47906 | 56361 | 5 | | |
| 19 | | 4209 | 4946 | 15 | (52.39) | 2-1/16 | 57483 | 67632 | 5 | | |
| (19.05) | 3/4 | 4209 | 4946 | 15 | 53 | | 47906 | 56361 | 5 | | |
| 20 | | 4661 | 5485 | 15 | (53.97) | 2-1/8 | 57483 | 67632 | 5 | | |
| (20.64) | 13/16 | 5278 | 6217 | 15 | 54 | | 47906 | 56361 | 5 | | |
| 21 | | 5278 | 6221 | 15 | 55 | | 47906 | 56361 | 5 | | |
| 22 | | 5278 | 6221 | 15 | (55.56) | 2-3/16 | 57483 | 67632 | 5 | | |
| (22.22) | 7/8 | 5278 | 6217 | 15 | 56 | | 47906 | 56361 | 5 | | |
| 23 | | 5715 | 6728 | 15 | 57 | | 47906 | 56361 | 5 | | |
| (23.81) | 15/16 | 6151 | 7234 | 15 | (57.15) | 2-1/4 | 57483 | 67632 | 5 | | |
| 24 | | 6151 | 7234 | 15 | 58 | | 47906 | 56361 | 5 | | |
| 25 | | 6151 ** | 7234 | 15 | (58.74) | 2-5/16 | 57483 | 67632 | 5 | | |
| (25.40) | 1 | 6151 | 7234 | 15 | 59 | | 47906 | 56361 | 5 | | |
| 26 | | 6209 | 7308 | 10 | 60 | | 47906 | 56361 | 5 | | |
| 27 | | 8528 | 10035 | 10 | (60.32) | 2-3/8 | 57483 | 67632 | 5 | | |
| 28 | | 8528 | 10035 | 10 | 61 | | 54852 | 64535 | 5 | | |
| (28.57) | 1-1/8 | 8528 | 10035 | 10 | 62 | | 54852 | 64535 | 5 | | |
| 29 | | 8528 | 10035 | 10 | 63 | | 54852 | 64535 | 5 | | |
| 30 | | 9380 | 11034 | 10 | (63.50) | 2-1/2 | 65821 | 77441 | 5 | | |

CC – With Centre Cutting; CCTC – With Centre Cutting and TIN Coating.

For More details refer our Product Catalogue Pages 143 to 149.



**HSS PARALLEL SHANK ROUGHING END MILLS
WITH GROUND RELIEVED CHIP BREAKER GROOVES**

**IS 6353-1991
BS 122 – PART I – 1953**

| Size | | Price Per Piece (Rs.) | | | | | MOQ (No.) |
|---------|-------|-----------------------|-------|-------|--------|--------|--------------|
| mm | Inch | M2 | M35 | M2 LS | M35 LS | M42 LS | |
| (9.52) | 3/8 | 3382 | 3760 | | | | 50 |
| 10 | | 3382 | 3768 | 4689 | 5204 | 6068 | 50 |
| 11 | | 3382 | 3928 | 4689 | 5357 | 6244 | 50 |
| (11.11) | 7/16 | 3382 | 3760 | | | | 50 |
| 12 | | 3472 | 4015 | 4955 | 5638 | 6569 | 50 |
| (12.70) | 1/2 | 3472 | 3855 | | | | 35 |
| 13 | | 3910 | 4743 | | | | 35 |
| 14 | | 4092 | 4743 | 5750 | 7365 | 8110 | 35 |
| (14.29) | 9/16 | 4092 | 4798 | | | | 35 |
| 15 | | 5119 | 5901 | | | | 35 |
| (15.87) | 5/8 | 5119 | 6006 | | | | 35 |
| 16 | | 5119 | 5901 | 6989 | 7982 | 9833 | 35 |
| 17 | | 4855 | 6023 | | | | 25 |
| (17.46) | 11/16 | 4984 | 5846 | | | | 25 |
| 18 | | 5119 | 6023 | 7264 | 8416 | 10368 | 25 |
| 19 | | 5115 | 6023 | | | | 25 |
| (19.05) | 3/4 | 5115 | 6001 | | | | 25 |
| 20 | | 5803 | 7342 | 8478 | 10590 | 13048 | 25 |
| (20.64) | 13/16 | 5803 | 6809 | | | | 25 |
| 21 | | 6112 | 7342 | | | | 25 |
| 22 | | 6196 | 7342 | 8983 | 10590 | 13048 | 25 |
| (22.22) | 7/8 | 6196 | 7272 | | | | 25 |
| 23 | | 6448 | 8010 | | | | 25 |
| (23.81) | 15/16 | 6448 | 7566 | | | | 25 |
| 24 | | 6448 | 8010 | | | | 25 |
| 25 | | 6719 | 8010 | 10067 | 11902 | 14664 | 25 |
| (25.40) | 1 | 6719 | 9136 | | | | 5 |
| 26 | | 7279 | 8641 | | | | 5 |
| 27 | | 7980 | 10534 | | | | 5 |
| 28 | | 8726 | 10534 | 12474 | 15024 | 18510 | 5 |
| (28.57) | 1.1/8 | 8726 | 10233 | | | | 5 |
| 29 | | 8726 | 10534 | | | | 5 |
| 30 | | 9699 | 12358 | | | | 5 |
| 31 | | 10191 | 12358 | | | | 5 |
| (31.75) | 1.1/4 | 10191 | 11512 | | | | 5 |
| 32 | | 10191 | 12358 | | | | 5 |
| 33 | | 11712 | 15005 | | | | 5 |
| 34 | | 12406 | 15005 | | | | 5 |
| (34.92) | 1.3/8 | 12406 | 14554 | | | | 5 |
| 35 | | 12406 | 15005 | | | | 5 |

For More details refer our Product Catalogue Page 181.



**HSS PARALLEL SHANK ROUGHING END MILLS
WITH GROUND RELIEVED CHIP BREAKER GROOVES**

**IS 6353-1991
BS 122 – PART I – 1953**

| Size | | Price Per Piece (Rs.) | | | | | MOQ (No.) |
|---------|--------|-----------------------|-------|-------|--------|--------|--------------|
| mm | Inch | M2 | M35 | M2 LS | M35 LS | M42 LS | |
| 36 | | 13109 | 17979 | – | – | – | 5 |
| 37 | | 14113 | 17979 | – | – | – | 5 |
| 38 | | 14752 | 17979 | – | – | – | 5 |
| (38.10) | 1.1/2 | 13788 | 16179 | – | – | – | 5 |
| 39 | | 15737 | 20038 | – | – | – | 5 |
| 40 | | 16427 | 20038 | – | – | – | 5 |
| 41 | | 16427 | 22917 | – | – | – | 5 |
| (41.27) | 1.5/8 | 16427 | 19238 | – | – | – | 5 |
| 42 | | 18793 | 22917 | – | – | – | 5 |
| 43 | | 18793 | 22917 | – | – | – | 5 |
| 44 | | 20232 | 24826 | – | – | – | 5 |
| (44.45) | 1.3/4 | 20232 | 23741 | – | – | – | 5 |
| 45 | | 20232 | 24826 | – | – | – | 5 |
| 46 | | 20232 | 27515 | – | – | – | 5 |
| 47 | | 22444 | 27515 | – | – | – | 5 |
| (47.62) | 1.7/8 | 22444 | 26335 | – | – | – | 5 |
| 48 | | 22444 | 27515 | – | – | – | 5 |
| 49 | | 22444 | 29506 | – | – | – | 5 |
| 50 | | 23965 | 29506 | – | – | – | 5 |
| (50.08) | 2 | 23965 | 28121 | – | – | – | 5 |
| 51 | | 23965 | 29506 | – | – | – | 5 |
| 52 | | 28271 | 49645 | – | – | – | 5 |
| (52.39) | 2.1/16 | 28271 | 33176 | – | – | – | 5 |
| 53 | | 28271 | 49645 | – | – | – | 5 |
| (53.97) | 2.1/8 | 32019 | 37568 | – | – | – | 5 |
| 54 | | 32019 | 49645 | – | – | – | 5 |
| 55 | | 37022 | 49645 | – | – | – | 5 |
| (55.56) | 2.3/16 | 37022 | 43438 | – | – | – | 5 |
| 56 | | 37022 | 49645 | – | – | – | 5 |
| 57 | | 39438 | 49645 | – | – | – | 5 |
| (57.15) | 2.1/4 | 39438 | 46279 | – | – | – | 5 |
| 58 | | 42050 | 58109 | – | – | – | 5 |
| (58.74) | 2.5/16 | 42050 | 49336 | – | – | – | 5 |
| 59 | | 42050 | 58109 | – | – | – | 5 |
| 60 | | 44530 | 58109 | – | – | – | 5 |
| (60.32) | 2.3/8 | 44530 | 52243 | – | – | – | 5 |
| 61 | | 44530 | 58109 | – | – | – | 5 |
| 62 | | 45214 | 58109 | – | – | – | 5 |
| 63 | | 45966 | 58109 | – | – | – | 5 |
| (63.50) | 2-1/2 | 45966 | 53934 | – | – | – | 5 |

For More details refer our Product Catalogue Page 181.



