

GROUP
021/025**COUNTERBORES/SPOTTING DRILLS****HSS Solid Counterbores****HSS**

Spiral flute, 3 flute. Medium duty. Used for milling of pre-drilled holes to allow bolt or cap head screws to lie flush with the component surface.
Manufactured to **BS328: 5:1983**.

Plain Shank**Metric**

Bolt Size	Pilot Dia.	Cutter Dia.	Overall Length	Weight each	Order Code SHR-021	Price/1 TB
3mm	3.4	6.0	65.0	10g	-3520K	845.00
4mm	4.3	8.0	65.0	10g	-3560K	910.00
5mm	5.3	10.0	70.0	10g	-3580K	910.00
6mm	6.4	11.0	76.0	20g	-3600K	975.00
8mm	8.4	15.0	87.3	60g	-3620K	1445.00
10mm	10.5	18.0	89.0	70g	-3640K	1825.00
12mm	13.0	20.0	108.0	110g	-3660K	2050.00
16mm	17.0	26.0	125.0	225g	-3700K	3065.00

SWISS+TECH HSS TiN Tipped Spotting Drills

Special drill for accurate and fast spotting on NC machines, jig drills and other capital-intensive boring machines. For countersinking and chamfering of tapping holes in one operation. Only suitable for shallow depth drilling.

HSS TiN-tip**NEW****Metric**

Diameter (mm)	Flute Length	Overall Length	Weight per 5	Order Code SWT-125	Price/1 TB
4.00	12.0	46.0	20g	-5180A	450.00
5.00	14.0	62.0	40g	-5181A	550.00
6.00	16.0	66.0	65g	-5182A	565.00
8.00	21.0	79.0	135g	-5183A	750.00
10.00	24.0	89.0	265g	-5184A	850.00
12.00	30.0	102.0	434g	-5185A	950.00
16.00	35.0	115.0	175g	-5187A	1250.00

**HSS Spotting Drills****HSS-E**

Special drill for accurate and fast spotting on NC machines, jig drills and other capital-intensive boring machines. For countersinking and chamfering of tapping holes in one operation. Only suitable for shallow depth drilling.

90° Point - Series C520**Metric**

Diameter (mm)	Flute Length	Overall Length	Weight per 5	Order Code SHR-025	Price/1 TB
3.00	12.0	46.0	15g	-2528Y	125.00
4.00	12.0	46.0	20g	-2528Z	135.00
5.00	14.0	62.0	40g	-2529B	150.00
6.00	16.0	66.0	65g	-2529A	145.00
8.00	21.0	79.0	135g	-2530B	199.00
10.00	24.0	89.0	265g	-2531C	399.00
12.00	30.0	102.0	434g	-2532D	599.00
14.00	33.0	107.0	625g	-2532N	799.00
16.00	35.0	115.0	825g	-2533E	1250.00
20.00	40.0	131.0	1490g	-2534F	1750.00

90° Point 5 Piece Set
Contents: 4.00, 6.00, 8.00, 10.00 and 12.00mm.

HSS-E**5
PIECES**

Number of Pieces	Order Code SHR-025	Price/1 TB
5	-9200K	1650.00

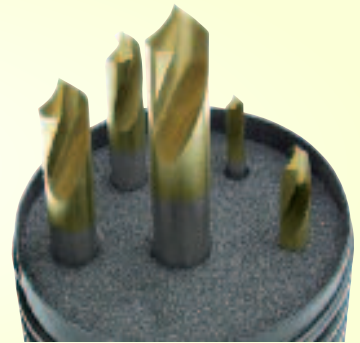
Plain Shank 7 Piece Set
Manufactured to **BS328 : 5 : 1983**.

Contents: M3, M4, M5, M6, M8, M10 and M12.

HSS**7
PIECES**

Number of Pieces	Weight each	Order Code SHR-021	Price/1 TB
7	462g	-9010A	6510.00

90° Point 5 Piece Set
Contents: 4.00, 6.00, 8.00, 10.00 and 12.00

HSS TiN-tip**5
PIECES****NEW**

Number of Pieces	Weight each	Order Code SWT-125	Price/1 TB
5	300g	-5190A	2999.00

120° Point - Series C530**HSS-E****Metric**

Diameter (mm)	Flute Length	Overall Length	Weight per 5	Order Code SHR-025	Price/1 TB
6.00	20.0	66.0	100g	-2535G	165.00
8.00	16.0	79.0	155g	-2536H	275.00
10.00	21.0	89.0	265g	-2537J	425.00
12.00	30.0	102.0	434g	-2538K	599.00
16.00	35.0	115.0	175g	-2539L	1550.00
20.00	40.0	131.0	298g	-2540M	1999.00

Carbide Spotting Drills**CARBIDE**

Designed for close tolerance hole location.

Suitable for continuous production on aluminium, plastics, free cutting steels, cast iron, titanium and some aerospace materials. The stability of carbide makes the tool more rigid and less likely to deflect, maintaining a higher level of accuracy. Operators should note that continuous heavy shock loading may cause the tool to fail due to its brittleness.

90° Point - Metric**Metric**

Diameter (mm)	Flute Length	Overall Length	Weight per 5	Order Code SHR-158	Price/1 TB
4.00	10.0	40.0	40g	-8540K	375.00
6.00	16.0	50.0	100g	-8560K	797.00
8.00	23.0	60.0	155g	-8580K	1004.00
10.00	24.0	70.0	265g	-8600K	1607.00
12.00	25.0	70.0	434g	-8620K	2209.00
16.00	30.0	80.0	175g	-8660K	4285.00
20.00	35.0	100.0	298g	-8700K	7365.00



High Speed Steel SCD Drills

Stub centering drills designed for sheet metal drilling and spot centering operations with a strong supporting web and a reduced chisel edge to help penetration.

135° Split Point - Series S510



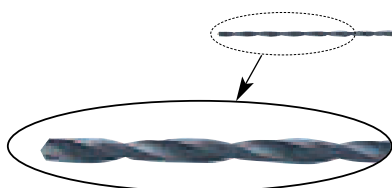
Metric					Inch				
Diameter (mm)	Flute Length	Overall Length	Order Code SHR-025	Price/1 TB	Diameter (Inch)	Flute Length	Overall Length	Order Code SHR-025	Price/1 TB
2.0	14.0	43.0	-1396A	85.00	3/32"	9/16"	1 11/16"	-1400C	89.00
3.0	18.0	49.0	-1396C	65.00	1/8"	11/16"	1 15/16"	-1400F	75.00
4.0	18.0	55.0	-1396E	89.00	5/32"	11/16"	2 5/32"	-1400J	99.00
5.0	18.0	62.0	-1396G	115.00	3/16"	11/16"	2 7/16"	-1400M	125.00
6.0	18.0	70.0	-1396J	175.00	1/4"	3/4"	2 3/4"	-1400Q	199.00

HSS Straight Shank Quick Spiral, Extra Length Vent Drills

QUICK SPIRAL

Sherwood HSS quick spiral extra length Vent drills are designed for drilling the initial vent hole in aluminium tyre moulds, and are also used in the tyre industry for clean-out work post production where the high helix and extra reach are ideal for the efficient evacuation of waste rubber. Manufactured to works standard. 118° point angle.

HSS



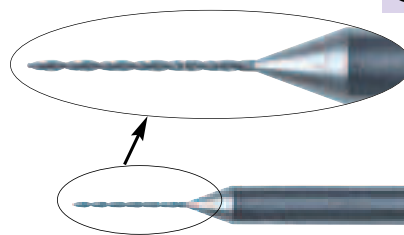
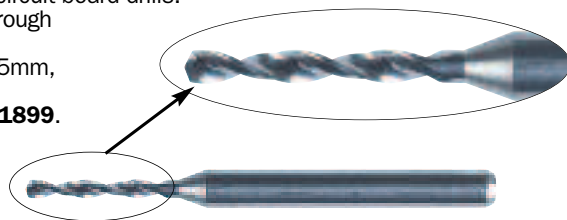
Metric				
Diameter (mm)	Flute Length	Overall Length	Order Code SHR-025	Price/1 TB
0.60	40.0	60.0	-2180D	773.00
0.70	40.0	76.0	-2180H	773.00
0.75	50.0	100.0	-2181P	773.00

Carbide Printed Circuit Board Drills

Solid carbide printed circuit board drills.

Suitable for drilling through printed circuit boards. Shank diameter 3.175mm, 38mm overall length.

Manufactured to DIN 1899.



CARBIDE

Metric				Metric Continued			
Diameter (mm)	Flute Length	Order Code SHR-158	Price/1 TB	Diameter (mm)	Flute Length	Order Code SHR-158	Price/1 TB
0.40	5.5	-3004D	309.00	1.00	10.5	-3016R	309.00
0.45	5.5	-3005E	309.00	1.05	10.5	-3017S	309.00
0.50	5.5	-3006F	309.00	1.10	10.5	-3018T	309.00
0.55	7.0	-3007G	309.00	1.15	10.5	-3019V	309.00
0.60	7.0	-3008H	309.00	1.20	10.5	-3020W	309.00
0.65	7.0	-3009J	309.00	1.25	10.5	-3021X	309.00
0.70	9.5	-3010K	309.00	1.30	10.5	-3022Y	309.00
0.75	9.5	-3011L	309.00	1.35	10.5	-3023Z	309.00
0.80	9.5	-3012M	309.00	1.40	10.5	-3025A	309.00
0.85	9.5	-3013N	309.00	1.45	10.5	-3026B	309.00
0.90	9.5	-3014P	309.00	1.50	10.0	-3027C	309.00
0.95	9.5	-3015Q	309.00				

Drilling Stack Height Limits for Drilling PCB Materials

Includes allowance for entry, materials thickness, penetration into backing material, and flute/swarf clearance.

Feed & Speed Guidelines for Drilling PCB Materials

Values listed are for your guidance.

Drill parameters should be evaluated for different applications.

Drill Dia. (mm)	Suggested Drilling Stack Height Limits for Carbide PCB Drills		
	1 High	2 High	3 High
0.40	3.3	4.9	-
0.45	3.4	5.0	-
0.50	3.6	5.2	-
0.55	3.7	5.3	-
0.60	3.8	5.4	-
0.65	3.9	5.5	-
0.70	4.1	5.7	7.3
0.75	4.2	5.8	7.4
0.80	4.3	5.9	7.5
0.85	4.4	6.0	7.6
0.90	4.6	6.2	7.8
0.95	4.7	6.3	7.9
1.00	4.8	6.4	8.0
1.05	4.9	6.5	8.1
1.10	5.1	6.7	8.3
1.15	5.2	6.8	8.4
1.20	5.3	6.9	8.5
1.25	5.4	7.0	8.6
1.30	5.6	7.2	8.8
1.35	5.7	7.3	8.9
1.40	5.8	7.4	9.0
1.45	5.9	7.5	9.1
1.50	6.1	7.7	9.3



Drill Dia. (mm)	Cutting Speed 120m/min			Cutting Speed 150m/min			Cutting Speed 180m/min		
	Spindle RPM	Feed mm/rev	m/min	Spindle RPM	Feed mm/rev	m/min	Spindle RPM	Feed mm/rev	m/min
0.40	95.000	0.024	2.3	119.000	0.024	2.9	143.000	0.024	3.4
0.45	85.000	0.027	2.3	106.000	0.027	2.9	127.000	0.027	3.4
0.50	76.000	0.030	2.3	95.000	0.030	2.9	115.000	0.030	3.4
0.55	70.000	0.033	2.3	87.500	0.033	2.9	405.000	0.033	3.4
0.60	64.000	0.036	2.3	80.000	0.036	2.9	95.000	0.036	3.4
0.65	59.500	0.039	2.3	74.000	0.039	2.9	88.500	0.039	3.4
0.70	55.000	0.042	2.3	68.000	0.042	2.9	82.000	0.042	3.4
0.75	51.500	0.045	2.3	64.000	0.045	2.9	77.000	0.045	3.4
0.80	48.000	0.048	2.3	60.000	0.048	2.9	72.000	0.048	3.4
0.85	45.000	0.051	2.3	56.500	0.051	2.9	68.000	0.051	3.4
0.90	42.000	0.054	2.3	53.000	0.054	2.9	64.000	0.054	3.4
0.95	40.000	0.057	2.3	50.500	0.057	2.9	60.500	0.057	3.4
1.00	38.000	0.060	2.3	48.000	0.060	2.9	57.000	0.060	3.4
1.05	36.500	0.063	2.3	45.500	0.063	2.9	54.500	0.063	3.4
1.10	35.000	0.066	2.3	43.000	0.066	2.9	52.000	0.066	3.4
1.15	33.500	0.069	2.3	41.500	0.069	2.9	50.000	0.069	3.4
1.20	32.000	0.072	2.3	40.000	0.072	2.9	48.000	0.072	3.4
1.25	30.500	0.075	2.3	38.500	0.075	2.9	46.000	0.075	3.4
1.30	29.000	0.078	2.3	37.000	0.078	2.9	44.000	0.078	3.4
1.35	28.000	0.081	2.3	35.500	0.081	2.9	42.500	0.081	3.4
1.40	27.000	0.084	2.3	34.000	0.084	2.9	41.000	0.084	3.4
1.45	26.000	0.087	2.3	33.000	0.087	2.9	39.500	0.087	3.4
1.50	25.000	0.090	2.3	32.000	0.090	2.9	38.000	0.090	3.4

PRODUCTS ARE ONLY AVAILABLE VIA YOUR DISTRIBUTOR

SWISS+TECH

**HSS TiN Tipped
Centre Drills**

METRIC



Designed with spiral flutes and various lengths and forms to give high quality centre holes that suit most applications.

TiN coating on working parts. 60° inclusive angle.

Manufactured to **BS 328 : Part 2 : 1986, DIN 333A, ISO 866, ISO 2540, ISO 2541.**

HSS TiN-tip**EXTENDED
RANGE**

Metric

Diameter		Pilot Length		Overall Length	Order Code SWT-125	Price/1 TB
Body	Pilot	Min.	Max.			
3.15	1.0	1.3	1.9	31.5	-5142A	650.00
4.00	1.60	2.0	2.8	35.5	-5143A	750.00
5.00	2.00	2.5	3.3	40.0	-5144A	850.00
6.30	2.50	3.1	4.1	45.0	-5145A	1339.00
8.00	3.15	3.9	4.9	50.0	-5146A	1545.00
10.00	4.00	5.0	6.2	56.0	-5147A	2678.00
12.50	5.00	6.3	7.5	63.0	-5148A	1999.00

HSS 5 Piece Metric Set

60° inclusive angle.

Manufactured to **BS 328 : Part 2 : 1986, DIN 333A, ISO 866, ISO 2540, ISO 2541.**

Sizes: 5 x 2mm, 6.3 x 2.5mm, 8 x 3.15mm 10 x 4mm and 12.5 x 5mm.

HSS TiN-tip**NEW****5
PIECES**

Number of Pieces	Weight each	Order Code SWT-125	Price/1 TB
5	120g	-5155A	5650.00

HSS TiN Tipped Centre Drills**HSS TiN-tip**

Designed with spiral flutes and various lengths and forms to give high quality centre holes that suit most applications. TiN coating on working parts. 60° inclusive angle.

Manufactured to **BS 328 : Part 2 : 1986, DIN 333A, ISO 866, ISO 2540, ISO 2541.**

INCH

Inch

Size	Diameter		Pilot Length		Overall Length	Order Code SWT-125	Price/1 TB
	Body	Pilot	Min.	Max.			
BS1	1/8"	3/64"	1/16"	5/64"	1 1/2"	-5133A	361.00
BS2	3/16"	1/16"	5/64"	3/32"	1 3/4"	-5134A	412.00
BS3	1/4"	3/32"	1/8"	5/32"	2"	-5135A	464.00
BS4	5/16"	1/8"	5/32"	3/16"	2 1/4"	-5136A	567.00
BS5	7/16"	3/16"	1/4"	9/32"	2 1/2"	-5137A	876.00

HSS TiN Tipped BS Set**HSS TiN-tip****HSS TiN Tipped Centre Drills**

Designed with spiral flutes and various lengths and forms to give high quality centre holes.

TiN coating on working parts.

60° inclusive angle.

Manufactured to

BS 328 : Part 2 : 1986, DIN 333A, ISO 866, ISO 2540, ISO 2541.

Sizes: BS1, BS2, BS3, BS4 and BS5.

NEW**5
PIECES**

Number of Pieces	Weight each	Order Code SWT-125	Price/1 TB
5	114g	-5140A	2369.00

SHERWOOD
QUALITY CUTTING TOOLS**HSS Centre
Drills**

METRIC



Designed with spiral flutes and various lengths and forms to give high quality centre holes that suit most applications.

60° inclusive angle.

Manufactured to **BS 328 : Part 2 : 1986, DIN 333A, ISO 866, ISO 2540, ISO 2541.**

HSS**C100 Series - Metric**

Diameter		Pilot Length		Overall Length	Weight each	Order Code SHR-025	Price/1 TB
Body	Pilot	Min.	Max.				
3.15	0.80	1.1	1.5	31.5	2g	-1843X	235.00
3.15	1.00	1.3	1.9	31.5	2g	-1844A	245.00
3.15	1.25	1.6	2.2	31.5	3g	-1845B	250.00
4.00	1.60	2.0	2.8	35.5	3g	-1846C	245.00
5.00	2.00	2.5	3.3	40.0	5g	-1847D	250.00
6.30	2.50	3.1	4.1	45.0	9g	-1848E	265.00
8.00	3.15	3.9	4.9	50.0	7g	-1849F	275.00
10.00	4.00	5.0	6.2	56.0	28g	-1850G	340.00
12.50	5.00	6.3	7.5	63.0	45g	-1851H	525.00
16.00	6.30	8.0	9.2	71.0	71g	-1852J	968.00
20.00	8.00	10.0	11.5	83.0	102g	-1852M	979.00
25.00	10.00	12.8	14.2	103.0	197g	-1852N	1288.00

HSS 5 Piece Metric Set

60° inclusive angle.

Manufactured to **BS 328 : Part 2 : 1986, DIN 333A, ISO 866, ISO 2540, ISO 2541.**

Sizes: 5 x 2mm, 6.3 x 2.5mm, 8 x 3.15mm 10 x 4mm and 12.5 x 5mm.

NEW**5
PIECES**

Number of Pieces	Weight each	Order Code SHR-025	Price/1 TB
5	120g	-9150K	1350.00

HSS Centre Drills**HSS**

Designed with spiral flutes and various lengths and forms to give high quality centre holes that suit most applications.

60° inclusive angle.

Manufactured to **BS 328 : Part 2 : 1986, DIN 333A, ISO 866, ISO 2540, ISO 2541.**

INCH**C100 Series - Inch**

Size	Diameter		Pilot Length		Overall Length	Order Code SHR-025	Price/1 TB
	Body	Pilot	Min.	Max.			
BS00	1/8"	0.025"	0.025"	0.030"	1 1/8"	-1827L	129.00
BS0	1/8"	1/32"	3/64"	1/16"	1 1/4"	-1828M	232.00
BS1	1/8"	3/64"	1/16"	5/64"	1 1/2"	-1829A	122.00
BS2	3/16"	1/16"	5/64"	3/32"	1 3/4"	-1830B	155.00
BS3	1/4"	3/32"	1/8"	5/32"	2"	-1831C	201.00
BS4	5/16"	1/8"	5/32"	3/16"	2 1/4"	-1832D	258.00
BS5	7/16"	3/16"	1/4"	9/32"	2 1/2"	-1833E	378.00
BS6	5/8"	1/4"	5/16"	3/8"	3"	-1835G	827.00
BS7	3/4"	5/16"	13/32"	15/32"	3 1/2"	-1836H	1313.00

HSS 5 Piece BS Set

60° inclusive angle.

Manufactured to

BS 328 : Part 2 : 1986, DIN 333A, ISO 866, ISO 2540, ISO 2541.

Sizes: BS1, BS2, BS3, BS4 and BS5.

