



# HSS Drills

Price List w.e.f. 15<sup>th</sup> November 2022



**JK Files & Engineering Limited**

(Formerly known as JK Files (India) Limited)

A subsidiary of **raymond** Limited



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## TERMS AND CONDITIONS:

1. These are the current prices and supersede all previous price-lists.
2. Govt. levies, if any, will be charged extra as applicable
3. Prices are F.O.R. Destination
4. Prices are subject to revision without prior notice and all pending orders, if any, will be invoiced at the rates ruling on the date of delivery.
5. Dealers are free to charge lower than the Maximum Recommended Retail Price.
6. Please refer to us for Centre Drills with special dimensions.
7. For HSS Square Tool Bits, orders to be in multiple of 10 numbers upto 1/2" Square.
8. All legal proceedings are subject to Mumbai Jurisdiction.

# HSS Straight Shank Jobber Drills Ground Flute

To IS: 5101 / DIN: 338 / BS: 328 / I.S.O.



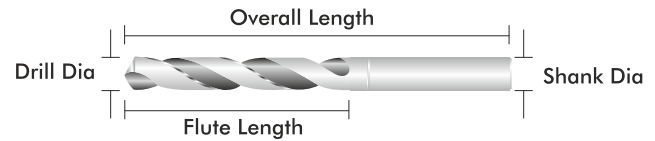
HEAVY MACHINE TOOL - CUTTING DEVICE

w.e.f.  
15<sup>th</sup> Nov 2022

MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 10 NOS.



**JOBBER**  
STRAIGHT SHANK



| Size-Diameter |      |       | Length mm |         | Price<br>10 N |
|---------------|------|-------|-----------|---------|---------------|
| mm            | inch | dg/lg | flute     | overall |               |
| 0.50          |      |       |           |         | 1040          |
| 0.55          |      |       | 7         | 24      | 1040          |
| 0.60          |      |       | 7         | 24      | 1040          |
| 0.65          |      |       | 8         | 26      | 1040          |
| 0.70          |      |       | 9         | 28      | 1040          |
| 0.75          | 1/32 |       | 9         | 28      | 1040          |
| 0.80          |      |       | 10        | 30      | 1040          |
| 0.85          |      |       | 10        | 30      | 1040          |
| 0.90          |      |       | 11        | 32      | 1040          |
| 0.95          |      |       | 11        | 32      | 1040          |
| 1.00          |      |       | 12        | 34      | 550           |
| 1.02          |      | 60    |           |         | 550           |
| 1.04          |      | 59    | 12        | 34      | 550           |
| 1.07          |      | 58    |           |         | 550           |
| 1.09          |      | 57    |           |         | 550           |
| 1.10          |      |       | 14        | 36      | 550           |
| 1.18          |      | 56    |           |         | 550           |
| 1.19          | 3/64 |       |           |         | 550           |
| 1.20          |      |       | 16        | 38      | 550           |
| 1.30          |      |       | 16        | 38      | 550           |
| 1.32          |      | 55    |           |         | 550           |
| 1.40          |      | 54    | 18        | 40      | 550           |
| 1.50          |      |       | 18        | 40      | 550           |
| 1.51          |      | 53    |           |         | 580           |
| 1.59          | 1/16 |       |           |         | 580           |
| 1.60          |      |       | 20        | 43      | 580           |
| 1.61          |      | 52    |           |         | 580           |
| 1.70          |      | 51    | 20        | 43      | 580           |
| 1.78          |      | 50    |           |         | 580           |
| 1.80          |      |       | 22        | 46      | 580           |
| 1.85          |      | 49    | 22        | 46      | 580           |
| 1.90          |      |       | 22        | 46      | 580           |
| 1.93          |      | 48    |           |         | 580           |
| 1.98          | 5/64 |       | 24        | 49      | 580           |
| 1.99          |      | 47    | 24        | 49      | 590           |
| 2.00          |      |       | 24        | 49      | 590           |
| 2.06          |      | 46    | 24        | 49      | 590           |
| 2.08          |      | 45    | 24        | 49      | 590           |

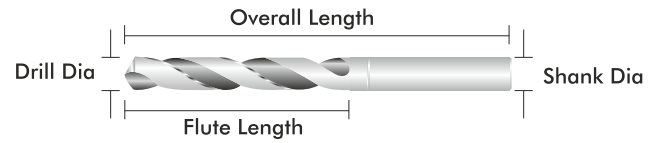
| Size-Diameter |      |       | Length mm |         | Price<br>10 N |
|---------------|------|-------|-----------|---------|---------------|
| mm            | inch | dg/lg | flute     | overall |               |
| 2.10          |      |       | 24        | 49      | 590           |
| 2.18          |      | 44    | 27        | 53      | 590           |
| 2.20          |      |       | 27        | 53      | 590           |
| 2.26          |      | 43    | 27        | 53      | 590           |
| 2.30          |      |       | 27        | 53      | 590           |
| 2.37          |      | 42    | 30        | 57      | 590           |
| 2.38          | 3/32 |       | 30        | 57      | 590           |
| 2.40          |      |       | 30        | 57      | 590           |
| 2.44          |      | 41    | 30        | 57      | 590           |
| 2.49          |      | 40    | 30        | 57      | 590           |
| 2.50          |      |       | 30        | 57      | 590           |
| 2.53          |      | 39    | 30        | 57      | 590           |
| 2.58          |      | 38    | 30        | 57      | 590           |
| 2.60          |      |       | 30        | 57      | 590           |
| 2.64          |      | 37    | 30        | 57      | 610           |
| 2.70          |      |       | 33        | 61      | 610           |
| 2.71          |      | 36    | 33        | 61      | 610           |
| 2.78          | 7/64 |       | 33        | 61      | 610           |
| 2.79          |      | 35    | 33        | 61      | 610           |
| 2.80          |      |       | 33        | 61      | 610           |
| 2.82          |      | 34    | 33        | 61      | 610           |
| 2.87          |      | 33    | 33        | 61      | 610           |
| 2.90          |      |       | 33        | 61      | 610           |
| 2.95          |      | 32    | 33        | 61      | 610           |
| 3.00          |      |       | 33        | 61      | 610           |
| 3.05          |      | 31    | 36        | 65      | 760           |
| 3.10          |      |       | 36        | 65      | 760           |
| 3.17          | 1/8  |       | 36        | 65      | 760           |
| 3.20          |      |       | 36        | 65      | 850           |
| 3.26          |      | 30    | 36        | 65      | 850           |
| 3.30          |      |       | 36        | 65      | 850           |
| 3.40          |      |       | 39        | 70      | 850           |
| 3.45          |      | 29    | 39        | 70      | 850           |
| 3.50          |      |       | 39        | 70      | 850           |
| 3.57          | 9/64 | 28    | 39        | 70      | 850           |
| 3.60          |      |       | 39        | 70      | 1060          |
| 3.66          |      | 27    | 39        | 70      | 1140          |
| 3.70          |      |       | 39        | 70      | 1140          |

w.e.f.  
15<sup>th</sup> Nov 2022

MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 10 NOS.



**JOBBER**  
STRAIGHT SHANK



| Size-Diameter |       |       | Length mm |         | Price<br>10 N |
|---------------|-------|-------|-----------|---------|---------------|
| mm            | inch  | dg/lg | flute     | overall |               |
| 3.73          |       | 26    | 39        | 70      | 1140          |
| 3.80          |       | 25    | 43        | 75      | 1140          |
| 3.86          |       | 24    | 43        | 75      | 1140          |
| 3.90          |       |       | 43        | 75      | 1140          |
| 3.91          |       | 23    | 43        | 75      | 1140          |
| 3.97          | 5/32  |       | 43        | 75      | 1140          |
| 3.99          |       | 22    | 43        | 75      | 1140          |
| 4.00          |       |       | 43        | 75      | 1140          |
| 4.04          |       | 21    | 43        | 75      | 1360          |
| 4.09          |       | 20    | 43        | 75      | 1360          |
| 4.10          |       |       | 43        | 75      | 1360          |
| 4.20          |       |       | 43        | 75      | 1360          |
| 4.22          |       | 19    | 43        | 75      | 1360          |
| 4.30          |       | 18    | 47        | 80      | 1360          |
| 4.37          | 11/64 |       | 47        | 80      | 1380          |
| 4.39          |       | 17    | 47        | 80      | 1380          |
| 4.40          |       |       | 47        | 80      | 1380          |
| 4.50          |       | 16    | 47        | 80      | 1690          |
| 4.57          |       | 15    | 47        | 80      | 1690          |
| 4.60          |       |       | 47        | 80      | 1690          |
| 4.62          |       | 14    | 47        | 80      | 1690          |
| 4.70          |       | 13    | 47        | 80      | 1690          |
| 4.76          | 3/16  |       | 52        | 86      | 1690          |
| 4.80          |       | 12    | 52        | 86      | 1740          |
| 4.85          |       | 11    | 52        | 86      | 1810          |
| 4.90          |       |       | 52        | 86      | 1810          |
| 4.92          |       | 10    | 52        | 86      | 1810          |
| 4.98          |       | 9     | 52        | 86      | 1810          |
| 5.00          |       |       | 52        | 86      | 1820          |
| 5.06          |       | 8     | 52        | 86      | 1820          |
| 5.10          |       |       | 52        | 86      | 1820          |
| 5.11          |       | 7     | 52        | 86      | 1820          |
| 5.16          | 13/64 |       | 52        | 86      | 1820          |
| 5.18          |       | 6     | 52        | 86      | 1820          |
| 5.20          |       |       | 52        | 86      | 1820          |
| 5.22          |       | 5     | 52        | 86      | 2090          |
| 5.30          |       |       | 52        | 86      | 2090          |
| 5.31          |       | 4     | 57        | 93      | 2090          |

| Size-Diameter |       |       | Length mm |         | Price<br>10 N |
|---------------|-------|-------|-----------|---------|---------------|
| mm            | inch  | dg/lg | flute     | overall |               |
| 5.40          |       |       | 57        | 93      | 2090          |
| 5.41          |       | 3     | 57        | 93      | 2090          |
| 5.50          |       |       | 57        | 93      | 2090          |
| 5.56          | 7/32  |       | 57        | 93      | 2090          |
| 5.60          |       |       | 57        | 93      | 2090          |
| 5.61          |       | 2     | 57        | 93      | 2310          |
| 5.70          |       |       | 57        | 93      | 2310          |
| 5.79          |       | 1     | 57        | 93      | 2310          |
| 5.80          |       |       | 57        | 93      | 2310          |
| 5.90          |       |       | 57        | 93      | 2310          |
| 5.94          |       | A     | 57        | 93      | 2310          |
| 5.95          | 15/64 |       | 57        | 93      | 2310          |
| 6.00          |       |       | 57        | 93      | 2310          |
| 6.04          |       | B     | 63        | 101     | 2570          |
| 6.10          |       |       | 63        | 101     | 2570          |
| 6.15          |       | C     | 63        | 101     | 2570          |
| 6.20          |       |       | 63        | 101     | 2570          |
| 6.25          |       | D     | 63        | 101     | 2600          |
| 6.30          |       |       | 63        | 101     | 2600          |
| 6.35          | 1/4   | E     | 63        | 101     | 2600          |
| 6.40          |       |       | 63        | 101     | 2600          |
| 6.50          |       |       | 63        | 101     | 3250          |
| 6.53          |       | F     | 63        | 101     | 3250          |
| 6.60          |       |       | 63        | 101     | 3250          |
| 6.63          |       | G     | 63        | 101     | 3250          |
| 6.70          |       |       | 63        | 101     | 3250          |
| 6.75          | 17/64 | H     | 69        | 109     | 3250          |
| 6.80          |       |       | 69        | 109     | 3250          |
| 6.90          |       | I     | 69        | 109     | 3540          |
| 7.00          |       |       | 69        | 109     | 3540          |
| 7.03          |       | J     | 69        | 109     | 3540          |
| 7.10          |       |       | 69        | 109     | 3540          |
| 7.14          | 9/32  | K     | 69        | 109     | 3540          |
| 7.20          |       |       | 69        | 109     | 3820          |
| 7.30          |       |       | 69        | 109     | 3820          |
| 7.37          |       | L     | 69        | 109     | 3820          |
| 7.40          |       |       | 69        | 109     | 3820          |
| 7.49          |       | M     | 69        | 109     | 3820          |



# HSS Straight Shank Jobber Drills Ground Flute

To IS: 5101 / DIN: 338 / BS: 328 / I.S.O.



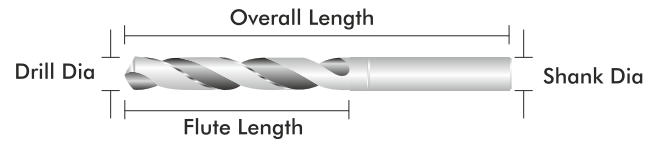
HEAVY MACHINE TOOL - CUTTING DEVICE

w.e.f.  
15<sup>th</sup> Nov 2022

MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 10 NOS.



**JOBBER**  
STRAIGHT SHANK



| Size-Diameter |       |       | Length mm |         | Price<br>10 N |
|---------------|-------|-------|-----------|---------|---------------|
| mm            | inch  | dg/lg | flute     | overall |               |
| 7.50          |       |       | 69        | 109     | 3820          |
| 7.54          | 19/64 |       | 75        | 117     | 4120          |
| 7.60          |       |       | 75        | 117     | 4120          |
| 7.67          |       | N     | 75        | 117     | 4290          |
| 7.70          |       |       | 75        | 117     | 4290          |
| 7.80          |       |       | 75        | 117     | 4290          |
| 7.90          |       |       | 75        | 117     | 4290          |
| 7.94          | 5/16  |       | 75        | 117     | 4540          |
| 8.00          |       |       | 75        | 117     | 4540          |
| 8.03          |       | O     | 75        | 117     | 4540          |
| 8.10          |       |       | 75        | 117     | 4540          |
| 8.20          |       | P     | 75        | 117     | 4540          |
| 8.30          |       |       | 75        | 117     | 5340          |
| 8.33          | 21/64 |       | 75        | 117     | 5340          |
| 8.40          |       |       | 75        | 117     | 5590          |
| 8.43          |       | Q     | 75        | 117     | 5590          |
| 8.50          |       |       | 75        | 117     | 5590          |
| 8.60          |       |       | 81        | 125     | 5590          |
| 8.61          |       | R     | 81        | 125     | 5590          |
| 8.70          |       |       | 81        | 125     | 5590          |
| 8.73          | 11/32 |       | 81        | 125     | 5880          |
| 8.80          |       |       | 81        | 125     | 5880          |
| 8.84          |       | S     | 81        | 125     | 5880          |
| 8.90          |       |       | 81        | 125     | 5880          |
| 9.00          |       |       | 81        | 125     | 5880          |
| 9.09          |       | T     | 81        | 125     | 6140          |
| 9.10          |       |       | 81        | 125     | 6140          |
| 9.13          | 23/64 |       | 81        | 125     | 6140          |
| 9.20          |       |       | 81        | 125     | 6140          |
| 9.30          |       |       | 81        | 125     | 6140          |
| 9.34          |       | U     | 81        | 125     | 6140          |
| 9.40          |       |       | 81        | 125     | 6140          |
| 9.50          |       |       | 81        | 125     | 6140          |
| 9.52          | 3/8   |       | 87        | 133     | 6970          |
| 9.58          |       | V     | 87        | 133     | 6970          |
| 9.60          |       |       | 87        | 133     | 6970          |
| 9.70          |       |       | 87        | 133     | 6970          |
| 9.80          |       | W     | 87        | 133     | 6970          |

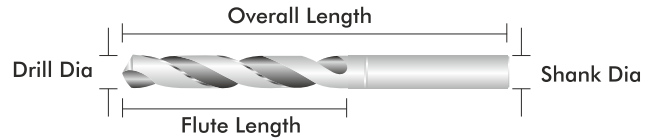
| Size-Diameter |       |       | Length mm |         | Price<br>10 N |
|---------------|-------|-------|-----------|---------|---------------|
| mm            | inch  | dg/lg | flute     | overall |               |
| 9.90          |       |       | 87        | 133     | 7650          |
| 9.92          | 25/64 |       | 87        | 133     | 7650          |
| 10.00         |       |       | 87        | 133     | 7650          |
| 10.08         |       | X     | 87        | 133     | 7650          |
| 10.10         |       |       | 87        | 133     | 7650          |
| 10.20         |       |       | 87        | 133     | 7650          |
| 10.26         |       | Y     | 87        | 133     | 8020          |
| 10.30         |       |       | 87        | 133     | 8020          |
| 10.32         | 13/32 |       | 87        | 133     | 8020          |
| 10.40         |       |       | 87        | 133     | 8410          |
| 10.49         |       | Z     | 87        | 133     | 8410          |
| 10.50         |       |       | 87        | 133     | 8410          |
| 10.60         |       |       | 87        | 133     | 8410          |
| 10.70         |       |       | 94        | 142     | 8410          |
| 10.72         | 27/64 |       | 94        | 142     | 8900          |
| 10.80         |       |       | 94        | 142     | 8900          |
| 10.90         |       |       | 94        | 142     | 8900          |
| 11.00         |       |       | 94        | 142     | 8900          |
| 11.10         |       |       | 94        | 142     | 9930          |
| 11.11         | 7/16  |       | 94        | 142     | 9930          |
| 11.20         |       |       | 94        | 142     | 9930          |
| 11.30         |       |       | 94        | 142     | 9930          |
| 11.40         |       |       | 94        | 142     | 9930          |
| 11.50         |       |       | 94        | 142     | 10480         |
| 11.51         | 29/64 |       | 94        | 142     | 10480         |
| 11.60         |       |       | 94        | 142     | 10480         |
| 11.70         |       |       | 94        | 142     | 10480         |
| 11.80         |       |       | 94        | 142     | 10480         |
| 11.90         |       |       | 101       | 151     | 11160         |
| 11.91         | 15/32 |       | 101       | 151     | 11160         |
| 12.00         |       |       | 101       | 151     | 11160         |
| 12.10         |       |       | 101       | 151     | 11160         |
| 12.20         |       |       | 101       | 151     | 11160         |
| 12.30         | 31/64 |       | 101       | 151     | 11870         |
| 12.40         |       |       | 101       | 151     | 11870         |
| 12.50         |       |       | 101       | 151     | 11870         |
| 12.60         |       |       | 101       | 151     | 11870         |
| 12.70         | 1/2   |       | 101       | 151     | 12170         |

w.e.f.  
**15<sup>th</sup> Nov 2022**

MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 10 NOS.