**M42 PARALLEL SHANK ROUGHING END MILLS
WITH GROUND RELIEVED CHIP BREAKER GROOVE**

**IS 6353-1991
BS 122 – PART I – 1953**

| Size | | Price Per Piece (Rs.) | | | | MOQ (No.) |
|---------|-------|-----------------------|--------|--------|----------|--------------|
| mm | Inch | M42 | M42 TC | M42 CC | M42 CCTC | |
| (9.52) | 3/8 | 3984 | 4695 | 4386 | 5160 | 50 |
| 10 | | 3984 | 4695 | 4386 | 5160 | 50 |
| 11 | | 4275 | 5032 | 4700 | 5534 | 50 |
| (11.11) | 7/16 | 4940 | 5801 | 5425 | 6381 | 50 |
| 12 | | 4390 | 5163 | 4830 | 5680 | 50 |
| (12.70) | 1/2 | 4940 | 5801 | 5425 | 6381 | 50 |
| 13 | | 5218 | 6135 | 5732 | 6745 | 35 |
| 14 | | 5218 | 6135 | 5732 | 6745 | 35 |
| (14.29) | 9/16 | 5218 | 6135 | 5732 | 6744 | 35 |
| 15 | | 6448 | 7592 | 7094 | 8341 | 35 |
| (15.87) | 5/8 | 6448 | 7592 | 7094 | 8341 | 35 |
| 16 | | 6448 | 7592 | 7094 | 8341 | 35 |
| 17 | | 7542 | 8868 | 8301 | 9753 | 25 |
| (17.46) | 11/16 | 7542 | 8870 | 8301 | 9753 | 25 |
| 18 | | 7542 | 8870 | 8301 | 9753 | 25 |
| 19 | | 7542 | 8870 | 8301 | 9753 | 25 |
| (19.05) | 3/4 | 7542 | 8870 | 8301 | 9753 | 25 |
| 20 | | 7542 | 8870 | 8301 | 9753 | 25 |
| (20.64) | 13/16 | 8177 | 9615 | 8995 | 10579 | 25 |
| 21 | | 8177 | 9615 | 8995 | 10581 | 25 |
| 22 | | 8177 | 9615 | 8995 | 10581 | 25 |
| (22.22) | 7/8 | 8177 | 9615 | 8995 | 10579 | 25 |
| 23 | | 8983 | 10563 | 9877 | 11620 | 25 |
| (23.81) | 15/16 | 8983 | 10563 | 9877 | 11621 | 25 |
| 24 | | 8983 | 10563 | 9877 | 11620 | 25 |
| 25 | | 8983 | 10563 | 9877 | 11620 | 25 |
| (25.40) | 1 | 8983 | 10563 | 9877 | 11621 | 25 |
| 26 | | 9645 | 11343 | 10313 | 12137 | 5 |
| 27 | | 13196 | 15526 | 14114 | 16614 | 5 |
| 28 | | 13196 | 15526 | 14114 | 16614 | 5 |
| (28.57) | 1.1/8 | 13196 | 15526 | 14114 | 16614 | 5 |
| 29 | | 13196 | 15526 | 14114 | 16614 | 5 |
| 30 | | 13196 | 15526 | 14114 | 16614 | 5 |
| 31 | | 18107 | 21296 | 19369 | 22790 | 5 |
| (31.75) | 1.1/4 | 18969 | 22314 | 20297 | 23879 | 5 |
| 32 | | 18107 | 21296 | 19369 | 22790 | 5 |
| 33 | | 18107 | 21296 | 19369 | 22790 | 5 |
| 34 | | 18107 | 21296 | 19369 | 22790 | 5 |
| (34.92) | 1.3/8 | 18969 | 22314 | 20297 | 23879 | 5 |
| 35 | | 18107 | 21296 | 19369 | 22790 | 5 |

TC - With Tin-Coated; CC - With Centre Cutting; CCTC - Centre Cutting With TIN-Coated.

For More details refer our Product Catalogue Page 181.



**M42 PARALLEL SHANK ROUGHING END MILLS
WITH GROUND RELIEVED CHIP BREAKER GROOVES**

**IS 6353-1991
BS 122 – PART I – 1953**

| Size | | Price Per Piece (Rs.) | | | | MOQ (No.) |
|---------|--------|-----------------------|--------|--------|----------|--------------|
| mm | Inch | M42 | M42 TC | M42 CC | M42 CCTC | |
| 36 | | 18107 | 21296 | 19369 | 22790 | 5 |
| 37 | | 22844 | 26872 | 24440 | 28749 | 5 |
| 38 | | 22844 | 26872 | 24440 | 28749 | 5 |
| (38.10) | 1.1/2 | 22844 | 26872 | 24440 | 28754 | 5 |
| 39 | | 22844 | 26872 | 23984 | 28217 | 5 |
| 40 | | 22844 | 26872 | 23984 | 28217 | 5 |
| 41 | | 28402 | 33413 | 29820 | 35087 | 5 |
| (41.27) | 1.5/8 | 28402 | 33413 | 29820 | 35087 | 5 |
| 42 | | 28402 | 33413 | 29820 | 35087 | 5 |
| 43 | | 28402 | 33413 | 29820 | 35087 | 5 |
| 44 | | 28402 | 33413 | 29820 | 35087 | 5 |
| (44.45) | 1.3/4 | 28402 | 33413 | 29820 | 35087 | 5 |
| 45 | | 28402 | 33413 | 29820 | 35087 | 5 |
| 46 | | 33838 | 39809 | 35529 | 41795 | 5 |
| 47 | | 33838 | 39809 | 35529 | 41795 | 5 |
| (47.62) | 1.7/8 | 33838 | 39809 | 35529 | 41795 | 5 |
| 48 | | 33838 | 39809 | 35529 | 41795 | 5 |
| 49 | | 33838 | 39809 | 35529 | 41795 | 5 |
| 50 | | 33838 | 39809 | 35529 | 41795 | 5 |
| (50.08) | 2 | 33838 | 39809 | 35529 | 41795 | 5 |
| 51 | | 33838 | 39809 | 35529 | 41795 | 5 |
| 52 | | 65655 | 77246 | 68938 | 81103 | 5 |
| (52.39) | 2.1/16 | 65655 | 77245 | 68940 | 81103 | 5 |
| 53 | | 65655 | 77246 | 68938 | 81103 | 5 |
| (53.97) | 2.1/8 | 65655 | 77245 | 68940 | 81103 | 5 |
| 54 | | 65655 | 77246 | 68938 | 81103 | 5 |
| 55 | | 65655 | 77246 | 68938 | 81103 | 5 |
| (55.56) | 2.3/16 | 65655 | 77245 | 68940 | 81103 | 5 |
| 56 | | 65655 | 77246 | 68938 | 81103 | 5 |
| 57 | | 65655 | 77246 | 68938 | 81103 | 5 |
| (57.15) | 2.1/4 | 65655 | 77245 | 68940 | 81103 | 5 |
| 58 | | 65655 | 77246 | 68938 | 81103 | 5 |
| (58.74) | 2.5/16 | 65655 | 77245 | 68940 | 81103 | 5 |
| 59 | | 65655 | 77246 | 68938 | 81103 | 5 |
| 60 | | 65655 | 77246 | 68938 | 81103 | 5 |
| (60.32) | 2.3/8 | 76677 | 90215 | 80516 | 94721 | 5 |
| 61 | | 76677 | 90215 | 80516 | 94721 | 5 |
| 62 | | 76677 | 90215 | 80516 | 94721 | 5 |
| 63 | | 76677 | 90215 | 80516 | 94721 | 5 |
| 63.50 | 2-1/2 | 76677 | 90215 | 80516 | 94721 | 5 |

TC - With Tin-Coated; CC - With Centre Cutting; CCTC - Centre Cutting With TIN-Coated.
For More details refer our Product Catalogue Page 181.



HSS SCREWED SHANK END MILLS / SLOT DRILLS – SHORT (NORMAL) SERIES
RH HELICAL FLUTES WITH RH CUTTING **BS : 122 (PART 4) 1980**

| Dia mm | Price Per Piece (Rs.) | | MOQ (No.) | Dia mm | M2 Price Per Piece (Rs.) | | MOQ (No.) |
|--------|-----------------------|----------------|-----------|--------|--------------------------|----------------|-----------|
| | M2 END MILLS | M2 SLOT DRILLS | | | M2 END MILLS | M2 SLOT DRILLS | |
| 3 | 2094 | 2461 | 35 | 18 | 4111 | 4639 | 35 |
| 4 | 2094 | 2461 | 35 | 20 | 4610 | 5127 | 35 |
| 5 | 2094 | 2461 | 35 | 22 | 4993 | 5281 | 35 |
| 6 | 2094 | 2461 | 35 | 24 | 5729 | 6096 | 35 |
| 7 | 2309 | 2461 | 35 | 25 | 5729 | 6096 | 35 |
| 8 | 2309 | 2461 | 35 | 26 | 6393 | 6918 | 35 |
| 9 | 2309 | 2461 | 35 | 28 | 7663 | 8410 | 35 |
| 10 | 2426 | 2621 | 35 | 30 | 8028 | 9209 | 35 |
| 11 | 2426 | 2566 | 35 | 32 | 9265 | 10040 | 35 |
| 12 | 2522 | 2810 | 35 | 34 | 11070 | 11927 | 20 |
| 13 | 2890 | 2967 | 35 | 36 | 12842 | 13681 | 20 |
| 14 | 2890 | 3255 | 35 | 38 | 12842 | 13681 | 20 |
| 16 | 3255 | 3666 | 35 | | | | |

For more details please refer our Product Catalogue Pages 162 to 165 and 170 to 173.