NEW**5
PIECES**

Number of Pieces	Weight each	Order Code SHR-025	Price/1 TB
5	114g	-9160K	1250.00



High Speed Steel Extra Length Centre Drills

Ground flute, for drilling centre holes on components prior to machining. Extra length drills particularly useful for drilling centre holes in recesses. Manufactured to **BS 328 : Part 1 : 1986, DIN333A : ISO 86, ISO2540, ISO2541.**



HSS



Metric

Diameter (mm)		Overall Length	Weight each	Order Code	Price/1 TB
Body	Point				
4.00	1.00	120	19g	-1866H	199.00
5.00	1.60	120	25g	-1866K	215.00
6.00	2.00	120	31g	-1866N	250.00
8.00	2.50	120	49g	-1866R	275.00
10.00	3.15	120	69g	-1866W	325.00
12.50	5.00	120	86g	-1866X	755.00

Inch

Size	Diameter		Overall Length	Order Code	Price/1 TB
	Body	Pilot			
BS1	1/8"	3/64"	4"	-1881A	345.00
BS2	3/16"	1/16"	4"	-1882B	355.00
BS3	1/4"	3/32"	4"	-1883C	455.00
BS4	5/16"	1/8"	4"	-1884D	565.00
BS5	7/16"	3/16"	4"	-1885E	650.00

HSS Bell Type Centre Drills

Manufactured to **BS 328 : Part 2 : 1986, DIN 333, ISO 2540.**

HSS



Metric

Diameter		Overall Length	Order Code	Price/1 TB
Body	Pilot			
4.00	1.00	35.5	-1861K	600.00
5.00	1.25	40.0	-1861L	650.00
6.30	1.60	45.0	-1861N	700.00
8.00	2.00	50.0	-1861P	750.00
10.00	2.50	56.0	-1861Q	950.00
11.20	3.15	60.0	-1861R	1100.00
14.00	4.00	67.0	-1861S	1350.00
18.00	5.00	75.0	-1861T	2950.00
20.00	6.30	80.0	-1861V	3999.00

Inch

Size	Diameter		Overall Length	Order Code	Price/1 TB
	Body	Pilot			
BS1B	1/8"	3/64"	1 1/2"	-1853A	350.00
BS2B	3/16"	1/16"	1 3/4"	-1854B	450.00
BS3B	1/4"	3/32"	2"	-1855C	550.00
BS4B	5/16"	1/8"	2 1/4"	-1856D	750.00
BS5B	7/16"	5/32"	2 1/2"	-1858F	800.00

Carbide Centre Drills

Used to produce 60° centres in components for subsequent manufacturing operations to be carried out. Tool life is extended and difficult materials may be drilled. 60° included angle. 118° drill point. Manufactured to **BS 328.**



CARBIDE

Tolerances
Cutting Diameter +0.0005"
Shank Diameter +0.0010"



Inch

Size	Diameter		Overall Length	Weight each	Order Code	Price/1 TB
	Body	Drill				
BS1	1/8"	3/64"	1 1/2"	10g	-8010K	1004.00
BS2	3/16"	5/64"	1 7/8"	10g	-8020K	1473.00
BS3	1/4"	7/64"	2"	20g	-8030K	1868.00
BS4	5/16"	1/8"	2 1/8"	30g	-8040K	2565.00
BS5	7/16"	3/16"	2 3/4"	70g	-8050K	3816.00
BS6	1/2"	7/32"	3"	90g	-8060K	5289.00

Metric

Diameter		Pilot Length		Overall Length	Weight each	Order Code	Price/1 TB
Body	Pilot	Min.	Max.				
4.00	1.60	2.0	2.8	35.5	3g	-8110K	603.00
5.00	2.00	2.5	3.3	40.0	5g	-8120K	670.00
6.30	2.50	3.1	4.1	45.0	9g	-8130K	797.00
8.00	3.15	3.9	4.9	50.0	7g	-8140K	971.00
10.00	4.00	5.0	6.2	56.0	28g	-8150K	1272.00
12.50	5.00	6.3	7.5	63.0	45g	-8160K	2009.00
16.00	6.30	8.0	9.2	71.0	123g	-8180K	4285.00

KENNEDY Carbide Centre Drills

Used to produce 60° centres in components for subsequent manufacturing operations to be carried out. Tool life is extended and difficult materials may be drilled. 60° included angle. 118° drill point. Manufactured to **BS 328.**



CARBIDE

Tolerances
Cutting Diameter +0.0005"
Shank Diameter +0.0010"



Inch

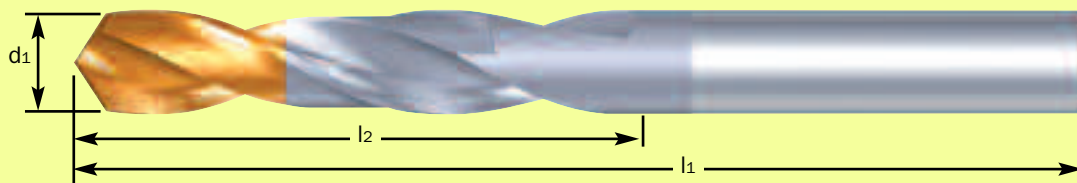
Size	Diameter		Overall Length	Weight each	Order Code	Price/1 TB
	Body	Drill				
BS1	1/8"	3/64"	1 1/2"	10g	-9010K	1133.00
BS2	3/16"	5/64"	1 7/8"	10g	-9020K	1700.00
BS3	1/4"	7/64"	2"	20g	-9030K	1931.00
BS4	5/16"	1/8"	2 1/8"	30g	-9040K	2627.00
BS5	7/16"	3/16"	2 3/4"	70g	-9050K	3966.00
BS6	1/2"	7/32"	3"	90g	-9060K	5722.00

PRODUCTS ARE ONLY AVAILABLE VIA YOUR DISTRIBUTOR

GROUP 025 STUB DRILLS

Dimensions - Stub Drills to BS 328 / DIN 1897

The majority of stub drills feature in this catalogue comply with the above standards in terms of overall and working dimensions. The tables of sizes below apply to all of these products. In order to save space in the catalogue we are not repeating these dimensions after this page. Any drills which are made to different standards/dimensions will have them listed accordingly in the tables for those products.



d1	Inch	Inch	l2	l1
mm	hs	Dec.	mm	mm
0.50		0.0196	3.0	20.0
0.60		0.0236	3.5	21.0
0.70		0.0275	4.5	23.0
0.79	¹ / ₃₂	0.0312	5.0	24.0
0.80		0.0314	5.0	24.0
0.90		0.0354	5.5	25.0
1.00		0.0393	6.0	26.0
1.10		0.0433	7.0	28.0
1.19	³ / ₆₄	0.0468	8.0	30.0
1.20		0.0472	8.0	30.0
1.30		0.0511	8.0	30.0
1.40		0.0551	9.0	32.0
1.50		0.0590	9.0	32.0
1.59	¹ / ₁₆	0.0625	10.0	34.0
1.60		0.0629	10.0	34.0
1.70		0.0669	10.0	34.0
1.80		0.0708	11.0	36.0
1.90		0.0748	11.0	36.0
1.98	⁵ / ₆₄	0.0779	12.0	38.0
2.00		0.0787	12.0	38.0
2.10		0.0826	12.0	38.0
2.20		0.0866	13.0	40.0
2.25		0.0885	13.0	40.0
2.30		0.0905	13.0	40.0
2.38	³ / ₃₂	0.0937	14.0	43.0
2.40		0.0944	14.0	43.0
2.50		0.0984	14.0	43.0
2.60		0.1023	14.0	43.0
2.65		0.1043	14.0	43.0
2.70		0.1062	16.0	46.0
2.78	⁷ / ₆₄	0.1094	16.0	46.0
2.80		0.1102	16.0	46.0
2.90		0.1141	16.0	46.0
3.00		0.1181	16.0	46.0
3.10		0.1220	18.0	49.0
3.18	¹ / ₈	0.1251	18.0	49.0
3.20		0.1259	18.0	49.0
3.25		0.1279	18.0	49.0
3.30		0.1299	18.0	49.0
3.40		0.1338	20.0	52.0
3.50		0.1377	20.0	52.0
3.57	⁹ / ₆₄	0.1405	20.0	52.0
3.60		0.1417	20.0	52.0
3.70		0.1456	20.0	52.0

d1	Inch	Inch	l2	l1
mm	hs	Dec.	mm	mm
3.80		0.1496	22.0	55.0
3.90		0.1535	22.0	55.0
3.97	⁵ / ₃₂	0.1562	22.0	55.0
4.00		0.1574	22.0	55.0
4.10		0.1614	22.0	55.0
4.20		0.1653	22.0	55.0
4.30		0.1692	24.0	58.0
4.37	¹¹ / ₆₄	0.1720	24.0	58.0
4.40		0.1732	24.0	58.0
4.50		0.1771	24.0	58.0
4.60		0.1811	24.0	58.0
4.70		0.1850	24.0	58.0
4.76	³ / ₁₆	0.1874	26.0	62.0
4.80		0.1889	26.0	62.0
4.90		0.1929	26.0	62.0
5.00		0.1968	26.0	62.0
5.10		0.2007	26.0	62.0
5.16	¹³ / ₆₄	0.2031	26.0	62.0
5.20		0.2047	26.0	62.0
5.30		0.2086	26.0	62.0
5.40		0.2125	28.0	66.0
5.50		0.2165	28.0	66.0
5.56	⁷ / ₃₂	0.2188	28.0	66.0
5.60		0.2204	28.0	66.0
5.70		0.2244	28.0	66.0
5.80		0.2283	28.0	66.0
5.90		0.2322	28.0	66.0
5.95	¹⁵ / ₆₄	0.2342	28.0	66.0
6.00		0.2362	28.0	66.0
6.10		0.2401	31.0	70.0
6.20		0.2440	31.0	70.0
6.30		0.2480	31.0	70.0
6.35	¹ / ₄	0.2500	31.0	70.0
6.40		0.2519	31.0	70.0
6.50		0.2559	31.0	70.0
6.60		0.2598	31.0	70.0
6.70		0.2637	31.0	70.0
6.80		0.2677	34.0	74.0
6.90		0.2716	34.0	74.0
7.00		0.2755	34.0	74.0
7.10		0.2795	34.0	74.0
7.14	⁹ / ₃₂	0.2811	34.0	74.0
7.20		0.2834	34.0	74.0
7.30		0.2874	34.0	74.0

d1	Inch	Inch	l2	l1
mm	hs	Dec.	mm	mm
7.40		0.2913	34.0	74.0
7.50		0.2952	34.0	74.0
7.60		0.2992	37.0	79.0
7.70		0.3031	37.0	79.0
7.80		0.3070	37.0	79.0
7.90		0.3110	37.0	79.0
7.94	⁵ / ₁₆	0.3125	37.0	79.0
8.00		0.3149	37.0	79.0
8.10		0.3188	37.0	79.0
8.20		0.3228	37.0	79.0
8.30		0.3267	37.0	79.0
8.40		0.3307	37.0	79.0
8.50		0.3346	37.0	79.0
8.60		0.3385	40.0	84.0
8.70		0.3425	40.0	84.0
8.73	¹¹ / ₃₂	0.3437	40.0	84.0
8.80		0.3464	40.0	84.0
8.90		0.3503	40.0	84.0
9.00		0.3543	40.0	84.0
9.10		0.3582	40.0	84.0
9.20		0.3622	40.0	84.0
9.30		0.3661	40.0	84.0
9.40		0.3700	40.0	84.0
9.50		0.3740	40.0	84.0
9.53	³ / ₈	0.3751	43.0	89.0
9.60		0.3779	43.0	89.0
9.70		0.3818	43.0	89.0
9.80		0.3858	43.0	89.0
9.90		0.3897	43.0	89.0
10.00		0.3937	43.0	89.0
10.10		0.3976	43.0	89.0
10.20		0.4015	43.0	89.0
10.30		0.4055	43.0	89.0
10.32	¹³ / ₃₂	0.4062	43.0	89.0
10.40		0.4094	43.0	89.0
10.50		0.4133	43.0	89.0
10.60		0.4173	43.0	89.0
10.70		0.4212	47.0	95.0
10.80		0.4251	47.0	95.0
10.90		0.4291	47.0	95.0
11.00		0.4330	47.0	95.0
11.10		0.4370	47.0	95.0
11.11	⁷ / ₁₆	0.4374	47.0	95.0
11.20		0.4409	47.0	95.0

d1	Inch	Inch	l2	l1
mm	hs	Dec.	mm	mm
11.30		0.4448	47.0	95.0
11.50		0.4527	47.0	95.0
11.60		0.4566	47.0	95.0
11.70		0.4606	47.0	95.0
11.80		0.4645	47.0	95.0
11.90		0.4685	51.0	102.0
12.00		0.4724	51.0	102.0
12.10		0.4763	51.0	102.0
12.20		0.4803	51.0	102.0
12.50		0.4921	51.0	102.0
12.70	¹ / ₂	0.5000	51.0	102.0
13.00		0.5118	51.0	102.0
13.50		0.5314	54.0	107.0
14.00		0.5511	54.0	107.0
14.29	⁹ / ₁₆	0.5625	56.0	111.0
14.50		0.5708	56.0	111.0
15.00		0.5905	56.0	111.0
15.50		0.6102	58.0	115.0
15.88	⁵ / ₈	0.6251	58.0	115.0
16.00		0.6299	58.0	115.0
16.50		0.6496	60.0	119.0
17.00		0.6692	60.0	119.0
17.46	¹¹ / ₁₆	0.6874	62.0	123.0
17.50		0.6889	62.0	123.0
18.00		0.7086	62.0	123.0
18.50		0.7283	64.0	127.0
19.00		0.7480	64.0	127.0
19.05	³ / ₄	0.7500	66.0	131.0
19.50		0.7677	66.0	131.0
20.00		0.7874	66.0	131.0
20.50		0.8070	68.0	136.0
20.64	¹³ / ₁₆	0.8125	68.0	136.0
21.00		0.8267	68.0	136.0
22.00		0.8661	70.0	141.0
22.23	⁷ / ₈	0.8751	70.0	141.0
23.00		0.9055	72.0	146.0
23.81	¹⁵ / ₁₆	0.9374	75.0	151.0
24.00		0.9448	75.0	151.0
25.00		0.9842	75.0	151.0
25.40	1"	1.0000	78.0	156.0
26.99	¹¹ / ₁₆	1.0625	81.0	162.0
28.58	¹¹ / ₈	1.1251	84.0	168.0
30.16	¹³ / ₁₆	1.1874	87.0	174.0
31.75	¹ / ₄	1.2500	90.0	180.0

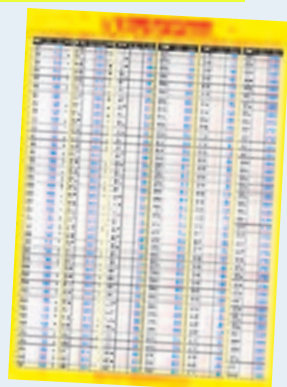
FREE



**Metric/Inch
Conversion
Wall Chart
(A2 Size)**

**AVAILABLE
ON REQUEST
CAT-849-0937A**

Contact your local
branch or representative.



FREE



**Tapping Drill
Wall Chart
(A2 Size)**

**AVAILABLE
ON REQUEST
CAT-849-0938A**

Contact your local
branch or representative.





HSS General Purpose Stub Drills

General purpose drills for use on automatics and turret lathes. Suitable for drilling steels, cast iron, alloy steel and malleable cast iron. Point angle: 118°, helix angle: normal, web thickness: standard, relief angle: 10° - 20°, tolerance of diameter: h8, tolerance of shank: f11. Manufactured to **BS 328: Part 1: 1986/DIN 1897**.



HSS



For Dimensions

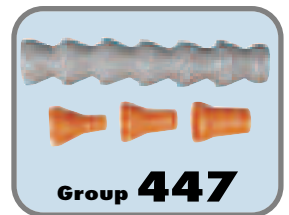
See Page 42

CUTTING TOOLS

Series S100 - Metric			PRICED PER 10			PRICED PER 10			PRICED PER 10			PRICED PER 1		
Dia. (mm)	Order Code SHR-025	Price/10 TB	Dia. (mm)	Order Code SHR-025	Price/10 TB	Dia. (mm)	Order Code SHR-025	Price/10 TB	Dia. (mm)	Order Code SHR-025	Price/10 TB	Dia. (mm)	Order Code SHR-025	Price/1 TB
1.00	-1227H	1300.00	5.00	-1277M	1450.00	8.30	-1310Y	5850.00	13.20	-1358A	2900.00			
1.50	-1233P	1100.00	5.10	-1278N	2550.00	8.40	-1311N	5900.00	13.50	-1359B	1550.00			
1.80	-1236S	1550.00	5.20	-1279P	2350.00	8.50	-1312A	3750.00	14.00	-1361D	1550.00			
2.00	-1240X	900.00	5.30	-1280Q	2450.00	8.60	-1313B	6200.00	14.50	-1362E	1850.00			
2.10	-1242N	2030.00	5.40	-1281R	2700.00	8.70	-1314C	6150.00	14.70	-1362H	3500.00			
2.20	-1243A	2100.00	5.50	-1282S	1750.00	8.80	-1315D	6300.00	14.80	-1362R	3600.00			
2.30	-1245C	1400.00	5.60	-1283T	2750.00	8.90	-1316E	6700.00	15.00	-1363F	2050.00			
2.40	-1246D	1350.00	5.80	-1285W	1900.00	9.00	-1317F	4150.00	15.50	-1364G	2150.00			
2.50	-1248F	900.00	5.90	-1286X	3150.00	9.10	-1318G	7150.00	16.00	-1365H	2300.00			
2.60	-1250H	1300.00	6.00	-1287Y	1950.00	9.20	-1319H	7200.00	16.50	-1366J	2450.00			
2.70	-1252K	1350.00	6.10	-1288N	3250.00	9.40	-1321K	7450.00	17.00	-1367K	2650.00			
2.80	-1253L	1350.00	6.20	-1289A	3350.00	9.50	-1322L	4700.00	17.50	-1368L	2550.00			
2.90	-1255N	1550.00	6.30	-1290B	3400.00	9.60	-1323M	7650.00	18.00	-1369M	3050.00			
3.00	-1257Q	900.00	6.40	-1291C	3200.00	9.70	-1324N	7650.00	18.50	-1370N	3200.00			
3.10	-1258R	1400.00	6.50	-1292D	2250.00	9.80	-1325P	8050.00	19.00	-1371P	3350.00			
3.20	-1259S	1450.00	6.60	-1293E	3600.00	10.00	-1327R	5200.00	19.50	-1372Q	3550.00			
3.30	-1260T	950.00	6.70	-1294F	3700.00	10.10	-1328S	8400.00	20.00	-1373R	3750.00			
3.40	-1261V	1700.00	6.80	-1295G	3550.00	10.20	-1329T	8050.00	21.00	-1374S	4250.00			
3.50	-1262W	1050.00	6.90	-1296H	3999.00	10.30	-1330V	9250.00	22.00	-1375T	4700.00			
3.60	-1263X	1650.00	7.00	-1297J	2550.00	10.40	-1331W	9300.00	25.00	-1378X	6300.00			
3.70	-1264Y	1750.00	7.10	-1298K	4250.00	10.50	-1332X	8300.00						
3.80	-1265N	1750.00	7.20	-1299L	4350.00	10.80	-1335A	10300.00						
3.90	-1266A	1800.00	7.30	-1300M	4400.00	11.00	-1337C	6550.00						
4.00	-1267B	1200.00	7.40	-1301N	4650.00	11.50	-1342H	10100.00						
4.10	-1268C	1200.00	7.50	-1302P	3100.00	12.00	-1347N	7750.00						
4.20	-1269D	1300.00	7.60	-1303Q	4850.00	12.20	-1349Q	13150.00						
4.30	-1270E	2050.00	7.70	-1304R	4950.00	12.50	-1352T	12200.00						
4.40	-1271F	2100.00	7.80	-1305S	4950.00	12.60	-1353V	26500.00						
4.50	-1272G	1350.00	7.90	-1306T	5250.00	12.90	-1356Y	28500.00						
4.60	-1273H	2150.00	8.00	-1307V	3250.00	13.00	-1357N	9350.00						
4.80	-1275K	2300.00	8.10	-1308W	5450.00									
4.90	-1276L	1450.00	8.20	-1309X	5550.00									



Group 447



EXTENDED RANGE



For Dimensions

See Page 42

Series S100 - Inch			PRICED PER 10			PRICED PER 10			PRICED PER 10			PRICED PER 1		
Dia. (inch)	Order Code SHR-025	Price/10 TB	Dia. (inch)	Order Code SHR-025	Price/10 TB	Dia. (inch)	Order Code SHR-025	Price/10 TB	Dia. (inch)	Order Code SHR-025	Price/1 TB	Dia. (inch)	Order Code SHR-025	Price/1 TB
1/16"	-1194C	1050.00	3/16"	-1194L	1350.00	11/32"	-1194X	3900.00	33/64"	-1195J	2900.00			
5/64"	-1194D	1050.00	13/64"	-1194M	1550.00	3/8"	-1194Z	4650.00	9/16"	-1195M	1700.00			
3/32"	-1194E	850.00	7/32"	-1194N	1800.00	25/64"	-1195A	17300.00	5/8"	-1195R	1550.00			
7/64"	-1194F	900.00	15/64"	-1194P	2200.00	7/16"	-1195D	6700.00	21/32"	-1195T	3550.00			
1/8"	-1194G	950.00	1/4"	-1194Q	2200.00	29/64"	-1195E	23400.00	3/4"	-1196A	2450.00			
9/64"	-1194H	1050.00	9/32"	-1194S	2600.00	15/32"	-1195F	25250.00						
5/32"	-1194J	1150.00	5/16"	-1194V	3150.00	1/2"	-1195H	8700.00						
11/64"	-1194K	1300.00	21/64"	-1194W	9950.00									

HSS General Purpose Stub Drills - Bright Finish

General purpose drills for use on automatics and turret lathes. Suitable for drilling steels, cast iron, alloy steel and malleable cast iron. Point angle: 118°, helix angle: normal, web thickness: standard, relief angle: 10° - 20°, tolerance of diameter: h8, tolerance of shank: f11. Manufactured to **BS 328: Part 1: 1986/DIN 1897**.



HSS



For Dimensions

See Page 42

Metric									328			See Page 12		
Dia. (mm)	Order Code SHR-025	Price/10 TB	Dia. (mm)	Order Code SHR-025	Price/10 TB	Dia. (mm)	Order Code SHR-025	Price/10 TB	Dia. (mm)	Order Code SHR-025	Price/10 TB	Dia. (mm)	Order Code SHR-025	Price/10 TB
2.00	-1170D	950.00	3.30	-1170W	950.00	4.90	-1171S	1450.00	8.00	-1173Z	3250.00			
2.50	-1170L	950.00	3.50	-1170Z	1050.00	5.00	-1171V	1500.00	8.50	-1174J	3750.00			
3.00	-1170R	950.00	4.00	-1171E	1200.00	6.00	-1172K	1900.00	10.00	-1175K	5200.00			
3.20	-1170T	1450.00	4.20	-1171H	1300.00	7.00	-1172Y	2550.00	12.00	-1177M	7750.00			

PRODUCTS ARE ONLY AVAILABLE VIA YOUR DISTRIBUTOR

GROUP 025 STUB DRILLS

SWISS+TECH HSS TiN Coated Stub Drills

General purpose drill for use on automatics and turret lathes. Suitable for drilling steels, cast iron, alloy steel and malleable cast iron. TiN coating provides longer tool life or increased cutting speeds.