**JOBBER**  
STRAIGHT SHANK



| Size-Diameter |       |       | Length mm |         | Price<br>10 N |
|---------------|-------|-------|-----------|---------|---------------|
| mm            | inch  | dg/lg | flute     | overall |               |
| 12.80         |       |       | 101       | 151     | 12520         |
| 12.90         |       |       | 101       | 151     | 12520         |
| 13.00         |       |       | 101       | 151     | 12520         |
| 13.10         | 33/64 |       | 101       | 151     | 15530         |
| 13.20         |       |       | 101       | 151     | 15530         |
| 13.30         |       |       | 108       | 160     | 15530         |
| 13.40         |       |       | 108       | 160     | 15530         |
| 13.49         | 17/32 |       | 108       | 160     | 16530         |
| 13.50         |       |       | 108       | 160     | 16530         |
| 13.60         |       |       | 108       | 160     | 16530         |
| 13.70         |       |       | 108       | 160     | 16530         |
| 13.80         |       |       | 108       | 160     | 16530         |
| 13.89         | 35/64 |       | 108       | 160     | 18290         |
| 13.90         |       |       | 108       | 160     | 18290         |
| 14.00         |       |       | 108       | 160     | 18290         |
| 14.25         |       |       | 114       | 169     | 18290         |
| 14.29         | 9/16  |       | 114       | 169     | 18290         |
| 14.50         |       |       | 114       | 169     | 18290         |
| 14.68         | 37/64 |       | 114       | 169     | 18290         |
| 14.75         |       |       | 114       | 169     | 20670         |
| 15.00         |       |       | 114       | 169     | 20670         |
| 15.08         | 19/32 |       | 120       | 178     | 20670         |
| 15.25         |       |       | 120       | 178     | 20670         |
| 15.48         | 39/64 |       | 120       | 178     | 21940         |
| 15.50         |       |       | 120       | 178     | 21940         |
| 15.75         |       |       | 120       | 178     | 23150         |
| 15.87         | 5/8   |       | 120       | 178     | 23150         |
| 16.00         |       |       | 120       | 178     | 23150         |

|                                           |           |
|-------------------------------------------|-----------|
| Jobber Drill Set 1/16" to 1/4" (13 pc)    | : - 1690  |
| Jobber Drill Set 2.00 to 8.00 mm (13 pc)  | : - 2522  |
| Jobber Drill Set 1/16" to 1/2" (29 pc)    | : - 14819 |
| Jobber Drill Set 1/8" to 1/4" (4 pc)      | : - 620   |
| Jobber Drill Set 3/32" to 1/4" (7 pc)     | : - 994   |
| Jobber Drill Set 1/16" to 1/2" (29 pc)    | : - 14007 |
| Jobber Drill Set 1.00 to 13.00 mm (25 pc) | : - 10850 |

### Special notes:

1. Intermediate, unlisted sizes, price of the next larger listed size will be charged.
2. Quick Spiral or Slow Spiral drills upto sizes 3.17 mm and sizes over 3.17 mm will be charged 50% and 25% Extra respectively.
3. Jobber Series Drills with Tenon can be supplied at 20% extra for sizes upto 6.50 mm 10% extra for sizes over 6.50 mm.
4. All sizes can be ordered in multiple of 10 only.

# HSS Straight Shank Stub Series Drills

To IS: 5100 / DIN: 1897 / BS: 328 / I.S.O.



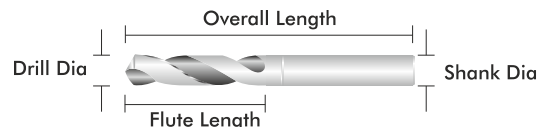
HEAVY MACHINE TOOL - CUTTING DEVICE

w.e.f.  
15<sup>th</sup> Nov 2022

MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 10 NOS.



**STUB**  
STRAIGHT SHANK

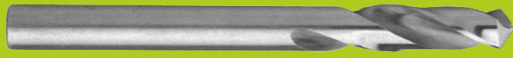


| Size-Diameter |       | Length mm |         | Price<br>10 N |
|---------------|-------|-----------|---------|---------------|
| mm            | inch  | flute     | overall |               |
| 1.00          |       | 6         | 26      | 550           |
| 1.19          | 3/64  | 8         | 30      | 550           |
| 1.20          |       | 8         | 30      | 550           |
| 1.50          |       | 9         | 32      | 550           |
| 1.59          | 1/16  | 10        | 34      | 560           |
| 1.80          |       | 11        | 36      | 560           |
| 1.98          | 5/64  | 12        | 38      | 560           |
| 2.00          |       | 12        | 38      | 540           |
| 2.20          |       | 13        | 40      | 540           |
| 2.38          | 3/32  | 14        | 43      | 540           |
| 2.50          |       | 14        | 43      | 540           |
| 2.78          | 7/64  | 16        | 46      | 540           |
| 2.80          |       | 16        | 46      | 630           |
| 3.00          |       | 16        | 46      | 630           |
| 3.17          | 1/8   | 18        | 49      | 730           |
| 3.20          |       | 18        | 49      | 780           |
| 3.50          |       | 20        | 52      | 780           |
| 3.57          | 9/64  | 20        | 52      | 780           |
| 3.80          |       | 22        | 55      | 1040          |
| 3.97          | 5/32  | 22        | 55      | 1040          |
| 4.00          |       | 22        | 55      | 1040          |
| 4.20          |       | 22        | 55      | 1180          |
| 4.37          | 11/64 | 24        | 58      | 1180          |
| 4.50          |       | 24        | 58      | 1440          |
| 4.76          | 3/16  | 26        | 62      | 1440          |
| 4.80          |       | 26        | 62      | 1440          |
| 5.00          |       | 26        | 62      | 1560          |
| 5.16          | 13/64 | 26        | 62      | 1560          |
| 5.20          |       | 26        | 62      | 1560          |
| 5.50          |       | 28        | 66      | 1730          |
| 5.56          | 7/32  | 28        | 66      | 1730          |
| 5.80          |       | 28        | 66      | 1930          |
| 5.95          | 15/64 | 28        | 66      | 1930          |
| 6.00          |       | 28        | 66      | 1970          |
| 6.20          |       | 31        | 70      | 2200          |
| 6.35          | 1/4   | 31        | 70      | 2200          |
| 6.50          |       | 31        | 70      | 2660          |
| 6.75          | 17/64 | 34        | 74      | 2660          |

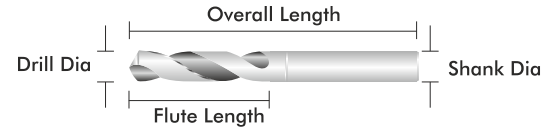
| Size-Diameter |       | Length mm |         | Price<br>10 N |
|---------------|-------|-----------|---------|---------------|
| mm            | inch  | flute     | overall |               |
| 6.80          |       | 34        | 74      | 2660          |
| 7.00          |       | 34        | 74      | 2950          |
| 7.14          | 9/32  | 34        | 74      | 2950          |
| 7.20          |       | 34        | 74      | 2950          |
| 7.50          |       | 34        | 74      | 3020          |
| 7.54          | 19/64 | 37        | 79      | 3320          |
| 7.80          |       | 37        | 79      | 3380          |
| 7.94          | 5/16  | 37        | 79      | 3730          |
| 8.00          |       | 37        | 79      | 3730          |
| 8.20          |       | 37        | 79      | 3730          |
| 8.33          | 21/64 | 37        | 79      | 4790          |
| 8.50          |       | 37        | 79      | 4790          |
| 8.73          | 11/32 | 40        | 84      | 4980          |
| 8.80          |       | 40        | 84      | 4980          |
| 9.00          |       | 40        | 84      | 4980          |
| 9.13          | 23/64 | 40        | 84      | 5260          |
| 9.20          |       | 40        | 84      | 5260          |
| 9.50          |       | 40        | 84      | 5260          |
| 9.52          | 3/8   | 43        | 89      | 5510          |
| 9.80          |       | 43        | 89      | 5830          |
| 9.92          | 25/64 | 43        | 89      | 6730          |
| 10.00         |       | 43        | 89      | 6730          |
| 10.20         |       | 43        | 89      | 6730          |
| 10.32         | 13/32 | 43        | 89      | 7170          |
| 10.50         |       | 43        | 89      | 7170          |
| 10.72         | 27/64 | 47        | 95      | 8110          |
| 10.80         |       | 47        | 95      | 8110          |
| 11.00         |       | 47        | 95      | 8110          |
| 11.11         | 7/16  | 47        | 95      | 8500          |
| 11.20         |       | 47        | 95      | 9000          |
| 11.50         |       | 47        | 95      | 9640          |
| 11.51         | 29/64 | 47        | 95      | 9640          |
| 11.80         |       | 47        | 95      | 9640          |
| 11.91         | 15/32 | 51        | 102     | 9640          |
| 12.00         |       | 51        | 102     | 9640          |
| 12.20         |       | 51        | 102     | 9640          |
| 12.30         | 31/64 | 51        | 102     | 10430         |
| 12.50         |       | 51        | 102     | 10430         |

w.e.f.  
**15<sup>th</sup> Nov 2022**

MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 10 NOS.



**STUB**  
**STRAIGHT SHANK**



| Size-Diameter |       | Length mm |         | Price<br>10 N |
|---------------|-------|-----------|---------|---------------|
| mm            | inch  | flute     | overall |               |
| 12.70         | 1/2   | 51        | 102     | 10720         |
| 12.80         |       | 51        | 102     | 10720         |
| 13.00         |       | 51        | 102     | 10720         |
| 13.20         |       | 51        | 102     | 13170         |
| 13.49         | 17/32 | 54        | 107     | 14080         |
| 13.50         |       | 54        | 107     | 14080         |
| 13.80         |       | 54        | 107     | 14080         |
| 14.00         |       | 54        | 107     | 14640         |
| 14.25         |       | 56        | 111     | 14640         |
| 14.29         | 9/16  | 56        | 111     | 14640         |
| 14.50         |       | 56        | 111     | 15920         |
| 14.75         |       | 56        | 111     | 17290         |
| 15.00         |       | 56        | 111     | 17290         |
| 15.08         | 19/32 | 58        | 115     | 17290         |
| 15.25         |       | 58        | 115     | 17290         |
| 15.50         |       | 58        | 115     | 18760         |
| 15.75         |       | 58        | 115     | 18760         |
| 15.87         | 5/8   | 58        | 115     | 18760         |
| 16.00         |       | 58        | 115     | 18760         |
| 16.25         |       | 60        | 119     | 18840         |
| 16.50         |       | 60        | 119     | 18840         |
| 16.67         | 21/32 | 60        | 119     | 18840         |
| 16.75         |       | 60        | 119     | 19250         |
| 17.00         |       | 60        | 119     | 19250         |
| 17.25         |       | 62        | 123     | 19590         |
| 17.46         | 11/16 | 62        | 123     | 19590         |
| 17.50         |       | 62        | 123     | 19600         |
| 17.75         |       | 62        | 123     | 19900         |
| 18.00         |       | 62        | 123     | 19900         |
| 18.25         |       | 64        | 127     | 20190         |
| 18.26         | 23/32 | 64        | 127     | 20190         |
| 18.50         |       | 64        | 127     | 20190         |
| 18.75         |       | 64        | 127     | 20560         |
| 19.00         |       | 64        | 127     | 20560         |
| 19.05         | 3/4   | 66        | 131     | 20560         |
| 19.25         |       | 66        | 131     | 21010         |
| 19.50         |       | 66        | 131     | 21010         |
| 19.75         |       | 66        | 131     | 21010         |

| Size-Diameter |        | Length mm |         | Price<br>10 N |
|---------------|--------|-----------|---------|---------------|
| mm            | inch   | flute     | overall |               |
| 19.84         | 25/32  | 66        | 131     | 21010         |
| 20.00         |        | 66        | 131     | 21280         |
| 20.25         |        | 68        | 136     | 21780         |
| 20.50         |        | 68        | 136     | 21780         |
| 20.64         | 13/16  | 68        | 136     | 21780         |
| 20.75         |        | 68        | 136     | 22620         |
| 21.00         |        | 68        | 136     | 22620         |
| 21.25         |        | 70        | 141     | 22860         |
| 21.43         | 27/32  | 70        | 141     | 22860         |
| 21.50         |        | 70        | 141     | 22860         |
| 21.75         |        | 70        | 141     | 23990         |
| 22.00         |        | 70        | 141     | 23990         |
| 22.22         | 7/8    | 70        | 141     | 23990         |
| 22.25         |        | 70        | 141     | 25500         |
| 22.50         |        | 72        | 146     | 25500         |
| 22.75         |        | 72        | 146     | 25850         |
| 23.00         |        | 72        | 146     | 25850         |
| 23.02         | 29/32  | 72        | 146     | 25850         |
| 23.25         |        | 72        | 146     | 27320         |
| 23.50         |        | 72        | 146     | 27320         |
| 23.75         |        | 75        | 151     | 27320         |
| 23.81         | 15/16  | 75        | 151     | 27320         |
| 24.00         |        | 75        | 151     | 30190         |
| 24.25         |        | 75        | 151     | 30190         |
| 24.50         |        | 75        | 151     | 30190         |
| 24.61         | 31/32  | 75        | 151     | 30190         |
| 24.75         |        | 75        | 151     | 33150         |
| 25.00         |        | 75        | 151     | 33150         |
| 25.25         |        | 78        | 156     | 33330         |
| 25.40         | 1      | 78        | 156     | 33330         |
| 25.50         |        | 78        | 156     | 37600         |
| 26.00         |        | 78        | 156     | 37600         |
| 26.19         | 1.1/32 | 78        | 156     | 38450         |
| 26.50         |        | 78        | 156     | 38450         |
| 26.99         | 1.1/16 | 81        | 162     | 38830         |
| 27.00         |        | 81        | 162     | 41010         |
| 27.50         |        | 81        | 162     | 41010         |
| 27.78         | 1.3/32 | 81        | 162     | 43330         |

# HSS Straight Shank Stub Series Drills

To IS: 5100 / DIN: 1897 / BS: 328 / I.S.O.



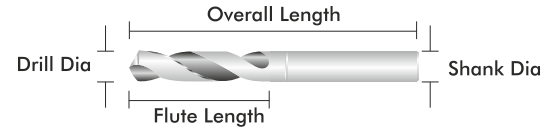
HEAVY MACHINE TOOL - CUTTING DEVICE

w.e.f.  
15<sup>th</sup> Nov 2022

MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 10 NOS.



**STUB**  
STRAIGHT SHANK



| Size-Diameter |         | Length mm |         | Price<br>10 N |
|---------------|---------|-----------|---------|---------------|
| mm            | inch    | flute     | overall |               |
| 28.00         |         | 81        | 162     | 43330         |
| 28.50         |         | 84        | 168     | 43710         |
| 28.57         | 1.1/8   | 84        | 168     | 43710         |
| 29.00         |         | 84        | 168     | 45910         |
| 29.37         | 1.5/32  | 84        | 168     | 50460         |
| 29.50         |         | 84        | 168     | 50460         |
| 30.00         |         | 84        | 168     | 51120         |
| 30.16         | 1.3/16  | 87        | 174     | 51120         |
| 30.50         |         | 87        | 174     | 57540         |
| 30.96         | 1.7/32  | 87        | 174     | 57540         |
| 31.00         |         | 87        | 174     | 57540         |
| 31.50         |         | 87        | 174     | 58370         |
| 31.75         | 1.1/4   | 90        | 180     | 58370         |
| 32.00         |         | 90        | 180     | 59960         |
| 32.50         |         | 90        | 180     | 61450         |
| 32.54         | 1.9/32  | 90        | 180     | 61450         |
| 33.00         |         | 90        | 180     | 61450         |
| 33.34         | 1.5/16  | 90        | 180     | 61450         |
| 33.50         |         | 90        | 180     | 64760         |
| 34.00         |         | 93        | 186     | 64760         |
| 34.13         | 1.11/32 | 93        | 186     | 71070         |
| 34.50         |         | 93        | 186     | 71070         |
| 34.92         | 1.3/8   | 93        | 186     | 71070         |
| 35.00         |         | 93        | 186     | 78080         |
| 35.50         |         | 93        | 186     | 79250         |
| 35.72         | 1.13/32 | 96        | 193     | 79250         |
| 36.00         |         | 96        | 193     | 79250         |
| 36.50         |         | 96        | 193     | 79250         |
| 36.51         | 1.7/16  | 96        | 193     | 79250         |
| 37.00         |         | 96        | 193     | 85140         |
| 37.31         | 1.15/32 | 96        | 193     | 86430         |
| 37.50         |         | 96        | 193     | 86430         |
| 38.00         |         | 100       | 200     | 86430         |
| 38.10         | 1.1/2   | 100       | 200     | 86430         |
| 38.50         |         | 100       | 200     | 96480         |
| 39.00         |         | 100       | 200     | 96480         |
| 39.50         |         | 100       | 200     | 98230         |
| 40.00         |         | 100       | 200     | 98230         |

## Special notes:

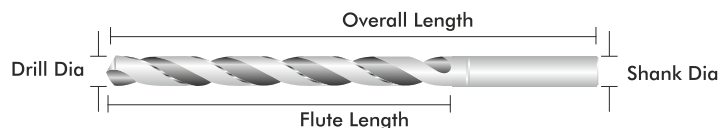
1. Intermediate or non-listed sizes, price of the next larger listed size will be charged.
2. Quick Spiral or Slow Spiral drills upto sizes 3.17 mm (1/8") and sizes over 3.17 mm (1/8") will be charged 50% and 25% Extra respectively, subject to minimum ordering value worth Rs. 10,000/- per size.
3. All sizes upto dia 13.00mm to be can be ordered in multiple of 10 only.

w.e.f.  
15<sup>th</sup> Nov 2022

MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 1 NO.