HSS SCREWED SHANK END MILLS SHORT (NORMAL) / LONG SERIES

RH HELICAL FLUTES WITH RH CUTTING

BS : 122 (PART 4) 1980

| Dia Inch | Price Per Piece (Rs.) | | MOQ (No.) | Dia Inch | Price Per Piece (Rs.) | | MOQ (No.) |
|-------------|-----------------------|----------------|--------------|-------------|-----------------------|----------------|--------------|
| | M2 Short Series | M2 Long Series | | | M2 Short Series | M2 Long Series | |
| 1/8 | 2094 | 2173 | 35 | 1 | 5729 | 8028 | 35 |
| 3/16 | 2094 | 2173 | 35 | 1 1/16 | 6393 | 8824 | 35 |
| 1/4 | 2094 | 2173 | 35 | 1 1/8 | 7663 | 9561 | 35 |
| 5/16 | 2309 | 2426 | 35 | 1 3/16 | 8028 | 10306 | 35 |
| 3/8 | 2309 | 2734 | 35 | 1 1/4 | 9265 | 11332 | 35 |
| 7/16 | 2426 | 2956 | 35 | 1 5/16 | 11070 | 12169 | 20 |
| 1/2 | 2522 | 3405 | 35 | 1 3/8 | 11070 | 13129 | 20 |
| 9/16 | 2890 | 3824 | 35 | 1 7/16 | 12842 | 14188 | 20 |
| 5/8 | 3255 | 4319 | 35 | 1 1/2 | 12842 | 15159 | 20 |
| 11/16 | 3824 | 4562 | 35 | 1 5/8 | 14938 | 18572 | 20 |
| 3/4 | 4111 | 5133 | 35 | 1 3/4 | 16710 | 21379 | 20 |
| 13/16 | 4610 | 5809 | 35 | 1 7/8 | 20791 | 24311 | 10 |
| 7/8 | 4993 | 6441 | 35 | 2 | 24068 | 27313 | 10 |
| 15/16 | 5346 | 6965 | 35 | | | | |

HSS SCREWED SHANK SLOT DRILLS SHORT (NORMAL) / LONG SERIES

RH HELICAL FLUTES WITH RH CUTTING

BS : 122 (PART 4) 1980

| Dia Inch | Price Per Piece (Rs.) | | MOQ (No.) | Dia Inch | Price Per Piece (Rs.) | | MOQ (No.) |
|-------------|-----------------------|----------------|--------------|-------------|-----------------------|----------------|--------------|
| | M2 Short Series | M2 Long Series | | | M2 Short Series | M2 Long Series | |
| 1/8 | 2461 | 2657 | 35 | 1 | 6096 | 8101 | 35 |
| 3/16 | 2461 | 2682 | 35 | 1 1/16 | 6917 | 9140 | 35 |
| 1/4 | 2482 | 2657 | 35 | 1 1/8 | 8411 | 10324 | 35 |
| 5/16 | 2482 | 2657 | 35 | 1 3/16 | 9209 | 11203 | 35 |
| 3/8 | 2482 | 2835 | 35 | 1 1/4 | 10131 | 12082 | 35 |
| 7/16 | 2590 | 3282 | 35 | 1 5/16 | 11928 | 13162 | 20 |
| 1/2 | 2810 | 3502 | 35 | 1 3/8 | 11974 | 14188 | 20 |
| 9/16 | 3255 | 4088 | 35 | 1 7/16 | 13680 | 15160 | 20 |
| 5/8 | 3699 | 4447 | 35 | 1 1/2 | 13680 | 16209 | 20 |
| 11/16 | 4276 | 4909 | 35 | 1 5/8 | 15909 | 19228 | 20 |
| 3/4 | 4682 | 5395 | 35 | 1 3/4 | 17586 | 21885 | 20 |
| 13/16 | 5128 | 6181 | 35 | 1 7/8 | 21523 | 24726 | 10 |
| 7/8 | 5330 | 6630 | 35 | 2 | 24517 | 27313 | 10 |
| 15/16 | 5603 | 7416 | 35 | | | | |

For more details please refer our Product Catalogue Pages 166 to 169 and 174 to 177.



Taps


HSS GROUND THREAD HAND TAPS M C P (NON-SERIAL)
IS: 6175 - PART 2 & 3
- 1992 (6H TOL)

| Dia & Pitch (mm) | M2 HSS Hand Tap | | | M35 HSS Hand Tap | | MOQ (No.) |
|---------------------|-----------------|----------------------------------|------------------------------------------------|----------------------------------|------------------------------------------------|---------------------------|
| | Price Per Piece | Price Per Set of Three Pieces | Price Per Set of three with Tin- Coating | Price Per Set of Three Pieces | Price Per Set of three with Tin- Coating | Individual Taps / Sets |
| | (Rs.) | (Rs.) | (Rs.) | (Rs.) | (Rs.) | |
| 3 x 0.5 | 418 | 1256 * | 1452 | 1487 | 1688 | 100 / 34 |
| 4 x 0.7 | 418 | 1256 * | 1452 | 1487 | 1688 | 100 / 34 |
| 5 x 0.8 | 436 | 1306 * | 1500 | 1546 | 1750 | 150 / 50 |
| 6 x 1.0 | 445 | 1335 * | 1562 | 1576 | 1814 | 150 / 50 |
| 7 x 1.0 | 568 | 1703 | – | – | – | 150 / 50 |
| 8 x 1.25 | 515 | 1546 * | 1792 | 1821 | 2082 | 150 / 50 |
| 9 x 1.25 | 624 | 1874 | – | – | – | 150 / 50 |
| 10 x 1.50 | 646 | 1936 * | 2236 | 2349 | 2602 | 150 / 50 |
| 11 x 1.50 | 988 | 2964 | – | – | – | 100 / 34 |
| 12 x 1.75 | 985 | 2955 * | 3671 | 3493 | 3931 | 100 / 34 |
| 14 x 2.00 | 1431 | 4291 * | – | – | – | 100 / 34 |
| 16 x 2.00 | 1431 | 4291 * | 4891 | 5072 | 5690 | 100 / 34 |
| 18 x 2.50 | 2418 | 7253 * | – | – | – | 45 / 15 |
| 20 x 2.50 | 3176 | 9530 * | – | – | – | 45 / 15 |
| 22 x 2.50 | 3299 | 9897 ** | – | – | – | 45 / 15 |
| 24 x 3.00 | 3706 | 11120 * | – | – | – | 25 / 9 |
| 25 x 3.00 | 4647 | 13940 | – | – | – | 25 / 9 |
| 27 x 3.00 | 5731 | 17194 ** | – | – | – | 25 / 9 |
| 30 x 3.50 | 6402 | 19206 * | – | – | – | 25 / 9 |
| 33 x 3.50 | 7812 | 23438 ** | – | – | – | 25 / 9 |
| 36 x 4.00 | 10851 | 32552 * | – | – | – | 20 / 7 |
| 39 x 4.00 | 12738 | 38215 ** | – | – | – | 20 / 7 |
| 42 x 4.50 | 14873 | 44619 * | – | – | – | 15 / 5 |
| 45 x 4.50 | 19999 | 60000 | – | – | – | 15 / 5 |
| 48 x 5.00 | 21327 | 63982 ** | – | – | – | 10 / 4 |
| 52 x 5.00 | 26771 | 80316 | – | – | – | 10 / 4 |
| 56 x 5.50 | 38085 | 114252 ** | – | – | – | 5 / 2 |
| 60 x 5.50 | 40155 | 120464 | – | – | – | 5 / 2 |
| 64 x 6.00 | 42241 | 126723 ** | – | – | – | 3 / 1 |
| 68 x 6.00 | 52710 | 158131 | – | – | – | 3 / 1 |

For more details please refer our Product Catalogue Pages 192 & 193.



**HSS GROUND THREAD HAND TAPS M C P
(NON-SERIAL)**

IS: 6175 - PART 2 & 3 - 1992 (6H TOL)

HSS GROUND THREAD MACHINE TAPS M C P

IS: 6175 - PART 4 - 1991 (6H TOL)

HSS GROUND THREAD NUT TAPS M C P

IS: 6175 PART 5 - 1991 (6H TOL)

| Dia & Pitch (mm) | Machine Tap | | | | | Nut Tap | MOQ (No.) | |
|---------------------|------------------------------|------------------------------|------------------------------|------------------------------|-----------------------------------------------------------------|--------------------|-----------------------------|-----------------|
| | Type A Price Per Piece | Type C Price Per Piece | Type D Price Per Piece | Type B Price Per Piece | Machine Tap Long Shank Spiral Flute Price Per Piece | Price Per Piece | Hand and Machine Taps | For Nut Taps |
| | (Rs.) | (Rs.) | (Rs.) | (Rs.) | (Rs.) | (Rs.) | | |
| 3 x 0.5 | – | – | – | – | – | – | 100 | – |
| 4 x 0.7 | 887 | 887 | 887 | – | – | – | 100 | – |
| 5 x 0.8 | 647 | 647 | 647 | 756 ** | – | – | 150 | – |
| 6 x 1.0 | 695 | 695 | 695 | 819 | 858 | 938 | 150 | 50 |
| 7 x 1.0 | 751 | 751 | 751 | – | – | 985 | 150 | 50 |
| 8 x 1.25 | 751 | 751 | 751 | 894 | 936 | 1064 ** | 150 | 50 |
| 9 x 1.25 | – | – | – | – | – | – | 150 | – |
| 10 x 1.50 | 940 | 940 | 940 | 1105 ** | 1166 | 1418 | 150 | 50 |
| 11 x 1.50 | – | – | – | – | – | – | 100 | – |
| 12 x 1.75 | 1325 | 1325 | 1325 | 1570 ** | 1687 | 2177 | 100 | 25 |
| 14 x 2.00 | 1920 | 1920 | 1920 | 2262 | 2556 | 3023 | 100 | 25 |
| 16 x 2.00 | 1920 | 1920 | 1920 | 2262 ** | 2556 | 3023 | 100 | 25 |
| 18 x 2.50 | 3130 | 3130 | 3130 | 3699 | 4106 | 5183 | 45 | 20 |
| 20 x 2.50 | 3884 | 3884 | 3884 | 4544 ** | 4869 | 6912 | 45 | 20 |
| 22 x 2.50 | 4306 | 4306 | 4306 | 5073 | 5725 | 7014 | 45 | 20 |
| 24 x 3.00 | 4810 | 4810 | 4810 | 5666 | 6184 | 7966 | 25 | 20 |
| 25 x 3.00 | – | – | – | – | – | 9525 | 25 | 20 |
| 27 x 3.00 | 7393 | 7393 | 7393 | 8730 | – | 12235 | 25 | 20 |
| 30 x 3.50 | 8138 | 8138 | 8138 | 9606 | – | 15111 | 25 | 20 |
| 33 x 3.50 | 9534 | 9534 | 9534 | 11541 | – | 16681 | 25 | 20 |
| 36 x 4.00 | 12468 | 12468 | 12468 | – | – | 21581 | 20 | 20 |
| 39 x 4.00 | 15018 | 15018 | 15018 | – | – | 25745 | 20 | 20 |
| 42 x 4.50 | 17148 | 17148 | 17148 | – | – | 30655 | 15 | 10 |
| 45 x 4.50 | 22988 | 22988 | 22988 | – | – | 36968 | 15 | 10 |
| 48 x 5.00 | 25850 | 25850 | 25850 | – | – | 43248 | 10 | 10 |
| 52 x 5.00 | 29928 | 29928 | 29928 | – | – | – | 10 | – |
| 56 x 5.50 | 38500 | 38500 | 38500 | – | – | – | 5 | – |
| 60 x 5.50 | 45446 | 45446 | 45446 | – | – | – | 5 | – |
| 64 x 6.00 | 51281 | 51281 | 51281 | – | – | – | 3 | – |
| 68 x 6.00 | 71440 | 71440 | 71440 | – | – | – | 3 | – |