Point angle: 135°, helix angle: normal, web thickness: normal, tolerance of diameter: h8, tolerance of shank: f11.

Manufactured to BS 328, DIN 1897 RN.



HSS TiN



For Dimensions

See Page 42



DIN 1412C 135°

Series 2001 Metric

Dia. (mm)	Order Code SWT-125	Price/1 TB	Dia. (mm)	Order Code SWT-125	Price/1 TB	Dia. (mm)	Order Code SWT-125	Price/1 TB	Dia. (mm)	Order Code SWT-125	Price/1 TB
2.50	-2025A	510.00	4.20	-2042A	567.00	6.50	-2065A	1190.00	9.00	-2090A	1530.00
3.00	-2030A	510.00	4.50	-2045A	567.00	6.80	-2068A	1303.00	12.00	-2120A	3744.00
3.20	-2032A	567.00	5.00	-2050A	623.00	8.00	-2080A	1150.00	13.00	-2130A	3966.00
4.00	-2040A	567.00	5.20	-2052A	680.00	8.50	-2085A	1473.00			

HSS-Co Heavy Duty Cobalt Stub Drills

Heavy duty drill made of cobalt material with excellent heat resistance. For drilling steels up to 1,400N/mm², stainless steel, heat resistant steels and bronze. Ideally suited for volume production on automatics. Point angle: 135°, helix angle: normal, web thickness: strengthened, tolerance of diameter: h8, tolerance of shank: f11.

Manufactured to BS 328, DIN 1897RN. Point to DIN 1412C.

HSS-Co



For Dimensions

See Page 42



DIN 1412C 135°

Series 2010 Metric

Dia. (mm)	Order Code SWT-125	Price/1 TB	Dia. (mm)	Order Code SWT-125	Price/1 TB	Dia. (mm)	Order Code SWT-125	Price/1 TB	Dia. (mm)	Order Code SWT-125	Price/1 TB
1.00	-2210A	340.00	2.90	-2229A	397.00	5.00	-2250A	453.00	8.20	-2282A	1869.00
1.10	-2211A	340.00	3.00	-2230A	283.00	5.20	-2252A	680.00	8.40	-2284A	2039.00
1.20	-2212A	340.00	3.10	-2231A	340.00	5.50	-2255A	567.00	8.50	-2285A	963.00
1.30	-2213A	340.00	3.20	-2232A	340.00	6.00	-2260A	623.00	8.70	-2287A	2153.00
1.60	-2216A	340.00	3.30	-2233A	397.00	6.10	-2261A	1133.00	8.80	-2288A	2153.00
1.70	-2217A	340.00	3.40	-2234A	397.00	6.20	-2262A	1133.00	9.00	-2290A	1076.00
1.80	-2218A	340.00	3.50	-2235A	397.00	6.40	-2264A	1190.00	9.50	-2295A	1190.00
2.00	-2220A	227.00	3.70	-2237A	397.00	6.50	-2265A	680.00	10.00	-2300A	1303.00
2.10	-2221A	340.00	4.00	-2240A	397.00	6.80	-2268A	1303.00	10.20	-2302A	2266.00
2.30	-2223A	340.00	4.10	-2241A	407.00	7.00	-2270A	736.00	10.50	-2305A	2379.00
2.40	-2224A	340.00	4.20	-2242A	407.00	7.20	-2272A	1360.00	11.00	-2310A	2379.00
2.50	-2225A	340.00	4.30	-2243A	453.00	7.50	-2275A	850.00	11.50	-2315A	2946.00
2.60	-2226A	340.00	4.50	-2245A	453.00	7.70	-2277A	1530.00	12.00	-2320A	3172.00
2.70	-2227A	397.00	4.80	-2248A	510.00	7.80	-2278A	1586.00	13.00	-2330A	3569.00
2.80	-2228A	397.00	4.90	-2249A	510.00	8.00	-2280A	850.00			

HSS-Co TiN Coated Heavy Duty Stub Drills

Heavy duty drill made of cobalt material with excellent heat resistance. For drilling steels up to 1,400N/mm², stainless steel, heat resistant steels and bronze. Ideally suited for volume production on automatics. TiN coating provides longer tool life or increased cutting speeds. Point angle: 135°, helix angle: normal, web thickness: strengthened, tolerance of diameter: h8, tolerance of shank: f11.

Manufactured to BS 328, DIN 1897RN. Point to DIN 1412C.

HSS-Co TiN



For Dimensions

See Page 42



DIN 1412C 135°

Series 2020 Metric

Dia. (mm)	Order Code SWT-125	Price/1 TB	Dia. (mm)	Order Code SWT-125	Price/1 TB	Dia. (mm)	Order Code SWT-125	Price/1 TB	Dia. (mm)	Order Code SWT-125	Price/1 TB
1.00	-2410A	736.00	3.30	-2433A	793.00	5.20	-2452A	1246.00	8.20	-2482A	5438.00
1.50	-2415A	736.00	3.50	-2435A	793.00	5.50	-2455A	1133.00	8.50	-2485A	1869.00
1.60	-2416A	736.00	4.00	-2440A	850.00	6.00	-2460A	1190.00	10.00	-2500A	2549.00
2.00	-2420A	736.00	4.10	-2441A	850.00	6.10	-2461A	2379.00	10.20	-2502A	4702.00
2.20	-2422A	736.00	4.20	-2442A	850.00	6.20	-2462A	2266.00	11.00	-2510A	4872.00
2.40	-2424A	736.00	4.40	-2444A	906.00	6.50	-2465A	1586.00	12.00	-2520A	6118.00
2.50	-2425A	680.00	4.50	-2445A	850.00	6.80	-2468A	2606.00	13.00	-2530A	6628.00
2.60	-2426A	736.00	4.80	-2448A	1020.00	7.00	-2470A	1643.00			
3.00	-2430A	736.00	5.00	-2450A	906.00	7.50	-2475A	1813.00			
3.20	-2432A	736.00	5.10	-2451A	1246.00	8.00	-2480A	1756.00			

KENNEDY *Solid Carbide
Stub Drills*

For drilling into steel, cast steel, cast iron, chilled cast iron, malleable cast iron, non-ferrous materials and abrasive plastic.
Point angle: 118°, helix angle: 30°,
tolerance of diameter: h7,
tolerance of shank: h6.
Manufactured to **DIN 6539**.

Metric

Dia. (mm)	Flute Length	Overall Length	Order Code KEN-158	Price/1 TB
1.00	6.0	26.0	-3100K	510.00
1.10	6.0	26.0	-3110K	510.00
1.20	8.0	30.0	-3120K	510.00
1.30	8.0	30.0	-3130K	556.00
1.40	9.0	32.0	-3140K	556.00
1.50	9.0	32.0	-3150K	556.00
1.60	10.0	34.0	-3160K	556.00
1.70	10.0	34.0	-3170K	556.00
1.80	11.0	36.0	-3180K	556.00
1.90	11.0	36.0	-3190K	567.00
2.00	12.0	38.0	-3200K	603.00
2.20	13.0	40.0	-3220K	618.00
2.30	13.0	40.0	-3230K	644.00
2.40	14.0	43.0	-3240K	680.00
2.50	14.0	43.0	-3250K	680.00
2.60	14.0	43.0	-3260K	706.00



CARBIDE

Dia. (mm)	Flute Length	Overall Length	Order Code KEN-158	Price/1 TB
2.70	16.0	46.0	-3270K	736.00
2.80	16.0	46.0	-3280K	736.00
2.90	16.0	46.0	-3290K	747.00
3.00	16.0	46.0	-3300K	680.00
3.10	18.0	49.0	-3310K	773.00
3.20	18.0	49.0	-3320K	793.00
3.30	18.0	49.0	-3330K	793.00
3.40	20.0	52.0	-3340K	1133.00
3.50	20.0	52.0	-3350K	819.00
3.60	20.0	52.0	-3360K	850.00
3.70	20.0	52.0	-3370K	906.00
3.80	22.0	55.0	-3380K	963.00
3.90	22.0	55.0	-3390K	963.00
4.00	22.0	55.0	-3400K	850.00
4.10	22.0	55.0	-3410K	1020.00
4.20	22.0	55.0	-3420K	1020.00

Dia. (mm)	Flute Length	Overall Length	Order Code KEN-158	Price/1 TB
4.50	24.0	58.0	-3450K	1076.00
4.90	26.0	62.0	-3490K	1133.00
5.00	26.0	62.0	-3500K	1190.00
5.10	26.0	62.0	-3510K	1190.00
5.20	26.0	62.0	-3520K	1303.00
5.50	28.0	66.0	-3550K	1416.00
5.60	28.0	66.0	-3560K	1473.00
6.00	28.0	66.0	-3600K	1360.00
6.50	31.0	70.0	-3650K	2300.00
7.00	34.0	74.0	-3700K	1869.00
7.50	34.0	74.0	-3750K	2650.00
8.00	37.0	79.0	-3800K	2100.00
8.50	37.0	79.0	-3850K	2946.00
9.00	40.0	84.0	-3900K	2946.00
10.00	43.0	89.0	-4100K	3286.00

SHERWOOD *Solid Carbide
Stub Drills*

For drilling into steel, cast steel, cast iron, chilled cast iron, malleable cast iron, non-ferrous materials and abrasive plastic.
Point angle: 118°, helix angle: 30°,
tolerance of diameter: h7,
tolerance of shank: h6.
Manufactured to **Works Standard**.

Metric

Dia. (mm)	Flute Length	Overall Length	Order Code SHR-158	Price/1 TB
1.0	11.0	30.0	-3100K	424.00
1.1	11.0	30.0	-3110K	424.00
1.2	13.0	30.0	-3120K	424.00
1.3	13.0	30.0	-3130K	424.00
1.4	13.0	30.0	-3140K	424.00
1.5	13.0	30.0	-3150K	424.00
1.6	17.5	40.0	-3160K	424.00
1.7	17.5	40.0	-3170K	424.00
1.8	17.5	40.0	-3180K	424.00
1.9	17.5	40.0	-3190K	424.00
2.0	17.5	40.0	-3200K	424.00
2.1	17.5	40.0	-3210K	489.00
2.2	17.5	40.0	-3220K	489.00
2.3	17.5	40.0	-3230K	489.00
2.4	17.5	40.0	-3240K	489.00
2.5	17.5	40.0	-3250K	489.00
2.6	20.0	45.0	-3260K	489.00
2.7	20.0	45.0	-3270K	567.00
2.8	20.0	45.0	-3280K	567.00
2.9	20.0	45.0	-3290K	567.00
3.0	20.0	45.0	-3300K	618.00
3.1	22.0	50.0	-3310K	618.00
3.2	22.0	50.0	-3320K	618.00
3.3	22.0	50.0	-3330K	618.00
3.4	22.0	50.0	-3340K	670.00
3.5	22.0	50.0	-3350K	670.00
3.6	22.0	50.0	-3360K	695.00
3.7	22.0	50.0	-3370K	695.00
3.8	22.0	50.0	-3380K	721.00
3.9	22.0	50.0	-3390K	747.00



CARBIDE

Dia. (mm)	Flute Length	Overall Length	Order Code SHR-158	Price/1 TB
4.0	22.0	50.0	-3400K	773.00
4.1	25.0	50.0	-3410K	824.00
4.2	25.0	50.0	-3420K	824.00
4.3	25.0	50.0	-3430K	824.00
4.4	25.0	50.0	-3440K	824.00
4.5	25.0	50.0	-3450K	824.00
4.6	25.0	50.0	-3460K	850.00
4.7	25.0	50.0	-3470K	850.00
4.8	25.0	50.0	-3480K	850.00
4.9	25.0	50.0	-3490K	850.00
5.0	25.0	50.0	-3500K	939.00
5.1	25.0	50.0	-3510K	979.00
5.2	25.0	50.0	-3520K	979.00
5.3	25.0	50.0	-3530K	979.00
5.4	25.0	50.0	-3540K	979.00
5.5	25.0	50.0	-3550K	979.00
5.6	25.0	50.0	-3560K	979.00
5.7	25.0	50.0	-3570K	979.00
5.8	25.0	50.0	-3580K	1133.00
5.9	25.0	50.0	-3590K	1133.00
6.0	25.0	50.0	-3600K	1313.00
6.1	30.0	65.0	-3610K	1339.00
6.2	30.0	65.0	-3620K	1339.00
6.3	30.0	65.0	-3630K	1339.00
6.4	30.0	65.0	-3640K	1339.00
6.5	30.0	65.0	-3650K	1339.00
6.8	30.0	65.0	-3680K	1597.00
6.9	30.0	65.0	-3690K	1597.00
7.0	30.0	65.0	-3700K	1803.00
7.5	34.0	70.0	-3750K	1957.00

Dia. (mm)	Flute Length	Overall Length	Order Code SHR-158	Price/1 TB
7.9	34.0	70.0	-3790K	1957.00
8.0	34.0	70.0	-3800K	2034.00
8.1	34.0	70.0	-3810K	2034.00
8.2	34.0	70.0	-3820K	2034.00
8.3	34.0	70.0	-3830K	2034.00
8.5	34.0	70.0	-3850K	2034.00
8.7	34.0	75.0	-3870K	2034.00
9.0	34.0	75.0	-3900K	2215.00
9.2	34.0	75.0	-3920K	2421.00
9.5	34.0	75.0	-3950K	2472.00
9.6	34.0	75.0	-3960K	2575.00
9.8	34.0	75.0	-3980K	2833.00
10.0	34.0	75.0	-4100K	2936.00
10.2	50.0	100.0	-4102K	3039.00
10.5	50.0	100.0	-4105K	3245.00
11.0	50.0	100.0	-4110K	3245.00
11.5	50.0	100.0	-4115K	3348.00
12.0	50.0	100.0	-4120K	3605.00
12.5	60.0	107.0	-4125K	4069.00
13.0	60.0	107.0	-4130K	4378.00
13.5	60.0	107.0	-4135K	5665.00
14.0	60.0	107.0	-4140K	7725.00
15.0	65.0	115.0	-4150K	10558.00
16.0	65.0	115.0	-4160K	11845.00
17.0	73.0	123.0	-4170K	13905.00
18.0	73.0	123.0	-4180K	14935.00
20.0	79.0	131.0	-4200K	19055.00

Solid Carbide Screw Drills

Primarily designed for removing broken taps or bolts without damaging the component surface. By drilling the core of a tap it is possible to remove the remaining pieces with a scribe. Screw drills are also suitable for drilling other hard materials including: hardened steels, glass, stellite etc. Select screw drill as per tap diameter. Steady manual feed component and spindle stability are vital. Drills should be running between 1500 and 3500 revs/min. A steady and continuous manual feed should be applied. No cutting fluid required.



Type	Size	Weight each	Order Code KEN-154	Price/1 TB
SD2	2mm for M3*	10g	-1020K	979.00
SD3	3mm for M4 - M5*	10g	-1030K	979.00
SD4	4mm for M6 - M7*	20g	-1040K	1133.00
SD5	5mm for M8 - M10*	30g	-1050K	1648.00
SD6	6mm for M10 - M12*	30g	-1060K	1494.00

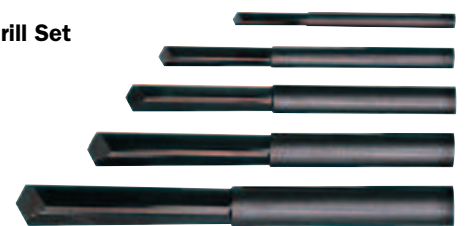
*or inch equivalent

Solid Carbide Screw Drill Set

Contents:
SD2, SD3, SD4, SD5
and SD6.

**5
PIECES**

Number of Pieces	Weight per set	Order Code KEN-154	Price/1 TB
5	80g	-1100K	5665.00

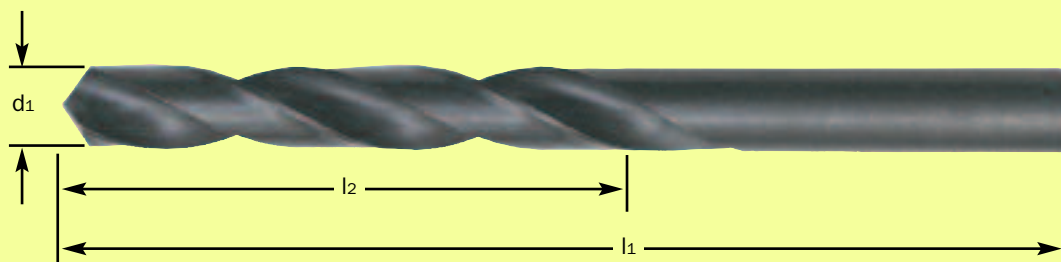


PRODUCTS ARE ONLY AVAILABLE VIA YOUR DISTRIBUTOR

GROUP 025 STANDARD LENGTH DRILLS

Dimensions - Jobber Drills to BS 328/DIN 338

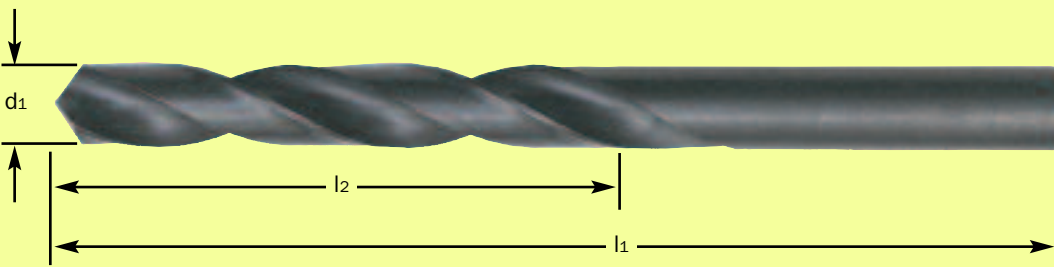
The majority of jobber drills featured in this catalogue comply with the above standards in terms of overall and working dimensions. The tables of sizes below apply to all of these products. In order to save space in the catalogue we are not repeating these dimensions after this page. Any drills which are made to different standards/dimensions will have them listed accordingly in the tables for those products.