**LONG  
SERIES**  
STRAIGHT SHANK



| Size-Diameter |      | Length mm |         | Price<br>1 N |
|---------------|------|-----------|---------|--------------|
| mm            | inch | flute     | overall |              |
| 1.00          |      | 33        | 56      | 375          |
| 1.10          |      | 37        | 60      | 375          |
| 1.19          | 3/64 | 41        | 65      | 375          |
| 1.20          |      | 41        | 65      | 375          |
| 1.30          |      | 41        | 65      | 375          |
| 1.40          |      | 45        | 70      | 375          |
| 1.50          |      | 45        | 70      | 375          |
| 1.59          | 1/16 | 50        | 76      | 375          |
| 1.60          |      | 50        | 76      | 375          |
| 1.70          |      | 50        | 76      | 375          |
| 1.80          |      | 53        | 80      | 375          |
| 1.90          |      | 53        | 80      | 375          |
| 1.98          | 5/64 | 56        | 85      | 375          |
| 2.00          |      | 56        | 85      | 375          |
| 2.10          |      | 56        | 85      | 375          |
| 2.20          |      | 59        | 90      | 375          |
| 2.30          |      | 59        | 90      | 470          |
| 2.38          | 3/32 | 62        | 95      | 470          |
| 2.40          |      | 62        | 95      | 470          |
| 2.50          |      | 62        | 95      | 470          |
| 2.60          |      | 62        | 95      | 470          |
| 2.70          |      | 66        | 100     | 470          |
| 2.78          | 7/64 | 66        | 100     | 470          |
| 2.80          |      | 66        | 100     | 470          |
| 2.90          |      | 66        | 100     | 470          |
| 3.00          |      | 66        | 100     | 470          |
| 3.10          |      | 69        | 106     | 470          |
| 3.17          | 1/8  | 69        | 106     | 470          |
| 3.20          |      | 69        | 106     | 470          |
| 3.30          |      | 69        | 106     | 470          |
| 3.40          |      | 73        | 112     | 470          |
| 3.50          |      | 73        | 112     | 470          |
| 3.57          | 9/64 | 73        | 112     | 470          |
| 3.60          |      | 73        | 112     | 470          |
| 3.70          |      | 73        | 112     | 511          |
| 3.80          |      | 78        | 119     | 511          |
| 3.90          |      | 78        | 119     | 511          |
| 3.97          | 5/32 | 78        | 119     | 511          |

| Size-Diameter |       | Length mm |         | Price<br>1 N |
|---------------|-------|-----------|---------|--------------|
| mm            | inch  | flute     | overall |              |
| 4.00          |       | 78        | 119     | 511          |
| 4.10          |       | 78        | 119     | 511          |
| 4.20          |       | 78        | 119     | 511          |
| 4.30          |       | 82        | 126     | 511          |
| 4.37          | 11/64 | 82        | 126     | 511          |
| 4.40          |       | 82        | 126     | 511          |
| 4.50          |       | 82        | 126     | 511          |
| 4.60          |       | 82        | 126     | 511          |
| 4.70          |       | 82        | 126     | 511          |
| 4.76          | 3/16  | 87        | 132     | 511          |
| 4.80          |       | 87        | 132     | 511          |
| 4.90          |       | 87        | 132     | 587          |
| 5.00          |       | 87        | 132     | 587          |
| 5.10          |       | 87        | 132     | 587          |
| 5.16          | 13/64 | 87        | 132     | 587          |
| 5.20          |       | 87        | 132     | 587          |
| 5.30          |       | 87        | 132     | 684          |
| 5.40          |       | 91        | 139     | 684          |
| 5.50          |       | 91        | 139     | 684          |
| 5.56          | 7/32  | 91        | 139     | 684          |
| 5.60          |       | 91        | 139     | 763          |
| 5.70          |       | 91        | 139     | 763          |
| 5.80          |       | 91        | 139     | 763          |
| 5.90          |       | 91        | 139     | 763          |
| 5.95          | 15/64 | 91        | 139     | 763          |
| 6.00          |       | 91        | 139     | 763          |
| 6.10          |       | 97        | 148     | 860          |
| 6.20          |       | 97        | 148     | 860          |
| 6.30          |       | 97        | 148     | 860          |
| 6.35          | 1/4   | 97        | 148     | 860          |
| 6.40          |       | 97        | 148     | 1094         |
| 6.50          |       | 97        | 148     | 1094         |
| 6.60          |       | 97        | 148     | 1309         |
| 6.70          |       | 97        | 148     | 1309         |
| 6.75          | 17/64 | 102       | 156     | 1309         |
| 6.80          |       | 102       | 156     | 1309         |
| 6.90          |       | 102       | 156     | 1309         |
| 7.00          |       | 102       | 156     | 1309         |



# HSS Straight Shank Long Series Drills

To IS: 5102 / DIN: 340 / BS: 328 / I.S.O.



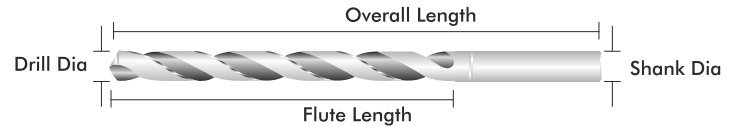
HEAVY MACHINE TOOL - CUTTING DEVICE

w.e.f.  
15<sup>th</sup> Nov 2022

MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 1 NO.



**LONG  
SERIES**  
STRAIGHT SHANK



| Size-Diameter |       | Length mm |         | Price<br>1 N |
|---------------|-------|-----------|---------|--------------|
| mm            | inch  | flute     | overall |              |
| 7.10          |       | 102       | 156     | 1309         |
| 7.14          | 9/32  | 102       | 156     | 1309         |
| 7.20          |       | 102       | 156     | 1309         |
| 7.30          |       | 102       | 156     | 1309         |
| 7.40          |       | 102       | 156     | 1309         |
| 7.50          |       | 102       | 156     | 1309         |
| 7.54          | 19/64 | 109       | 165     | 1309         |
| 7.60          |       | 109       | 165     | 1309         |
| 7.70          |       | 109       | 165     | 1309         |
| 7.80          |       | 109       | 165     | 1309         |
| 7.90          |       | 109       | 165     | 1347         |
| 7.94          | 5/16  | 109       | 165     | 1347         |
| 8.00          |       | 109       | 165     | 1347         |
| 8.10          |       | 109       | 165     | 1347         |
| 8.20          |       | 109       | 165     | 1347         |
| 8.30          |       | 109       | 165     | 1347         |
| 8.33          | 21/64 | 109       | 165     | 1347         |
| 8.40          |       | 109       | 165     | 1347         |
| 8.50          |       | 109       | 165     | 1366         |
| 8.60          |       | 115       | 175     | 1427         |
| 8.70          |       | 115       | 175     | 1427         |
| 8.73          | 11/32 | 115       | 175     | 1427         |
| 8.80          |       | 115       | 175     | 1719         |
| 9.00          |       | 115       | 175     | 1719         |
| 9.13          | 23/64 | 115       | 175     | 1719         |
| 9.20          |       | 115       | 175     | 1719         |
| 9.50          |       | 115       | 175     | 1719         |
| 9.52          | 3/8   | 121       | 184     | 1719         |
| 9.80          |       | 121       | 184     | 1736         |
| 9.92          | 25/64 | 121       | 184     | 1736         |
| 10.00         |       | 121       | 184     | 1736         |
| 10.20         |       | 121       | 184     | 1736         |
| 10.32         | 13/32 | 121       | 184     | 1736         |
| 10.50         |       | 121       | 184     | 1873         |
| 10.72         | 27/64 | 128       | 195     | 2126         |
| 10.80         |       | 128       | 195     | 2126         |
| 11.00         |       | 128       | 195     | 2126         |
| 11.11         | 7/16  | 128       | 195     | 2126         |

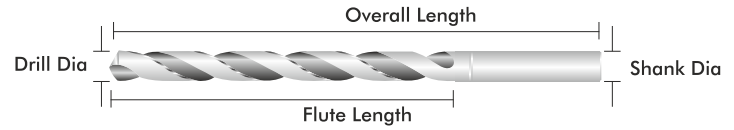
| Size-Diameter |       | Length mm |         | Price<br>1 N |
|---------------|-------|-----------|---------|--------------|
| mm            | inch  | flute     | overall |              |
| 11.20         |       | 128       | 195     | 2284         |
| 11.50         |       | 128       | 195     | 2284         |
| 11.51         | 29/64 | 128       | 195     | 2284         |
| 11.80         |       | 128       | 195     | 2284         |
| 11.91         | 15/32 | 134       | 205     | 2284         |
| 12.00         |       | 134       | 205     | 2284         |
| 12.20         |       | 134       | 205     | 2319         |
| 12.30         | 31/64 | 134       | 205     | 2319         |
| 12.50         |       | 134       | 205     | 2319         |
| 12.70         | 1/2   | 134       | 205     | 2319         |
| 12.80         |       | 134       | 205     | 3177         |
| 13.00         |       | 134       | 205     | 3177         |
| 13.10         | 33/64 | 134       | 205     | 3217         |
| 13.20         |       | 134       | 205     | 3217         |
| 13.49         | 17/32 | 140       | 214     | 3217         |
| 13.50         |       | 140       | 214     | 3217         |
| 13.80         |       | 140       | 214     | 3490         |
| 13.89         | 35/64 | 140       | 214     | 3490         |
| 14.00         |       | 140       | 214     | 3217         |
| 14.25         |       | 144       | 220     | 3217         |
| 14.29         | 9/16  | 144       | 220     | 3217         |
| 14.50         |       | 144       | 220     | 3372         |
| 14.68         | 37/64 | 144       | 220     | 3703         |
| 14.75         |       | 144       | 220     | 3372         |
| 15.00         |       | 144       | 220     | 3372         |
| 15.08         | 19/32 | 149       | 227     | 3372         |
| 15.25         |       | 149       | 227     | 3490         |
| 15.50         |       | 149       | 227     | 3490         |
| 15.75         |       | 149       | 227     | 3490         |
| 15.87         | 5/8   | 149       | 227     | 3490         |
| 16.00         |       | 149       | 227     | 3550         |
| 16.25         |       | 154       | 235     | 3550         |
| 16.27         | 41/64 | 154       | 235     | 3955         |
| 16.50         |       | 154       | 235     | 3625         |
| 16.67         | 21/32 | 154       | 235     | 3625         |
| 16.75         |       | 154       | 235     | 3703         |
| 17.00         |       | 154       | 235     | 3703         |
| 17.07         | 43/64 | 158       | 241     | 4013         |

w.e.f.  
15<sup>th</sup> Nov 2022

MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 1 NO.



**LONG  
SERIES**  
STRAIGHT SHANK



| Size-Diameter |       | Length mm |         | Price<br>1 N |
|---------------|-------|-----------|---------|--------------|
| mm            | inch  | flute     | overall |              |
| 17.25         |       | 158       | 241     | 3703         |
| 17.46         | 11/16 | 158       | 241     | 3703         |
| 17.50         |       | 158       | 241     | 3955         |
| 17.75         |       | 158       | 241     | 3955         |
| 17.86         | 45/64 | 158       | 241     | 4369         |
| 18.00         |       | 158       | 241     | 4013         |
| 18.25         |       | 162       | 247     | 4013         |
| 18.26         | 23/32 | 162       | 247     | 4013         |
| 18.50         |       | 162       | 247     | 4191         |
| 18.65         | 47/64 | 162       | 247     | 4598         |
| 18.75         |       | 162       | 247     | 4270         |
| 19.00         |       | 162       | 247     | 4270         |
| 19.05         | 3/4   | 166       | 254     | 4270         |
| 19.25         |       | 166       | 254     | 4503         |
| 19.45         | 49/64 | 166       | 254     | 4931         |
| 19.50         |       | 166       | 254     | 4503         |
| 19.75         | 25/32 | 166       | 254     | 4503         |
| 19.84         |       | 166       | 254     | 4503         |
| 20.00         |       | 166       | 254     | 4794         |
| 20.24         | 51/64 | 171       | 261     | 5086         |
| 20.25         |       | 171       | 261     | 4794         |
| 20.50         |       | 171       | 261     | 4794         |
| 20.64         | 13/16 | 171       | 261     | 4794         |
| 20.75         |       | 171       | 261     | 4931         |
| 21.00         |       | 171       | 261     | 4931         |
| 21.03         | 53/64 | 171       | 261     | 5400         |
| 21.25         |       | 176       | 268     | 5086         |
| 21.43         | 27/32 | 176       | 268     | 5086         |
| 21.50         |       | 176       | 268     | 5400         |
| 21.75         |       | 176       | 268     | 5400         |
| 21.83         | 55/64 | 176       | 268     | 5769         |
| 22.00         |       | 176       | 268     | 5400         |
| 22.22         | 7/8   | 176       | 268     | 5400         |
| 22.25         |       | 176       | 268     | 5826         |
| 22.50         |       | 180       | 275     | 5826         |
| 22.62         | 57/64 | 180       | 275     | 6235         |
| 22.75         |       | 180       | 275     | 5963         |
| 23.00         |       | 180       | 275     | 5963         |
| 23.02         | 29/32 | 180       | 275     | 5963         |
| 23.25         |       | 180       | 275     | 6061         |
| 23.42         | 59/64 | 180       | 275     | 7130         |
| 23.50         |       | 180       | 275     | 6627         |
| 23.75         |       | 185       | 282     | 6627         |
| 23.81         | 15/16 | 185       | 282     | 6627         |
| 24.00         |       | 185       | 282     | 6897         |
| 24.21         | 61/64 | 185       | 282     | 7539         |
| 24.25         |       | 185       | 282     | 6897         |
| 24.50         |       | 185       | 282     | 6897         |
| 24.61         | 31/32 | 185       | 282     | 6897         |

| Size-Diameter |         | Length mm |         | Price<br>1 N |
|---------------|---------|-----------|---------|--------------|
| mm            | inch    | flute     | overall |              |
| 24.75         |         | 185       | 282     | 7406         |
| 25.00         | 63/64   | 185       | 282     | 7406         |
| 25.25         |         | 190       | 290     | 7504         |
| 25.40         | 1       | 190       | 290     | 7504         |
| 25.50         |         | 190       | 290     | 9235         |
| 25.75         |         | 190       | 290     | 9235         |
| 25.80         | 1.1/64  | 190       | 290     | 9428         |
| 26.00         |         | 190       | 290     | 9428         |
| 26.19         | 1.1/32  | 190       | 290     | 9428         |
| 26.25         |         | 190       | 290     | 10170        |
| 26.50         |         | 190       | 290     | 10170        |
| 26.59         | 1.3/64  | 195       | 298     | 10383        |
| 26.75         |         | 195       | 298     | 10383        |
| 26.99         | 1.1/16  | 195       | 298     | 10383        |
| 27.00         |         | 195       | 298     | 10598        |
| 27.25         |         | 195       | 298     | 10598        |
| 27.38         | 1.5/64  | 195       | 298     | 10715        |
| 27.50         |         | 195       | 298     | 10715        |
| 27.75         |         | 195       | 298     | 10715        |
| 27.78         | 1.3/32  | 195       | 298     | 10715        |
| 28.00         |         | 195       | 298     | 11709        |
| 28.18         | 1.7/64  | 201       | 307     | 11865        |
| 28.25         |         | 201       | 307     | 11865        |
| 28.50         |         | 201       | 307     | 11865        |
| 28.57         | 1.1/8   | 201       | 307     | 11865        |
| 28.75         |         | 201       | 307     | 11962        |
| 28.97         | 1.9/64  | 201       | 307     | 12198        |
| 29.00         |         | 201       | 307     | 12198        |
| 29.25         |         | 201       | 307     | 12198        |
| 29.37         | 1.5/32  | 201       | 307     | 12198        |
| 29.50         |         | 201       | 307     | 12350        |
| 29.75         |         | 201       | 307     | 12350        |
| 29.77         | 1.11/64 | 201       | 307     | 12602        |
| 30.00         |         | 201       | 307     | 12602        |
| 30.16         | 1.3/16  | 207       | 316     | 12602        |
| 30.25         |         | 207       | 316     | 13401        |
| 30.50         |         | 207       | 316     | 13401        |
| 30.56         | 1.13/64 | 207       | 316     | 13635        |
| 30.75         |         | 207       | 316     | 13635        |
| 30.96         | 1.7/32  | 207       | 316     | 13635        |
| 31.00         |         | 207       | 316     | 15177        |
| 31.25         |         | 207       | 316     | 15177        |
| 31.35         | 1.15/64 | 207       | 316     | 15720        |
| 31.50         |         | 207       | 316     | 15720        |

**Special notes:**

- Intermediate, unlisted sizes, price of the next larger listed size will be charged.
- Quick Spiral or Slow Spiral drills upto sizes 3.17 mm and sizes over 3.17 mm will be charged 70% and 35% Extra respectively.
- Long Series Drills with Tenon can be supplied at 10% extra for sizes upto 6.50 mm 5% extra for sizes over 6.50 mm.
- The minimum ordering value per size should be worth Rs. 10,000/-

# HSS Straight Shank Extra Long Series Drills

To IS: 7823 / DIN: 340 / BS: 328 / I.S.O.