For more details please refer our Product Catalogue Pages 192 ,193, 207 and 210.



**HSS GROUND THREAD HAND TAPS M F P IS : 6175 - PART 2 & 3 - 1992 (6H TOL)
(NON-SERIAL)**

HSS GROUND THREAD MACHINE TAPS M F P IS : 6175 - PART 4 - 1991 (6H TOL)

HSS GROUND THREAD NUT TAP M F P TO IS 6175 (PART 5) 1991 6H TOL

| Dia & Pitch (mm) | Hand Tap | | Machine Tap | | | | Nut Tap | MOQ (Hand and Machine Taps) | MOQ (for Nut Taps) |
|------------------|----------------------------|-------------------------------|------------------------|------------------------|------------------------|------------------------|-----------------|-----------------------------|--------------------|
| | Hand Tap - Price Per Piece | Hand Tap Price (Per Set of 2) | Type A Price Per Piece | Type C Price Per Piece | Type D Price Per Piece | Type B Price Per Piece | Price Per Piece | Individual Taps / Sets | |
| | (Rs.) | (Rs.) | (Rs.) | (Rs.) | (Rs.) | (Rs.) | (Rs.) | | |
| 3 x 0.35 | 678 | 1356 | - | | | - | - | 100 / 50 | |
| 3.5 x 0.35 | 678 | 1356 | - | | | - | - | 100 / 50 | |
| 4 x 0.5 | 598 | 1196 | - | | | - | - | 100 / 50 | |
| 5 x 0.5 | 584 | 1168 | 795 | 795 | 795 | - | - | 150 / 75 | |
| 6 x 0.75 | 598 | 1196 | 795 | 795 | 795 | 947 | 1034 | 150 / 75 | 50 |
| 7 x 0.75 | 693 | 1387 | 901 | 901 | 901 | 1075 | 1338 | 150 / 75 | 50 |
| 8 x 0.75 | 687 | 1374 | 858 | 858 | 858 | 1019 | 1213 | 150 / 75 | 50 |
| 8 x 1.0 | 624 | 1248 ** | 858 | 858 | 858 | 1019 | 1213 | 150 / 75 | 50 |
| 9 x 0.75 | 762 | 1525 | 1179 | 1179 | 1179 | 1472 | | 150 / 75 | |
| 9 x 1.0 | 762 | 1525 | 1179 | 1179 | 1179 | 1472 | 1213 | 150 / 75 | 50 |
| 10 x 0.75 | 864 | 1728 | - | - | - | - | - | 150 / 75 | |
| 10 x 1.0 | 726 | 1452 ** | 991 | 991 | 991 | 1179 | 1599 | 150 / 75 | 50 |
| 10 x 1.25 | 726 | 1452 * | 1054 | 1054 | 1054 | 1245 | 1599 | 150 / 75 | 50 |
| 11 x 1.0 | 1207 | 2414 | 1535 | 1535 | 1535 | 1777 | - | 100 / 50 | |
| 12 x 1.0 | 1151 | 2301 ** | 1285 | 1285 | 1285 | | 2510 | 100 / 50 | 25 |
| 12 x 1.25 | 1151 | 2301 ** | 1431 | 1431 | 1431 | 1693 | 2510 | 100 / 50 | 25 |
| 12 x 1.5 | 1151 | 2301 ** | 1431 | 1431 | 1431 | 1693 | 2510 | 100 / 50 | 25 |
| 14 x 1.0 | 1481 | 2962 | 1937 | 1937 | 1937 | 2293 | 3740 | 100 / 50 | 25 |
| 14 x 1.25 | 1521 | 3042 | 1920 | 1920 | 1920 | 2262 | 3740 | 100 / 50 | 25 |
| 14 x 1.5 | 1431 | 2861 ** | 1920 | 1920 | 1920 | 2262 | 3740 | 100 / 50 | 25 |
| 15 x 1.0 | 1741 | 3482 | 2059 | 2059 | 2059 | 2412 | - | 100 / 50 | |
| 15 x 1.5 | 1481 | 2962 | 1920 | 1920 | 1920 | 2239 | - | 100 / 50 | |
| 16 x 1.0 | 1481 | 2962 | 2059 | 2059 | 2059 | 2412 | 3740 | 100 / 50 | 25 |
| 16 x 1.5 | 1431 | 2861 ** | 1920 | 1920 | 1920 | 2239 | 3740 | 100 / 50 | 25 |
| 18 x 1.0 | 3008 | 6016 | 3760 | 3760 | 3760 | 4517 | 5819 | 45 / 23 | 20 |
| 18 x 1.5 | 2808 | 5616 ** | 3603 | 3603 | 3603 | 4247 | 5819 | 45 / 23 | 20 |
| 18 x 2.0 | 2808 | 5616 | 3603 | 3603 | 3603 | 4247 | 5819 | 45 / 23 | 20 |
| 20 x 1.0 | 3723 | 7446 ** | 4695 | 4695 | 4695 | 5725 | | 45 / 23 | |
| 20 x 1.5 | 3487 | 6973 ** | 4695 | 4695 | 4695 | 5549 | 7601 | 45 / 23 | 20 |
| 20 x 2.0 | 3487 | 6973 ** | 4695 | 4695 | 4695 | 5549 | 7601 | 45 / 23 | 20 |
| 22 x 1.0 | 4215 | 8429 | 4695 | 4695 | 4695 | 6035 | | 45 / 23 | |
| 22 x 1.5 | 3789 | 7579 ** | 4695 | 4695 | 4695 | 5744 | 8070 | 45 / 23 | 20 |
| 22 x 2.0 | 3789 | 7579 | 4695 | 4695 | 4695 | 5744 | 8070 | 45 / 23 | 20 |
| 24 x 1.0 | 4289 | 8578 | 5440 | 5440 | 5440 | 6724 | - | 25 / 13 | - |
| 24 x 1.5 | 4289 | 8578 ** | 5440 | 5440 | 5440 | 6408 | 9596 | 25 / 13 | 20 |
| 24 x 2.0 | 4289 | 8578 ** | 5440 | 5440 | 5440 | 6408 | 9596 | 25 / 13 | 20 |
| 25 x 1.5 | 4741 | 9482 | 7081 | 7081 | 7081 | 8359 | 10789 | 25 / 13 | 20 |
| 25 x 2.0 | 4741 | 9482 | 7081 | 7081 | 7081 | 8359 | - | 25 / 13 | |
| 26 x 1.5 | 4768 | 9536 | 6989 | 6989 | 6989 | 8249 | - | 25 / 13 | |
| 26 x 2.0 | 4768 | 9536 | 6989 | 6989 | 6989 | 8249 | - | 25 / 13 | |
| 27 x 1.5 | 6366 | 12732 | 8359 | 8359 | 8359 | 9864 | 13600 | 25 / 13 | 20 |
| 27 x 2.0 | 6366 | 12732 ** | 8359 | 8359 | 8359 | 9864 | - | 25 / 13 | - |

For more details please refer our Product Catalogue Pages 194 to 196, 208 and 209.