d1 mm	No/ h8	Inch Letter	Inch Dec.	l2 mm	l1 mm	d1 mm	No/ h8	Inch Letter	Inch Dec.	l2 mm	l1 mm	d1 mm	No/ h8	Inch Letter	Inch Dec.	l2 mm	l1 mm	d1 mm	No/ h8	Inch Letter	Inch Dec.	l2 mm	l1 mm
0.20			0.0078	2.5	19.0	0.94	63		0.0370	11.0	32.0	2.15			0.0846	27.0	53.0	3.66	27		0.1440	39.0	70.0
0.25			0.0098	3.0	19.0	0.95			0.0374	11.0	32.0	2.18	44		0.0858	27.0	53.0	3.70			0.1456	39.0	70.0
0.30			0.0118	3.0	19.0	0.97	62		0.0381	12.0	34.0	2.20			0.0866	27.0	53.0	3.73	26		0.1468	39.0	70.0
0.32			0.0125	4.0	19.0	0.98			0.0385	12.0	34.0	2.25			0.0885	27.0	53.0	3.75			0.1476	39.0	70.0
0.34	80		0.0133	4.0	19.0	0.99	61		0.0389	12.0	34.0	2.26	43		0.0889	27.0	53.0	3.80			0.1496	43.0	75.0
0.35			0.0137	4.0	19.0	1.00			0.0393	12.0	34.0	2.30			0.0905	27.0	53.0	3.80	25		0.1496	43.0	75.0
0.37	79		0.0145	4.0	19.0	1.02	60		0.0401	12.0	34.0	2.35			0.0925	27.0	53.0	3.86	24		0.1519	43.0	75.0
0.38			0.0149	4.0	19.0	1.04	59		0.0409	12.0	34.0	2.38	3/32		0.0937	30.0	57.0	3.90			0.1535	43.0	75.0
0.40	1/64		0.0157	5.0	20.0	1.05			0.0413	12.0	34.0	2.38	42		0.0937	30.0	57.0	3.91	23		0.1539	43.0	75.0
0.40			0.0157	5.0	20.0	1.07	58		0.0421	14.0	36.0	2.40			0.0944	30.0	57.0	3.97	5/32		0.1562	43.0	75.0
0.41	78		0.0161	5.0	20.0	1.09	57		0.0429	14.0	36.0	2.44	41		0.0960	30.0	57.0	3.99	22		0.157	43.0	75.0
0.42			0.0165	5.0	20.0	1.10			0.0433	14.0	36.0	2.45			0.0964	30.0	57.0	4.00			0.1574	43.0	75.0
0.45			0.0177	5.0	20.0	1.15			0.0452	14.0	36.0	2.49	40		0.098	30.0	57.0	4.04	21		0.1590	43.0	75.0
0.46	77		0.0181	5.0	20.0	1.18	56		0.0464	14.0	36.0	2.50			0.0984	30.0	57.0	4.09	20		0.1610	43.0	75.0
0.48			0.0188	5.0	20.0	1.19	3/64		0.0468	16.0	38.0	2.53	39		0.0996	30.0	57.0	4.10			0.1614	43.0	75.0
0.50			0.0196	6.0	22.0	1.20			0.0472	16.0	38.0	2.55			0.1003	30.0	57.0	4.20			0.1653	43.0	75.0
0.51	76		0.0200	6.0	22.0	1.25			0.0492	16.0	38.0	2.58	38		0.1015	30.0	57.0	4.22	19		0.1661	43.0	75.0
0.52			0.0204	6.0	22.0	1.30			0.0511	16.0	38.0	2.60			0.1023	30.0	57.0	4.25			0.1673	43.0	75.0
0.53	75		0.0208	6.0	22.0	1.32	55		0.0519	16.0	38.0	2.64	37		0.1039	30.0	57.0	4.30			0.1692	47.0	80.0
0.55			0.0216	7.0	24.0	1.35			0.0531	18.0	40.0	2.65			0.1043	30.0	57.0	4.31	18		0.1696	47.0	80.0
0.57	74		0.0224	7.0	24.0	1.40			0.0551	18.0	40.0	2.70			0.1062	33.0	61.0	4.37	11/64		0.172	47.0	80.0
0.58			0.0228	7.0	24.0	1.40	54		0.0551	18.0	40.0	2.71	36		0.1066	33.0	61.0	4.39	17		0.1728	47.0	80.0
0.60			0.0236	7.0	24.0	1.45			0.0570	18.0	40.0	2.75			0.1082	33.0	61.0	4.40			0.1732	47.0	80.0
0.61	73		0.0240	8.0	26.0	1.50			0.0590	18.0	40.0	2.78	7/64		0.1094	33.0	61.0	4.50			0.1771	47.0	80.0
0.62			0.0244	8.0	26.0	1.51	53		0.0594	20.0	43.0	2.79	35		0.1098	33.0	61.0	4.50	16		0.1771	47.0	80.0
0.64	72		0.0251	8.0	26.0	1.55			0.0610	20.0	43.0	2.80			0.1102	33.0	61.0	4.57	15		0.1799	47.0	80.0
0.65			0.0255	8.0	26.0	1.59	1/16		0.0625	20.0	43.0	2.82	34		0.1110	33.0	61.0	4.60			0.1811	47.0	80.0
0.66	71		0.0259	8.0	26.0	1.60			0.0629	20.0	43.0	2.85			0.1122	33.0	61.0	4.62	14		0.1818	47.0	80.0
0.68			0.0267	9.0	28.0	1.61	52		0.0633	20.0	43.0	2.87	33		0.1129	33.0	61.0	4.70			0.1850	47.0	80.0
0.70			0.0275	9.0	28.0	1.65			0.0649	20.0	43.0	2.90			0.1141	33.0	61.0	4.70	13		0.1850	47.0	80.0
0.71	70		0.0279	9.0	28.0	1.70			0.0669	20.0	43.0	2.95			0.1161	33.0	61.0	4.75			0.1870	47.0	80.0
0.72			0.0283	9.0	28.0	1.70	51		0.0669	22.0	46.0	2.95	32		0.1161	33.0	61.0	4.76	3/16		0.1874	52.0	86.0
0.74	69		0.0291	9.0	28.0	1.75			0.0688	22.0	46.0	3.00			0.1181	33.0	61.0	4.80			0.1889	52.0	86.0
0.75			0.0295	9.0	28.0	1.78	50		0.0700	22.0	46.0	3.05	31		0.1200	36.0	65.0	4.80	12		0.1889	52.0	86.0
0.78			0.0307	10.0	30.0	1.80			0.0708	22.0	46.0	3.10			0.1220	36.0	65.0	4.85	11		0.1909	52.0	86.0
0.79	1/32		0.0311	10.0	30.0	1.85			0.0728	22.0	46.0	3.15			0.1240	36.0	65.0	4.90			0.1929	52.0	86.0
0.79	68		0.0311	10.0	30.0	1.85	49		0.0728	22.0	46.0	3.18	1/8		0.1251	36.0	65.0	4.92	10		0.1937	52.0	86.0
0.80			0.0314	10.0	30.0	1.90			0.0748	22.0	46.0	3.20			0.1259	36.0	65.0	4.98	9		0.1960	52.0	86.0
0.81	67		0.0318	10.0	30.0	1.93	48		0.0759	24.0	49.0	3.25			0.1279	36.0	65.0	5.00			0.1968	52.0	86.0
0.82			0.0322	10.0	30.0	1.95			0.0767	24.0	49.0	3.26	30		0.1283	36.0	65.0	5.06	8		0.1992	52.0	86.0
0.84	66		0.0330	10.0	30.0	1.98	5/64		0.0779	24.0	49.0	3.30			0.1299	36.0	65.0	5.10			0.2007	52.0	86.0
0.85			0.0334	10.0	30.0	1.99	47		0.0783	24.0	49.0	3.40			0.1338	39.0	70.0	5.11	7		0.2011	52.0	86.0
0.88			0.0346	11.0	32.0	2.00			0.0787	24.0	49.0	3.45	29		0.1358	39.0	70.0	5.16	13/64		0.2031	52.0	86.0
0.89	65		0.0350	11.0	32.0	2.05			0.0807	24.0	49.0	3.50			0.1377	39.0	70.0	5.18	6		0.2039	52.0	86.0
0.90			0.0354	11.0	32.0	2.06	46		0.0811	24.0	49.0	3.57	9/64		0.1405	39.0	70.0	5.20			0.2047	52.0	86.0
0.91	64		0.0358	11.0	32.0	2.08	45		0.0818	24.0	49.0	3.57	28		0.1405	39.0	70.0	5.22	5		0.2055	52.0	86.0
0.92			0.0362	11.0	32.0	2.10			0.0826	24.0	49.0	3.60			0.1417	39.0	70.0	5.25			0.2066	52.0	86.0

Dimensions - Jobber Drills to BS 328 / DIN 338

The majority of jobber drills featured in this catalogue comply with the above standards in terms of overall and working dimensions. The tables of sizes below apply to all of these products. In order to save space in the catalogue we are not repeating these dimensions after this page. Any drills which are made to different standards/dimensions will have them listed accordingly in the tables for those products.



d_1 mm	No/ Letter	Inch Dec.	l_2 mm	l_1 mm	d_1 mm	No/ Letter	Inch Dec.	l_2 mm	l_1 mm	d_1 mm	No/ Letter	Inch Dec.	l_2 mm	l_1 mm	d_1 mm	No/ Letter	Inch Dec.	l_2 mm	l_1 mm
5.30		0.2086	52.0	86.0	7.49	M	0.2948	69.0	109.0	9.92	$\frac{25}{64}$	0.3905	87.0	133.0	13.00		0.5118	101.0	151.0
5.31	4	0.2090	57.0	93.0	7.50		0.2952	69.0	109.0	10.00		0.3937	87.0	133.0	13.10	$\frac{33}{64}$	0.5157	101.0	151.0
5.40		0.2125	57.0	93.0	7.54	$\frac{19}{64}$	0.2968	75.0	117.0	10.08	X	0.3968	87.0	133.0	13.10		0.5157	101.0	151.0
5.41	3	0.2129	57.0	93.0	7.60		0.2992	75.0	117.0	10.10		0.3976	87.0	133.0	13.20		0.5196	101.0	151.0
5.50		0.2165	57.0	93.0	7.67	N	0.3019	75.0	117.0	10.20		0.4015	87.0	133.0	13.25		0.5216	108.0	160.0
5.56	$\frac{7}{32}$	0.2188	57.0	93.0	7.70		0.3031	75.0	117.0	10.25		0.4035	87.0	133.0	13.30		0.5236	108.0	160.0
5.60		0.2204	57.0	93.0	7.75		0.3051	75.0	117.0	10.26	Y	0.4039	87.0	133.0	13.40		0.5275	108.0	160.0
5.61	2	0.2208	57.0	93.0	7.80		0.3070	75.0	117.0	10.30		0.4055	87.0	133.0	13.49	$\frac{17}{32}$	0.5311	108.0	160.0
5.70		0.2244	57.0	93.0	7.90		0.3110	75.0	117.0	10.32	$\frac{13}{32}$	0.4062	87.0	133.0	13.50		0.5314	108.0	160.0
5.75		0.2263	57.0	93.0	7.94	$\frac{5}{16}$	0.3125	75.0	117.0	10.40		0.4094	87.0	133.0	13.60		0.5354	108.0	160.0
5.79	1	0.2279	57.0	93.0	8.00		0.3149	75.0	117.0	10.49	Z	0.4129	87.0	133.0	13.70		0.5393	108.0	160.0
5.80		0.2283	57.0	93.0	8.03	O	0.3161	75.0	117.0	10.50		0.4133	87.0	133.0	13.75		0.5413	108.0	160.0
5.90		0.2322	57.0	93.0	8.10		0.3188	75.0	117.0	10.60		0.4173	87.0	133.0	13.80		0.5433	108.0	160.0
5.94	A	0.2338	57.0	93.0	8.20		0.3228	75.0	117.0	10.70		0.4212	94.0	142.0	13.89	$\frac{35}{64}$	0.5468	108.0	160.0
5.95	$\frac{15}{64}$	0.2342	57.0	93.0	8.20	P	0.3228	75.0	117.0	10.72	$\frac{27}{64}$	0.4220	94.0	142.0	13.90		0.5472	108.0	160.0
6.00		0.2362	57.0	93.0	8.25		0.3248	75.0	117.0	10.75		0.4232	94.0	142.0	14.00		0.5511	108.0	160.0
6.00	B	0.2374	63.0	101.0	8.30		0.3267	75.0	117.0	10.80		0.4251	94.0	142.0	14.25		0.5610	114.0	169.0
6.10		0.2401	63.0	101.0	8.33	$\frac{21}{64}$	0.3279	75.0	117.0	10.90		0.4291	94.0	142.0	14.29	$\frac{9}{16}$	0.5625	114.0	169.0
6.15	C	0.2421	63.0	101.0	8.40		0.3307	75.0	117.0	11.00		0.4330	94.0	142.0	14.50		0.5708	114.0	169.0
6.20		0.2440	63.0	101.0	8.43	Q	0.3318	75.0	117.0	11.10		0.4370	94.0	142.0	14.68	$\frac{37}{64}$	0.5779	114.0	169.0
6.25		0.2460	63.0	101.0	8.50		0.3346	75.0	117.0	11.11	$\frac{7}{16}$	0.4374	94.0	142.0	14.75		0.5807	114.0	169.0
6.25	D	0.2460	63.0	101.0	8.60		0.3385	81.0	125.0	11.20		0.4409	94.0	142.0	15.00		0.5905	114.0	169.0
6.30		0.2480	63.0	101.0	8.61	R	0.3389	81.0	125.0	11.25		0.4429	94.0	142.0	15.08	$\frac{19}{32}$	0.5937	120.0	178.0
6.35	$\frac{1}{4}$	0.2500	63.0	101.0	8.70		0.3425	81.0	125.0	11.30		0.4448	94.0	142.0	15.25		0.6003	120.0	178.0
6.35	E	0.2500	63.0	101.0	8.73	$\frac{11}{32}$	0.3437	81.0	125.0	11.40		0.4488	94.0	142.0	15.48	$\frac{39}{64}$	0.6094	120.0	178.0
6.40		0.2519	63.0	101.0	8.75		0.3444	81.0	125.0	11.50		0.4527	94.0	142.0	15.50		0.6102	120.0	178.0
6.50		0.2559	63.0	101.0	8.80		0.3464	81.0	125.0	11.51	$\frac{29}{64}$	0.4531	94.0	142.0	15.75		0.6200	120.0	178.0
6.53	F	0.2570	63.0	101.0	8.84	S	0.3480	81.0	125.0	11.60		0.4566	94.0	142.0	15.88	$\frac{5}{8}$	0.6251	120.0	178.0
6.60		0.2598	63.0	101.0	8.90		0.3503	81.0	125.0	11.70		0.4606	94.0	142.0	16.00		0.6299	120.0	178.0
6.63	G	0.2610	63.0	101.0	9.00		0.3543	81.0	125.0	11.75		0.4625	94.0	142.0	16.27	$\frac{41}{64}$	0.6405	125.0	184.0
6.70		0.2637	63.0	101.0	9.09	T	0.3578	81.0	125.0	11.80		0.4645	94.0	142.0	16.50		0.6496	125.0	184.0
6.75	$\frac{17}{64}$	0.2657	69.0	109.0	9.10		0.3582	81.0	125.0	11.90		0.4685	101.0	151.0	16.67	$\frac{21}{32}$	0.6562	125.0	184.0
6.75		0.2657	69.0	109.0	9.13	$\frac{23}{64}$	0.3594	81.0	125.0	11.91	$\frac{15}{32}$	0.4688	101.0	151.0	17.00		0.6692	125.0	184.0
6.76	H	0.2661	69.0	109.0	9.20		0.3622	81.0	125.0	12.00		0.4724	101.0	151.0	17.07	$\frac{43}{64}$	0.6720	130.0	191.0
6.80		0.2677	69.0	109.0	9.25		0.3641	81.0	125.0	12.10		0.4763	101.0	151.0	17.46	$\frac{11}{16}$	0.6874	130.0	191.0
6.90		0.2716	69.0	109.0	9.30		0.3661	81.0	125.0	12.20		0.4803	101.0	151.0	17.50		0.6889	130.0	191.0
6.91	I	0.2720	69.0	109.0	9.35	U	0.3681	81.0	125.0	12.25		0.4822	101.0	151.0	18.00		0.7086	130.0	191.0
7.00		0.2755	69.0	109.0	9.40		0.3700	81.0	125.0	12.30		0.4842	101.0	151.0	18.5		0.7283	135.0	198.0
7.04	J	0.2771	69.0	109.0	9.50		0.3740	81.0	125.0	12.30	$\frac{31}{64}$	0.4842	101.0	151.0	19.00		0.7480	135.0	198.0
7.10		0.2795	69.0	109.0	9.53	$\frac{3}{8}$	0.3751	87.0	133.0	12.40		0.4881	101.0	151.0	19.50		0.7677	140.0	205.0
7.14	$\frac{9}{32}$	0.2811	69.0	109.0	9.58	V	0.3771	87.0	133.0	12.50		0.4921	101.0	151.0	20.00		0.7874	140.0	205.0
7.14	K	0.2811	69.0	109.0	9.60		0.3779	87.0	133.0	12.60		0.4960	101.0	151.0					
7.20		0.2834	69.0	109.0	9.70		0.3818	87.0	133.0	12.70		0.5000	101.0	151.0					
7.25		0.2854	69.0	109.0	9.75		0.3838	87.0	133.0	12.70	$\frac{1}{2}$	0.5000	101.0	151.0					
7.30		0.2874	69.0	109.0	9.80		0.3858	87.0	133.0	12.75		0.5019	101.0	151.0					
7.37	L	0.2901	69.0	109.0	9.80	W	0.3858	87.0	133.0	12.80		0.5039	101.0	151.0					
7.40		0.2913	69.0	109.0	9.90		0.3897	87.0	133.0	12.90		0.5078	101.0	151.0					

GROUP 025 STANDARD LENGTH DRILLS

SENATOR
QUALITY TOOLING

HSS Roll Forged Jobber Drills

Senator jobber drills are roll forged from HSS, ensuring uninterrupted grain structure. This provides exceptional strength and durability. Tips are ground for effective cutting. Suitable for drilling wood, plastic, carbon and plain steels where the cutting efficiency of ground flute is not required.

Manufactured to **BS 328 : Part 1 : 1986 & DIN 338 Type N**.

For HSS Ground Flute Jobber Drills
for industrial applications, please see page 50



HSS



For Dimensions

See Pages 46-47

Metric			Metric			Metric			Inch		
PRICED PER 10			PRICED PER 10			PRICED PER 10			PRICED PER 10		
Dia. (mm)	Order Code SEN-025	Price/10 TB	Dia. (mm)	Order Code SEN-025	Price/10 TB	Dia. (mm)	Order Code SEN-025	Price/10 TB	Dia. (inch)	Order Code SEN-025	Price/10 TB
1.00	-0040N	45.00	4.00	-0093W	130.00	7.50	-0135R	450.00	1/16"	-0001D	85.00
1.20	-0044S	51.00	4.20	-0095Y	140.00	8.00	-0141Y	500.00	3/32"	-0001F	95.00
1.50	-0050N	55.00	4.50	-0099C	175.00	8.50	-0147E	550.00	1/8"	-0001H	99.00
1.80	-0056F	100.00	4.80	-0103G	175.00	9.00	-0153L	650.00	9/64"	-0001J	105.00
2.00	-0060K	100.00	4.90	-0104H	175.00	9.50	-0159S	799.00	5/32"	-0001K	115.00
2.50	-0070W	100.00	5.00	-0105J	175.00	10.00	-0165N	825.00	3/16"	-0001M	225.00
2.80	-0076C	100.00	5.10	-0106K	210.00	10.20	-0167B	985.00	7/32"	-0001P	255.00
2.90	-0078E	100.00	5.20	-0107L	295.00	10.50	-0171F	1200.00	1/4"	-0001R	399.00
3.00	-0080G	100.00	5.50	-0111Q	250.00	11.00	-0177M	1300.00	5/16"	-0001W	599.00
3.10	-0081H	100.00	6.00	-0117X	250.00	11.50	-0183T	1500.00	3/8"	-0002A	799.00
3.20	-0083K	100.00	6.20	-0119N	255.00	12.00	-0189A	1750.00	7/16"	-0002E	825.00
3.30	-0085M	120.00	6.50	-0123D	285.00	12.50	-0195G	1950.00	1/2"	-0002J	1500.00
3.50	-0087P	120.00	6.80	-0127H	350.00	13.00	-0201N	2100.00			
3.80	-0091T	130.00	7.00	-0129K	375.00	14.00	-0213B	2200.00			

HSS Roll Forged Jobber Drill Sets

Roll forged from HSS, ensuring uninterrupted grain structure. This provides exceptional strength and durability. Tips are ground for effective cutting. Suitable for drilling wood, plastic, carbon and plain steels where the cutting efficiency of ground flute is not required.

Manufactured to **BS 328 : Part 1 : 1986 & DIN 338 Type N**.

x 0.5mm
1.0 ~ 10.0

**19
PIECES**

19 Piece Set
Contents (mm):

1.0	3.0	5.0	7.0	9.0
1.5	3.5	5.5	7.5	9.5
2.0	4.0	6.0	8.0	10.0
2.5	4.5	6.5	8.5	

Weight each	Order Code SEN-025	Price/1 TB
0.65kg	-9250K	725.00

x 0.5mm
1.0 ~ 13.0

**25
PIECES**

25 Piece Set
Contents (mm):

1.0	3.5	6.0	8.5	11.0
1.5	4.0	6.5	9.0	11.5
2.0	4.5	7.0	9.5	12.0
2.5	5.0	7.5	10.0	12.5
3.0	5.5	8.0	10.5	13.0

Weight each	Order Code SEN-025	Price/1 TB
1.60kg	-9150K	1500.00

x 0.1mm
6.0 ~ 10.0

41 Piece Set
Contents (mm):

**41
PIECES**

6.0	6.9	7.8	8.7	9.6
6.1	7.0	7.9	8.8	9.7
6.2	7.1	8.0	8.9	9.8
6.3	7.2	8.1	9.0	9.9
6.4	7.3	8.2	9.1	10.0
6.5	7.4	8.3	9.2	
6.6	7.5	8.4	9.3	
6.7	7.6	8.5	9.4	
6.8	7.7	8.6	9.5	

Weight each	Order Code SEN-025	Price/1 TB
2.10kg	-9110K	2450.00

HSS Roll Forged Jobber Drill Sets

Roll forged from HSS, ensuring uninterrupted grain structure. This provides exceptional strength and durability. Tips are ground for effective cutting. Suitable for drilling wood, plastic, carbon and plain steels where the cutting efficiency of ground flute is not required. Manufactured to **BS 328 : Part 1 : 1986 & DIN 338 Type N**.

x 0.5mm
1.0 ~ 10.0

170 Piece Set
Contents (mm):

1.0 x 10	4.5 x 10	8.0 x 10
1.5 x 10	5.0 x 10	8.5 x 5
2.0 x 10	5.5 x 10	9.0 x 5
2.5 x 10	6.0 x 10	9.5 x 5
3.0 x 10	6.5 x 10	10.0 x 5
3.5 x 10	7.0 x 10	
4.0 x 10	7.5 x 10	

Weight each	Order Code SEN-025	Price/1 TB
3.8kg	-9300K	3299.00



170

x 0.1mm
1.0 ~ 6.0

51 Piece Set
Contents (mm):

**51
PIECES**

1.0	1.9	2.8	3.7	4.6	5.5
1.1	2.0	2.9	3.8	4.7	5.6
1.2	2.1	3.0	3.9	4.8	5.7
1.3	2.2	3.1	4.0	4.9	5.8
1.4	2.3	3.2	4.1	5.0	5.9
1.5	2.4	3.3	4.2	5.1	6.0
1.6	2.5	3.4	4.3	5.2	
1.7	2.6	3.5	4.4	5.3	
1.8	2.7	3.6	4.5	5.4	

Weight each	Order Code SEN-025	Price/1 TB
0.60kg	-9060K	825.00

STANDARD LENGTH DRILLS

Multi-Purpose 'Dial-A-Drill' Set

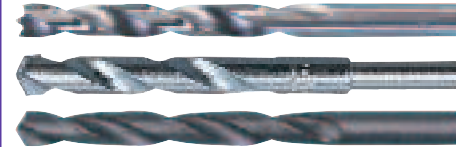
18 Piece Drill Set

Designed to satisfy countless tasks around the home and workshop - a drill bit for every job!. Supplied in a robust 'dial a drill' case for easy selection and compact storage.