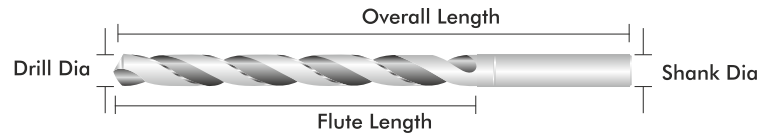
HEAVY MACHINE TOOL - CUTTING DEVICE

w.e.f.  
15<sup>th</sup> Nov 2022

MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 1 NO.



**EXTRA LONG  
SERIES**  
STRAIGHT SHANK



| Size |       | Over all Length in mm |      |      |      |      |
|------|-------|-----------------------|------|------|------|------|
| mm   | inch  | 50                    | 100  | 125  | 150  | 175  |
| 0.50 |       | 1115                  |      |      |      |      |
| 0.60 |       | 1034                  |      |      |      |      |
| 0.70 | 1/32  |                       | 1014 |      |      |      |
| 0.80 |       | 710                   |      |      |      |      |
| 0.90 |       |                       |      |      |      |      |
| 1.00 |       |                       | 691  |      |      |      |
| 1.10 |       |                       | 691  |      |      |      |
| 1.20 | 3/64  |                       | 691  |      |      |      |
| 1.30 |       |                       | 691  |      | 1075 |      |
| 1.40 |       |                       | 691  |      |      |      |
| 1.50 |       |                       | 691  | 912  | 1014 |      |
| 1.60 | 1/16  |                       | 652  | 852  | 1014 |      |
| 1.70 |       |                       | 652  | 873  | 1014 |      |
| 1.80 |       |                       | 652  | 873  | 1014 |      |
| 1.90 |       |                       |      | 873  | 1014 |      |
| 2.00 | 5/64  |                       | 873  | 873  | 1056 |      |
| 2.10 |       |                       |      | 873  | 1581 |      |
| 2.20 |       |                       |      | 873  | 1056 |      |
| 2.30 |       |                       |      | 873  | 1056 |      |
| 2.40 | 3/32  |                       |      | 873  | 1056 |      |
| 2.50 |       |                       | 1258 | 1258 | 1500 |      |
| 2.60 |       |                       |      |      |      |      |
| 2.70 |       |                       |      | 1238 | 1500 |      |
| 2.80 | 7/64  |                       |      | 1238 | 1500 |      |
| 2.90 |       |                       |      |      |      |      |
| 3.00 |       |                       |      | 1177 | 1419 | 1700 |
| 3.17 | 1/8   |                       |      |      | 1419 | 1700 |
| 3.50 | 9/64  |                       |      |      | 1482 | 1700 |
| 3.97 | 5/32  |                       |      |      | 1399 | 1700 |
| 4.00 |       |                       |      | 1399 | 1399 |      |
| 4.50 | 11/64 |                       |      |      | 1419 | 1761 |
| 4.76 | 3/16  |                       |      |      | 1460 | 1782 |
| 5.00 |       |                       |      |      | 1460 | 1782 |
| 5.50 | 13/64 |                       |      |      | 1542 | 1884 |
| 5.56 | 7/32  |                       |      |      |      |      |
| 6.00 | 15/64 |                       |      |      | 1581 | 1945 |
| 6.35 | 1/4   |                       |      |      |      |      |
| 9.00 |       |                       |      |      | 2147 |      |

| Size  |       | Over all Length in mm |      |      |      |      |      |       |       |
|-------|-------|-----------------------|------|------|------|------|------|-------|-------|
| mm    | inch  | 200                   | 225  | 250  | 275  | 300  | 325  | 350   | 375   |
| 2.50  |       |                       | 2451 |      |      |      |      |       |       |
| 2.60  |       |                       |      |      |      |      |      |       |       |
| 2.70  |       |                       |      |      |      |      |      |       |       |
| 2.80  | 7/64  | 1682                  |      |      |      |      |      |       |       |
| 2.90  |       |                       |      |      |      |      |      |       |       |
| 3.00  |       | 1945                  | 2289 | 2733 | 3462 | 3807 |      |       |       |
| 3.17  |       | 1945                  | 2289 | 2733 | 3462 | 3807 |      |       |       |
| 3.50  |       | 1965                  | 2651 | 2936 | 3887 | 4275 |      | 5404  |       |
| 3.97  |       | 1945                  | 2651 | 2956 | 3887 | 4275 | 4892 | 5343  | 5989  |
| 4.00  |       | 1945                  | 2651 | 2956 | 3887 | 4275 | 4892 | 5343  | 5989  |
| 4.50  |       | 2004                  | 2651 | 2956 | 3887 | 4275 | 4992 | 5482  | 6109  |
| 4.76  |       | 2046                  | 2713 | 3018 | 3905 | 4296 | 5091 | 5584  | 6230  |
| 5.00  |       | 2046                  | 2713 | 3018 | 3905 | 4296 | 5091 | 5584  | 6230  |
| 5.50  |       | 2168                  | 2896 | 3218 | 4310 | 4743 | 5123 | 5606  | 6271  |
| 5.56  |       | 2168                  |      | 3218 | 4310 | 4743 | 5123 | 5606  | 6271  |
| 6.00  |       | 2206                  | 2975 | 3299 | 4270 | 4698 | 5123 |       | 6271  |
| 6.35  |       | 2773                  |      | 4127 | 4512 | 4963 | 6545 | 7181  | 8008  |
| 6.50  |       | 2773                  |      | 4127 | 4512 | 4963 | 6545 | 7181  | 8008  |
| 7.00  | 17/64 | 2794                  |      | 4169 | 4815 | 5297 | 6610 | 7282  | 8090  |
| 7.14  | 9/32  | 2956                  |      | 4634 | 5320 | 5854 | 6942 | 7687  | 8493  |
| 7.50  | 19/64 | 2956                  |      | 4410 | 5320 | 5854 | 6942 | 7687  | 8493  |
| 7.94  | 5/16  | 3259                  |      |      | 5545 | 6098 | 7635 | 8493  | 9345  |
| 8.00  |       | 3259                  | 3702 | 4874 | 5545 | 6098 | 7635 | 8493  | 9345  |
| 8.50  | 21/64 | 3218                  |      | 4613 | 5606 | 6167 | 7643 | 8495  | 9353  |
| 8.73  | 11/32 | 3218                  |      | 4572 | 5606 | 6167 | 7643 | 8495  | 9353  |
| 9.00  |       | 3199                  |      | 4572 | 5606 | 6167 | 7683 | 8552  | 9400  |
| 9.50  | 23/64 | 3319                  |      | 4755 | 5584 | 6145 | 7912 | 8888  | 9683  |
| 9.52  | 3/8   | 3319                  |      | 4755 | 5726 | 6299 | 7912 | 8888  | 9683  |
| 10.00 | 25/64 | 3382                  |      | 4654 | 5845 | 6430 | 8097 | 9141  | 9909  |
| 10.32 | 13/32 | 3661                  |      | 5058 | 6151 | 6766 | 8286 | 9392  | 10141 |
| 10.50 |       | 3661                  |      | 5058 | 6151 | 6766 | 8286 | 9392  | 10141 |
| 11.00 | 27/64 |                       |      | 5016 | 6251 | 6878 | 8287 | 9389  | 10146 |
| 11.11 | 7/16  |                       |      | 5016 | 6251 | 6878 | 8287 | 9389  | 10146 |
| 11.50 | 29/64 |                       |      | 5343 | 6715 | 7387 | 8360 | 9546  | 10232 |
| 11.91 | 15/32 |                       |      | 5361 | 6715 | 7387 | 8360 | 9587  | 10232 |
| 12.00 |       |                       |      | 5361 | 6857 | 7543 | 8360 | 9587  | 10232 |
| 12.50 | 31/64 |                       |      | 5682 | 6857 | 7543 | 8774 | 10155 | 10738 |
| 12.70 | 1/2   |                       |      |      | 6857 | 7543 | 8774 | 10155 | 10738 |

## Special notes:

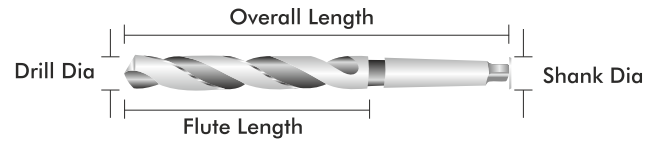
1. Intermediate, unlisted sizes (in Dia and Length) price of next larger listed size will be charged.
2. For sizes below dia 9.00 mm max. Flute length which can be provided is 350mm.
3. For specials and unlisted sizes please refer to us.
4. Minimum ordering value per size should be worth Rs. 15,000/- gross.
5. Other details will be mentioned as per IS:7823.

w.e.f.  
**15<sup>th</sup> Nov 2022**

MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 1 NO.



**TWIST**  
TAPER SHANK



| Size-Diameter |       | Length mm |         | Price<br>1 N |
|---------------|-------|-----------|---------|--------------|
| mm            | inch  | flute     | overall |              |
| MT1           |       |           |         |              |
| 3.00          |       | 33        | 114     | 563          |
| 3.17          | 1/8   | 36        | 117     | 563          |
| 3.20          |       | 36        | 117     | 581          |
| 3.50          |       | 39        | 120     | 581          |
| 3.57          | 9/64  | 39        | 120     | 581          |
| 3.80          |       | 43        | 124     | 581          |
| 3.97          | 5/32  | 43        | 124     | 581          |
| 4.00          |       | 43        | 124     | 581          |
| 4.20          |       | 43        | 124     | 758          |
| 4.37          | 11/64 | 47        | 128     | 758          |
| 4.50          |       | 47        | 128     | 758          |
| 4.76          | 3/16  | 52        | 133     | 758          |
| 4.80          |       | 52        | 133     | 758          |
| 5.00          |       | 52        | 133     | 758          |
| 5.16          | 13/64 | 52        | 133     | 758          |
| 5.20          |       | 52        | 133     | 758          |
| 5.50          |       | 57        | 138     | 758          |
| 5.56          | 7/32  | 57        | 138     | 758          |
| 5.80          |       | 57        | 138     | 758          |
| 5.95          | 15/64 | 57        | 138     | 758          |
| 6.00          |       | 57        | 138     | 758          |
| 6.20          |       | 63        | 144     | 870          |
| 6.35          | 1/4   | 63        | 144     | 870          |
| 6.50          |       | 63        | 144     | 870          |
| 6.75          | 17/64 | 69        | 150     | 870          |
| 6.80          |       | 69        | 150     | 870          |
| 7.00          |       | 69        | 150     | 922          |
| 7.14          | 9/32  | 69        | 150     | 922          |
| 7.20          |       | 69        | 150     | 922          |
| 7.50          |       | 69        | 150     | 922          |
| 7.54          | 19/64 | 75        | 156     | 922          |
| 7.80          |       | 75        | 156     | 922          |
| 7.94          | 5/16  | 75        | 156     | 922          |
| 8.00          |       | 75        | 156     | 922          |
| 8.20          |       | 75        | 156     | 1044         |
| 8.33          | 21/64 | 75        | 156     | 1100         |
| 8.50          |       | 75        | 156     | 1100         |

| Size-Diameter |       | Length mm |         | Price<br>1 N |
|---------------|-------|-----------|---------|--------------|
| mm            | inch  | flute     | overall |              |
| 8.73          | 11/32 | 81        | 162     | 1100         |
| 8.80          |       | 81        | 162     | 1158         |
| 9.00          |       | 81        | 162     | 1158         |
| 9.13          | 23/64 | 81        | 162     | 1158         |
| 9.20          |       | 81        | 162     | 1158         |
| 9.50          |       | 81        | 162     | 1158         |
| 9.52          | 3/8   | 87        | 168     | 1158         |
| 9.80          |       | 87        | 168     | 1239         |
| 9.92          | 25/64 | 87        | 168     | 1313         |
| 10.00         |       | 87        | 168     | 1313         |
| 10.20         |       | 87        | 168     | 1313         |
| 10.32         | 13/32 | 87        | 168     | 1313         |
| 10.50         |       | 87        | 168     | 1603         |
| 10.72         | 27/64 | 94        | 175     | 1667         |
| 10.80         |       | 94        | 175     | 1667         |
| 11.00         |       | 94        | 175     | 1667         |
| 11.11         | 7/16  | 94        | 175     | 1667         |
| 11.20         |       | 94        | 175     | 1667         |
| 11.50         |       | 94        | 175     | 1667         |
| 11.51         | 29/64 | 94        | 175     | 1667         |
| 11.80         |       | 94        | 175     | 1667         |
| 11.91         | 15/32 | 101       | 182     | 1791         |
| 12.00         |       | 101       | 182     | 1667         |
| 12.20         |       | 101       | 182     | 1667         |
| 12.30         | 31/64 | 101       | 182     | 1667         |
| 12.50         |       | 101       | 182     | 1667         |
| 12.70         | 1/2   | 101       | 182     | 1667         |
| 12.80         |       | 101       | 182     | 1667         |
| 13.00         |       | 101       | 182     | 2241         |
| 13.10         | 33/64 | 101       | 182     | 2335         |
| 13.20         |       | 101       | 182     | 2335         |
| 13.49         | 17/32 | 108       | 189     | 2335         |
| 13.50         |       | 108       | 189     | 2510         |
| 13.80         |       | 108       | 189     | 2510         |
| 13.89         | 35/64 | 108       | 189     | 2608         |
| 14.00         |       | 108       | 189     | 2608         |
| MT2           |       |           |         |              |
| 14.25         |       | 114       | 212     | 2731         |

# HSS Taper Shank Twist Drills

To IS: 5103 / DIN: 345 / BS: 328 / I.S.O.



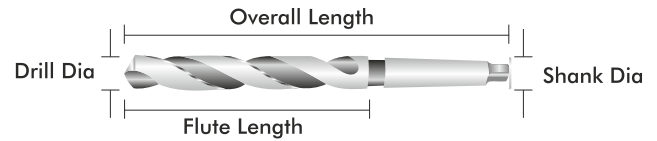
HEAVY MACHINE TOOL - CUTTING DEVICE

w.e.f.  
15<sup>th</sup> Nov 2022

MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 1 NO.