**HSS GROUND THREAD HAND TAPS M F P IS : 6175 - PART 2 & 3 - 1992 (6H TOL)
(NON-SERIAL)**

HSS GROUND THREAD MACHINE TAPS M F P IS : 6175 - PART 4 - 1991 (6H TOL)

HSS GROUND THREAD NUT TAP M F P TO IS 6175 (PART 5) 1991 6H TOL

| Dia & Pitch (mm) | Hand Tap | | Machine Tap | | | | Nut Tap | MOQ (Hand and Machine Taps) | MOQ (for Nut Taps) |
|------------------|----------------------------|-------------------------------|------------------------|------------------------|------------------------|------------------------|-----------------|-----------------------------|--------------------|
| | Hand Tap - Price Per Piece | Hand Tap Price (Per Set of 2) | Type A Price Per Piece | Type C Price Per Piece | Type D Price Per Piece | Type B Price Per Piece | Price Per Piece | Individual Taps / Sets | |
| | (Rs.) | (Rs.) | (Rs.) | (Rs.) | (Rs.) | (Rs.) | (Rs.) | | |
| 28 x 1.5 | 6366 | 12732 | 9032 | 9032 | 9032 | 10596 | 16936 | 25 / 13 | 20 |
| 28 x 2.0 | 6366 | 12732 | 9032 | 9032 | 9032 | 10596 | – | 25 / 13 | |
| 30 x 1.0 | 7183 | 14366 | 9675 | 9675 | 9675 | 11378 | – | 25 / 13 | |
| 30 x 1.5 | 7183 | 14366 ** | 9405 | 9405 | 9405 | 11095 | 16936 | 25 / 13 | 20 |
| 30 x 2.0 | 7183 | 14366 ** | 9405 | 9405 | 9405 | 11095 | 16936 | 25 / 13 | 20 |
| 30 x 3.0 | 7183 | 14366 | 9405 | 9405 | 9405 | 11095 | – | 25 / 13 | – |
| 32 x 1.5 | 7556 | 15112 | 10395 | 10395 | 10395 | 12408 | – | 25 / 13 | – |
| 32 x 2.0 | 7556 | 15112 | 10395 | 10395 | 10395 | 12408 | – | 25 / 13 | – |
| 33 x 1.5 | 8754 | 17509 | 11378 | 11378 | 11378 | 13500 | 18790 | 25 / 13 | 20 |
| 33 x 2.0 | 8754 | 17509 ** | 11378 | 11378 | 11378 | 13500 | 18790 | 25 / 13 | 20 |
| 33 x 3.0 | 8754 | 17509 | 11378 | 11378 | 11378 | 13500 | – | 25 / 13 | – |
| 35 x 1.5 | 12134 | 24268 | 15812 | 15812 | 15812 | – | – | 20 / 10 | – |
| 36 x 1.5 | 12134 | 24268 ** | 15812 | 15812 | 15812 | – | – | 20 / 10 | – |
| 36 x 2.0 | 12134 | 24268 ** | 15812 | 15812 | 15812 | – | – | 20 / 10 | – |
| 36 x 3.0 | 12134 | 24268 | 15812 | 15812 | 15812 | – | – | 20 / 10 | – |
| 39 x 1.5 | 15153 | 30306 | 19207 | 19207 | 19207 | – | – | 20 / 10 | – |
| 39 x 2.0 | 15153 | 30306 | 19207 | 19207 | 19207 | – | – | 20 / 10 | – |
| 39 x 3.0 | 15153 | 30306 | 19207 | 19207 | 19207 | – | – | 20 / 10 | – |
| 40 x 1.5 | 15309 | 30618 | 20676 | 20676 | 20676 | – | – | 15 / 8 | – |
| 40 x 2.0 | 16058 | 32117 | 20676 | 20676 | 20676 | – | – | 15 / 8 | – |
| 40 x 3.0 | 16795 | 33589 | 20676 | 20676 | 20676 | – | – | 15 / 8 | – |
| 42 x 1.5 | 16795 | 33589 | 21808 | 21808 | 21808 | – | – | 15 / 8 | – |
| 42 x 2.0 | 16795 | 33589 ** | 21808 | 21808 | 21808 | – | – | 15 / 8 | – |
| 42 x 3.0 | 16795 | 33589 | 21808 | 21808 | 21808 | – | – | 15 / 8 | – |
| 42 x 4.0 | 16795 | 33589 | 21808 | 21808 | 21808 | – | – | 15 / 8 | – |
| 45 x 1.5 | 23293 | 46586 | 30425 | 30425 | 30425 | – | – | 15 / 8 | – |
| 45 x 2.0 | 23293 | 46586 | 30425 | 30425 | 30425 | – | – | 15 / 8 | – |
| 45 x 3.0 | 23293 | 46586 | 30425 | 30425 | 30425 | – | – | 15 / 8 | – |
| 45 x 4.0 | 23293 | 46586 | 30425 | 30425 | 30425 | – | – | 15 / 8 | – |
| 48 x 1.5 | 24269 | 48538 | 31524 | 31524 | 31524 | – | – | 10 / 5 | – |
| 48 x 2.0 | 24269 | 48538 | 31524 | 31524 | 31524 | – | – | 10 / 5 | – |
| 48 x 3.0 | 24269 | 48538 ** | 31524 | 31524 | 31524 | – | – | 10 / 5 | – |
| 48 x 4.0 | 24269 | 48538 | 31524 | 31524 | 31524 | – | – | 10 / 5 | – |
| 50 x 1.5 | 26756 | 53512 | 36694 | 36694 | 36694 | – | – | 10 / 5 | – |
| 50 x 2.0 | 26756 | 53512 | 36694 | 36694 | 36694 | – | – | 10 / 5 | – |
| 50 x 3.0 | 26756 | 53512 | 36694 | 36694 | 36694 | – | – | 10 / 5 | – |
| 52 x 1.5 | 30152 | 60304 | 39174 | 39174 | 39174 | – | – | 10 / 5 | – |
| 52 x 2.0 | 30152 | 60304 | 39174 | 39174 | 39174 | – | – | 10 / 5 | – |
| 52 x 3.0 | 30152 | 60304 | 39174 | 39174 | 39174 | – | – | 10 / 5 | – |
| 52 x 4.0 | 30152 | 60304 | 39174 | 39174 | 39174 | – | – | 10 / 5 | – |

For more details please refer our Product Catalogue Pages 194 to 196, 208 and 209.



HSS GROUND THREAD HAND TAPS
BSW, BSF, UNC, UNF FORM

BS: 949 (PART 2) 1979
CLASS 2 TOL

| Dia (Inch) | Price Per Piece (Rs.) | Price Per Set of Three (Rs.) | MOQ | Dia (Inch) | Price Per Piece (Rs.) | Price Per Set of Three (Rs.) | MOQ |
|------------|-----------------------|------------------------------|------------------------|------------|-----------------------|------------------------------|------------------------|
| | | | Individual Taps / Sets | | | | Individual Taps / Sets |
| 3/16 | 436 | 1308 | 150 / 50 | 1 | 4289 | 12867 | 20 / 7 |
| 1/4 | 445 | 1334 | 150 / 50 | 1.1/8 | 5818 | 17455 | 20 / 7 |
| 5/16 | 515 | 1545 | 100 / 34 | 1.1/4 | 7011 | 21033 | 20 / 7 |
| 3/8 | 612 | 1835 | 100 / 34 | 1.3/8 | 9046 | 27137 | 20 / 7 |
| 7/16 | 790 | 2370 | 100 / 34 | 1.1/2 | 10851 | 32553 | 20 / 7 |
| 1/2 | 996 | 2988 | 100 / 34 | 1.5/8 | 12718 | 38155 | 10 / 4 |
| 9/16 | 1446 | 4339 | 100 / 34 | 1.3/4 | 14878 | 44635 | 10 / 4 |
| 5/8 | 1446 | 4339 | 100 / 34 | 2 | 21327 | 63982 | 10 / 4 |
| 11/16 | 2457 | 7372 | 35 / 12 | 2.1/4 | 31874 | 95623 | 5 / 2 |
| 3/4 | 2457 | 7372 | 35 / 12 | 2.1/2 | 41833 | 125498 | 5 / 2 |
| 13/16 | 2899 | 8698 | 35 / 12 | 2.3/4 | 52203 | 156610 | 3 / 1 |
| 7/8 | 3334 | 10003 | 35 / 12 | 3 | 70056 | 210167 | 3 / 1 |

Hand Tap consists or 1, II, III Taps (Taper, Second and Bottoming).

Range of UNF Taps - Upto 1-1/2" Dia only.

Size 3/16" UNC/UNF not covered in BSS Standard.

For more details please refer our Product Catalogue Pages 197 to 200.

HSS GROUND THREAD NUT TAPS
BSW, BSF, UNC, UNF FORM

BS 949-1979
ZONE - 3 TOL

| Size Inch | Price Per Piece | MOQ (No.) | "Size Inch" | Price Per Piece | MOQ (No.) | Size Inch | Price Per Piece | MOQ (No.) |
|-----------|-----------------|-----------|-------------|-----------------|-----------|-----------|-----------------|-----------|
| | (Rs.) | | | (Rs.) | | | (Rs.) | |
| 1/4 | 938 | 50 | 5/8 | 3205 | 25 | 1.1/4 | 14863 | 15 |
| 5/16 | 1064 | 50 | 11/16 | 4370 | 20 | 1.3/8 | 18313 | 15 |
| 3/8 | 1304 | 50 | 3/4 | 5183 | 20 | 1.1/2 | 21970 | 15 |
| 7/16 | 1748 | 50 | 7/8 | 7014 | 20 | 1.3/4 | 30894 | 10 |
| 1/2 | 2177 | 25 | 1 | 9138 | 15 | 2 | 43629 | 10 |
| 9/16 | 3205 | 25 | 1.1/8 | 12325 | 15 | - | - | - |

Range of UNF Nut Taps - Upto 1-1-2" Dia only.

For more details please refer our Product Catalogue Pages 211 to 214.