Contents:

- 6 x wood drills with 'lip and spur' self centering/self starting points. Suitable for all types of timber. Sizes 3, 4, 5, 6, 8, 10mm.
- 6 x masonry drills with TCT drill point. Suitable for tiles, ceramics and all light building materials. Sizes 3, 4, 5, 6, 8, 10mm.
- 6 x HSS drills (Jobber) with roll forged flutes. Suitable for use in portable powertools in all types of materials. Sizes 3, 4, 5, 6, 8, 10mm.

**18
PIECES**



Weight each	Order Code	Price/1 TB
452g	SEN-025	299.00

SENATOR HSS Tap & Drill Sets

Industrial quality. Ground flute, blue finish. Supplied in indexing metal case. Manufactured to **BS328 : Part 1 : 1986, DIN 338N & ANSI B94 -11M.**

28 Piece Set Contents (mm):

Taps: (taper, second and bottom): M3, M4, M5, M6, M8, M10, M12.

Drills: 2.5, 3.3, 4.2, 5.0, 6.8, 8.5, 10.2mm.

x 0.7mm
2.5 ~ 10.2

**28
PIECES**



NEW

DIN 338 For Dimensions
BS 328 See Pages 46 - 47

Weight each	Order Code	Price/1 TB
	SEN-025	3500.00

SHERWOOD HSS Reduced Shank Drills (Blacksmiths)

1/2" parallel shank. General purpose drills for light duty work, for drilling steels, cast iron, nickel brass and graphite. Reduced parallel shank 1/2". Point angle: 118°, helix angle: normal, web thickness: standard, tolerance of diameter: h8, tolerance of shank: 0.01/0.08. Manufactured to works standard.

Black Oxidised Finish

Metric

Diameter (mm)	Flute Length	Overall Length	Order Code	Price/1 TB
13.00	78.0	150.0	-1805A	948.00
13.50	78.0	150.0	-1805B	1494.00
14.00	78.0	150.0	-1806C	876.00
14.50	78.0	150.0	-1806D	1648.00
15.00	78.0	150.0	-1807E	979.00
15.50	78.0	150.0	-1807F	1823.00
16.00	78.0	150.0	-1808G	989.00
16.50	78.0	150.0	-1808H	1936.00
17.00	78.0	150.0	-1809J	1185.00
17.50	78.0	150.0	-1809K	2215.00
18.00	78.0	150.0	-1810L	1308.00
18.50	78.0	150.0	-1810M	2421.00
19.00	78.0	150.0	-1811N	1545.00
19.50	85.0	150.0	-1811P	2663.00
20.00	85.0	150.0	-1812Q	1571.00
21.00	85.0	150.0	-1813R	2009.00
22.00	85.0	150.0	-1814S	2039.00
23.00	85.0	150.0	-1815T	2421.00
24.00	85.0	150.0	-1816V	2601.00
25.00	85.0	150.0	-1817W	2833.00
26.00	85.0	150.0	-1818X	3966.00
27.00	85.0	150.0	-1819Y	5150.00
28.00	85.0	150.0	-1820Z	5408.00
29.00	85.0	150.0	-1821A	5665.00
30.00	85.0	150.0	-1822B	6695.00
31.00	85.0	150.0	-1823C	6953.00
32.00	85.0	150.0	-1824D	7468.00



Inch

Diameter (Inch)	Flute Length	Overall Length	Order Code	Price/1 TB
9/16"	3 1/16"	6"	-1764E	1298.00
19/32"	3 1/16"	6"	-1766G	1298.00
5/8"	3 1/16"	6"	-1768J	1300.00
41/64"	3 1/16"	6"	-1769K	1100.00
21/32"	3 1/16"	6"	-1770L	1514.00
11/16"	3 1/16"	6"	-1772N	1600.00
3/4"	3 1/16"	6"	-1776S	1850.00
13/16"	3 3/8"	6"	-1780X	2999.00
7/8"	3 3/8"	6"	-1784B	3120.00
15/16"	3 3/8"	6"	-1788F	3500.00
1"	3 3/8"	6"	-1792K	4500.00
1 1/16"	3 3/8"	6"	-1794M	8500.00
1 1/8"	3 3/8"	6"	-1796P	8750.00
1 1/4"	3 3/8"	6"	-1800T	9750.00

HSS Reduced Shank Drill Set (Blacksmiths)

5 Piece Set Contents:

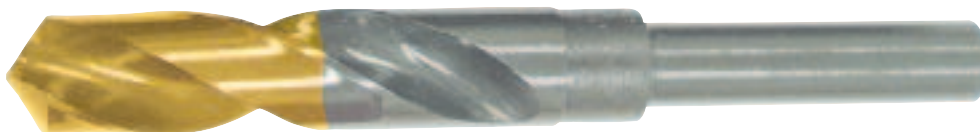
14, 16, 18, 20 and 22mm.

**5
PIECES**



Number of Pieces	Order Code	Price/1 TB
5	SEN-025	3999.00

Bright Finish - TiN Tipped



HSS TiN-tip

NEW

Diameter (mm)	Flute Length	Overall Length	Order Code	Price/1 TB
14.00	78.0	150.0	-1736C	1250.00
15.00	78.0	150.0	-1737E	1350.00
16.00	78.0	150.0	-1738G	1400.00

Diameter (mm)	Flute Length	Overall Length	Order Code	Price/1 TB
17.00	78.0	150.0	-1739J	1500.00
18.00	78.0	150.0	-1740L	1750.00
19.00	78.0	150.0	-1741P	1850.00

Diameter (mm)	Flute Length	Overall Length	Order Code	Price/1 TB
20.00	85.0	150.0	-1742Q	1950.00
22.00	85.0	150.0	-1744S	2850.00
25.00	85.0	150.0	-1747W	3500.00

PRODUCTS ARE ONLY AVAILABLE VIA YOUR DISTRIBUTOR

GROUP 025 STANDARD LENGTH DRILLS

SHERWOOD QUALITY CUTTING TOOLS HSS Jobber Drills Metric - Bright Finish

General purpose drills for steels, cast steel, grey cast iron, malleable cast iron, nickel brass, aluminium alloy and graphite. Point angle: 118°, helix angle: normal, web thickness: standard, relief angle: 10°-20°, tolerance of diameter: h8, tolerance of shank: f11. Manufactured to **BS 328/DIN338RN**.

Bright Finish

Drills with a bright finish are supplied in the as-ground condition and such tools are used generally in the machining of non-ferrous materials.



METRIC HSS

DIN 338 For Dimensions
BS 328 See Pages 46 - 47

Series J100 - Metric			PRICED PER 10			PRICED PER 10			PRICED PER 10			Series J100 - Inch			PRICED PER 10		
Dia. (mm)	Order Code SHR-025	Price/10 TB	Dia. (mm)	Order Code SHR-025	Price/10 TB	Dia. (mm)	Order Code SHR-025	Price/10 TB	Dia. (inch)	Order Code SHR-025	Price/10 TB	Dia. (inch)	Order Code SHR-025	Price/10 TB	Dia. (inch)	Order Code SHR-025	Price/10 TB
1.00	-0231B	546.00	5.80	-0235H	896.00	11.00	-0239T	4100.00	1/64"	-0243A	1123.00	1/64"	-0243A	1123.00	1/64"	-0243A	1123.00
1.10	-0231D	618.00	5.90	-0235K	917.00	11.20	-0239W	5000.00	1/32"	-0243B	680.00	1/32"	-0243B	680.00	1/32"	-0243B	680.00
1.20	-0231F	577.00	6.00	-0235M	799.00	11.30	-0239X	5500.00	3/64"	-0243C	608.00	3/64"	-0243C	608.00	3/64"	-0243C	608.00
1.30	-0231H	546.00	6.10	-0235P	999.00	11.40	-0239Y	5500.00	1/16"	-0243D	402.00	1/16"	-0243D	402.00	1/16"	-0243D	402.00
1.40	-0231K	855.00	6.20	-0235R	1010.00	11.50	-0239Z	5000.00	5/64"	-0243E	474.00	5/64"	-0243E	474.00	5/64"	-0243E	474.00
1.50	-0231M	422.00	6.30	-0235T	1020.00	11.60	-0240A	5650.00	3/32"	-0243F	361.00	3/32"	-0243F	361.00	3/32"	-0243F	361.00
1.60	-0231P	412.00	6.40	-0235W	1051.00	11.70	-0240B	5750.00	7/64"	-0243G	443.00	7/64"	-0243G	443.00	7/64"	-0243G	443.00
1.70	-0231R	474.00	6.50	-0235Y	1200.00	11.80	-0240C	5750.00	1/8"	-0243H	371.00	1/8"	-0243H	371.00	1/8"	-0243H	371.00
1.80	-0231T	453.00	6.60	-0236A	1300.00	11.90	-0240D	5850.00	9/64"	-0243J	505.00	9/64"	-0243J	505.00	9/64"	-0243J	505.00
1.90	-0231W	453.00	6.70	-0236C	1400.00	12.00	-0240E	5250.00	5/32"	-0243K	464.00	5/32"	-0243K	464.00	5/32"	-0243K	464.00
1.95	-0231Y	711.00	6.80	-0236E	1500.00	12.10	-0240F	7500.00	11/64"	-0243L	608.00	11/64"	-0243L	608.00	11/64"	-0243L	608.00
2.00	-0232A	381.00	6.90	-0236G	1400.00	12.20	-0240G	7500.00	3/16"	-0243M	536.00	3/16"	-0243M	536.00	3/16"	-0243M	536.00
2.10	-0232C	443.00	7.00	-0236J	2100.00	12.30	-0240H	7450.00	13/64"	-0243N	752.00	13/64"	-0243N	752.00	13/64"	-0243N	752.00
2.20	-0232E	433.00	7.10	-0236L	2200.00	12.40	-0240J	7500.00	7/32"	-0243P	700.00	7/32"	-0243P	700.00	7/32"	-0243P	700.00
2.30	-0232G	433.00	7.20	-0236N	2225.00	12.50	-0240K	5500.00	15/64"	-0243Q	979.00	15/64"	-0243Q	979.00	15/64"	-0243Q	979.00
2.40	-0232J	433.00	7.30	-0236Q	2300.00	12.60	-0240L	7750.00	1/4"	-0243R	865.00	1/4"	-0243R	865.00	1/4"	-0243R	865.00
2.50	-0232L	371.00	7.40	-0236S	2400.00	12.70	-0240M	6750.00	17/64"	-0243S	1133.00	17/64"	-0243S	1133.00	17/64"	-0243S	1133.00
2.60	-0232N	443.00	7.50	-0236V	2200.00	12.80	-0240N	7750.00	9/32"	-0243T	1473.00	9/32"	-0243T	1473.00	9/32"	-0243T	1473.00
2.70	-0232Q	443.00	7.60	-0236X	2400.00	12.90	-0240P	7650.00	19/64"	-0243V	1473.00	19/64"	-0243V	1473.00	19/64"	-0243V	1473.00
2.80	-0232S	443.00	7.70	-0236Z	2500.00	13.00	-0240R	5850.00	5/16"	-0243W	1473.00	5/16"	-0243W	1473.00	5/16"	-0243W	1473.00
2.90	-0232V	391.00	7.80	-0237B	2600.00				21/64"	-0243X	1803.00	21/64"	-0243X	1803.00	21/64"	-0243X	1803.00
3.00	-0232X	381.00	7.90	-0237D	2650.00				11/32"	-0243Y	1803.00	11/32"	-0243Y	1803.00	11/32"	-0243Y	1803.00
3.10	-0232Z	464.00	8.00	-0237F	2500.00				23/64"	-0243Z	2184.00	23/64"	-0243Z	2184.00	23/64"	-0243Z	2184.00
3.20	-0233B	474.00	8.10	-0237H	2700.00				3/8"	-0244A	2184.00	3/8"	-0244A	2184.00	3/8"	-0244A	2184.00
3.30	-0233D	412.00	8.20	-0237K	2600.00				25/64"	-0244B	2616.00	25/64"	-0244B	2616.00	25/64"	-0244B	2616.00
3.40	-0233F	505.00	8.30	-0237M	2750.00				13/32"	-0244C	2616.00	13/32"	-0244C	2616.00	13/32"	-0244C	2616.00
3.50	-0233H	422.00	8.40	-0237P	2800.00				27/64"	-0244D	3193.00	27/64"	-0244D	3193.00	27/64"	-0244D	3193.00
3.60	-0233K	515.00	8.50	-0237R	2600.00				7/16"	-0244E	3193.00	7/16"	-0244E	3193.00	7/16"	-0244E	3193.00
3.70	-0233M	443.00	8.60	-0237T	2950.00				29/64"	-0244F	3193.00	29/64"	-0244F	3193.00	29/64"	-0244F	3193.00
3.80	-0233P	536.00	8.70	-0237W	2950.00				15/32"	-0244G	3296.00	15/32"	-0244G	3296.00	15/32"	-0244G	3296.00
3.90	-0233R	546.00	8.80	-0237Y	3100.00				31/64"	-0244H	3348.00	31/64"	-0244H	3348.00	31/64"	-0244H	3348.00
4.00	-0233T	453.00	8.90	-0237Z	3200.00				1/2"	-0244J	3708.00	1/2"	-0244J	3708.00	1/2"	-0244J	3708.00
4.10	-0233W	474.00	9.00	-0238A	2700.00												
4.20	-0233Y	484.00	9.10	-0238B	2800.00												
4.30	-0234A	597.00	9.20	-0238C	2900.00												
4.40	-0234C	618.00	9.30	-0238G	2950.00												
4.50	-0234E	525.00	9.40	-0238H	2999.00												
4.60	-0234G	649.00	9.50	-0238L	2950.00												
4.70	-0234J	670.00	9.60	-0238N	3300.00												
4.80	-0234L	680.00	9.70	-0238P	3300.00												
4.90	-0234N	700.00	9.80	-0238Q	3300.00												
5.00	-0234Q	599.00	9.90	-0238R	3400.00												
5.10	-0234S	742.00	10.00	-0238X	3100.00												
5.20	-0234V	762.00	10.10	-0238Y	3650.00												
5.30	-0234X	783.00	10.20	-0239B	3650.00												
5.40	-0234Z	803.00	10.50	-0239H	3300.00												
5.50	-0235B	824.00	10.70	-0239L	4500.00												
5.60	-0235D	845.00	10.80	-0239M	4500.00												
5.70	-0235F	865.00	10.90	-0239N	4400.00												

HSS Jobber Drill Set - Bright Finish

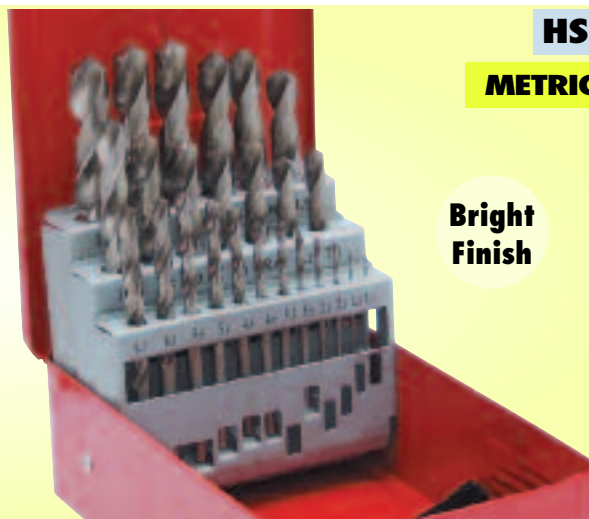
Industrial quality. Ground flute. Supplied in indexing metal cases. Manufactured to **BS328 : Part 1 : 1986, DIN 338N & ANSI B94 - 11M.**

**25
PIECES**

**x 0.5mm
1.0 ~ 13.0**

(mm)	2.5	4.5	6.5	8.5	10.5	12.5
1.0	3.0	5.0	7.0	9.0	11.0	13.0
1.5	3.5	5.5	7.5	9.5	11.5	
2.0	4.0	6.0	8.0	10.0	12.0	

Number of Pieces	Weight each	Order Code SHR-025	Price/1 TB
25		-8520K	3950.00



HSS

METRIC

**Bright
Finish**



HSS Jobber Drills - Metric - Steam Tempered

General purpose drills for steels, cast steel, grey cast iron, malleable cast iron, nickel brass, aluminium alloy and graphite. Point angle: 118°, helix angle: normal, web thickness: standard, relief angle: 10° - 20°, tolerance of diameter: h8, tolerance of shank: f11. Manufactured to **BS 328/DIN338RN**.

Black Finish (W-Finish)

This is the most common surface finish and is the result of a steam tempering operation in which steam is passed over the product during a controlled tempering cycle, producing a black oxide layer. Black tools are generally recommended for ferrous applications where the oxide layer aids chip flow, helps to dissipate heat by retaining some coolant on the tool surface and also helps to prevent the tool from staining.



For Dimensions

See Pages 46 - 47

**METRIC****INCH**

For Bright Finish Jobber Drills see page 50



Series J100 - Metric			PRICED PER 10	Series J100 - Metric			PRICED PER 10	Series J100 - Metric			PRICED PER 10	Series J100 - Inch			PRICED PER 1
Dia. (mm)	Order Code SHR-025	Price/10 TB		Dia. (mm)	Order Code SHR-025	Price/10 TB		Dia. (mm)	Order Code SHR-025	Price/10 TB		Dia. (mm)	Order Code SHR-025	Price/10 TB	
0.25	-0010X	1318.00		3.15	-0082J	742.00		8.60	-0148F	2300.00		15.00	-0217F	876.00	
0.30	-0012A	1318.00		3.20	-0083K	474.00		8.70	-0149G	2400.00		15.25	-0218G	1185.00	
0.35	-0014F	1318.00		3.25	-0084L	762.00		8.75	-0150H	2500.00		15.50	-0219H	1185.00	
0.40	-0016L	1123.00		3.30	-0085M	412.00		8.80	-0151J	2300.00		15.75	-0220J	1185.00	
0.42	-0017N	1123.00		3.40	-0086N	505.00		8.90	-0152K	2200.00		16.00	-0221K	979.00	
0.45	-0018P	1051.00		3.45	-0087D	793.00		9.00	-0153L	2100.00		16.50	-0222L	1339.00	
0.50	-0020R	855.00		3.50	-0087P	422.00		9.10	-0154M	2400.00		17.00	-0223M	1339.00	
0.52	-0021S	1504.00		3.60	-0088Q	515.00		9.20	-0155N	2500.00		17.50	-0224N	1648.00	
0.55	-0022T	979.00		3.65	-0089D	515.00		9.30	-0157Q	2700.00		18.00	-0225P	1648.00	
0.58	-0023V	1442.00		3.70	-0089R	443.00		9.40	-0158R	2750.00		18.50	-0226Q	1854.00	
0.60	-0024W	948.00		3.75	-0090S	536.00		9.50	-0159S	2500.00		19.00	-0227R	1854.00	
0.62	-0025X	1391.00		3.80	-0091T	536.00		9.60	-0160T	2850.00		19.50	-0228S	2266.00	
0.65	-0026Y	906.00		3.90	-0092V	546.00		9.70	-0161V	2875.00		20.00	-0229T	2266.00	
0.68	-0027N	1298.00		4.00	-0093W	453.00		9.80	-0163X	2900.00					
0.70	-0028A	876.00		4.05	-0094L	650.00		9.90	-0164Y	2950.00					
0.72	-0029B	1339.00		4.10	-0094X	474.00		10.00	-0165N	2650.00					
0.75	-0030C	845.00		4.20	-0095Y	484.00		10.10	-0166A	3090.00					
0.78	-0031D	1236.00		4.25	-0096N	927.00		10.20	-0167B	3193.00					
0.80	-0032E	670.00		4.30	-0097A	597.00		10.25	-0168C	4264.00					
0.82	-0033F	1215.00		4.40	-0098B	618.00		10.30	-0169D	3245.00					
0.85	-0034G	773.00		4.50	-0099C	525.00		10.40	-0170E	3368.00					
0.88	-0035H	1133.00		4.60	-0100D	649.00		10.50	-0171F	2850.00					
0.90	-0036J	752.00		4.70	-0101E	670.00		10.60	-0172G	3605.00					
0.92	-0037K	1102.00		4.75	-0102F	680.00		10.70	-0173H	3605.00					
0.95	-0038L	721.00		4.80	-0103G	680.00		10.80	-0175K	3605.00					
0.98	-0039M	1051.00		4.85	-0103X	700.00		10.90	-0176L	3708.00					
1.00	-0040N	546.00		4.90	-0104H	700.00		11.00	-0177M	3100.00					
1.05	-0041P	999.00		5.00	-0105J	597.00		11.10	-0178N	3811.00					
1.10	-0042Q	618.00		5.10	-0106K	762.00		11.20	-0179P	3914.00					
1.15	-0043R	948.00		5.20	-0107L	762.00		11.30	-0181R	4017.00					
1.20	-0044S	577.00		5.25	-0108M	762.00		11.40	-0182S	4120.00					
1.25	-0045T	896.00		5.30	-0109N	783.00		11.50	-0183T	3250.00					
1.30	-0046V	546.00		5.40	-0110P	783.00		11.60	-0184V	4223.00					
1.35	-0047W	855.00		5.50	-0111Q	824.00		11.70	-0185W	4326.00					
1.40	-0048X	525.00		5.60	-0112R	845.00		11.80	-0187Y	4429.00					
1.45	-0049Y	803.00		5.70	-0113S	865.00		11.90	-0188N	4532.00					
1.50	-0050N	422.00		5.75	-0114T	865.00		12.00	-0189A	3750.00					
1.55	-0051A	783.00		5.80	-0115V	917.00		12.10	-0190B	5943.00					
1.60	-0052B	412.00		5.90	-0116W	917.00		12.20	-0191C	5974.00					
1.65	-0053C	762.00		6.00	-0117X	783.00		12.25	-0192D	6438.00					
1.70	-0054D	474.00		6.10	-0118Y	968.00		12.30	-0193E	6283.00					
1.75	-0055E	742.00		6.20	-0119N	989.00		12.40	-0194F	6386.00					
1.80	-0056F	453.00		6.25	-0120A	1597.00		12.50	-0195G	3708.00					
1.85	-0057G	721.00		6.30	-0121B	1020.00		12.60	-0196H	5692.00					
1.90	-0058H	453.00		6.40	-0122C	1051.00		12.70	-0197J	5356.00					
1.95	-0059J	711.00		6.50	-0123D	1500.00		12.80	-0199L	7210.00					
2.00	-0060K	381.00		6.60	-0124E	1545.00		12.90	-0200M	7313.00					
2.05	-0061L	567.00		6.70	-0125F	1545.00		13.00	-0201N	4200.00					
2.10	-0062M	443.00		6.75	-0126G	1813.00									
2.15	-0063N	433.00		6.80	-0127H	1236.00									
2.20	-0064P	433.00		6.90	-0128J	1236.00									
2.25	-0065Q	690.00		7.00	-0129K	1299.00									
2.30	-0066R	433.00		7.10	-0130L	1350.00									
2.35	-0067S	690.00		7.20	-0131M	1375.00									
2.40	-0068T	433.00		7.30	-0133P	1400.00									
2.45	-0069V	690.00		7.40	-0134Q	1450.00									
2.50	-0070W	371.00		7.50	-0135R	1400.00									
2.55	-0071X	700.00		7.60	-0136S	1550.00									
2.60	-0072Y	443.00		7.70	-0137T	1550.00									
2.65	-0073N	700.00		7.80	-0139W	1600.00									
2.70	-0074A	443.00		7.90	-0140X	1700.00									
2.75	-0075B	700.00		8.00	-0141Y	1550.00									
2.80	-0076C	443.00		8.10	-0142N	1750.00									
2.85	-0077D	711.00		8.20	-0143A	1799.00									
2.90	-0078E	391.00		8.25	-0144B	1875.00									
2.95	-0079F	721.00		8.30	-0145C	1875.00									
3.00	-0080G	381.00		8.40	-0146D	1875.00									
3.10	-0081H	464.00		8.50	-0147E	1750.00									