**TWIST**  
TAPER SHANK



| Size-Diameter |       | Length mm |         | Price<br>1 N |
|---------------|-------|-----------|---------|--------------|
| mm            | inch  | flute     | overall |              |
| 14.29         | 9/16  | 114       | 212     | 2731         |
| 14.50         |       | 114       | 212     | 2854         |
| 14.68         | 37/64 | 114       | 212     | 2854         |
| 14.75         |       | 114       | 212     | 2854         |
| 15.00         |       | 114       | 212     | 2854         |
| 15.08         | 19/32 | 120       | 218     | 3018         |
| 15.25         |       | 120       | 218     | 3059         |
| 15.48         | 39/64 | 120       | 218     | 3059         |
| 15.50         |       | 120       | 218     | 3059         |
| 15.75         |       | 120       | 218     | 3059         |
| 15.87         | 5/8   | 120       | 218     | 3059         |
| 16.00         |       | 120       | 218     | 3079         |
| 16.25         |       | 125       | 223     | 3079         |
| 16.27         | 41/64 | 125       | 223     | 3079         |
| 16.50         |       | 125       | 223     | 3148         |
| 16.67         | 21/32 | 125       | 223     | 3148         |
| 16.75         |       | 125       | 223     | 3148         |
| 17.00         |       | 125       | 223     | 3148         |
| 17.07         | 43/64 | 130       | 228     | 3148         |
| 17.25         |       | 130       | 228     | 3148         |
| 17.46         | 11/16 | 130       | 228     | 3209         |
| 17.50         |       | 130       | 228     | 3329         |
| 17.75         |       | 130       | 228     | 3369         |
| 17.86         | 45/64 | 130       | 228     | 3641         |
| 18.00         |       | 130       | 228     | 3641         |
| 18.25         |       | 135       | 233     | 3641         |
| 18.26         | 23/32 | 135       | 233     | 3641         |
| 18.50         |       | 135       | 233     | 3641         |
| 18.65         | 47/64 | 135       | 233     | 3641         |
| 18.75         |       | 135       | 233     | 3641         |
| 19.00         |       | 135       | 233     | 3641         |
| 19.05         | 3/4   | 140       | 238     | 3641         |
| 19.25         |       | 140       | 238     | 3800         |
| 19.45         | 49/64 | 140       | 238     | 3800         |
| 19.50         |       | 140       | 238     | 3800         |
| 19.75         |       | 140       | 238     | 3800         |
| 19.84         | 25/32 | 140       | 238     | 3800         |
| 20.00         |       | 140       | 238     | 4010         |

| Size-Diameter |        | Length mm |         | Price<br>1 N |
|---------------|--------|-----------|---------|--------------|
| mm            | inch   | flute     | overall |              |
| 20.24         | 51/64  | 145       | 243     | 4146         |
| 20.25         |        | 145       | 243     | 4146         |
| 20.50         |        | 145       | 243     | 4146         |
| 20.64         | 13/16  | 145       | 243     | 4146         |
| 20.75         |        | 145       | 243     | 4310         |
| 21.00         |        | 145       | 243     | 4310         |
| 21.03         | 53/64  | 145       | 243     | 4492         |
| 21.25         |        | 150       | 248     | 4492         |
| 21.43         | 27/32  | 150       | 248     | 4492         |
| 21.50         |        | 150       | 248     | 4556         |
| 21.75         |        | 150       | 248     | 4556         |
| 21.83         | 55/64  | 150       | 248     | 4637         |
| 22.00         |        | 150       | 248     | 4637         |
| 22.22         | 7/8    | 150       | 248     | 4637         |
| 22.25         |        | 150       | 248     | 4972         |
| 22.50         |        | 155       | 253     | 4972         |
| 22.62         | 57/64  | 155       | 253     | 5146         |
| 22.75         |        | 155       | 253     | 5146         |
| 23.00         |        | 155       | 253     | 5146         |
| 23.02         | 29/32  | 155       | 253     | 5414         |
| MT3           |        |           |         |              |
| 23.25         |        | 155       | 276     | 6148         |
| 23.42         | 59/64  | 155       | 276     | 6148         |
| 23.50         |        | 155       | 276     | 6148         |
| 23.75         |        | 160       | 281     | 6148         |
| 23.81         | 15/16  | 160       | 281     | 6148         |
| 24.00         |        | 160       | 281     | 6309         |
| 24.21         | 61/64  | 160       | 281     | 6309         |
| 24.25         |        | 160       | 281     | 6309         |
| 24.50         |        | 160       | 281     | 6431         |
| 24.61         | 31/32  | 160       | 281     | 6431         |
| 24.75         |        | 160       | 281     | 6717         |
| 25.00         | 63/64  | 160       | 281     | 6717         |
| 25.25         |        | 165       | 286     | 6798         |
| 25.40         | 1      | 165       | 286     | 6798         |
| 25.50         |        | 165       | 286     | 7757         |
| 25.75         |        | 165       | 286     | 7757         |
| 25.80         | 1.1/64 | 165       | 286     | 7711         |

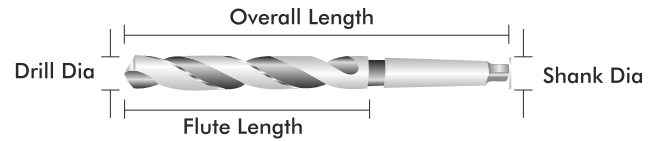


w.e.f.  
**15<sup>th</sup> Nov 2022**

MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 1 NO.



**TWIST**  
TAPER SHANK



| Size-Diameter |         | Length mm |         | Price<br>1 N |
|---------------|---------|-----------|---------|--------------|
| mm            | inch    | flute     | overall |              |
| 26.00         |         | 165       | 286     | 7711         |
| 26.19         | 1.1/32  | 165       | 286     | 7711         |
| 26.25         |         | 165       | 286     | 7755         |
| 26.50         |         | 165       | 286     | 8652         |
| 26.59         | 1.3/64  | 170       | 291     | 8277         |
| 26.75         |         | 170       | 291     | 8277         |
| 26.99         | 1.1/16  | 170       | 291     | 8637         |
| 27.00         |         | 170       | 291     | 8637         |
| 27.25         |         | 170       | 291     | 8637         |
| 27.38         | 1.5/64  | 170       | 291     | 8637         |
| 27.50         |         | 170       | 291     | 8637         |
| 27.75         |         | 170       | 291     | 8637         |
| 27.78         | 1.3/32  | 170       | 291     | 8637         |
| 28.00         |         | 170       | 291     | 9350         |
| 28.18         | 1.7/64  | 175       | 296     | 9370         |
| 28.25         |         | 175       | 296     | 9370         |
| 28.50         |         | 175       | 296     | 9370         |
| 28.57         | 1.1/8   | 175       | 296     | 9370         |
| 28.75         |         | 175       | 296     | 10127        |
| 28.97         | 1.9/64  | 175       | 296     | 9818         |
| 29.00         |         | 175       | 296     | 9818         |
| 29.25         |         | 175       | 296     | 9818         |
| 29.37         | 1.5/32  | 175       | 296     | 9818         |
| 29.50         |         | 175       | 296     | 9855         |
| 29.75         |         | 175       | 296     | 9855         |
| 29.77         | 1.11/64 | 175       | 296     | 10148        |
| 30.00         |         | 175       | 296     | 9862         |
| 30.16         | 1.3/16  | 180       | 301     | 10612        |
| 30.25         |         | 180       | 301     | 11003        |
| 30.50         |         | 180       | 301     | 11003        |
| 30.56         | 1.13/64 | 180       | 301     | 11172        |
| 30.75         |         | 180       | 301     | 11172        |
| 30.96         | 1.7/32  | 180       | 301     | 11172        |
| 31.00         |         | 180       | 301     | 12449        |
| 31.25         |         | 180       | 301     | 12449        |
| 31.35         | 1.15/64 | 180       | 301     | 12990        |
| 31.50         |         | 180       | 301     | 12990        |
| 31.75         | 1.1/4   | 185       | 306     | 14000        |

| Size-Diameter |         | Length mm |         | Price<br>1 N |
|---------------|---------|-----------|---------|--------------|
| mm            | inch    | flute     | overall |              |
| MT4           |         |           |         |              |
| 32.00         |         | 185       | 334     | 14632        |
| 32.15         | 1.17/64 | 185       | 334     | 14632        |
| 32.50         |         | 185       | 334     | 14632        |
| 32.54         | 1.9/32  | 185       | 334     | 14632        |
| 32.94         | 1.19/64 | 185       | 334     | 14981        |
| 33.00         |         | 185       | 334     | 14981        |
| 33.34         | 1.5/16  | 185       | 334     | 14981        |
| 33.50         |         | 185       | 334     | 15630        |
| 33.73         | 1.21/64 | 190       | 339     | 15923        |
| 34.00         |         | 190       | 339     | 15923        |
| 34.13         | 1.11/32 | 190       | 339     | 16445        |
| 34.50         |         | 190       | 339     | 17273        |
| 34.53         | 1.23/64 | 190       | 339     | 17446        |
| 34.92         | 1.3/8   | 190       | 339     | 17446        |
| 35.00         |         | 190       | 339     | 17446        |
| 35.32         | 1.25/64 | 190       | 339     | 18315        |
| 35.50         |         | 190       | 339     | 18315        |
| 35.72         | 1.13/32 | 195       | 344     | 18315        |
| 36.00         |         | 195       | 344     | 18586        |
| 36.12         | 1.27/64 | 195       | 344     | 18969        |
| 36.50         |         | 195       | 344     | 18969        |
| 36.51         | 1.7/16  | 195       | 344     | 18969        |
| 36.91         | 1.29/64 | 195       | 344     | 18969        |
| 37.00         |         | 195       | 344     | 19433        |
| 37.31         | 1.15/32 | 195       | 344     | 19433        |
| 37.50         |         | 195       | 344     | 20705        |
| 37.70         | 1.31/64 | 200       | 349     | 22237        |
| 38.00         |         | 200       | 349     | 22237        |
| 38.10         | 1.1/2   | 200       | 349     | 22237        |
| 38.50         | 1.33/64 | 200       | 349     | 22237        |
| 38.89         | 1.17/32 | 200       | 349     | 22237        |
| 39.00         |         | 200       | 349     | 22958        |
| 39.29         | 1.35/64 | 200       | 349     | 22958        |
| 39.50         |         | 200       | 349     | 22958        |
| 39.69         | 1.9/16  | 200       | 349     | 22958        |
| 40.00         |         | 200       | 349     | 23538        |
| 40.08         | 1.37/64 | 205       | 354     | 23942        |



# HSS Taper Shank Twist Drills

To IS: 5103 / DIN: 345 / BS: 328 / I.S.O.



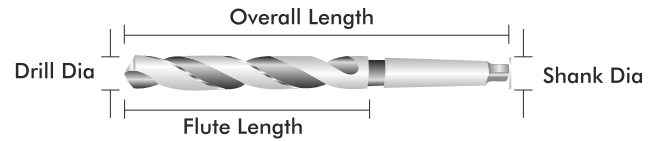
HEAVY MACHINE TOOL - CUTTING DEVICE

w.e.f.  
15<sup>th</sup> Nov 2022

MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 1 NO.



**TWIST**  
TAPER SHANK



| Size-Diameter |         | Length mm |         | Price<br>1 N |
|---------------|---------|-----------|---------|--------------|
| mm            | inch    | flute     | overall |              |
| 40.48         | 1.19/32 | 205       | 354     | 23942        |
| 40.50         |         | 205       | 354     | 24888        |
| 40.88         | 1.39/64 | 205       | 354     | 24888        |
| 41.00         |         | 205       | 354     | 24888        |
| 41.27         | 1.5/8   | 205       | 354     | 24888        |
| 41.50         |         | 205       | 354     | 25871        |
| 41.67         | 1.41/64 | 205       | 354     | 25871        |
| 42.00         |         | 205       | 354     | 26373        |
| 42.07         | 1.21/32 | 205       | 354     | 25871        |
| 42.47         | 1.43/64 | 205       | 354     | 26526        |
| 42.50         |         | 205       | 354     | 26526        |
| 42.86         | 1.11/16 | 210       | 359     | 26855        |
| 43.00         |         | 210       | 359     | 27489        |
| 43.26         | 1.45/64 | 210       | 359     | 27489        |
| 43.50         |         | 210       | 359     | 27489        |
| 43.66         | 1.23/32 | 210       | 359     | 27489        |
| 44.00         |         | 210       | 359     | 28455        |
| 44.05         | 1.47/64 | 210       | 359     | 28455        |
| 44.45         | 1.3/4   | 210       | 359     | 28455        |
| 44.50         |         | 210       | 359     | 28455        |
| 44.85         | 1.49/64 | 210       | 359     | 29126        |
| 45.00         |         | 210       | 359     | 29126        |
| 45.24         | 1.25/32 | 215       | 364     | 29126        |
| 45.50         |         | 215       | 364     | 30437        |
| 45.64         | 1.51/64 | 215       | 364     | 30437        |
| 46.00         |         | 215       | 364     | 30437        |
| 46.04         | 1.13/16 | 215       | 364     | 30437        |
| 46.43         | 1.53/64 | 215       | 364     | 31980        |
| 46.50         |         | 215       | 364     | 31980        |
| 46.83         | 1.27/32 | 215       | 364     | 31980        |
| 47.00         |         | 215       | 364     | 31980        |
| 47.23         | 1.55/64 | 215       | 364     | 32656        |
| 47.50         |         | 215       | 364     | 32656        |
| 47.62         | 1.7/8   | 220       | 369     | 32656        |
| 48.00         |         | 220       | 369     | 35607        |
| 48.02         | 1.57/64 | 220       | 369     | 35607        |
| 48.42         | 1.29/32 | 220       | 369     | 35607        |
| 48.50         |         | 220       | 369     | 35854        |

| Size-Diameter |         | Length mm |         | Price<br>1 N |
|---------------|---------|-----------|---------|--------------|
| mm            | inch    | flute     | overall |              |
| 48.82         | 1.59/64 | 220       | 369     | 35854        |
| 49.00         |         | 220       | 369     | 35854        |
| 49.21         | 1.15/16 | 220       | 369     | 35854        |
| 49.50         |         | 220       | 369     | 36241        |
| 49.61         | 1.61/64 | 220       | 369     | 36241        |
| 50.00         |         | 220       | 369     | 36241        |
| 50.01         | 1.31/32 | 225       | 374     | 36530        |
| 50.40         | 1.63/64 | 225       | 374     | 38169        |
| 50.50         |         | 225       | 374     | 38169        |
| 50.80         | 2       | 225       | 374     | 38169        |
| MT5           |         |           |         |              |
| 51.00         |         | 225       | 412     | 52338        |
| 51.50         |         | 225       | 412     | 52338        |
| 51.59         | 2.1/32  | 225       | 412     | 52338        |
| 52.00         |         | 225       | 412     | 52338        |
| 52.39         | 2.1/16  | 225       | 412     | 52338        |
| 52.50         |         | 225       | 412     | 73338        |
| 53.00         |         | 225       | 412     | 67447        |
| 53.18         | 2.3/32  | 230       | 417     | 67447        |
| 53.50         |         | 230       | 417     | 67447        |
| 53.97         | 2.1/8   | 230       | 417     | 67447        |
| 54.00         |         | 230       | 417     | 67447        |
| 54.50         |         | 230       | 417     | 70836        |
| 54.77         | 2.5/32  | 230       | 417     | 70836        |
| 55.00         |         | 230       | 417     | 70836        |
| 55.50         |         | 230       | 417     | 70836        |
| 55.56         | 2.3/16  | 230       | 417     | 70836        |
| 56.00         |         | 230       | 417     | 73824        |
| 56.36         | 2.7/32  | 230       | 417     | 73824        |
| 56.50         |         | 230       | 417     | 73824        |
| 57.00         |         | 235       | 422     | 73824        |
| 57.15         | 2.1/4   | 235       | 422     | 73824        |
| 57.50         |         | 235       | 422     | 80571        |
| 57.94         | 2.9/32  | 235       | 422     | 80571        |
| 58.00         |         | 235       | 422     | 80571        |
| 58.50         |         | 235       | 422     | 80571        |
| 58.74         | 2.5/16  | 235       | 422     | 80571        |
| 59.00         |         | 235       | 422     | 82114        |
| 59.50         |         | 235       | 422     | 82114        |
| 59.53         | 2.11/32 | 235       | 422     | 82114        |
| 60.00         |         | 235       | 422     | 82114        |

| SIZE RANGE    |                 | MT<br>NO. | INSTEAD OF<br>MT NO. |
|---------------|-----------------|-----------|----------------------|
| MM            | INCH            |           |                      |
| 11.8 to 14.0  | 15/32 to 35/64  | 2         | 1                    |
| 18.0 to 23.0  | 23/32 to 29/32  | 3         | 2                    |
| 26.5 to 31.75 | 1.3/64 to 1.1/4 | 4         | 3                    |
| 40.0 to 50.80 | 1.37/64 to 2    | 5         | 4                    |
| 63.0 to 66.67 | 2.1/2 to 2.5/8  | 6         | 5                    |

## Special notes:

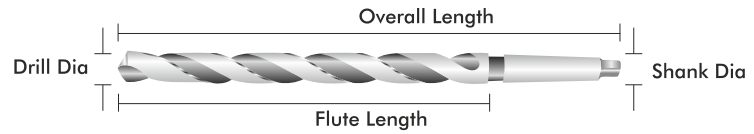
1. Intermediate, unlisted sizes, price of the next larger listed size will be charged.
2. Quick Spiral or Slow Spiral drills will be charged 25% Extra.
3. Over size shank drills to IS:5104 in the following range 10% Extra will be charged.

w.e.f.  
**15<sup>th</sup> Nov 2022**

MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 1 NO.