HSS GROUND THREAD HAND TAPS

BSP (PARALLEL)

BSP (TAPER) (RC-SERIES)

NPT, NPS, NPSF & NPTF

BS: 949 - 1951

BS: 949 (PART 3) - 1982

BS: 949 - 1969

| Size Inch | BSP (P) | | NPS | | NPSF | | BSPT | | NPT | | NPTF | | MOQ |
|-----------|-----------------------|----------------------------|-----------------------|----------------------------|-----------------------|----------------------------|-----------------------|----------------------------|-----------------------|----------------------------|-----------------------|----------------------------|------------------------|
| | Price Per Piece (Rs.) | Price Per Set of Two (Rs.) | Price Per Piece (Rs.) | Price Per Set of Two (Rs.) | Price Per Piece (Rs.) | Price Per Set of Two (Rs.) | Price Per Piece (Rs.) | Price Per Set of Two (Rs.) | Price Per Piece (Rs.) | Price Per Set of Two (Rs.) | Price Per Piece (Rs.) | Price Per Set of Two (Rs.) | Individual Taps / Sets |
| 1/16 | | | | | | | | | 899 | 1799 ** | 899 | 1799 | 100 / 50 |
| 1/8 | 651 | 1301 * | 771 | 1542 | 934 | 1869 | 864 | 1728 ** | 899 | 1799 | 1045 | 2090 | 100 / 50 |
| 1/4 | 1011 | 2022 * | 1335 | 2670 | 1632 | 3263 | 1556 | 3112 ** | 1634 | 3268 ** | 1972 | 3944 | 100 / 50 |
| 3/8 | 1572 | 3145 * | 1707 | 3415 | 2046 | 4093 | 2162 | 4325 ** | 2259 | 4517 ** | 2554 | 5104 | 100 / 50 |
| 1/2 | 2295 | 4591 * | 2465 | 4929 | 2973 | 5946 | 3204 | 6408 ** | 3345 | 6693 ** | 3719 | 7438 | 50 / 25 |
| 5/8 | 2604 | 5209 ** | | | | | | | | | | | 50 / 25 |
| 3/4 | 3874 | 7748 * | 4116 | 8232 | 4912 | 9823 | 5402 | 10803 | 5638 | 11276 ** | 6073 | 12146 | 25 / 13 |
| 7/8 | 4813 | 9626 | | | | | | | | | | | 25 / 13 |
| 1 | 6117 | 12234 ** | 6935 | 13870 | 8301 | 16602 | 8397 | 16793 ** | 8802 | 17604 ** | 9447 | 18894 | 25 / 13 |
| 1.1/4 | 9184 | 18368 ** | 10717 | 21435 | | | 12017 | 24034 ** | 12593 | 25186 ** | 13918 | 27836 | 15 / 8 |
| 1.1/2 | 11444 | 22888 ** | 13372 | 26743 | | | 14899 | 29799 ** | 15596 | 31193 ** | | | 15 / 8 |
| 1.3/4 | 17559 | 35119 | | | | | | | | | | | 15 / 8 |
| 2 | 20554 | 41109 ** | 23902 | 47803 | | | 26894 | 53788 | 28171 | 56342 ** | | | 10 / 5 |
| 2.1/4 | 35548 | 71096 | | | | | | | | | | | 5 / 3 |
| 2.1/2 | 50942 | 101884 | | | | | 78955 | 157910 | 82701 | 165401 | | | 5 / 3 |
| 2.3/4 | 57252 | 114503 | | | | | | | | | | | 5 / 3 |
| 3 | 64540 | 129080 | | | | | 102914 | 205829 | 107819 | 215638 | | | 5 / 3 |
| 3.1/2 | 84804 | 169609 | | | | | 135274 | 270549 | 141659 | 283318 | | | 5 / 3 |
| 4 | 106712 | 213424 | | | | | 170038 | 340077 | 178122 | 356245 | | | 5 / 3 |

For more details please refer our Product Catalogue Pages 203 to 206.

HSS GROUND THREAD HAND TAPS BS CONDUIT (ZONE 3)

TO BS 949-1951

| Size Inch | BS CON | | MOQ | Size Inch | BS CON | | MOQ |
|-----------|-----------------------|------------------------------|------------------|-----------|-----------------------|------------------------------|------------------|
| | Price Per Piece (Rs.) | Price Per Set of Three (Rs.) | Individual / Set | | Price Per Piece (Rs.) | Price Per Set of Three (Rs.) | Individual / Set |
| | (Rs.) | (Rs.) | | | (Rs.) | (Rs.) | |
| 1/2" | 2246 | 6739 | 50 / 25 | 1-1/4" | 10913 | 32739 | 20 / 10 |
| 5/8" | 2936 | 8809 | 50 / 25 | 1-1/2" | 18431 | 55293 | 15 / 8 |
| 3/4" | 4695 | 14084 | 25 / 13 | 2" | 17553 | 52660 | 10 / 5 |
| 1" | 6826 | 20478 | 25 / 13 | | | | |

LPG CYLINDER TAPS 3/4" - 14 NGT non-interrupted 4 flutes can be supplied at Rs. 3,779/-

HSS GROUND THREAD HAND TAPS BSCY

BS 949-1951

| Size Inch | TPI | Price Per Piece (Rs.) | Price Per Set of Three | MOQ (No.) Individual / Set | Size Inch | TPI | Price Per Piece (Rs.) | Price Per Set of Three | MOQ (No.) Individual / Set |
|-----------|-----|-----------------------|------------------------|----------------------------|-----------|-------|-----------------------|------------------------|----------------------------|
| 1/4" | 26 | 511 | 1534 | 100 / 34 | 9/16 | 26 | 2020 | 6059 | 100 / 34 |
| 5/16 | 26 | 623 | 1869 | 100 / 34 | 9/16 | 26LH | 2020 | 6059 | 100 / 34 |
| 3/8 | 26 | 796 ** | 2389 | 100 / 34 | 1 | 24 | 4213 | 12640 | 25 / 13 |
| 7/16 | 26 | 1020 | 3060 | 100 / 34 | 1.37 | 24.00 | 8832 | 26496 | 15 / 8 |
| 1/2 | 26 | 1247 | 3742 | 100 / 34 | 1.37 | 24 LH | 8832 | 26496 | 15 / 8 |

For more details please refer our Product Catalogue Page No. 201.