Series J100 - Inch			PRICED PER 10	Series J100 - Inch			PRICED PER 1
Dia. (Inch)	Order Code SHR-025	Price/10 TB		Dia. (Inch)	Order Code SHR-025	Price/10 TB	
1/64"	-0001A	1123.00		13/64"	-0001N	752.00	
1/32"	-0001B	680.00		7/32"	-0001P	700.00	
3/64"	-0001C	608.00		15/64"	-0001Q	979.00	
1/16"	-0001D	402.00		1/4"	-0001R	865.00	
5/64"	-0001E	474.00		17/64"	-0001S	1133.00	
3/32"	-0001F	361.00		9/32"	-0001T	1473.00	
7/64"	-0001G	443.00		19/64"	-0001V	1473.00	
1/8"	-0001H	371.00		5/16"	-0001W	1473.00	
9/64"	-0001J	505.00		21/64"	-0001X	1803.00	
5/32"	-0001K	464.00		11/32"	-0001Y	2009.00	
11/64"	-0001L	608.00		23/64"	-0001Z	2184.00	
3/16"	-0001M	536.00		3/8"	-0002A	2600.00	
13/64"	-0001N	752.00		25/64"	-0002B	2700.00	
7/32"	-0001P	700.00		13/32"	-0002C	2900.00	
15/64"	-0001Q	979.00		27/64"	-0002D	3200.00	
1/4"	-0001R	865.00		7/16"	-0002E	3250.00	
17/64"	-0001S	1133.00		29/64"	-0002F	3300.00	
9/32"	-0001T	1473.00		15/32"	-0002G	3700.00	
19/64"	-0001V	1473.00		31/64"	-0002H	4500.00	
5/16"	-0001W	1473.00		1/2"	-0002J	4750.00	
21/64"	-0001X	1803.00					
11/32"	-0001Y	2009.00					
23/64"	-0001Z	2184.00					
3/8"	-0002A	2600.00					
25/64"	-0002B	2700.00					
13/32"	-0002C	2900.00					
27/64"	-0002D	3200.00					
7/16"	-0002E	3250.00					
29/64"	-0002F	3300.00					
15/32"	-0002G	3700.00					
31/64"	-0002H	4500.00					
1/2"	-0002J	4750.00					

Series J100 - Inch			PRICED PER 1
Dia. (Inch)	Order Code SHR-025	Price/1 TB	
13/64"	-0002K	1082.00	
17/32"	-0002L	1082.00	
35/64"	-0002M	1133.00	
9/16"	-0002N	1236.00	
37/64"	-0002P	1751.00	
19/32"	-0002Q	1751.00	
39/64"	-0002R	1854.00	
5/8"	-0002S	2215.00	
41/64"	-0002T	2318.00	
21/32"	-0002V	2323.00	
43/64"	-0002W	2369.00	
11/16"	-0002X	3090.00	
23/32"	-0002Z	3090.00	

PRODUCTS ARE ONLY AVAILABLE VIA YOUR DISTRIBUTOR

GROUP 025 DRILL SETS



HSS Jobber Drill Sets

Industrial quality. Ground flute, blue finish. Supplied in indexing metal cases.

Manufactured to **BS328 : Part 1**
DIN 338N & ANSI B94 - 11M.

**25
PIECES**

DIN 338

For Dimensions

BS 328

See Pages 46 - 47

**BEST
SELLER**



**x 0.5mm
1.0 ~ 13.0**

(mm)	2.5	4.5	6.5	8.5	10.5	12.5
1.0	3.0	5.0	7.0	9.0	11.0	13.0
1.5	3.5	5.5	7.5	9.5	11.5	
2.0	4.0	6.0	8.0	10.0	12.0	

Number of Pieces	Order Code SHR-025	Price/1 TB
25	-8500K	3540.00



**51
PIECES**

**x 0.1mm
1.0 ~ 6.0**

(mm)	1.6	2.3	3.0	3.7	4.4	5.1	5.8
1.0	1.7	2.4	3.1	3.8	4.5	5.2	5.9
1.1	1.8	2.5	3.2	3.9	4.6	5.3	6.0
1.2	1.9	2.6	3.3	4.0	4.7	5.4	
1.3	2.0	2.7	3.4	4.1	4.8	5.5	
1.4	2.1	2.8	3.5	4.2	4.9	5.6	
1.5	2.2	2.9	3.6	4.3	5.0	5.7	

Number of Pieces	Order Code SHR-025	Price/1 TB
51	-8380K	3650.00



**32
PIECES**

**x 0.5mm
1.0 ~ 10.5
+Tapping sizes
1.9 to 10.2**

(mm)	2.5	3.5	5.1	7.5	10.0
1.0	2.6	3.8	5.5	7.9	10.2
1.5	2.9	4.0	6.0	8.0	10.5
1.9	3.0	4.2	6.5	8.5	
2.0	3.2	4.5	6.8	9.0	
2.1	3.3	5.0	7.0	9.5	

Number of Pieces	Order Code SHR-025	Price/1 TB
32	-8470K	2500.00

HSS Ground Flute Select-A-Drill Set

HSS Ground Flute jobber drills in a 'Dial-a-Drill' style case. With a clear top to view drills. Manufactured to **BS328 DIN 338N & ANSI B94 - 11M.**

**BEST
SELLER**



**x 0.5mm
1.0 ~ 10.0**

(mm)	2.0	3.5	5.0	6.5	8.0	9.5
1.0	2.5	4.0	5.5	7.0	8.5	10.0
1.5	3.0	4.5	6.0	7.5	9.0	

Number of Pieces	Order Code SHR-025	Price/1 TB
19	-9000K	2600.00



**19
PIECES**

**x 0.5mm
1.0 ~ 10.0**

(mm)	2.0	3.5	5.0	6.5	8.0	9.5
1.0	2.5	4.0	5.5	7.0	8.5	10.0
1.5	3.0	4.5	6.0	7.5	9.0	

Number of Pieces	Order Code SHR-025	Price/1 TB
19	-8460K	2250.00



**41
PIECES**

**x 0.1mm
6.0 ~ 10.0**

(mm)	6.5	7.1	7.7	8.3	8.9	9.5
6.0	6.6	7.2	7.8	8.4	9.0	9.6
6.1	6.7	7.3	7.9	8.5	9.1	9.7
6.2	6.8	7.4	8.0	8.6	9.2	9.8
6.3	6.9	7.5	8.1	8.7	9.3	9.9
6.4	7.0	7.6	8.2	8.8	9.4	10.0

Number of Pieces	Order Code SHR-025	Price/1 TB
41	-8420K	7500.00

HSS Ground Flute Tap & Drill Set

Industrial quality. Ground flute, blue finish. Supplied in indexing metal cases.

Manufactured to **BS328 : Part 1 : 1986,**
DIN 338N & ANSI B94 -11M.

HSS

**28
PIECES**



METRIC

Taps M3 ~ M12
+Tapping Drills
2.5 ~ 10.2

Tap & Drill

28 Piece Tap & Drill Set

Taps (Taper, Second and Bottom)

M3 M4	M5 M6	M8 M10	M12
----------	----------	-----------	-----

Tapping Drills

(mm) 2.5	3.3 4.2	5.0 6.8	8.5 10.2
--------------------	--------------------	--------------------	---------------------

Number of Pieces	Order Code SHR-025	Price/1 TB
28	-9960K	8250.00

24 Piece Tap & Drill Sets

HSS

Industrial Quality

Ground flute, blue finish.

Supplied in indexing metal cases.

Manufactured to
BS328 : Part 1 : 1986,
DIN 338N & ANSI B94 -11M.

**24
PIECES**

24 Piece Tap & Drill Sets

Taps (Taper, Second and Bottom)



NEW

UNF

Taps No10 ~ 1/2"
+Tapping Drills
4.1 ~ 11.5

Tap & Drill

No10	1/4"	5/16"	3/8"	7/16"	1/2"
------	------	-------	------	-------	------

Tapping Drills

4.1	5.5	6.9	8.5	9.9	11.5
-----	-----	-----	-----	-----	------

BSW

Taps 3/16" ~ 1/2"
+Tapping Drills
3.7 ~ 10.5

Tap & Drill

3/16"	1/4"	5/16"	3/8"	7/16"	1/2"
-------	------	-------	------	-------	------

Tapping Drills

3.7	5.1	6.5	7.9	9.3	10.5
-----	-----	-----	-----	-----	------

UNC

Taps No8 ~ 1/2"
+Tapping Drills
3.5 ~ 10.28

Tap & Drill

No8	No10	1/4"	5/16"	3/8"	1/2"
-----	------	------	-------	------	------

Tapping Drills

3.5	3.9	5.1	6.6	8.0	10.8
-----	-----	-----	-----	-----	------

No of Pieces	Type	Order Code SHR-025	Price/1 TB
24	UNC (No.8 - 1/2")	-9970K	8500.00
	UNF (No.10 - 1/2")	-9980K	8500.00
	BSW (3/16" - 1/2")	-9990K	8500.00



HSS Ground Flute Jobber Drill Sets

Industrial quality. Ground flute, blue finish. Supplied in indexing metal cases. Manufactured to **BS328 : Part 1 : 1986, DIN 338N & ANSI B94 - 11M.**

DRILL SETS **GROUP 025**



For Dimensions



See Pages 46 - 47



HSS

**7
PIECES**

NEW



X 1/32"
1/16" ~ 1/4"

1/16" 3/32"	1/8" 5/32"	3/16" 7/32"	1/4"
Number of Pieces	Order Code	Price/1 TB	
7	-8890K	699.00	

**29
PIECES**



X 1/64"
1/16" ~ 1/2"

1/16" 5/64" 3/32" 7/64" 1/8" 9/64"	5/32" 11/64" 3/16" 13/64" 7/32" 15/64"	1/4" 17/64" 9/32" 19/64" 5/16" 21/64"	11/32" 23/64" 3/8" 25/64" 13/32" 27/64"	7/16" 29/64" 15/32" 31/64" 1/2"
Number of Pieces	Order Code	Price/1 TB		
29	-8800K	4750.00		

**13
PIECES**



X 1/64"
1/16" ~ 1/4"

1/16" 5/64" 3/32"	7/64" 1/8" 9/64"	5/32" 11/64" 3/16"	13/64" 7/32" 15/64"	1/4"
Number of Pieces	Order Code	Price/1 TB		
13	-8680K	999.00		

**15
PIECES**



X 1/32"
1/16" ~ 1/2"

1/16" 3/32" 1/8"	5/32" 3/16" 7/32"	1/4" 9/32" 5/16"	11/32" 3/8" 13/32"	7/16" 15/32" 1/2"
Number of Pieces	Order Code	Price/1 TB		
15	-8840K	2555.00		

**21
PIECES**



X 1/64"
1/16" ~ 3/8"

1/16" 5/64" 3/32" 7/64"	1/8" 9/64" 5/32" 11/64"	3/16" 13/64" 7/32" 15/64"	1/4" 17/64" 9/32" 19/64"	5/16" 21/64" 11/32" 23/64"	3/8"
Number of Pieces	Order Code	Price/1 TB			
21	-8720K	2200.00			

Assorted Drill Set

100 Piece
Assorted inch and metric sizes up to 1/2" - 13mm. Straight shank. Supplied in a plastic case. Set contents may vary.



**100
PIECES**

Number of Pieces	Order Code	Price/1 TB
100	PRO-901	-0190A 1869.00

**60
PIECES**



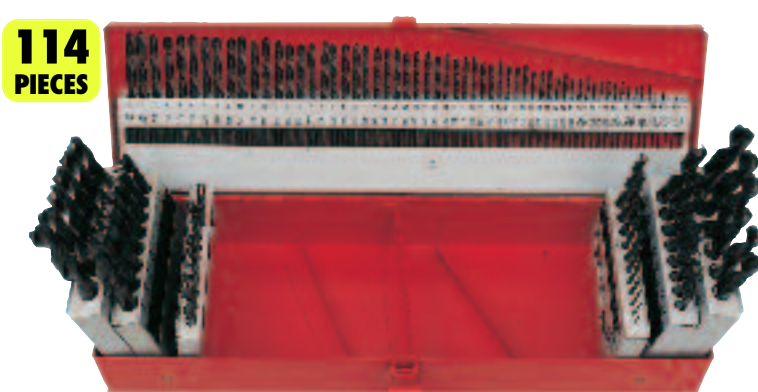
GAUGE

No.1 to 60

Inclusive

Number of Pieces	Order Code	Price/1 TB
60	-8880K	5750.00

**114
PIECES**



x 0.5mm
1.0 ~ 13.0

X 1/64"
1/16" ~ 1/2"

GAUGE

No.1 to 60

Inclusive

1/16" 5/64" 3/32" 7/64" 1/8" 9/64"	5/32" 11/64" 3/16" 13/64" 7/32" 15/64"	1/4" 17/64" 9/32" 19/64" 5/16" 21/64"	11/32" 23/64" 3/8" 25/64" 13/32" 27/64"	7/16" 29/64" 15/32" 31/64" 1/2"
---	---	--	--	---

(mm)	2.5	4.5	6.5	8.5	10.5	12.5
1.0	3.0	5.0	7.0	9.0	11.0	13.0
1.5	3.5	5.5	7.5	9.5	11.5	
2.0	4.0	6.0	8.0	10.0	12.0	
Number of Pieces	Order Code	Price/1 TB				
114	-8920K	11500.00				

PRODUCTS ARE ONLY AVAILABLE VIA YOUR DISTRIBUTOR

SWISS+TECH *HSS Straight Shank
TiN Tipped Jobber Drills*

Bright body with TiN coating on working part. For drilling in steel, cast steel alloyed and non-alloyed, grey cast iron, graphite and malleable cast iron. Point angle: 118°, helix angle: normal, web thickness: standard, relief angle: normal, tolerance of diameter: h8, tolerance of shank: f11. Manufactured to **BS 328, DIN 338**.

HSS TiN-tip**DIN 338****For Dimensions****BS 328****See Pages 46 - 47****EXTENDED
RANGE****DIN 1412A 118°****Series 1004 - Metric**

Dia. (mm)	Order Code SWT-125	Price/1 TB	Dia. (mm)	Order Code SWT-125	Price/1 TB
1.00	-5010A	195.00	5.30	-5053A	200.00
1.10	-5011A	195.00	5.40	-5054A	200.00
1.20	-5012A	179.00	5.50	-5055A	200.00
1.30	-5013A	179.00	5.60	-5056A	200.00
1.40	-5014A	179.00	5.70	-5057A	200.00
1.50	-5015A	179.00	5.80	-5058A	200.00
1.60	-5016A	179.00	5.90	-5059A	200.00
1.70	-5017A	179.00	6.00	-5060A	200.00
1.80	-5018A	179.00	6.10	-5061A	200.00
1.90	-5019A	179.00	6.20	-5062A	200.00
2.00	-5020A	173.00	6.30	-5063A	200.00
2.10	-5021A	173.00	6.40	-5064A	200.00
2.20	-5022A	173.00	6.50	-5065A	319.00
2.30	-5023A	173.00	6.60	-5066A	319.00
2.40	-5024A	173.00	6.70	-5067A	319.00
2.50	-5025A	173.00	6.80	-5068A	319.00
2.60	-5026A	173.00	6.90	-5069A	319.00
2.70	-5027A	173.00	7.00	-5070A	332.00
2.80	-5028A	173.00	7.10	-5071A	332.00
2.90	-5029A	173.00	7.20	-5072A	332.00
3.00	-5030A	179.00	7.50	-5075A	332.00
3.10	-5031A	179.00	7.80	-5078A	332.00
3.20	-5032A	179.00	8.00	-5080A	366.00
3.30	-5033A	179.00	8.10	-5081A	379.00
3.40	-5034A	179.00	8.20	-5082A	379.00
3.50	-5035A	179.00	8.30	-5083A	379.00
3.60	-5036A	179.00	8.40	-5084A	379.00
3.70	-5037A	179.00	8.50	-5085A	379.00
3.80	-5038A	179.00	8.60	-5086A	379.00
3.90	-5039A	179.00	8.70	-5087A	379.00
4.00	-5040A	185.00	8.80	-5088A	379.00
4.10	-5041A	185.00	9.00	-5090A	394.00
4.20	-5042A	185.00	9.10	-5091A	394.00
4.30	-5043A	185.00	9.20	-5092A	394.00
4.40	-5044A	185.00	9.50	-5095A	469.00
4.50	-5045A	191.00	9.60	-5096A	469.00
4.60	-5046A	191.00	9.80	-5098A	494.00
4.70	-5047A	191.00	10.00	-5100A	494.00
4.80	-5048A	191.00	10.20	-5102A	494.00
4.90	-5049A	191.00	10.30	-5103A	525.00
5.00	-5050A	200.00	10.40	-5104A	525.00
5.10	-5051A	200.00	10.50	-5105A	525.00
5.20	-5052A	200.00	10.80	-5108A	525.00

Inch Sizes

Dia. (inch)	Order Code SWT-125	Price/1 TB
1/16"	-5002A	148.00
3/32"	-5002L	179.00
1/8"	-5003A	179.00
9/64"	-5003L	210.00
5/32"	-5004A	184.00
3/16"	-5004L	195.00
7/32"	-5005A	210.00
1/4"	-5005L	316.00
5/16"	-5006L	357.00
3/8"	-5007A	474.00
7/16"	-5007L	644.00
1/2"	-5008A	668.00

HSS TiN Tipped Jobber Drill Sets**19 & 25 Piece Metric Sets****x 0.5mm**
1.0 ~ 10.0**19
PIECES****x 0.5mm**
1.0 ~ 13.0**25
PIECES**Number
of PiecesOrder Code
SWT-125Price/1
TB19
25-9010A
-9020A3657.00
4687.00**HSS TiN Coated Jobber Drills**

General purpose drill, to drill steels with a tensile strength up to 1,000N/mm², cast steel, grey cast iron, malleable cast iron, nickel brass and graphite.

TiN coating provides longer tool life. Point angle: 118°, helix angle: normal, web thickness: normal, relief angle: normal, tolerance of diameter: h8, tolerance of shank: f11. Manufactured to **DIN 338 RN, DIN 338**.

HSS TiN**DIN 338****For Dimensions****BS 328****See Pages 46 - 47****DIN 1412A 118°****Series 1001 - Metric**

Dia. (mm)	Order Code SWT-125	Price/1 TB	Dia. (mm)	Order Code SWT-125	Price/1 TB	Dia. (mm)	Order Code SWT-125	Price/1 TB	Dia. (mm)	Order Code SWT-125	Price/1 TB
1.00	-0010A	195.00	3.30	-0033A	179.00	6.20	-0062A	258.00	9.50	-0095A	603.00
1.20	-0012A	195.00	3.50	-0035A	179.00	6.50	-0065A	319.00	10.00	-0100A	618.00
1.50	-0015A	179.00	4.00	-0040A	184.00	6.80	-0068A	319.00	10.20	-0102A	644.00
1.60	-0016A	179.00	4.20	-0042A	191.00	7.00	-0070A	319.00	10.50	-0105A	670.00
2.00	-0020A	173.00	4.50	-0045A	191.00	7.50	-0075A	319.00	11.00	-0110A	695.00
2.50	-0025A	173.00	5.00	-0050A	200.00	7.80	-0078A	361.00	11.50	-0115A	706.00
3.00	-0030A	179.00	5.50	-0055A	200.00	8.00	-0080A	464.00	12.00	-0120A	747.00
3.10	-0031A	179.00	6.00	-0060A	216.00	8.50	-0085A	489.00	12.50	-0125A	824.00
3.20	-0032A	179.00	6.10	-0061A	258.00	9.00	-0090A	567.00	13.00	-0130A	731.00

SWISS+TECH**HSS-Co Straight Shank Heavy Duty Drills**

The addition of up to 8% cobalt allows higher speeds to be used without reducing the life of the tool, increasing productivity. 28° helix and 135° point.
Manufactured to DIN 338 RN.