**TWIST**  
**(LONG SERIES)**  
**TAPER SHANK**



| Size-Diameter |       | Length mm |         | Price<br>1 N |
|---------------|-------|-----------|---------|--------------|
| mm            | inch  | flute     | overall |              |
| MT1           |       |           |         |              |
| 5.00          |       | 74        | 155     | 1789         |
| 5.16          | 13/64 | 74        | 155     | 1810         |
| 5.20          |       | 74        | 155     | 1829         |
| 5.50          |       | 80        | 161     | 1849         |
| 5.56          | 7/32  | 80        | 161     | 1849         |
| 5.80          |       | 80        | 161     | 1849         |
| 5.95          | 15/64 | 80        | 161     | 1849         |
| 6.00          |       | 80        | 161     | 1849         |
| 6.20          |       | 86        | 167     | 2423         |
| 6.35          | 1/4   | 86        | 167     | 2423         |
| 6.50          |       | 86        | 167     | 2423         |
| 6.75          | 17/64 | 93        | 174     | 2444         |
| 6.80          |       | 93        | 174     | 2461         |
| 7.00          |       | 93        | 174     | 2423         |
| 7.14          | 9/32  | 93        | 174     | 2683         |
| 7.20          |       | 93        | 174     | 2783         |
| 7.50          |       | 93        | 174     | 2423         |
| 7.54          | 19/64 | 100       | 181     | 2583         |
| 7.80          |       | 100       | 181     | 2722         |
| 7.94          | 5/16  | 100       | 181     | 2703         |
| 8.00          |       | 100       | 181     | 2683         |
| 8.20          |       | 100       | 181     | 2742         |
| 8.33          | 21/64 | 100       | 181     | 2683         |
| 8.50          |       | 100       | 181     | 2461         |
| 8.73          | 11/32 | 107       | 188     | 2760         |
| 8.80          |       | 107       | 188     | 3019         |
| 9.00          |       | 107       | 188     | 2742         |
| 9.13          | 23/64 | 107       | 188     | 3039         |
| 9.20          |       | 107       | 188     | 3337         |
| 9.50          |       | 107       | 188     | 3099         |
| 9.52          | 3/8   | 116       | 197     | 3297         |
| 9.80          |       | 116       | 197     | 3575         |
| 9.92          | 25/64 | 116       | 197     | 3397         |
| 10.00         |       | 116       | 197     | 3238         |
| 10.20         |       | 116       | 197     | 3575         |
| 10.32         | 13/32 | 116       | 197     | 3414         |
| 10.50         |       | 116       | 197     | 3277         |

| Size-Diameter |       | Length mm |         | Price<br>1 N |
|---------------|-------|-----------|---------|--------------|
| mm            | inch  | flute     | overall |              |
| 10.72         | 27/64 | 125       | 206     | 3337         |
| 10.80         |       | 125       | 206     | 3414         |
| 11.00         |       | 125       | 206     | 3414         |
| 11.11         | 7/16  | 125       | 206     | 4028         |
| 11.20         |       | 125       | 206     | 3534         |
| 11.50         |       | 125       | 206     | 4028         |
| 11.51         | 29/64 | 125       | 206     | 3534         |
| 11.80         |       | 125       | 206     | 3534         |
| 11.91         | 15/32 | 134       | 215     | 4069         |
| 12.00         |       | 134       | 215     | 4625         |
| 12.20         |       | 134       | 215     | 4625         |
| 12.30         | 31/64 | 134       | 215     | 4625         |
| 12.50         |       | 134       | 215     | 4625         |
| 12.70         | 1/2   | 134       | 215     | 4647         |
| 12.80         |       | 134       | 215     | 4666         |
| 13.00         |       | 134       | 215     | 4666         |
| 13.10         | 33/64 | 134       | 215     | 4765         |
| 13.20         |       | 134       | 215     | 4885         |
| 13.49         | 17/32 | 142       | 223     | 5042         |
| 13.50         |       | 142       | 223     | 5219         |
| 13.80         |       | 142       | 223     | 5219         |
| 13.89         | 35/64 | 142       | 223     | 5219         |
| 14.00         |       | 142       | 223     | 5219         |
| MT2           |       |           |         |              |
| 14.25         |       | 147       | 245     | 6571         |
| 14.29         | 9/16  | 147       | 245     | 6967         |
| 14.50         |       | 147       | 245     | 6967         |
| 14.68         | 37/64 | 147       | 245     | 6826         |
| 14.75         |       | 147       | 245     | 6826         |
| 15.00         |       | 147       | 245     | 6967         |
| 15.08         | 19/32 | 153       | 251     | 6867         |
| 15.25         |       | 153       | 251     | 6907         |
| 15.48         | 39/64 | 153       | 251     | 6907         |
| 15.50         |       | 153       | 251     | 6907         |
| 15.75         |       | 153       | 251     | 6907         |
| 15.87         | 5/8   | 153       | 251     | 7083         |
| 16.00         |       | 153       | 251     | 7106         |
| 16.25         |       | 159       | 257     | 7106         |

# HSS Taper Shank Twist Drills (Long Series)

To IS: 8305 - 1976



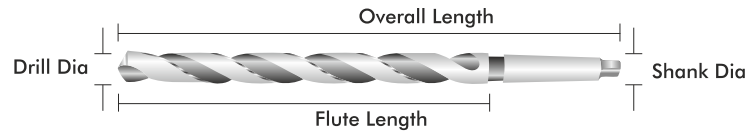
HEAVY MACHINE TOOL - CUTTING DEVICE

w.e.f.  
15<sup>th</sup> Nov 2022

MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 1 NO.



**TWIST  
(LONG SERIES)  
TAPER SHANK**



| Size-Diameter |       | Length mm |         | Price<br>1 N |
|---------------|-------|-----------|---------|--------------|
| mm            | inch  | flute     | overall |              |
| 16.27         | 41/64 | 159       | 257     | 7343         |
| 16.50         |       | 159       | 257     | 7581         |
| 16.67         | 21/32 | 159       | 257     | 7581         |
| 16.75         |       | 159       | 257     | 7581         |
| 17.00         |       | 159       | 257     | 7581         |
| 17.07         | 43/64 | 165       | 263     | 7643         |
| 17.25         |       | 165       | 263     | 7702         |
| 17.46         | 11/16 | 165       | 263     | 7840         |
| 17.50         |       | 165       | 263     | 7976         |
| 17.75         |       | 165       | 263     | 8096         |
| 17.86         | 45/64 | 165       | 263     | 8256         |
| 18.00         |       | 165       | 263     | 8412         |
| 18.25         |       | 171       | 263     | 8412         |
| 18.26         | 23/32 | 171       | 269     | 8412         |
| 18.50         |       | 171       | 269     | 8412         |
| 18.65         | 47/64 | 171       | 269     | 8474         |
| 18.75         |       | 171       | 269     | 8511         |
| 19.00         |       | 171       | 269     | 8511         |
| 19.05         | 3/4   | 177       | 275     | 8733         |
| 19.25         |       | 177       | 275     | 8972         |
| 19.45         | 49/64 | 177       | 275     | 8972         |
| 19.50         |       | 177       | 275     | 8972         |
| 19.75         |       | 177       | 275     | 8972         |
| 19.84         | 25/32 | 177       | 275     | 8571         |
| 20.00         |       | 177       | 275     | 8197         |
| 20.24         | 51/64 | 184       | 282     | 8256         |
| 20.25         |       | 184       | 282     | 8315         |
| 20.50         |       | 184       | 282     | 8315         |
| 20.64         | 13/16 | 184       | 282     | 8492         |
| 20.75         |       | 184       | 282     | 8674         |
| 21.00         |       | 184       | 282     | 8674         |
| 21.03         | 53/64 | 184       | 282     | 9584         |
| 21.25         |       | 191       | 289     | 10516        |
| 21.43         | 27/32 | 191       | 289     | 10674        |
| 21.50         |       | 191       | 289     | 10813        |
| 21.75         |       | 191       | 289     | 10813        |
| 21.83         | 55/64 | 191       | 289     | 10936        |
| 22.00         |       | 191       | 289     | 11032        |

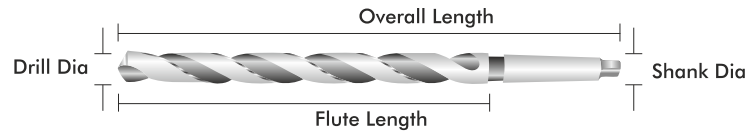
| Size-Diameter |        | Length mm |         | Price<br>1 N |
|---------------|--------|-----------|---------|--------------|
| mm            | inch   | flute     | overall |              |
| 22.22         | 7/8    | 191       | 289     | 11526        |
| 22.25         |        | 191       | 289     | 12024        |
| 22.50         |        | 198       | 296     | 12065        |
| 22.62         | 57/64  | 198       | 296     | 12182        |
| 22.75         |        | 198       | 296     | 12300        |
| 23.00         |        | 198       | 296     | 12300        |
| 23.02         | 29/32  | 198       | 296     | 13212        |
| MT3           |        |           |         |              |
| 23.25         |        | 198       | 319     | 14108        |
| 23.42         | 59/64  | 198       | 319     | 14286        |
| 23.50         |        | 198       | 319     | 14485        |
| 23.75         |        | 206       | 327     | 14562        |
| 23.81         | 15/16  | 206       | 327     | 14781        |
| 24.00         |        | 206       | 327     | 14981        |
| 24.21         | 61/64  | 206       | 327     | 15119        |
| 24.25         |        | 206       | 327     | 15260        |
| 24.50         |        | 206       | 327     | 15260        |
| 24.61         | 31/32  | 206       | 327     | 15594        |
| 24.75         |        | 206       | 327     | 15931        |
| 25.00         | 63/64  | 206       | 327     | 15931        |
| 25.25         |        | 214       | 335     | 16250        |
| 25.40         | 1      | 214       | 335     | 15636        |
| 25.50         |        | 214       | 335     | 15021        |
| 25.75         |        | 214       | 335     | 15021        |
| 26.00         |        | 214       | 335     | 15178        |
| 26.19         | 1.1/32 | 214       | 335     | 15714        |
| 26.25         |        | 214       | 335     | 16269        |
| 26.50         |        | 214       | 335     | 16269        |
| 26.75         |        | 222       | 343     | 19681        |
| 26.99         | 1.1/16 | 222       | 343     | 20015        |
| 27.00         |        | 222       | 343     | 20336        |
| 27.25         |        | 222       | 343     | 20336        |
| 27.50         |        | 222       | 343     | 20394        |
| 27.75         |        | 222       | 343     | 20394        |
| 27.78         | 1.3/32 | 222       | 343     | 21348        |
| 28.00         |        | 222       | 343     | 22299        |
| 28.25         |        | 230       | 351     | 22498        |
| 28.50         |        | 230       | 351     | 22498        |

w.e.f.  
15<sup>th</sup> Nov 2022

MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 1 NO.



**TWIST  
(LONG SERIES)  
TAPER SHANK**



| Size-Diameter |         | Length mm |         | Price<br>1 N |
|---------------|---------|-----------|---------|--------------|
| mm            | inch    | flute     | overall |              |
| 28.57         | 1.1/8   | 230       | 351     | 22834        |
| 28.75         |         | 230       | 351     | 23190        |
| 29.00         |         | 230       | 351     | 23569        |
| 29.25         |         | 230       | 351     | 23569        |
| 29.37         | 1.5/32  | 230       | 351     | 23608        |
| 29.50         |         | 230       | 351     | 23648        |
| 29.75         |         | 230       | 351     | 23648        |
| 30.00         |         | 230       | 351     | 24144        |
| 30.16         | 1.3/16  | 239       | 360     | 23844        |
| 30.25         |         | 239       | 360     | 23545        |
| 30.50         |         | 239       | 360     | 23545        |
| 30.75         |         | 239       | 360     | 23926        |
| 30.96         | 1.7/32  | 239       | 360     | 23708        |
| 31.00         |         | 239       | 360     | 23489        |
| 31.25         |         | 239       | 360     | 23489        |
| 31.50         |         | 239       | 360     | 24521        |
| 31.75         | 1.1/4   | 248       | 369     | 24719        |
| MT4           |         |           |         |              |
| 32.00         |         | 248       | 397     | 26683        |
| 32.50         |         | 248       | 397     | 30232        |
| 32.54         | 1.9/32  | 248       | 397     | 30590        |
| 33.00         |         | 248       | 369     | 30968        |
| 33.34         | 1.5/16  | 348       | 369     | 31503        |
| 33.50         |         | 248       | 369     | 32018        |
| 34.00         |         | 257       | 406     | 32870        |
| 34.13         | 1.11/32 | 257       | 406     | 32317        |
| 34.50         |         | 257       | 406     | 31761        |
| 34.92         | 1.3/8   | 257       | 406     | 31899        |
| 35.00         |         | 257       | 406     | 32060        |
| 35.50         |         | 257       | 406     | 33983        |
| 35.72         | 1.13/32 | 267       | 416     | 34916        |
| 36.00         |         | 267       | 416     | 35847        |
| 36.50         |         | 267       | 416     | 36582        |
| 36.51         | 1.7/16  | 267       | 416     | 37040        |
| 37.00         |         | 267       | 416     | 37493        |
| 37.31         | 1.15/32 | 267       | 416     | 38705        |
| 37.50         |         | 267       | 416     | 39912        |
| 38.00         |         | 277       | 426     | 39734        |

| Size-Diameter |         | Length mm |         | Price<br>1 N |
|---------------|---------|-----------|---------|--------------|
| mm            | inch    | flute     | overall |              |
| 38.10         | 1.1/2   | 277       | 426     | 40347        |
| 38.50         |         | 277       | 426     | 40965        |
| 38.89         | 1.17/32 | 277       | 426     | 42177        |
| 39.00         |         | 277       | 426     | 43385        |
| 39.50         |         | 277       | 426     | 43385        |
| 39.69         | 1.9/16  | 277       | 426     | 43939        |
| 40.00         |         | 277       | 426     | 44497        |
| 40.48         | 1.19/32 | 287       | 436     | 45983        |
| 40.50         |         | 287       | 436     | 47471        |
| 41.00         |         | 287       | 436     | 47471        |
| 41.27         | 1.5/8   | 287       | 436     | 48403        |
| 41.50         |         | 287       | 436     | 49337        |
| 42.00         |         | 287       | 436     | 49337        |
| 42.07         | 1.21/32 | 287       | 436     | 49972        |
| 42.50         |         | 287       | 436     | 50605        |
| 42.86         | 1.11/16 | 298       | 447     | 51793        |
| 43.00         |         | 298       | 447     | 53004        |
| 43.50         |         | 298       | 447     | 53004        |
| 43.66         | 1.23/32 | 298       | 447     | 53940        |
| 44.00         |         | 298       | 447     | 54871        |
| 44.45         | 1.3/4   | 298       | 447     | 54871        |
| 44.50         |         | 298       | 447     | 54871        |
| 45.00         |         | 298       | 447     | 56161        |
| 45.24         | 1.25/32 | 310       | 459     | 57807        |
| 45.50         |         | 310       | 459     | 59453        |
| 46.00         |         | 310       | 459     | 59453        |
| 46.04         | 1.13/16 | 310       | 459     | 63421        |
| 46.50         |         | 310       | 459     | 66613        |
| 46.83         | 1.27/32 | 310       | 459     | 66613        |
| 47.00         |         | 310       | 459     | 66613        |
| 47.50         |         | 310       | 459     | 68002        |
| 47.62         | 1.7/8   | 321       | 470     | 71453        |
| 48.00         |         | 321       | 470     | 74905        |
| 48.42         | 1.29/32 | 321       | 470     | 75182        |
| 48.50         |         | 321       | 470     | 75458        |
| 49.00         |         | 321       | 470     | 75458        |
| 49.21         | 1.15/16 | 321       | 470     | 75340        |
| 49.50         |         | 321       | 470     | 75241        |
| 50.00         |         | 321       | 470     | 75241        |

**Special notes:**

1. Intermediate, unlisted sizes, price of the next larger listed size will be charged.
2. Minimum ordering value per size should be worth Rs. 10,000/- gross.

# HSS Taper Shank Twist Drills (Extra Long Series)



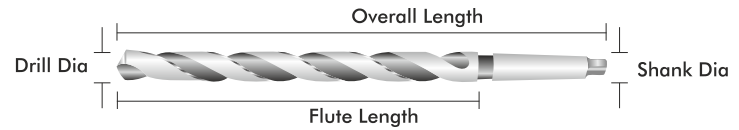
HEAVY MACHINE TOOL - CUTTING DEVICE

w.e.f.  
15<sup>th</sup> Nov 2022

MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 1 NO.



**TWIST**  
(EXTRA LONG SERIES)  
TAPER SHANK



| Size  |      | Over all Length in mm |      |      |      |
|-------|------|-----------------------|------|------|------|
| mm    | inch | 200                   | 225  | 250  | 275  |
| 3.00  | 1/8  | 2537                  | 3010 | 3339 | 3670 |
| 3.50  |      | 2537                  | 3112 | 3462 | 3815 |
| 4.00  | 5/32 | 2453                  | 3010 | 3360 | 3690 |
| 4.50  |      | 2926                  | 3277 | 3650 | 4409 |
| 5.00  | 3/16 | 2802                  | 3153 | 3506 | 4244 |
| 5.50  |      | 2702                  | 3339 | 3711 | 4099 |
| 6.00  |      | 2702                  | 3339 | 3711 | 4099 |
| 6.35  | 1/4  | 3030                  | 3402 | 3772 | 4577 |
| 6.50  |      | 3030                  | 3402 | 3772 | 4577 |
| 7.00  |      | 2907                  | 3257 | 3629 | 4388 |
| 7.50  |      | 3196                  | 3587 | 3999 | 4781 |
| 7.94  | 5/16 | 3072                  | 3442 | 3835 | 4596 |
| 8.00  |      | 3072                  | 3442 | 3835 | 4596 |
| 8.50  |      | 3153                  | 3544 | 3938 | 4717 |
| 9.00  |      | 3320                  | 3730 | 4141 | 4986 |
| 9.50  |      | 3320                  | 3730 | 4141 | 4986 |
| 9.52  | 3/8  | 3421                  | 3730 | 4141 | 4986 |
| 10.00 |      | 3360                  | 3772 | 4203 | 5046 |
| 10.50 |      | 4060                  | 4551 | 5069 | 5583 |
| 11.00 |      | 4039                  | 4551 | 5046 | 5565 |
| 11.11 | 7/16 | 4182                  | 4698 | 5211 | 5749 |
| 11.50 |      | 4182                  | 4698 | 5211 | 5749 |
| 12.00 |      |                       | 4551 | 5069 | 6137 |
| 12.50 |      |                       | 4551 | 5069 | 6137 |
| 12.70 | 1/2  |                       | 4551 | 5069 | 6137 |
| 13.00 |      |                       |      | 5999 | 7747 |
| 13.50 |      |                       |      | 6447 | 8343 |
| 14.00 |      |                       |      | 6447 | 8343 |
| 14.29 | 9/16 |                       |      | 7230 | 7952 |
| 14.50 |      |                       |      | 7230 | 7952 |
| 15.00 |      |                       |      | 7230 | 7952 |
| 15.50 |      |                       |      | 7169 | 7848 |
| 15.87 | 5/8  |                       |      | 7334 | 8076 |
| 16.00 |      |                       |      | 7375 | 8076 |
| 16.50 |      |                       |      | 7869 | 8425 |
| 17.00 |      |                       |      | 7869 | 8425 |