Tool Bits



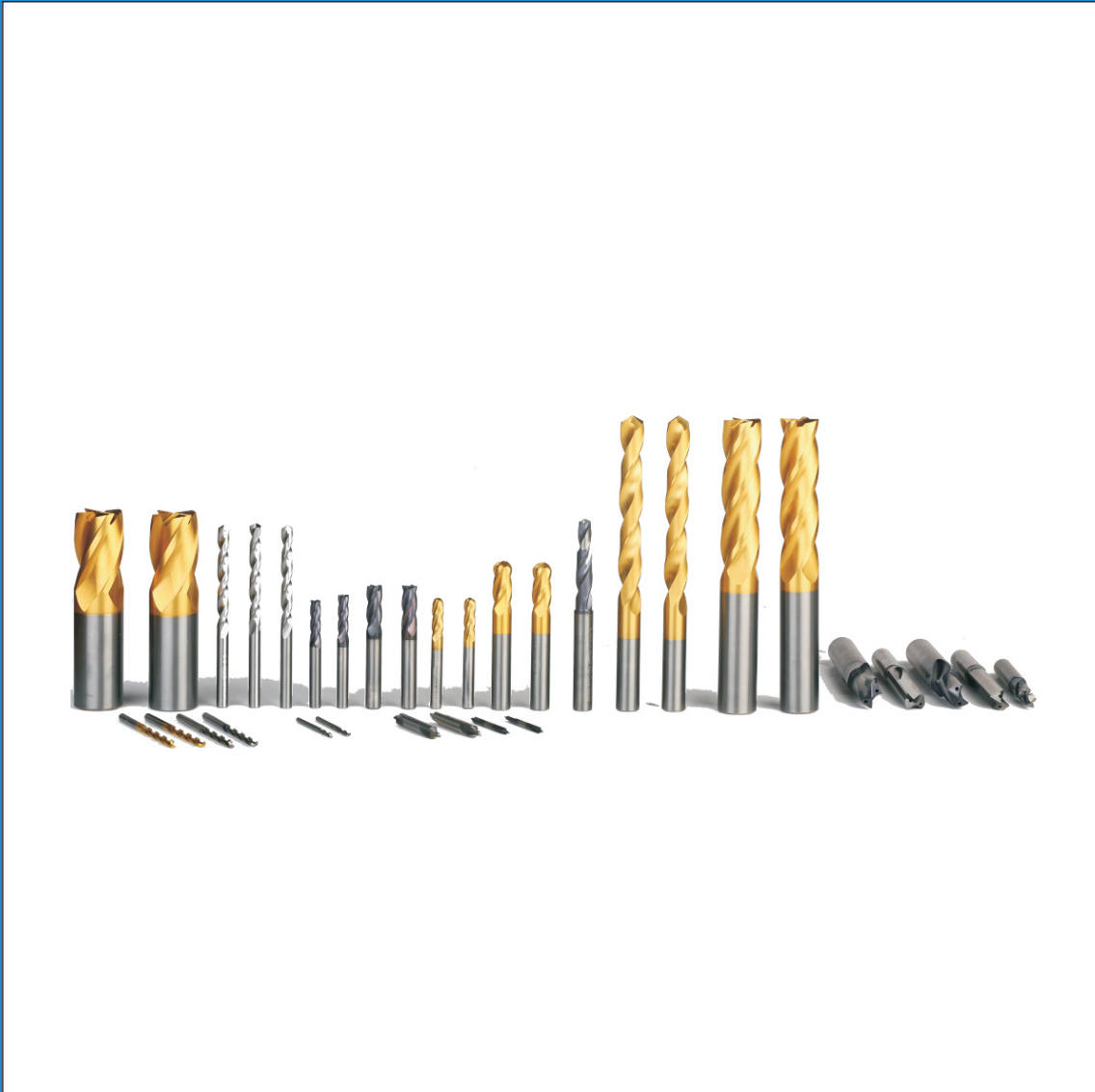
HSS TOOL HOLDER BITS SQUARE / ROUND

| Size | | Price Per Piece (Rs.) | | | | | MOQ (No.) |
|----------|----------|-----------------------|------|-------|----------|----------|--------------|
| Inch | mm | M2 | M 35 | M 42 | T 42 | T 42 - C | |
| 3/16 x 3 | 5 x 75 | 150 | 284 | 372 | 391 | 406 | 50 |
| 3/16 x 4 | 5 x 100 | 200 | 417 | 543 | 569 | 597 | 50 |
| 3/16 x 6 | 5 x 150 | 308 | 757 | 1160 | 1225 | 1253 | 50 |
| 1/4 x 3 | 6 x 75 | 174 ** | 360 | 497 | 523 | 551 | 50 |
| 1/4 x 4 | 6 x 100 | 206 ** | 492 | 661 | 700 ** | 726 | 50 |
| 1/4 x 6 | 6 x 150 | 292 ** | 800 | 1082 | 1142 ** | 1180 | 50 |
| 1/4 x 8 | 6 x 200 | 420 | 1324 | 1837 | 1934 | 2025 | 50 |
| 5/16 x 3 | 8 x 75 | 191 ** | 470 | 644 | 677 ** | 721 | 50 |
| 5/16 x 4 | 8 x 100 | 251 ** | 648 | 879 | 924 ** | 982 | 50 |
| 5/16 x 6 | 8 x 150 | 413 | 1035 | 1416 | 1484 ** | 1580 | 50 |
| 5/16 x 8 | 8 x 200 | 525 ** | 1475 | 1999 | 2105 | 2246 | 50 |
| 3/8 x 3 | – | 245 * | 548 | 759 | 804 ** | 858 | 50 |
| 3/8 x 4 | – | 455 * | 732 | 1007 | 1062 ** | 1146 | 50 |
| 3/8 x 6 | – | 455 * | 1159 | 1619 | 1702 ** | 1812 | 50 |
| 3/8 x 8 | – | 624 * | 1646 | 2299 | 2420 ** | 2576 ** | 50 |
| 3/8 x 10 | – | 800 | 2182 | 3045 | 3204 | 3411 | 50 |
| – | 10 x 75 | 266 | 597 | 829 | 872 | 932 | 50 |
| – | 10 x 100 | 319 | 800 | 1116 | 1171 | 1252 | 50 |
| – | 10 x 150 | 495 | 1252 | 1747 | 1835 | 1948 | 50 |
| – | 10 x 200 | 689 | 1763 | 2455 | 2584 | 2749 | 50 |
| – | 10 x 250 | 875 | 2330 | 3248 | 3410 | 3627 | 50 |
| 1/2 x 3 | 12 x 75 | 360 ** | 865 | 1240 | 1309 | 1361 | 50 |
| 1/2 x 4 | 12 x 100 | 455 * | 1159 | 1619 | 1705 * | 1822 | 50 |
| 1/2 x 6 | 12 x 150 | 698 * | 1781 | 2543 | 2682 * | 2803 | 50 |
| 1/2 x 8 | 12 x 200 | 920 * | 2494 | 3553 | 3737 * | 3906 ** | 50 |
| 1/2 x 10 | 12 x 250 | 1396 | 3491 | 4889 | 5148 | 5457 | 50 |
| 5/8 x 4 | 16 x 100 | 725 ** | 1911 | 2729 | 2871 ** | 2988 | 50 |
| 5/8 x 6 | 16 x 150 | 1068 ** | 2871 | 3999 | 4207 ** | 4478 | 50 |
| 5/8 x 8 | 16 x 200 | 1444 | 3923 | 5604 | 5904 ** | 6131 | 50 |
| 3/4 x 4 | – | 1002 | 2657 | 3750 | 3948 | 4159 | 50 |
| 3/4 x 6 | – | 1464 ** | 3979 | 5502 | 5794 ** | 6233 | 50 |
| 3/4 x 8 | – | 2004 | 5336 | 7544 | 7936 | 8360 | 50 |
| – | 20 x 100 | 1095 | 2895 | 4092 | 4307 | 4526 | 50 |
| – | 20 x 150 | 1596 | 4334 | 6131 | 6453 | 6794 | 50 |
| – | 20 x 200 | 2181 | 5779 | 8178 | 8613 | 9058 | 50 |
| 1 x 6 | 25 x 150 | 2471 | 6612 | 9238 | 9723 ** | 10327 | 50 |
| 1 x 8 | 25 x 200 | 3360 * | 8816 | 12316 | 12959 ** | 13781 | 50 |



XENONROUNDTOOL BLANKS

| Size (in Inch) | Price Per Ten No. | MOQ(No.) | Dia Sizes (in mm) | Price Per Ten No. | MOQ(No.) |
|----------------|-------------------|----------|-------------------|-------------------|----------|
| 7/64 x 3" | 385 | | 3 | 286 | |
| 1/8" x 3" | 440 | | 3.1 | 375 | |
| 9/64 x 3" | 440 | | 3.2 | 385 | |
| 5/32 x 3" | 605 | | 3.5 | 385 | |
| 11/34 x 3" | 703 | | 4 | 572 | |
| 3/16 x 3" | 968 | | 4.2 | 682 | |
| 13/64 x 3" | 981 | | 4.5 | 903 | |
| 7/32 x 3" | 981 | | 5 | 990 | |
| 1/4 x 3" | 1003 | | 5.2 | 990 | |
| 17/64 x 3" | 1101 | | 5.5 | 1057 | |
| 9/32 x 3" | 1515 | | 6 | 1177 | |
| 19/64" x 3" | 1515 | | 6.5 | 1657 | |
| 5/16" x 3" | 1657 | | 6.8 | 1657 | |
| 21/64" x 3" | 1831 | | 6.9 | 1809 | |
| 11/32 x 3" | 1907 | | 7 | 1907 | |
| 23/64 x 3" | 1907 | | 7.2 | 2267 | |
| 3/8 x 3" | 2071 | | 7.5 | 2745 | |
| 25/64 x 3" | 2233 | | 8 | 2932 | |
| 13/32 x 3" | 2616 | | 8.5 | 3019 | |
| 27/64 x 3" | 2790 | | 8.9 | 2932 | |
| 7/16 x 3" | 2790 | | 9 | 2932 | |
| 15/32 x 3" | 2790 | | 9.1 | 3019 | |
| 1/2 x 3" | 3531 | | 9.5 | 3019 | |
| | | | 10 | 3836 | |



Carbide Tools



CARBIDE TIPPED STRAIGHT SHANK TWIST DRILLS

IS.8307-1976 – GRADE OF TIP ISOIK-20

CARBIDE TIPPED TAPER SHANK TWIST DRILLS

IS.8306-1976 – GRADE OF TIP ISOIK-20

| Size | | Price Per Piece (Rs.) | | | MOQ (No.) | Size | | Price Per Piece (Rs.) | | MOQ (No.) |
|------|-------|-----------------------|-------------------|----|-----------|--------|----------------------|-----------------------|----|-----------|
| mm | Inch | Straight Shank Drill | Taper Shank Drill | mm | | Inch | Straight Shank Drill | Taper Shank Drill | | |
| 3.0 | | 968 ** | - | 25 | | 31/64 | 2057 | 3472 | 25 | |
| | 1/8 | 968 | - | 25 | | 1/2 | 2057 ** | 3472 ** | 25 | |
| 3.5 | | 999 | - | 25 | 13.0 | | 2057 ** | 3472 | 25 | |
| | 9/64 | 999 | - | 25 | | 17/32 | 2221 | 3974 | 25 | |
| | 5/32 | 1002 | - | 25 | 14.0 | | 2434 ** | 3974 ** | 20 | |
| 4.0 | | 1002 ** | - | 25 | | 9/16 | 2434 | 3974 | 20 | |
| | 11/64 | 1002 | - | 25 | 15.0 | | 2727 | 4220 | 20 | |
| 4.5 | | 1002 ** | - | 25 | | 19/32 | 2727 | 4220 | 20 | |
| | 3/16 | 1093 ** | - | 25 | | 5/8 | 3141 | 4565 | 20 | |
| 5.0 | | 1093 ** | - | 25 | 16.0 | | 3141 ** | 4565 ** | 20 | |
| | 13/64 | 1093 | - | 25 | | 21/32 | 3303 | 4912 | 20 | |
| 5.5 | | 1108 ** | - | 25 | 17.0 | | 3303 | 4912 ** | 20 | |
| | 7/32 | 1108 | - | 25 | | 11/16 | 3303 | 4912 | 20 | |
| | 15/64 | 1167 | - | 25 | 18.0 | | 3633 ** | 5338 ** | 20 | |
| 6.0 | | 1167 ** | - | 25 | | 23/32 | 3633 | 5338 | 20 | |
| | 1/4 | 1186 ** | - | 25 | 19.0 | | 4145 | 5708 | 20 | |
| 6.5 | | 1186 | - | 25 | | 3/4 | 4145 | 6566 | 20 | |
| | 17/64 | 1209 | - | 25 | | 25/32 | 4700 | 6566 | 20 | |
| 7.0 | | 1283 * | - | 25 | 20.0 | | 4700 | 6566 ** | 20 | |
| | 9/32 | 1283 | - | 25 | | 13/16 | | 6800 | 20 | |
| 7.5 | | 1315 ** | - | 25 | 21.0 | | | 6800 ** | 20 | |
| | 19/64 | 1315 | - | 25 | | 27/32 | | 6800 | 20 | |
| | 5/16 | 1315 ** | - | 25 | 22.0 | | | 7124 ** | 20 | |
| 8.0 | | 1315 ** | - | 25 | | 7/8 | | 7124 | 20 | |
| | 21/64 | 1357 | - | 25 | 23.0 | | | 7522 | 20 | |
| 8.5 | | 1357 ** | - | 25 | | 29/32 | | 7522 | 20 | |
| | 11/32 | 1402 | - | 25 | | 15/16 | | 7896 | 20 | |
| 9 | | 1402 ** | - | 25 | 24.0 | | | 7896 | 20 | |
| | 23/64 | 1497 | - | 25 | | 31/32 | | 8185 | 20 | |
| 9.5 | | 1497 | - | 25 | 25.0 | | | 8185 | 20 | |
| | 3/8 | 1506 | 2615 | 25 | | 1 | | 10056 ** | 20 | |
| | 25/64 | 1506 | 2615 | 25 | 26.0 | | | 10056 | 15 | |
| 10.0 | | 1506 ** | 2615 ** | 25 | | 1.1/32 | | 10056 | 15 | |
| | 13/32 | 1632 | 2923 | 25 | | 1.1/16 | | 10385 | 15 | |
| 10.5 | | 1632 ** | 2923 | 25 | 27.0 | | | 10385 | 15 | |
| | 27/64 | 1653 | 2923 | 25 | | 1.3/32 | | 10933 | 15 | |
| 11.0 | | 1653 ** | 2923 | 25 | 28.0 | | | 10933 | 15 | |
| | 7/16 | 1716 | 3195 | 25 | | 1.1/8 | | 11345 | 15 | |
| 11.5 | | 1716 | 3195 | 25 | 29.0 | | | 11345 | 15 | |
| | 29/64 | 1716 | 3195 | 25 | | 1.5/32 | | 11345 | 15 | |
| | 15/32 | 1852 | 3195 | 25 | 30.0 | | | 11676 | 15 | |
| 12.0 | | 1852 ** | 3195 ** | 25 | | 1.3/16 | | 11676 | 15 | |