DIN
338

For Dimensions

BS
328

See Pages 46 - 47

HSS-Co**DIN 1412C 135°****Series 1020 - Metric**

Dia. (mm)	Order Code SWT-125	Price/1 TB	Dia. (mm)	Order Code SWT-125	Price/1 TB	Dia. (mm)	Order Code SWT-125	Price/1 TB	Dia. (mm)	Order Code SWT-125	Price/1 TB
1.00	-0410A	258.00	3.10	-0431A	309.00	5.80	-0458A	464.00	9.50	-0495A	618.00
1.10	-0411A	258.00	3.20	-0432A	309.00	5.90	-0459A	464.00	9.60	-0496A	1650.00
1.20	-0412A	258.00	3.30	-0433A	309.00	6.00	-0460A	464.00	9.70	-0497A	690.00
1.40	-0414A	258.00	3.40	-0434A	309.00	6.20	-0462A	700.00	10.00	-0500A	690.00
1.50	-0415A	258.00	3.50	-0435A	412.00	6.40	-0464A	464.00	10.20	-0502A	773.00
1.60	-0416A	258.00	3.70	-0437A	412.00	6.50	-0465A	464.00	10.40	-0504A	773.00
1.70	-0417A	258.00	3.80	-0438A	412.00	6.70	-0467A	464.00	10.50	-0505A	773.00
1.80	-0418A	258.00	4.00	-0440A	412.00	6.80	-0468A	464.00	11.00	-0510A	865.00
1.90	-0419A	258.00	4.10	-0441A	412.00	7.00	-0470A	464.00	10.80	-0508A	2150.00
2.00	-0420A	258.00	4.20	-0442A	412.00	7.10	-0471A	950.00	11.50	-0515A	927.00
2.10	-0421A	258.00	4.30	-0443A	412.00	7.20	-0472A	464.00	11.80	-0518A	1009.00
2.20	-0422A	258.00	4.50	-0445A	412.00	7.50	-0475A	464.00	12.00	-0520A	1009.00
2.40	-0424A	258.00	4.80	-0448A	464.00	8.00	-0480A	489.00	12.50	-0525A	1092.00
2.50	-0425A	258.00	4.90	-0449A	464.00	8.10	-0481A	1100.00	13.00	-0530A	1133.00
2.60	-0426A	309.00	5.00	-0450A	464.00	8.20	-0482A	500.00	13.50	-0535A	4650.00
2.70	-0427A	309.00	5.10	-0451A	464.00	8.30	-0483A	541.00	14.00	-0540A	4700.00
2.80	-0428A	309.00	5.20	-0452A	464.00	8.50	-0485A	551.00			
2.90	-0429A	309.00	5.30	-0453A	464.00	9.00	-0490A	567.00			
3.00	-0430A	309.00	5.50	-0455A	464.00	9.10	-0491A	1550.00			

HSS-Co Straight Shank Heavy Duty TiN Tipped Drills

Heavy-duty drill used to drill steels with a tensile strength up to 1,400 N/mm². Stainless steels, heat and acid resistant steels and phosphor bronze. TiN coating provides longer tool life.
Point angle: 135°. Helix angle: normal. Web thickness: strengthened. Relief angle: normal.
Tolerance of diameter: h8, Supply unit. All diameters - 1 pce.
Manufactured to DIN 338 RN.

HSS-Co TiN-tip**DIN**
338
BS
328

For Dimensions

See Pages 46 - 47

NEW**DIN 1412A 135°****Series 1024 - Metric**

Dia. (mm)	Order Code SWT-125	Price/1 TB	Dia. (mm)	Order Code SWT-125	Price/1 TB	Dia. (mm)	Order Code SWT-125	Price/1 TB	Dia. (mm)	Order Code SWT-125	Price/1 TB
1.00	-1710A	315.00	3.50	-1735A	500.00	6.50	-1765A	565.00	10.50	-1805A	950.00
1.50	-1715A	315.00	4.00	-1740A	500.00	6.80	-1768A	565.00	11.00	-1810A	1050.00
1.60	-1716A	315.00	4.20	-1742A	500.00	7.00	-1770A	565.00	12.00	-1820A	1225.00
2.00	-1720A	315.00	4.50	-1745A	500.00	7.50	-1775A	565.00	12.50	-1825A	1325.00
2.50	-1725A	315.00	4.90	-1749A	565.00	8.00	-1780A	595.00	13.00	-1830A	1375.00
3.00	-1730A	375.00	5.00	-1750A	565.00	8.50	-1785A	595.00			
3.20	-1732A	375.00	5.50	-1755A	565.00	9.00	-1790A	685.00			
3.30	-1733A	375.00	6.00	-1760A	565.00	10.00	-1800A	850.00			

HSS-Co Straight Shank Heavy Duty TiN Coated Drills

Heavy-duty drill used to drill steels with a tensile strength up to 1,400 N/mm². Stainless steels, heat and acid resistant steels and phosphor bronze. TiN coating provides longer tool life.
Point angle: 135°. Helix angle: normal. Web thickness: strengthened. Relief angle: normal.
Tolerance of diameter: h8, Supply unit. All diameters - 1 pce.
Manufactured to DIN 338 RN.

HSS-Co TiN**DIN**
338
BS
328

For Dimensions

See Pages 46 - 47

**DIN 1412C 135°****Series 1033 - Metric**

Dia. (mm)	Order Code SWT-125	Price/1 TB	Dia. (mm)	Order Code SWT-125	Price/1 TB	Dia. (mm)	Order Code SWT-125	Price/1 TB	Dia. (mm)	Order Code SWT-125	Price/1 TB
1.00	-0610A	309.00	2.70	-0627A	309.00	4.90	-0649A	515.00	7.50	-0675A	845.00
1.10	-0611A	309.00	2.80	-0628A	309.00	5.00	-0650A	515.00	8.00	-0680A	855.00
1.20	-0612A	309.00	3.00	-0630A	309.00	5.10	-0651A	515.00	8.20	-0682A	711.00
1.40	-0614A	309.00	3.20	-0632A	309.00	5.20	-0652A	515.00	8.50	-0685A	917.00
1.50	-0615A	309.00	3.30	-0633A	309.00	5.50	-0655A	515.00	8.70	-0687A	773.00
1.60	-0616A	309.00	3.40	-0634A	309.00	5.60	-0656A	515.00	9.00	-0690A	721.00
1.70	-0617A	309.00	3.50	-0635A	309.00	5.80	-0658A	567.00	9.50	-0695A	814.00
1.80	-0618A	309.00	3.60	-0636A	361.00	6.00	-0660A	567.00	9.70	-0697A	824.00
2.00	-0620A	309.00	3.90	-0639A	412.00	6.10	-0661A	567.00	10.00	-0700A	824.00
2.10	-0621A	309.00	4.00	-0640A	412.00	6.20	-0662A	567.00	10.20	-0702A	968.00
2.20	-0622A	309.00	4.10	-0641A	412.00	6.30	-0663A	567.00	10.50	-0705A	927.00
2.30	-0623A	309.00	4.20	-0642A	464.00	6.50	-0665A	597.00	11.00	-0710A	1288.00
2.40	-0624A	309.00	4.30	-0643A	515.00	6.80	-0668A	597.00	12.00	-0720A	1411.00
2.50	-0625A	309.00	4.50	-0645A	515.00	6.90	-0669A	597.00	12.50	-0725A	1092.00
2.60	-0626A	309.00	4.80	-0648A	515.00	7.00	-0670A	587.00	13.00	-0730A	1689.00

PRODUCTS ARE ONLY AVAILABLE VIA YOUR DISTRIBUTOR

SWISS+TECH**HSS-Co Straight Shank
High Helix Drills**

High helix drills, to drill long-chipping materials like aluminium, aluminium alloys, copper and plastics. Point angle: 130°. Helix angle: high. Web thickness: normal. Relief angle: normal. Tolerance of diameter: h8. Tolerance of shank: f11. Manufactured to **DIN 338 RN**.

**For Dimensions****See Pages 46 - 47****HSS-Co****DIN 1412C 130°****Series 1012 - Metric**

Dia. (mm)	Order Code SWT-125	Price/1 TB	Dia. (mm)	Order Code SWT-125	Price/1 TB	Dia. (mm)	Order Code SWT-125	Price/1 TB	Dia. (mm)	Order Code SWT-125	Price/1 TB
2.50	-0225A	391.00	4.20	-0242A	556.00	7.00	-0270A	999.00	10.00	-0300A	1720.00
3.00	-0230A	340.00	4.50	-0245A	587.00	7.50	-0275A	1092.00	10.50	-0305A	1988.00
3.30	-0233A	371.00	5.00	-0250A	649.00	8.50	-0285A	1308.00	12.00	-0320A	2410.00
3.50	-0235A	433.00	6.00	-0260A	639.00	9.00	-0290A	1349.00	13.00	-0330A	2925.00
4.00	-0240A	464.00	6.50	-0265A	927.00	9.50	-0295A	1555.00			

HSS-Co Straight Shank TiN Tipped High Helix Drills

Heavy duty drill for stainless steel, heat and acid-resistant steels, short chipping and high strength steels. High heat resistance allows drilling in titanium and titanium alloys. TiN coating provides longer tool life. Point angle: 130°. Helix angle: high. Web thickness: strengthened. Relief angle: normal. Tolerance of diameter: h8. Tolerance of shank: f11. Supply unit. All diameters - 1 pce. Manufactured to **DIN 338RN**.

HSS-Co TiN-tip**For Dimensions****See Pages 46 - 47****NEW****DIN 1412C 130°****Series 1014 - Metric**

Dia. (mm)	Order Code SWT-125	Price/1 TB	Dia. (mm)	Order Code SWT-125	Price/1 TB	Dia. (mm)	Order Code SWT-125	Price/1 TB	Dia. (mm)	Order Code SWT-125	Price/1 TB
2.00	-1420A	475.00	4.20	-1442A	675.00	7.00	-1570A	1215.00	11.00	-1610A	2450.00
2.50	-1425A	475.00	4.50	-1450A	715.00	8.00	-1580A	1350.00	12.00	-1612A	2925.00
3.00	-1430A	475.00	5.00	-1500A	785.00	8.50	-1585A	1450.00	13.00	-1613A	3550.00
3.30	-1433A	475.00	5.20	-1520A	900.00	9.00	-1590A	1650.00			
3.50	-1435A	525.00	5.50	-1550A	900.00	10.00	-1600A	1999.00			
4.00	-1440A	565.00	6.00	-1560A	925.00	10.50	-1605A	2400.00			

HSS-Co Straight Shank TiN Coated High Helix Drills

Heavy duty drill for stainless steel, heat and acid-resistant steels, short chipping and high strength steels. High heat resistance allows drilling in titanium and titanium alloys. TiN coating provides longer tool life. Point angle: 130°. Helix angle: high. Web thickness: strengthened. Relief angle: normal. Tolerance of diameter: h8. Tolerance of shank: f11. Supply unit. All diameters - 1 pce. Manufactured to **DIN 338RN**.

HSS-Co TiN**For Dimensions****See Pages 46 - 47****DIN 1412C 130°****Series 1060 -Metric**

Dia. (mm)	Order Code SWT-125	Price/1 TB	Dia. (mm)	Order Code SWT-125	Price/1 TB	Dia. (mm)	Order Code SWT-125	Price/1 TB	Dia. (mm)	Order Code SWT-125	Price/1 TB
2.00	-1220A	397.00	4.20	-1242A	623.00	6.00	-1260A	912.00	9.00	-1290A	1813.00
2.50	-1225A	510.00	4.50	-1245A	680.00	6.50	-1265A	1050.00	10.00	-1300A	2096.00
3.00	-1230A	397.00	4.80	-1248A	695.00	7.00	-1270A	1076.00	10.50	-1305A	3116.00
3.30	-1233A	567.00	5.00	-1250A	680.00	7.50	-1275A	1190.00	11.00	-1310A	3456.00
3.50	-1235A	567.00	5.20	-1252A	748.00	8.00	-1280A	1360.00	12.00	-1320A	4764.00
4.00	-1240A	623.00	5.50	-1255A	850.00	8.50	-1285A	1416.00	13.00	-1330A	4764.00

**HSS-Co Straight Shank Drills**

Heavy duty drill made of cobalt material with excellent heat resistance. To drill steels with tensile strength up to 1,400 N/mm², very hard bronze, stainless steels as well as heat and acid resistant steels.

Point angle: 135°. Helix angle: normal. Web thickness: strengthened. Relief angle: normal.

Tolerance of diameter: h8. Tolerance of shank: f11. Supply unit. All diameters - 1 pce.

Manufacturing Standard: **BS 328, DIN 338B.**

EXTENDED RANGE**HSS-Co****DIN 338****For Dimensions****BS 328****See Pages 46 - 47****Metric**

Dia. (mm)	Order Code KEN-026	Price/1 TB
1.00	-0200K	205.00
1.10	-0220K	309.00
1.20	-0240K	309.00
1.30	-0260K	258.00
1.40	-0280K	258.00
1.50	-0300K	180.00
1.60	-0320K	273.00
1.70	-0340K	263.00
1.80	-0360K	221.00
1.90	-0380K	206.00
2.00	-0400K	155.00
2.10	-0420K	242.00
2.20	-0440K	242.00
2.30	-0460K	242.00
2.40	-0480K	242.00
2.50	-0500K	149.00
2.60	-0520K	237.00
2.70	-0540K	237.00
2.80	-0560K	247.00
3.00	-0600K	160.00
3.10	-0620K	258.00
3.20	-0640K	258.00
3.30	-0660K	170.00
3.40	-0680K	304.00
3.50	-0700K	180.00
3.60	-0720K	283.00
3.70	-0740K	283.00
3.80	-0760K	283.00
3.90	-0780K	304.00
4.00	-0800K	185.00
4.10	-0820K	324.00
4.20	-0840K	304.00
4.30	-0860K	324.00
4.40	-0880K	335.00
4.50	-0900K	221.00
4.60	-0920K	361.00
4.70	-0940K	361.00

Dia. (mm)	Order Code KEN-026	Price/1 TB
4.80	-0960K	361.00
4.90	-0980K	366.00
5.00	-1000K	258.00
5.10	-1020K	361.00
5.20	-1040K	386.00
5.30	-1060K	386.00
5.40	-1080K	386.00
5.50	-1100K	294.00
5.60	-1120K	464.00
5.70	-1140K	469.00
5.80	-1160K	479.00
5.90	-1180K	479.00
6.00	-1200K	309.00
6.10	-1220K	525.00
6.20	-1240K	530.00
6.30	-1260K	582.00
6.40	-1280K	592.00
6.50	-1300K	386.00
6.60	-1320K	618.00
6.70	-1340K	633.00
6.80	-1360K	592.00
7.00	-1400K	412.00
7.20	-1440K	721.00
7.50	-1500K	515.00
7.70	-1540K	773.00
8.00	-1600K	567.00
8.50	-1700K	618.00
9.00	-1800K	721.00
9.50	-1900K	773.00
10.00	-2000K	876.00
10.20	-2040K	1391.00
10.50	-2100K	1391.00
11.00	-2200K	1082.00
11.50	-2300K	1751.00
12.00	-2400K	1339.00
12.50	-2500K	2112.00
13.00	-2600K	2112.00

HSS-Co 8% Straight Shank Heavy Duty Drill Set**19 Piece Metric****19 PIECES****x 0.5mm
1.0 ~ 10.0**

Number of Pieces	Order Code KEN-026	Price/1 TB
19	-8460K	4999.00

Inch

Dia. (inch)	Order Code KEN-026	Price/1 TB
1/16"	-3040K	195.00
3/32"	-3060K	185.00
7/64"	-3070K	185.00
1/8"	-3080K	190.00
9/64"	-3090K	225.00
5/32"	-3100K	230.00
11/64"	-3110K	325.00
3/16"	-3120K	340.00

Dia. (inch)	Order Code KEN-026	Price/1 TB
7/32"	-3140K	375.00
1/4"	-3160K	399.00
17/64"	-3170K	599.00
9/32"	-3180K	650.00
5/16"	-3200K	800.00
11/32"	-3220K	950.00
3/8"	-3240K	824.00
1/2"	-3320K	1999.00

**HSS Drill Blanks**

Jobber length blank hardened and ground all over. Accurately ground without back taper.

Diameter tolerance: h8. Manufactured to **DIN 338.**

EXTENDED RANGE**HSS****Series J400 - Metric**

Dia. (mm)	Order Code SHR-024	Price/10 TB
1.00	-2398F	230.00
1.10	-2400H	230.00
1.20	-2402K	230.00
1.30	-2404M	230.00
1.40	-2406P	230.00
1.50	-2408R	230.00
1.60	-2410T	230.00
1.70	-2412W	230.00
1.80	-2414Y	230.00
1.90	-2416A	230.00
2.00	-2418C	240.00
2.10	-2420E	240.00
2.20	-2422G	240.00
2.30	-2424J	240.00
2.40	-2426L	240.00
2.50	-2428N	240.00
2.60	-2430Q	240.00
2.70	-2432S	240.00
2.80	-2434V	240.00
2.90	-2436X	240.00
3.00	-2438N	299.00
3.10	-2439A	299.00
3.20	-2440B	299.00
3.30	-2442D	299.00
3.40	-2443E	299.00

Dia. (mm)	Order Code SHR-024	Price/10 TB
3.50	-2444F	299.00
3.60	-2445G	299.00
3.70	-2446H	299.00
3.80	-2448K	299.00
3.90	-2449L	299.00
4.00	-2450M	333.00
4.10	-2451N	333.00
4.20	-2452P	333.00
4.30	-2454R	333.00
4.40	-2455S	333.00
4.50	-2456T	333.00
4.60	-2457V	399.00
4.70	-2458W	399.00
4.80	-2460Y	399.00
4.90	-2461N	399.00
5.00	-2462A	450.00
5.10	-2463B	460.00
5.20	-2464C	480.00
5.30	-2466E	490.00
5.40	-2467F	500.00
5.50	-2468G	520.00
5.60	-2469H	550.00
5.70	-2470J	550.00
5.80	-2472L	550.00
5.90	-2473M	650.00

Dia. (mm)	Order Code SHR-024	Price/10 TB
6.00	-2474N	650.00
6.10	-2475P	650.00
6.20	-2476Q	650.00
6.30	-2478S	650.00
6.40	-2479T	650.00
6.50	-2480V	650.00
6.60	-2481W	850.00
6.70	-2482X	850.00
6.80	-2484N	850.00
6.90	-2485A	850.00
7.00	-2486B	899.00
7.10	-2487C	899.00
7.20	-2488D	899.00
7.30	-2490F	899.00
7.40	-2491G	999.00
7.50	-2492H	999.00
7.60	-2493J	999.00
7.70	-2494K	999.00
7.80	-2496M	999.00
7.90	-2497N	999.00
8.00	-2498P	1250.00
8.10	-2499Q	1250.00
8.20	-2500R	1250.00
8.30	-2502T	1250.00
8.40	-2503V	1250.00

Dia. (mm)	Order Code SHR-024	Price/10 TB
8.50	-2504W	1250.00
8.60	-2505X	1350.00
8.70	-2506Y	1350.00
8.80	-2508A	1350.00
8.90	-2509B	1350.00
9.00	-2510C	1350.00
9.10	-2511D	1500.00
9.20	-2512E	1500.00
9.30	-2514G	1500.00
9.40	-2515H	1500.00
9.50	-2516J	1500.00
9.60	-2517K	1600.00
9.70	-2518L	1600.00
9.80	-2520N	1700.00
9.90	-2521P	1800.00
10.00	-2522Q	1900.00
10.50	-2523R	1950.00
11.00	-2524S	1975.00
11.50	-2525T	2100.00
12.00	-2526V	2200.00
12.50	-2527W	2300.00
13.00	-2528X	2500.00

PRODUCTS ARE ONLY AVAILABLE VIA YOUR DISTRIBUTOR

GROUP 025 STANDARD LENGTH DRILLS

SHERWOOD Solid Carbide Jobber Drills

General purpose drills for drilling a wide variety of metallic and non-metallic materials. Point angle: 118°. Tolerance of diameter: h7. Tolerance of shank: h6. Supply unit. All diameters - 1 pce. Manufacturing Standard: **BS 328, DIN 338**.