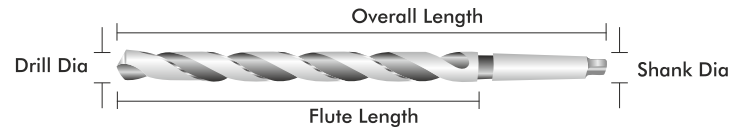
| Size  |      | Over all Length in mm |      |       |       |       |
|-------|------|-----------------------|------|-------|-------|-------|
| mm    | inch | 300                   | 315  | 325   | 350   | 375   |
| 3.00  | 1/8  | 4099                  |      | 4926  |       |       |
| 3.50  |      | 4329                  | 4329 | 5150  |       |       |
| 4.00  | 5/32 | 4182                  | 4182 | 4986  |       |       |
| 4.50  |      | 4926                  | 4926 | 5336  |       |       |
| 5.00  | 3/16 | 4739                  | 4739 | 5131  |       |       |
| 5.50  |      | 4551                  | 4551 | 5501  |       |       |
| 6.00  |      | 4551                  | 4551 | 5501  | 5665  |       |
| 6.35  | 1/4  | 5090                  | 5090 |       |       |       |
| 6.50  |      | 5090                  | 5090 | 6137  |       |       |
| 7.00  |      | 4905                  | 4905 | 6488  |       |       |
| 7.50  |      | 5441                  | 5441 | 6488  |       |       |
| 7.94  | 5/16 | 5235                  | 5235 | 6220  |       |       |
| 8.00  |      | 5235                  | 5235 | 6220  |       |       |
| 8.50  |      | 5377                  | 5377 | 6385  |       |       |
| 9.00  |      | 5645                  | 5645 | 6736  |       |       |
| 9.50  |      | 5645                  | 5645 | 6736  |       |       |
| 9.52  | 3/8  | 5645                  | 5645 | 6736  |       |       |
| 10.00 |      | 5727                  | 5727 | 6820  | 7353  | 8590  |
| 10.50 |      | 6077                  | 6077 | 7971  | 7971  | 9496  |
| 11.00 |      | 6059                  | 6059 | 7395  | 7952  | 9475  |
| 11.11 | 7/16 | 6263                  | 6263 | 7643  | 8217  | 9783  |
| 11.50 |      | 6263                  | 6263 | 7643  | 8217  | 9783  |
| 12.00 |      | 6839                  | 6839 | 8240  | 7994  | 10463 |
| 12.50 |      | 6839                  | 6839 | 8240  | 8878  | 10463 |
| 12.70 | 1/2  | 6839                  | 6839 | 8240  | 8878  | 10463 |
| 13.00 |      | 8466                  | 8466 | 9165  | 9866  | 11905 |
| 13.50 |      | 9105                  | 9105 | 9866  | 10628 | 12789 |
| 14.00 |      | 9105                  | 9105 | 9866  | 10628 | 12523 |
| 14.29 | 9/16 | 8671                  | 8671 | 10340 | 11143 | 13017 |
| 14.50 |      | 8671                  | 8671 | 10340 | 11143 | 11143 |
| 15.00 |      | 8671                  | 8671 | 10340 | 11143 | 13017 |
| 15.50 |      | 8570                  | 8570 | 10197 | 11001 | 12833 |
| 15.87 | 5/8  | 8816                  | 8816 | 10505 | 11310 | 13222 |
| 16.00 |      | 8816                  | 8816 | 10505 | 11310 | 13222 |
| 16.50 |      | 9188                  | 9188 | 10938 | 11781 | 13778 |
| 17.00 |      | 9188                  | 9188 | 10938 | 11781 | 13778 |

w.e.f.  
15<sup>th</sup> Nov 2022

MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 1 NO.



**TWIST**  
(EXTRA LONG SERIES)  
TAPER SHANK



| Size  |        | Over all Length in mm |       |       |       |       |
|-------|--------|-----------------------|-------|-------|-------|-------|
| mm    | inch   | 300                   | 315   | 325   | 350   | 375   |
| 17.45 | 11/16  | 9434                  | 9434  | 11249 | 12111 | 14149 |
| 17.50 |        | 9434                  | 9434  | 11249 | 12111 | 14149 |
| 18.00 |        | 9743                  | 9743  | 11617 | 12503 | 14601 |
| 18.50 |        | 9743                  | 9743  | 11617 | 12503 | 14601 |
| 19.00 |        | 9866                  | 9866  | 11741 | 12645 | 14787 |
| 19.05 | 3/4    | 9866                  | 9866  | 11741 | 12645 | 14787 |
| 19.50 |        | 10136                 | 10136 | 12091 | 13017 | 15220 |
| 20.00 |        | 10897                 | 10897 | 11865 | 12707 | 14994 |
| 20.50 |        | 10815                 | 10815 | 11721 | 12603 | 14848 |
| 20.64 | 13/16  | 11267                 | 11267 | 12214 | 13143 | 15489 |
| 21.00 |        | 11267                 | 11267 | 12214 | 13143 | 15489 |
| 21.50 |        | 11658                 | 11658 | 12645 | 13614 | 16045 |
| 22.00 |        | 11886                 | 11886 | 12872 | 13861 | 16332 |
| 22.22 | 7/8    | 12689                 | 12689 | 13737 | 14808 | 15858 |
| 22.50 |        | 12689                 | 12689 | 13737 | 14808 | 15858 |
| 23.00 |        | 12936                 | 12936 | 14025 | 15096 | 16168 |
| 23.50 |        | 14129                 | 14129 | 15303 | 16477 | 17651 |
| 23.81 | 15/16  | 14273                 | 14273 | 15465 | 16641 | 17834 |
| 24.00 |        | 14273                 | 14273 | 15465 | 16641 | 17834 |
| 24.50 |        | 14519                 | 14519 | 15736 | 16930 | 18144 |
| 25.00 |        |                       | 16434 | 17691 | 18967 |       |
| 25.40 | 1      |                       |       | 17691 | 20511 |       |
| 25.50 |        |                       |       | 19153 | 20511 |       |
| 26.00 |        |                       |       | 19361 | 20740 |       |
| 26.50 |        |                       |       | 20740 | 22222 |       |
| 26.99 | 1.1/16 |                       |       | 21542 | 23085 |       |
| 27.00 |        |                       |       | 21542 | 23085 |       |
| 27.50 |        |                       |       | 21605 | 23147 |       |
| 28.00 |        |                       |       | 23622 | 25309 |       |
| 28.50 |        |                       |       | 23293 | 24959 |       |
| 28.57 | 1.1/8  |                       |       | 23293 | 24959 |       |
| 29.00 |        |                       |       | 24384 | 26133 |       |
| 29.50 |        |                       |       | 24486 | 26236 |       |
| 30.00 |        |                       |       | 24999 | 26773 |       |
| 30.16 | 1.3/16 |                       |       | 24999 | 26773 |       |
| 31.00 |        |                       |       | 25289 | 27103 |       |



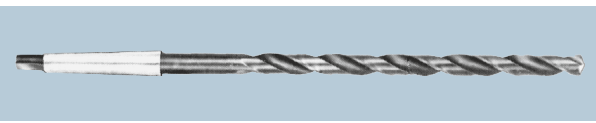
# HSS Taper Shank Twist Drills (Extra Long Series)



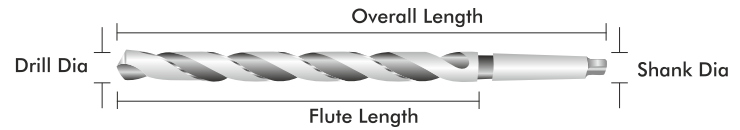
HEAVY MACHINE TOOL - CUTTING DEVICE

w.e.f.  
15<sup>th</sup> Nov 2022

MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 1 NO.



**TWIST**  
(EXTRA LONG SERIES)  
TAPER SHANK



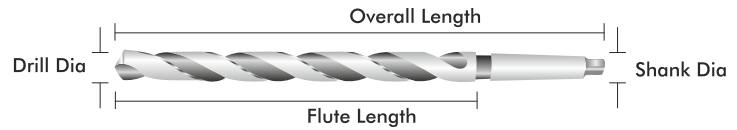
| Size  |       | Over all Length in mm |       |       |       |       |
|-------|-------|-----------------------|-------|-------|-------|-------|
| mm    | inch  | 400                   | 425   | 450   | 475   | 500   |
| 10.00 |       | 9165                  |       |       |       |       |
| 10.50 |       | 10136                 |       |       |       |       |
| 11.00 |       | 10093                 |       |       |       |       |
| 11.11 | 7/16  | 10444                 |       |       |       |       |
| 11.50 |       | 10444                 |       |       |       |       |
| 12.00 |       | 9734                  |       |       |       |       |
| 12.50 |       | 11143                 |       |       |       |       |
| 12.70 | 1/2   | 11143                 |       |       |       |       |
| 13.00 |       | 11533                 |       |       |       |       |
| 13.50 |       | 13655                 |       |       |       |       |
| 14.00 |       | 13346                 |       | 17569 |       |       |
| 14.29 | 9/16  | 13881                 | 16597 |       |       |       |
| 14.50 |       | 13881                 | 16597 | 17569 | 21974 | 23147 |
| 15.00 |       | 13881                 | 16597 | 17569 | 21974 | 23147 |
| 15.50 |       | 13696                 | 16374 | 17341 | 21686 | 22818 |
| 15.87 | 5/8   | 14086                 | 16846 | 17834 | 22302 | 23478 |
| 16.00 |       | 14086                 | 16846 | 17834 | 22302 | 23478 |
| 16.50 |       | 14684                 | 17548 | 18597 | 23250 | 24486 |
| 17.00 |       | 14684                 | 17548 | 19113 | 23911 | 24486 |
| 17.45 | 11/16 | 15096                 | 18063 | 19113 | 23911 | 25166 |
| 17.50 |       | 15096                 | 18063 | 19113 | 23911 | 25166 |
| 18.00 |       | 15591                 | 18638 | 19731 | 24672 | 25971 |
| 18.50 |       | 15591                 | 18638 | 19731 | 24672 | 25971 |
| 19.00 |       | 15774                 | 18842 | 19957 | 24959 | 26279 |
| 19.05 | 3/4   | 15774                 | 18842 | 19957 | 24959 | 26279 |
| 19.50 |       | 16229                 | 19400 | 20535 | 25682 | 27042 |
| 20.00 |       | 15982                 | 18536 | 19629 | 25024 | 26343 |
| 20.50 |       | 15858                 | 18372 | 19441 | 24817 | 26115 |
| 20.64 | 13/16 | 16536                 | 19153 | 20288 | 25867 | 27227 |
| 21.00 |       | 16536                 | 19153 | 20288 | 25867 | 27227 |
| 21.50 |       | 17093                 | 19833 | 21005 | 26773 | 28194 |
| 22.00 |       | 17425                 | 20204 | 21377 | 27267 | 28709 |
| 22.22 | 7/8   | 16908                 | 19770 | 20923 | 24116 | 25372 |
| 22.50 |       | 16908                 | 19770 | 20923 | 24116 | 25372 |
| 23.00 |       | 17259                 | 20163 | 21357 | 24590 | 25867 |
| 23.50 |       | 18823                 | 22015 | 23312 | 26834 | 28253 |
| 23.81 | 15/16 | 19029                 | 22222 | 23540 | 27103 | 28524 |
| 24.00 |       | 19029                 | 22222 | 23540 | 27103 | 28524 |
| 24.50 |       | 19361                 | 23147 | 24507 | 28728 | 30253 |
| 25.00 |       | 20226                 | 23642 | 25024 | 28810 | 30337 |
| 25.40 | 1     | 21891                 | 25577 | 27082 | 31200 | 32828 |
| 25.50 |       | 21891                 | 25577 | 27082 | 31200 | 32828 |

w.e.f.  
**15<sup>th</sup> Nov 2022**

MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 1 NO.



**TWIST**  
(EXTRA LONG SERIES)  
**TAPER SHANK**



| Size  |         | Over all Length in mm |       |       |       |       |       |
|-------|---------|-----------------------|-------|-------|-------|-------|-------|
| mm    | inch    | 400                   | 425   | 450   | 475   | 500   | 525   |
| 26.00 |         | 22119                 | 25867 | 27388 | 31529 | 33198 |       |
| 26.50 |         | 23704                 | 25187 | 26670 | 30972 | 32600 |       |
| 26.99 | 1.1/16  | 24612                 | 26156 | 27679 | 32147 | 33838 |       |
| 27.00 |         | 24612                 | 26156 | 27679 | 32147 | 33838 |       |
| 27.50 |         | 24691                 | 26236 | 27782 | 32248 | 33960 |       |
| 28.00 |         | 26999                 | 30128 | 31878 | 35256 | 37110 |       |
| 28.50 |         | 26629                 | 29695 | 31446 | 34763 | 36597 |       |
| 28.57 | 1.1/8   | 26629                 | 29695 | 31446 | 34763 | 36597 |       |
| 29.00 |         | 27864                 | 31098 | 32929 | 36411 | 38326 |       |
| 29.50 |         | 27987                 | 31221 | 33052 | 36552 | 38468 |       |
| 30.00 |         | 28563                 | 31878 | 33753 | 37314 | 39271 |       |
| 30.16 | 1.3/16  | 28563                 | 31878 | 33753 | 37314 | 39271 |       |
| 31.00 |         | 28893                 | 32620 | 34536 | 36452 | 38386 |       |
| 31.75 | 1.1/4   | 28893                 | 32620 | 34536 | 36452 | 38386 |       |
| 32.00 |         | 29757                 | 33590 | 35562 | 37563 | 39520 | 48827 |
| 33.00 |         | 30478                 | 34391 | 36429 | 38448 | 40468 | 50001 |
| 33.34 | 1.5/16  | 30478                 | 34391 | 36429 | 38448 | 43575 | 50001 |
| 34.00 |         | 31653                 | 35729 | 37832 | 39930 | 42030 | 51936 |
| 34.92 | 1.3/8   | 34968                 | 37149 | 39353 | 44129 | 47221 | 48764 |
| 35.00 |         | 34968                 | 37149 | 39353 | 44129 | 46458 | 48764 |
| 36.00 |         | 35772                 | 38015 | 40260 | 48147 | 50680 | 53211 |
| 36.51 | 1.7/16  | 37418                 | 39767 | 42091 | 50348 | 50844 | 55661 |
| 37.00 |         | 37418                 | 39767 | 42091 | 50348 | 53005 | 55661 |
| 38.00 |         | 38736                 | 41146 | 43575 | 52122 | 54881 | 57620 |
| 38.10 | 1.1/2   | 38736                 | 41146 | 43575 | 52122 | 52759 | 57620 |
| 39.00 |         | 42443                 | 44934 | 47590 | 53583 | 56404 | 62913 |
| 40.00 |         | 43392                 | 46088 | 48806 | 54941 | 57847 | 64538 |
| 41.00 |         |                       |       |       |       | 60294 |       |
| 41.27 | 1.5/8   |                       |       |       |       | 60294 |       |
| 42.00 |         |                       |       |       |       | 62643 |       |
| 43.00 |         |                       |       |       |       | 65650 |       |
| 44.00 |         |                       |       |       |       | 67958 |       |
| 44.45 | 1.3/4   |                       |       |       |       | 69560 |       |
| 45.00 |         |                       |       |       |       | 69560 |       |
| 45.50 | 1.13/16 |                       |       |       |       | 71727 |       |
| 46.00 |         |                       |       |       |       | 71727 |       |
| 47.00 |         |                       |       |       |       | 75330 |       |
| 47.62 | 1.7/8   |                       |       |       |       | 82722 |       |
| 48.00 |         |                       |       |       |       | 82722 |       |
| 49.00 | 1.15/16 |                       |       |       |       | 83339 |       |
| 50.00 |         |                       |       |       |       | 83091 |       |

## Special notes:

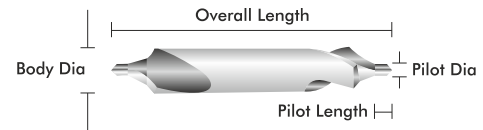
1. Intermediate, unlisted sizes (in Dia and Length) price of next larger listed size will be charged.
2. All sizes (in Dia and Length ) should be ordered in multiples of 5 upto dia 25.40 mm.
3. Minimum ordering value per size should be worth Rs. 15,000 /- gross.
4. For specials and unlisted sizes please refer to us.
5. Other details will be maintained as per IS:7822

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MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 1 NO.