For Carbide Tipped Taper Shank Twist Drill to Addison Standard - Sizes 3.0mm to 9.5mm and 31.0mm to 50mm (Equivalent Inch Sizes) Please refer to Page No.100.



**CARBIDE TIPPED TAPER SHANK DRILLS
WITH ISOIK20 GRADE OF TIP**

**FL and OAL - Addison Standard
All other specifications to IS 8307 - 1976**

| Size | | | | | Price Per Piece (Rs.) | MOQ (No.) |
|----------|------------|---------|----------|--------|-----------------------|-----------|
| Dia (mm) | Dia (Inch) | FL (mm) | OAL (mm) | MT No. | | |
| 3 | | 20 | 110 | 1 | 2615 | 25 |
| | 1/8 | 25 | 115 | 1 | 2615 | 25 |
| 3.5 | 9/64 | 25 | 115 | 1 | 2615 | 25 |
| 4 | 5/32 | 25 | 115 | 1 | 2615 | 25 |
| 4.5 | 11/64 | 28 | 118 | 1 | 2615 | 25 |
| 5 | 3/16 | 28 | 118 | 1 | 2615 | 25 |
| 5.5 | 13/64 | 32 | 122 | 1 | 2615 | 25 |
| | 7/32 | 32 | 122 | 1 | 2615 | 25 |
| 6 | 15/64 | 32 | 122 | 1 | 2615 | 25 |
| | 1/4 | 32 | 122 | 1 | 2615 | 25 |
| 6.5 | | 32 | 122 | 1 | 2615 | 25 |
| | 17/64 | 40 | 130 | 1 | 2615 | 25 |
| | 9/32 | 40 | 130 | 1 | 2615 | 25 |
| 7.5 | 19/64 | 40 | 130 | 1 | 2615 | 25 |
| 8 | 5/16 | 40 | 130 | 1 | 2615 | 25 |
| 8.5 | 21/64 | 50 | 140 | 1 | 2615 | 25 |
| 9 | 11/32 | 50 | 140 | 1 | 2615 | 25 |
| | 23/64 | 50 | 140 | 1 | 2615 | 25 |
| 9.5 | 3/8 | 50 | 140 | 1 | 2615 | 25 |
| | 25/64 | 50 | 140 | 1 | 2615 | 25 |
| 31 | 1.7/32 | 125 | 275 | 4 | 12704 | 15 |
| 32 | 1.1/4 | 125 | 275 | 4 | 13248 | 15 |
| 33 | | 125 | 275 | 4 | 13848 | 15 |
| 34 | 1.5/16 | 125 | 275 | 4 | 14330 | 15 |
| 35 | 1.3/8 | 125 | 275 | 4 | 14738 | 15 |
| 36 | | 125 | 275 | 4 | 15222 | 15 |
| 37 | 1.7/16 | 125 | 275 | 4 | 14671 | 15 |
| 38 | 1.1/2 | 125 | 275 | 4 | 16184 | 15 |
| 39 | | 125 | 275 | 4 | 16488 | 10 |
| 40 | 1.9/16 | 125 | 275 | 4 | 16827 | 10 |
| 41 | | 125 | 275 | 4 | 17210 | 10 |
| 42 | 1.5/8 | 125 | 275 | 4 | 17698 | 10 |
| 43 | 1.11/16 | 125 | 275 | 4 | 18189 | 10 |
| 44 | | 125 | 275 | 4 | 18663 | 10 |
| 45 | 1.3/4 | 125 | 275 | 4 | 19128 | 10 |
| 46 | 1.13/16 | 125 | 275 | 4 | 19704 | 10 |
| 47 | | 125 | 275 | 4 | 19704 | 10 |
| 48 | 1.7/8 | 125 | 275 | 4 | 19994 | 10 |
| 49 | 1.15/16 | 125 | 275 | 4 | 20343 | 10 |
| 50 | | 125 | 275 | 4 | 20679 | 10 |
| | 2 | 125 | 275 | 4 | 21041 | 10 |



**CARBIDE TIPPED STRAIGHT
SHANK CHUCKING REAMERS**

IS : 10884 - 1984

GRADE OF TIP ISO K – 10

| Size | | Price Per Piece (Rs.) | MOQ (No.) | Size | | Price Per Piece (Rs.) | MOQ (No.) |
|------|-------|-----------------------|-----------|------|-------|-----------------------|-----------|
| mm | Inch | | | mm | Inch | | |
| 6.0 | | 5116 | 20 | | 3/8 | 5485 | 20 |
| | 1/4 | 5116 | 20 | 10.0 | | 5485 ** | 20 |
| 7.0 | | 5116 | 20 | | 13/32 | 5485 | 20 |
| | 9/32 | 5116 | 20 | 11.0 | | 5485 | 20 |
| | 5/16 | 4764 | 20 | | 7/16 | 5485 | 20 |
| 8.0 | | 4764 | 20 | | 15/32 | 6043 | 20 |
| | 11/32 | 4764 | 20 | 12.0 | | 6043 | 20 |
| 9.0 | | 4764 | 20 | | 1/2 | 6043 | 20 |

CARBIDE TIPPED TAPER SHANK CHUCKING REAMERS

IS : 10885 – 1984

GRADE OF TIP ISO K – 10

| Size | | Price Per Piece (Rs.) | MOQ (No.) | Size | | Price Per Piece (Rs.) | MOQ (No.) |
|------|-------|-----------------------|-----------|------|-------|-----------------------|-----------|
| mm | Inch | | | mm | Inch | | |
| 6.0 | | 5116 | 20 | | 11/16 | 7195 | 10 |
| | 1/4 | 5116 | 20 | 18.0 | | 7195 | 10 |
| 7.0 | | 5116 | 20 | | 23/32 | 7195 | 10 |
| | 9/32 | 5116 | 20 | 19.0 | | 7195 | 10 |
| | 5/16 | 4764 | 20 | | 3/4 | 7195 | 10 |
| 8.0 | | 4764 | 20 | | 25/32 | 7195 | 10 |
| | 11/32 | 4764 | 20 | 20.0 | | 7195 | 10 |
| 9.0 | | 4764 | 20 | | 13/16 | 7195 | 10 |
| | 3/8 | 5485 | 20 | 21.0 | | 8005 | 10 |
| 10.0 | | 5485 ** | 20 | | 27/32 | 8005 | 10 |
| | 13/32 | 5485 | 20 | 22.0 | | 8005 | 10 |
| 11.0 | | 5485 | 20 | | 7/8 | 8005 | 10 |
| | 7/16 | 5485 | 20 | 23.0 | | 8005 | 10 |
| | 15/32 | 6043 | 20 | | 29/32 | 8121 | 10 |
| 12.0 | | 6043 | 20 | 24.0 | | 10289 | 10 |
| | 1/2 | 6043 | 20 | 25.0 | | 10289 | 10 |
| 13.0 | | 6043 | 20 | | 1 | 10289 | 10 |
| | 17/32 | 6342 | 20 | 26.0 | | 10289 | 10 |
| 14.0 | | 6342 | 10 | 27.0 | | 10484 | 10 |
| | 9/16 | 6342 | 10 | 28.0 | | 10484 | 10 |
| 15.0 | | 6342 | 10 | 29.0 | | 10484 | 10 |
| | 19/32 | 7195 | 10 | 30.0 | | 10569 | 10 |
| | 5/8 | 7195 | 10 | | | 10569 | 10 |
| 16.0 | | 7195 | 10 | 31.0 | | 10569 | 10 |
| | 21/32 | 7195 | 10 | 32.0 | | 10569 | 10 |
| 17.0 | | 7195 | 10 | | | | |