**CENTRE DRILLS**



## TYPE 'A' AS PER IS-6708/1977

| Pilot Dia<br>mm k 12 | Body Dia<br>mm h9 | Overall Length mm |      | Pilot Length mm |      | Price<br>1 N |
|----------------------|-------------------|-------------------|------|-----------------|------|--------------|
|                      |                   | Max.              | Min. | Max.            | Min. |              |
| 1.00                 | 3.15              | 33.5              | 29.5 | 1.9             | 1.3  | 330          |
| 1.25                 | 3.15              | 33.5              | 29.5 | 2.2             | 1.6  | 330          |
| 1.60                 | 4.00              | 37.5              | 33.5 | 2.8             | 2.0  | 330          |
| 2.00                 | 5.00              | 42.0              | 38.0 | 3.3             | 2.5  | 330          |
| 2.50                 | 6.30              | 47.0              | 43.0 | 4.1             | 3.1  | 368          |
| 3.15                 | 8.00              | 52.0              | 48.0 | 4.9             | 3.9  | 539          |
| 4.00                 | 10.00             | 59.0              | 53.0 | 6.2             | 5.0  | 672          |
| 5.00                 | 12.50             | 66.0              | 60.0 | 7.5             | 6.3  | 1113         |

## TYPE 'B' AS PER IS-6709/1977

| Pilot Dia<br>mm k 12 | Body Dia<br>mm h9 | Overall Length mm |      | Pilot Length mm |      | Price<br>1 N |
|----------------------|-------------------|-------------------|------|-----------------|------|--------------|
|                      |                   | Max.              | Min. | Max.            | Min. |              |
| 1.60                 | 6.30              | 47                | 43   | 2.8             | 2.0  | 652          |
| 2.00                 | 8.00              | 52                | 48   | 3.3             | 2.5  | 935          |
| 2.50                 | 10.00             | 59                | 53   | 4.1             | 3.1  | 1177         |
| 3.15                 | 11.20             | 63                | 57   | 4.9             | 3.9  | 1559         |
| 4.00                 | 14.00             | 70                | 64   | 6.2             | 5.0  | 1856         |

## AS PER B.S. 328 (PART 2)

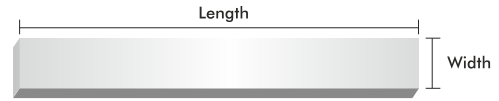
| Size | Pilot Dia<br>Inch | Body Dia<br>Inch | Pilot Length Inch |       | OAL<br>Inch | Tolerance on<br>Overall Length | Price<br>1 N |
|------|-------------------|------------------|-------------------|-------|-------------|--------------------------------|--------------|
|      |                   |                  | Max.              | Min.  |             |                                |              |
| BS 1 | 3/64              | 1/8              | 5/64              | 1/16  | 1.1/2       | ± 1/32                         | 330          |
| BS 2 | 1/16              | 3/16             | 3/32              | 5/64  | 1.3/4       | ± 1/33                         | 330          |
| BS 3 | 3/32              | 1/4              | 5/32              | 1/8   | 2           | ± 1/16                         | 368          |
| BS 4 | 1/8               | 5/16             | 3/16              | 5/32  | 2.1/4       | ± 1/16                         | 571          |
| BS 5 | 3/16              | 7/16             | 9/32              | 1/4   | 2.1/2       | ± 3/32                         | 719          |
| BS 6 | 1/4               | 5/8              | 0.375             | 0.312 | 3.093       | 2.906                          | 1216         |

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15<sup>th</sup> Nov 2022

MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 1 NO.



**SQUARE  
TOOL BITS**



| Size in<br>Inch | Size in<br>MM | Price (RS.) Each |           |           |            |
|-----------------|---------------|------------------|-----------|-----------|------------|
|                 |               | JK (KT-0)        | JK (KT-5) | JK (KT-8) | JK (KT-10) |
| 3/16 x 3        | 5 x 75        | 152              | 267       | 339       | 355        |
| 3/16 x 4        | 5 x 100       | 192              | 396       | 508       | 525        |
| 3/16 x 6        | 5 x 150       | 300              | 724       | 1084      | 1097       |
| 1/4 x 3         | 6 x 75        | 166              | 347       | 458       | 474        |
| 1/4 x 4         | 6 x 100       | 207              | 462       | 609       | 627        |
| 1/4 x 6         | 6 x 150       | 290              | 757       | 1012      | 1033       |
| 5/16 x 3        | 8 x 75        | 183              | 446       | 594       | 609        |
| 5/16 x 4        | 8 x 100       | 251              | 627       | 831       | 846        |
| 5/16 x 6        | 8 x 150       | 411              | 986       | 1318      | 1334       |
| 3/8 x 3         | 10 x 75       | 236              | 527       | 711       | 727        |
| 3/8 x 4         | 10 x 100      | 274              | 689       | 947       | 963        |
| 3/8 x 6         | 10 x 150      | 445              | 1102      | 1504      | 1520       |
| 3/8 x 8         | 10 x 200      | 605              | 1559      | 2162      | 2177       |
| 1/2 x 3         | 12 x 75       | 347              | 823       | 1150      | 1184       |
| 1/2 x 4         | 12 x 100      | 455              | 1102      | 1504      | 1538       |
| 1/2 x 6         | 12 x 150      | 707              | 1691      | 2378      | 2415       |
| 1/2 x 8         | 12 x 200      | 918              | 2363      | 3324      | 3358       |
| 5/8 x 4         | 16 x 100      | 722              | 1806      | 2549      | 2583       |
| 5/8 x 6         | 16 x 150      | 1110             | 2724      | 3729      | 3777       |
| 5/8 x 8         | 16 x 200      | 1412             | 3724      | 5231      | 5297       |
| 3/4 x 4         | 20 x 100      | 966              | 2527      | 3509      | 3544       |
| 3/4 x 6         | 20 x 150      | 1525             | 3773      | 5146      | 5195       |
| 3/4 x 8         | 20 x 200      | 2033             | 5051      | 7035      | 7119       |
| 1 x 6           | 25 x 150      | 2546             | 6263      | 8617      | 8721       |
| 1 x 8           | 25 x 200      | 3462             | 8348      | 11502     | 11620      |

# Standard Masonry Drills



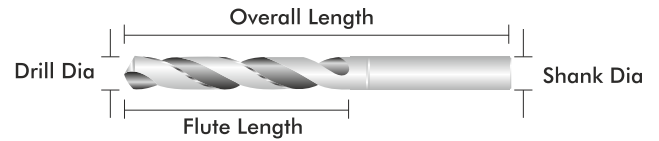
HEAVY MACHINE TOOL - CUTTING DEVICE

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MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 1 NO.



**MASONRY**



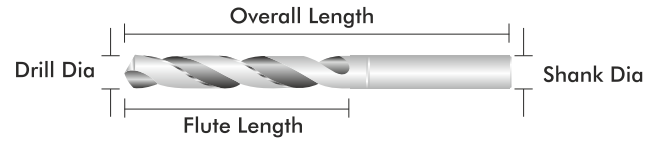
| Size                                     |       | Length |         | Price<br>(Rs.) Each |
|------------------------------------------|-------|--------|---------|---------------------|
| inch                                     | mm    | flute  | overall |                     |
| 1/8                                      | 3.00  | 33     | 67      | 91                  |
| 5/32                                     | 4.00  | 40     | 78      | 100                 |
| 3/16                                     | 5.00  | 45     | 88      | 107                 |
| 7/32                                     | 5.50  | 50     | 88      | 130                 |
| 15/64                                    | 6.00  | 54     | 102     | 144                 |
| 1/4                                      | 6.50  | 54     | 102     | 127                 |
| 9/32                                     | 7.00  | 55     | 108     | 247                 |
| 5/16                                     | 8.00  | 64     | 118     | 247                 |
| 11/32                                    | 9.00  | 78     | 135     | 284                 |
| 3/8                                      | 10.00 | 78     | 135     | 284                 |
| 7/16                                     | 11.00 | 82     | 148     | 355                 |
| 15/32                                    | 12.00 | 85     | 152     | 355                 |
| 1/2                                      | 13.00 | 85     | 152     | 355                 |
| JKSD MASONRY SET (1/8 – 3/8) (5 pc. set) |       |        |         | 790                 |

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MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 1 NO.



**SUPER GRANIT  
MASONRY**



| Size  |       | Length |         | Price<br>(Rs.) Each |
|-------|-------|--------|---------|---------------------|
| inch  | mm    | flute  | overall |                     |
| 1/8   | 3.00  | 33     | 67      | 155                 |
| 5/32  | 4.00  | 40     | 78      | 174                 |
| 3/16  | 5.00  | 45     | 88      | 185                 |
| 7/32  | 5.50  | 50     | 88      | 216                 |
| 15/64 | 6.00  | 54     | 102     | 248                 |
| 1/4   | 6.50  | 54     | 102     | 248                 |
| 9/32  | 7.00  | 55     | 108     | 288                 |
| 5/16  | 8.00  | 64     | 118     | 376                 |
| 11/32 | 9.00  | 78     | 135     | 487                 |
| 3/8   | 10.00 | 78     | 135     | 487                 |
| 7/16  | 11.00 | 82     | 148     | 605                 |
| 15/32 | 12.00 | 85     | 152     | 605                 |
| 1/2   | 13.00 | 85     | 152     | 605                 |

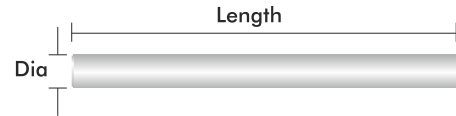


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15<sup>th</sup> Nov 2022

MAXIMUM RETAIL PRICE LIST  
PRICES IN RUPEES PER 10 NOS.



**JOBBER  
BLANKS**



| Size - Diameter |                  | dg/lg    | Price<br>(Rs.) 10 Pcs |
|-----------------|------------------|----------|-----------------------|
| mm              | inch             |          |                       |
| 0.50 to 0.69    |                  |          | 960                   |
| 0.70 to 0.79    |                  |          | 960                   |
| 0.80 to 0.89    | 1/32             |          | 960                   |
| 0.90 to 0.99    |                  |          | 960                   |
| 1.00 to 1.60    | 3/64, 1/16       | 61 to 53 | 540                   |
| 1.61 to 2.78    | 5/64, 3/32, 7/64 | 52 to 36 | 570                   |
| 2.79 to 3.00    |                  | 35 to 32 | 590                   |
| 3.05 to 3.17    | 1/8              | 31       | 700                   |
| 3.20 to 3.57    | 9/64             | 30 to 28 | 710                   |
| 3.60 to 4.00    | 5/32             | 27 to 22 | 880                   |
| 4.04 to 4.40    | 11/64            | 21 to 17 | 1000                  |
| 4.50 to 4.80    | 3/16             | 16 to 12 | 1420                  |
| 4.85 to 5.20    | 13/64            | 11 to 6  | 1450                  |
| 5.22 to 5.60    | 7/32             | 5 to 8   | 1560                  |
| 5.61 to 6.00    | 15/64            | 2, I & A | 1740                  |
| 6.04 to 6.40    | 1/4              | B to E   | 1920                  |
| 6.50 to 6.80    | 17/64            | F to H   | 2410                  |
| 6.90 to 7.20    | 9/32             | I to K   | 2800                  |
| 7.30 to 7.50    |                  | L to M   | 3110                  |
| 7.54 to 7.90    | 19/64            | N        | 3190                  |
| 7.94 to 8.20    | 5/16             | O & P    | 3510                  |
| 8.30 to 8.70    | 21/64            | Q & R    | 4220                  |
| 8.73 to 9.09    | 11/32            | S & T    | 4370                  |
| 9.10 to 9.50    | 23/64            | U        | 4620                  |
| 9.52 to 9.80    | 3/8              | V & W    | 5180                  |
| 9.90 to 10.20   | 25/64            | X        | 5970                  |
| 10.26 to 10.60  | 13/32            | Y & Z    | 6320                  |
| 10.70 to 11.00  | 27/64            |          | 6670                  |
| 11.10 to 11.40  | 7/16             |          | 7460                  |
| 11.50 to 11.80  | 29/64            |          | 7840                  |
| 11.90 to 12.20  | 15/32            |          | 8420                  |
| 12.30 to 12.60  | 31/64            |          | 8840                  |
| 12.70 to 13.00  | 1/2              |          | 9330                  |

# Useful Tips for Drilling

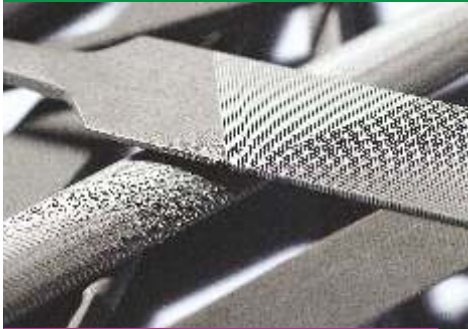
- Use the shortest drill possible for the specific applications as Longer drills are :
  1. More costly
  2. Break easily
  3. Drill bell mouthed holes
- Avoid the tendency to over speed and under feed as Excessive speed causes:
  1. Premature outer corner drill wear
  2. Material work hardening
  3. Long, stringy chips
  4. Reduced drill life
  5. Increased cost per hole
- Optimising feed rate:
  1. Helps break up chips
  2. Reduces premature outer corner drill wear
  3. Reduces material work hardening
  4. Extends drill life
  5. Reduces cost per hole
- Use split point drills for drilling alloy materials as it benefits:
  1. Start at the point of contact (self-centering)
  2. Drill with less torque and thrust
  3. Break up chips
- A hole of three drill diameters or deeper should be considered a deep hole. Therefore, you should peck drill just enough to prevent chips from packing in the flutes, because chip clogging is the major cause of drill breakage.
- When drilling harder materials (i.e. above HRC 35) :
  1. Reduce speeds and feeds to prevent points from burning and drilling breakage.
  2. Use cobalt drills as their higher hardness and heavy-duty construction are designed for drilling harder-materials.

- Use steam tempered. The black oxide surface laser holds the coolants and lubricates to the surface of the drill retarding material build-up. This treatment also improves toughness.
- You should increase speeds and feeds as follows:

| Speed and feed Reduction<br>(Based upon hole depth)        |                    |                   |
|------------------------------------------------------------|--------------------|-------------------|
| Holes Depth<br>To Diameter Ratio<br>(times drill diameter) | Speed<br>Reduction | Feed<br>Reduction |
| 3                                                          | 10%                | 10%               |
| 4                                                          | 20%                | 10%               |
| 5                                                          | 30%                | 20%               |
| 6                                                          | 35-40%             | 20%               |

- Use coolant whenever possible, this will keep the drill cooler. Chip welding and breakage are also reduced. Coolant helps the drill to last and will give the drill a better chance of operating without failing.
- Chips should be short and broken up.
- Keep drills sharp! Sharp drills perform better and last longer. Sharp drills also increase productivity and have a reduced tendency to break.
- Chuck drill on shank area only, not in the flute area

## Other Range



**Files**



**HSS Drills**



**Power Tools**



**Hand Tools**



**HSS Taps**

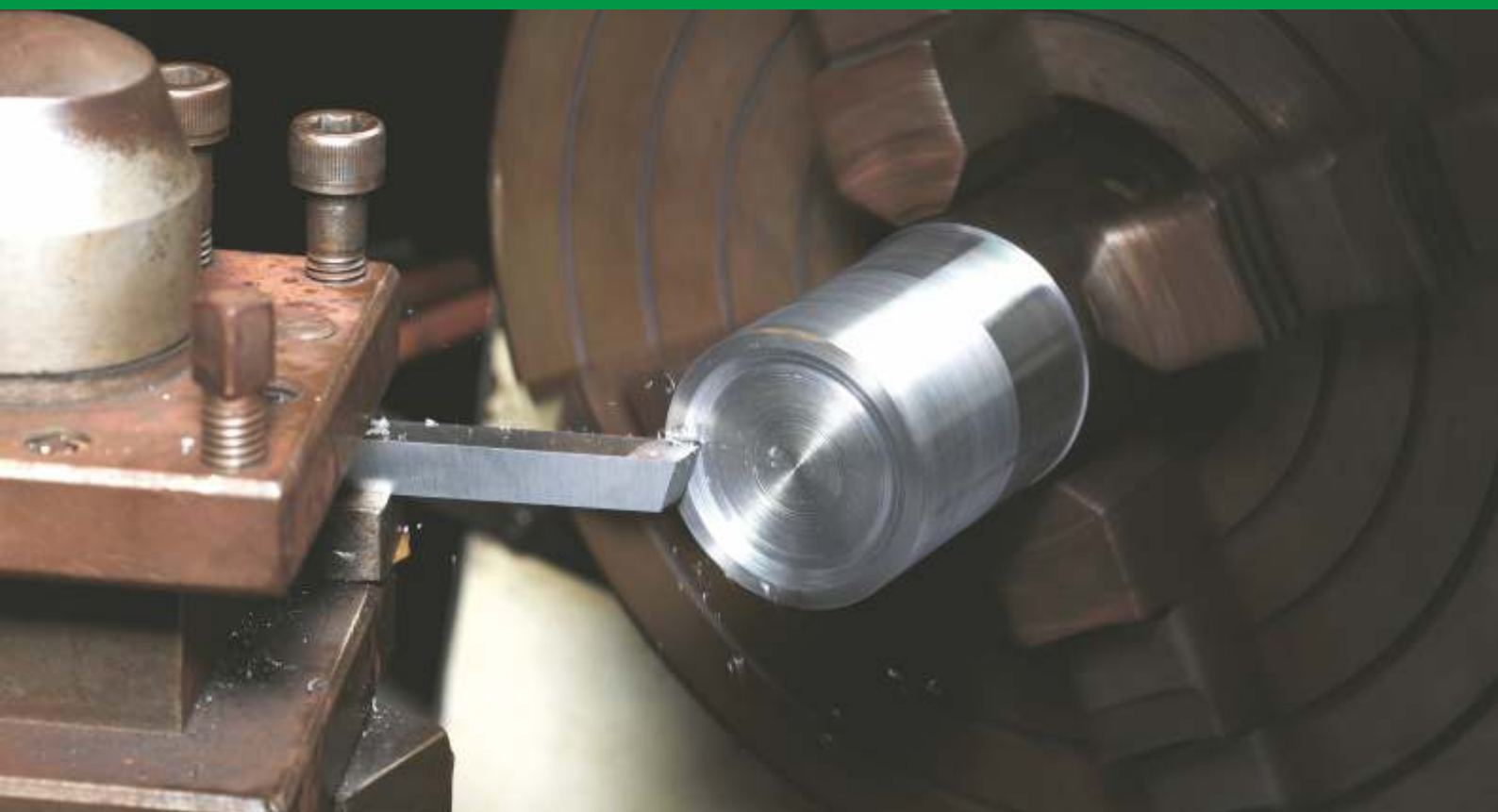


**Power Tool Accessories**

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