EXTENDED RANGE



CARBIDE



DIN 338 For Dimensions
BS 328 See Pages 46 - 47

Series J102 - Metric

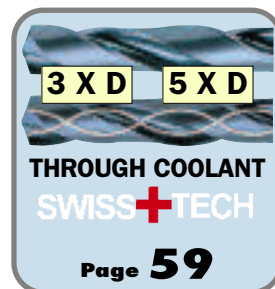
Dia. (mm)	Order Code SHR-158	Price/1 TB
1.00	-5100K	322.00
1.10	-5110K	322.00
1.20	-5120K	322.00
1.30	-5130K	322.00
1.40	-5140K	322.00
1.50	-5150K	322.00
1.60	-5160K	322.00
1.70	-5170K	322.00
1.80	-5180K	322.00
1.90	-5190K	322.00
2.00	-5200K	322.00
2.10	-5210K	386.00
2.20	-5220K	322.00
2.30	-5230K	386.00
2.40	-5240K	406.00
2.50	-5250K	406.00
2.60	-5260K	425.00
2.70	-5270K	425.00
2.80	-5280K	425.00
2.90	-5290K	451.00
3.00	-5300K	483.00
3.10	-5310K	515.00
3.20	-5320K	528.00
3.30	-5330K	547.00
3.40	-5340K	547.00
3.50	-5350K	547.00
3.60	-5360K	560.00
3.70	-5370K	580.00
3.80	-5380K	644.00
3.90	-5390K	657.00
4.00	-5400K	676.00
4.10	-5410K	683.00
4.20	-5420K	695.00
4.30	-5430K	695.00
4.40	-5440K	695.00
4.50	-5450K	715.00
4.60	-5460K	715.00
4.70	-5470K	773.00
4.80	-5480K	786.00
4.90	-5490K	869.00
5.00	-5500K	837.00
5.10	-5510K	876.00

Dia. (mm)	Order Code SHR-158	Price/1 TB
5.20	-5520K	895.00
5.30	-5530K	998.00
5.40	-5540K	1004.00
5.50	-5550K	1024.00
5.60	-5560K	1030.00
5.70	-5570K	1153.00
5.80	-5580K	1159.00
5.90	-5590K	1172.00
6.00	-5600K	1191.00
6.10	-5610K	1191.00
6.20	-5620K	1224.00
6.30	-5630K	1256.00
6.40	-5640K	1268.00
6.50	-5650K	1224.00
6.60	-5660K	1286.00
6.70	-5670K	1352.00
6.80	-5680K	1352.00
6.90	-5690K	1545.00
7.00	-5700K	1610.00
7.10	-5710K	1739.00
7.20	-5720K	1867.00
7.30	-5730K	1867.00
7.40	-5740K	1925.00
7.50	-5750K	1803.00
7.60	-5760K	1931.00
7.70	-5770K	1931.00
7.80	-5780K	1931.00
7.90	-5790K	1931.00
8.00	-5800K	1931.00
8.10	-5810K	2125.00
8.20	-5820K	2189.00
8.30	-5830K	2189.00
8.40	-5840K	2189.00
8.50	-5850K	1931.00
8.60	-5860K	2189.00
8.70	-5870K	2318.00
8.80	-5880K	2446.00
8.90	-5890K	2446.00
9.00	-5900K	2060.00
9.10	-5910K	2460.00
9.20	-5920K	2575.00
9.30	-5930K	2575.00

Dia. (mm)	Order Code SHR-158	Price/1 TB
9.40	-5940K	2575.00
9.50	-5950K	2961.00
9.60	-5960K	3039.00
9.70	-5970K	3348.00
9.80	-5980K	3348.00
9.90	-5990K	3348.00
10.00	-6000K	2897.00
10.20	-6020K	3541.00
10.30	-6030K	3670.00
10.40	-6040K	3670.00
10.50	-6050K	3348.00
10.80	-6080K	4185.00
11.00	-6100K	3219.00
11.20	-6120K	4185.00
11.50	-6150K	4185.00
11.80	-6180K	4506.00
11.90	-6190K	4506.00
12.00	-6200K	3412.00
12.10	-6210K	3799.00
12.20	-6220K	3863.00
12.50	-6250K	3863.00
12.70	-6270K	4120.00
12.80	-6280K	4378.00
13.00	-6300K	4506.00
13.20	-6320K	4635.00
13.50	-6350K	4764.00
14.00	-6400K	5086.00
15.00	-6500K	9979.00
16.00	-6600K	11588.00
16.50	-6650K	11910.00
17.00	-6700K	13133.00
17.50	-6750K	14806.00
18.00	-6800K	15450.00
19.00	-6900K	16094.00
20.00	-7000K	18025.00

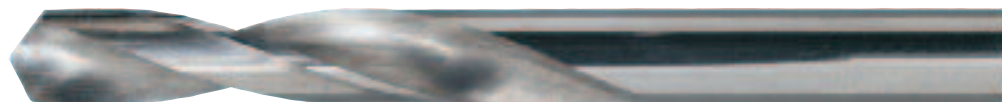
Series J102 - Inch

Dia. (inch)	Order Code SHR-158	Price/1 TB
1/32"	-4520K	489.00
3/64"	-4530K	489.00
1/16"	-4540K	489.00
3/32"	-4560K	580.00
1/8"	-4580K	709.00
5/32"	-4600K	837.00
11/64"	-4610K	979.00
3/16"	-4620K	1095.00
13/64"	-4630K	1288.00
7/32"	-4640K	1352.00
1/4"	-4660K	1545.00
17/64"	-4670K	1597.00
9/32"	-4680K	2400.00
5/16"	-4700K	2254.00
3/8"	-4740K	3200.00
1/2"	-4820K	5794.00



KENNEDY Solid Carbide Jobber Drills

For drilling steels, cast steels, cast iron, chilled cast iron, malleable cast iron, non-ferrous heavy and light metal and abrasive plastic. Point angle 118°. Tolerance of diameter: h7. Tolerance of shank: h6. Supply unit. All diameters - 1 pce. Manufacturing Standard: **DIN 338, DIN338**.



DIN 338 For Dimensions
BS 328 See Pages 46 - 47

Metric

Dia. (mm)	Order Code KEN-158	Price/1 TB
1.00	-0100K	742.00
1.50	-0150K	742.00
1.60	-0160K	742.00
2.00	-0200K	793.00
2.50	-0250K	948.00
3.00	-0300K	1061.00
3.30	-0330K	1133.00
3.50	-0350K	1185.00
4.00	-0400K	1401.00
4.20	-0420K	1586.00
4.50	-0450K	1586.00
5.00	-0500K	1854.00
5.50	-0550K	1854.00
6.00	-0600K	2225.00

Inch

Dia. (inch)	Order Code KEN-158	Price/1 TB
1/16"	-2040K	670.00
3/32"	-2060K	876.00
1/8"	-2080K	999.00
5/32"	-2100K	1267.00
11/64"	-2110K	1349.00
3/16"	-2120K	1524.00

Dia. (inch)	Order Code KEN-158	Price/1 TB
13/64"	-2130K	1936.00
7/32"	-2140K	2060.00
1/4"	-2160K	2112.00
5/16"	-2200K	2905.00
3/8"	-2240K	4151.00
1/2"	-2320K	5665.00

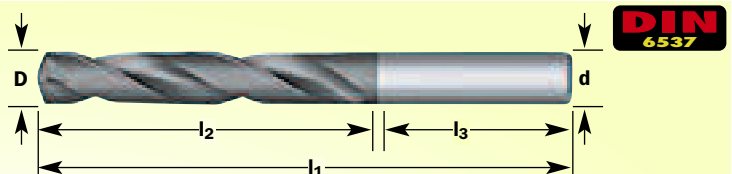
For drilling into general steel, cast steel, cast iron, chilled cast iron, malleable cast iron, non-ferrous heavy and light metal, and abrasive plastic, self-centering.
Point angle: 140°, tolerance of diameter: m7, tolerance of shank: h6.
Manufactured to **DIN 6537**.

CARBIDE
Q-Coat
**DIN
6537**
**EXTENDED
RANGE**
3 X D
5 X D


Diameter (mm)	Order Code SWT-158 3 x D Solid	Price/1 TB	Order Code SWT-158 3 x D Through Coolant	Price/1 TB	Order Code SWT-158 5 x D Solid	Price/1 TB	Order Code SWT-158 5 x D Through Coolant	Price/1 TB
3.00	-3530S	1276.00	-	-	-5530S	1878.00	-	-
3.20	-3532S	1276.00	-	-	-5532S	2531.00	-	-
3.30	-3533S	1276.00	-	-	-	-	-	-
3.50	-3535S	1276.00	-	-	-	-	-	-
4.00	-	-	-3040C	2100.00	-5540S	1878.00	-5040C	2531.00
4.20	-3542S	1276.00	-3042C	2200.00	-5542S	1875.00	-	-
4.50	-3545S	1276.00	-	-	-5545S	2531.00	-5045C	-
5.00	-3550S	1276.00	-3050C	2200.00	-5550S	1878.00	-5050C	2531.00
5.50	-3555S	1276.00	-	-	-5555S	2884.00	-5055C	-
6.00	-3560S	1276.00	-3060C	2200.00	-5560S	1878.00	-5060C	2884.00
6.20	-	-	-	-	-	-	-5062C	3191.00
6.50	-	-	-3065C	2950.00	-5565S	2009.00	-	-
6.80	-3568S	1906.00	-	-	-	-	-	-
7.00	-3570S	2160.00	-3070C	2950.00	-5570S	2307.00	-5070C	3191.00
7.50	-3575S	2209.00	-	-	-	-	-	-
8.00	-3580S	2160.00	-3080C	2950.00	-5580S	2307.00	-5080C	3191.00
8.50	-3585S	2752.00	-	-	-5585S	2575.00	-	-
9.00	-3590S	2752.00	-3090C	3100.00	-5590S	2879.00	-5090C	3795.00
10.00	-3600S	2752.00	-3100C	3100.00	-5600S	2972.00	-5100C	3795.00
10.20	-3602S	3300.00	-	-	-	-	-5102C	5500.00
10.50	-3605S	3100.00	-3105C	4500.00	-5605S	4687.00	-	-
11.00	-3610S	3464.00	-3110C	4500.00	-5610S	4500.00	-5110C	4999.00
12.00	-3620S	3464.00	-3120C	4500.00	-5620S	4100.00	-	-
12.50	-3625S	4996.00	-	-	-5625S	5892.00	-5125C	7030.00
13.00	-3630S	5665.00	-	-	-5630S	5892.00	-5130C	7030.00
13.50	-3635S	5820.00	-	-	-5635S	5892.00	-	-
14.00	-3640S	6695.00	-3140C	-	-5640S	5892.00	-5140C	7030.00
14.50	-3645S	5490.00	-	-	-	-	-	-
15.00	-3650S	5624.00	-	-	-5650S	7365.00	-	-
16.00	-3660S	6026.00	-	-	-	-	-	-

**Dimensions - Production Drills
to DIN 6537 (Cylindrical & Flatted Shank)**
**DIN 6537 - Short
3 X D Nominal**

Cutting Diameter D mm	Shank Diameter d, mm	Overall Length l1	Flute Length l2	Shank Length l3
3.00 to 3.70	6.0	62.0	20.0	36.0
3.80 to 4.70	6.0	66.0	24.0	36.0
4.76 to 6.00	6.0	66.0	28.0	36.0
6.10 to 7.00	8.0	79.0	34.0	36.0
7.10 to 8.00	8.0	79.0	41.0	36.0
8.10 to 10.00	10.0	89.0	47.0	40.0
10.10 to 12.00	12.0	102.0	55.0	45.0
12.10 to 14.00	14.0	107.0	60.0	45.0
14.10 to 16.00	16.0	115.0	65.0	48.0
16.50 to 18.00	18.0	123.0	73.0	48.0
18.50 to 20.00	20.0	131.0	79.0	50.0


**DIN 6537 - Long
5 X D Nominal**

Cutting Diameter D mm	Shank Diameter d mm	Overall Length l1	Flute Length l2	Shank Length l3
3.00 to 3.70	6.0	66.0	28.0	36.0
3.80 to 4.70	6.0	74.0	36.0	36.0
4.76 to 6.00	6.0	82.0	44.0	36.0
6.10 to 8.00	8.0	91.0	53.0	36.0
8.10 to 10.00	10.0	103.0	61.0	40.0
10.10 to 12.00	12.0	118.0	71.0	45.0
12.10 to 14.00	14.0	124.0	77.0	45.0
14.10 to 16.00	16.0	133.0	83.0	48.0
16.50 to 18.00	18.0	143.0	93.0	48.0
18.50 to 20.00	20.0	153.0	101.0	50.0

GROUP 025 LONG SERIES DRILLS

SHERWOOD QUALITY CUTTING TOOLS HSS Straight Shank Long Series Drills - Steam Tempered

General purpose drills to drill steels with tensile strength up to 1,000N/mm², cast steel, grey cast iron, malleable cast iron, nickel brass and graphite. Point angle: 118°, helix angle: normal, web thickness: normal, relief angle: 10° - 20°, tolerance of diameter: h8, tolerance of f11. Manufactured to **BS 328; Part 1: 1986, DIN 340 RN, ISO 494.**



HSS



Series L100 - Metric

Dia. (mm)	Flute Length	Overall Length	Order Code SHR-025	Price/1 TB
1.00	33.0	56.0	-1420A	134.00
1.10	37.0	60.0	-1421B	134.00
1.20	41.0	65.0	-1422C	134.00
1.30	41.0	65.0	-1423D	134.00
1.40	45.0	70.0	-1424E	134.00
1.50	45.0	70.0	-1425F	134.00
1.60	50.0	76.0	-1426G	134.00
1.70	50.0	76.0	-1427H	134.00
1.80	53.0	80.0	-1429K	134.00
1.90	53.0	80.0	-1431M	134.00
2.00	56.0	85.0	-1433P	134.00
2.10	56.0	85.0	-1435R	134.00
2.20	59.0	90.0	-1437T	134.00
2.30	59.0	90.0	-1439W	134.00
2.40	62.0	95.0	-1441Y	155.00
2.45	62.0	95.0	-1442N	155.00
2.50	62.0	95.0	-1443A	155.00
2.60	62.0	95.0	-1445C	155.00
2.70	66.0	100.0	-1447E	155.00
2.80	66.0	100.0	-1449G	155.00
2.85	66.0	100.0	-1450H	160.00
2.90	66.0	100.0	-1451J	160.00
3.00	66.0	100.0	-1453L	165.00
3.10	69.0	106.0	-1454M	165.00
3.20	69.0	106.0	-1455N	165.00
3.25	69.0	106.0	-1456P	165.00
3.30	69.0	106.0	-1457Q	165.00
3.40	73.0	112.0	-1458R	165.00
3.50	73.0	112.0	-1459S	165.00
3.60	73.0	112.0	-1460T	165.00
3.70	73.0	112.0	-1461V	165.00
3.80	78.0	119.0	-1463X	165.00
3.90	78.0	119.0	-1464Y	165.00
4.00	78.0	119.0	-1465N	170.00
4.10	78.0	119.0	-1466A	170.00
4.20	78.0	119.0	-1467B	170.00
4.30	82.0	126.0	-1469D	170.00
4.40	82.0	126.0	-1470E	170.00
4.50	82.0	126.0	-1471F	170.00
4.60	82.0	126.0	-1472G	170.00
4.70	82.0	126.0	-1473H	170.00
4.80	87.0	132.0	-1475K	170.00
4.90	87.0	132.0	-1476L	170.00
5.00	87.0	132.0	-1477M	162.00
5.10	87.0	132.0	-1478N	170.00
5.20	87.0	132.0	-1479P	180.00
5.30	87.0	132.0	-1481R	180.00

Dia. (mm)	Flute Length	Overall Length	Order Code SHR-025	Price/1 TB
5.40	91.0	139.0	-1482S	185.00
5.50	91.0	139.0	-1483T	185.00
5.60	91.0	139.0	-1484V	191.00
5.70	91.0	139.0	-1485W	191.00
5.80	91.0	139.0	-1487Y	191.00
5.90	91.0	139.0	-1488N	191.00
6.00	91.0	139.0	-1489A	211.00
6.10	97.0	148.0	-1490B	234.00
6.20	97.0	148.0	-1491C	234.00
6.30	97.0	148.0	-1493E	234.00
6.40	97.0	148.0	-1494F	234.00
6.50	97.0	148.0	-1495G	239.00
6.60	97.0	148.0	-1496H	266.00
6.70	97.0	148.0	-1497J	266.00
6.80	102.0	156.0	-1499L	273.00
6.90	102.0	156.0	-1500M	273.00
7.00	102.0	156.0	-1501N	278.00
7.10	102.0	156.0	-1502P	283.00
7.20	102.0	156.0	-1503Q	308.00
7.30	120.0	156.0	-1505S	308.00
7.50	102.0	156.0	-1507V	309.00
7.60	109.0	165.0	-1508W	319.00
7.70	109.0	165.0	-1509X	335.00
7.80	109.0	165.0	-1511N	340.00
7.90	109.0	165.0	-1512A	340.00
8.00	109.0	165.0	-1513B	356.00
8.10	109.0	165.0	-1514C	366.00
8.20	109.0	165.0	-1515D	376.00
8.30	109.0	165.0	-1517F	381.00
8.40	109.0	165.0	-1518G	391.00
8.50	109.0	165.0	-1519H	400.00
8.60	115.0	175.0	-1520J	425.00
8.70	115.0	175.0	-1521K	430.00
8.80	115.0	175.0	-1523M	435.00
8.90	115.0	175.0	-1524N	448.00
9.00	115.0	175.0	-1525P	448.00
9.10	115.0	175.0	-1526Q	464.00
9.20	115.0	175.0	-1527R	469.00
9.30	115.0	175.0	-1529T	489.00
9.40	115.0	175.0	-1530V	494.00
9.50	115.0	175.0	-1531W	503.00
9.60	121.0	184.0	-1532X	510.00
9.70	121.0	184.0	-1533Y	515.00
9.80	121.0	184.0	-1535A	525.00
9.90	121.0	184.0	-1536B	536.00
10.00	121.0	184.0	-1537C	567.00
10.10	121.0	184.0	-1538D	592.00

Dia. (mm)	Flute Length	Overall Length	Order Code SHR-025	Price/1 TB
10.20	121.0	184.0	-1539E	603.00
10.40	121.0	184.0	-1542H	613.00
10.50	121.0	184.0	-1543J	644.00
10.70	128.0	195.0	-1545L	670.00
10.80	128.0	195.0	-1547N	670.00
11.00	128.0	195.0	-1549Q	706.00
11.20	128.0	195.0	-1551S	721.00
11.50	128.0	195.0	-1555X	783.00
11.70	128.0	195.0	-1557N	809.00
11.80	128.0	195.0	-1559B	850.00
12.00	134.0	205.0	-1561D	865.00
12.20	134.0	205.0	-1563F	881.00
12.50	134.0	205.0	-1567K	953.00
12.60	134.0	205.0	-1568L	963.00
12.70	134.0	205.0	-1569M	979.00
12.80	134.0	205.0	-1571P	979.00
13.00	134.0	205.0	-1573R	1045.00
13.50	140.0	214.0	-1578X	1906.00
14.00	140.0	214.0	-1583C	1257.00
14.50	144.0	220.0	-1585E	2256.00
15.00	144.0	220.0	-1587G	1622.00
15.50	149.0	227.0	-1589J	2657.00
16.00	149.0	227.0	-1591L	1906.00
16.50	154.0	235.0	-1593N	3054.00
17.00	154.0	235.0	-1595Q	2189.00
17.50	158.0	241.0	-1597S	3512.00
18.00	158.0	241.0	-1599V	2498.00
20.00	166.0	254.0	-1607D	3162.00



HSS Long Series Drill Set

Used for deep hole drilling in most materials. (Not suitable for the drilling of holes in crankshafts.) Manufactured to **BS 328 : Part 1 : 1986.**

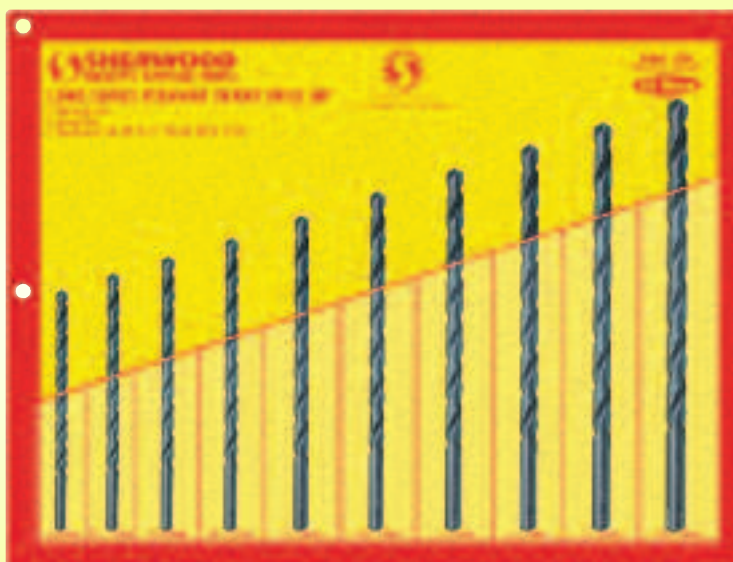
**10
PIECES**

mm

2.0 ~ 10.0

2.0 x 85mm	4.0 x 119mm	8.0 x 165mm
2.5 x 95mm	4.5 x 126mm	10.0 x 184mm
3.0 x 100mm	5.0 x 132mm	
3.5 x 112mm	6.0 x 139mm	

Number of Pieces	Order Code SHR-025	Price/1 TB
10	-8540K	1650.00



HSS

METRIC



HSS Straight Shank Long Series Drills

General purpose high speed steel long series drills are designed for deep hole drilling of most materials. The drill has the same diameter on both the fluted section and the shank. Manufactured to **BS 328; Part 1: 1986, DIN 340 RN, ISO 494.**



HSS



Series L100 - Inch

Diameter (Inch)	Flute Length	Overall Length	Order Code SHR-025	Price/1 TB
1/32"	1 1/16"	1 7/8"	-1404Z	250.00
3/64"	1 5/8"	2 9/16"	-1405A	450.00
1/16"	1 31/32"	3"	-1405B	190.00
5/64"	2 7/32"	3 11/32"	-1405C	190.00
3/32"	2 7/16"	3 3/4"	-1405D	150.00
7/64"	2 19/32"	3 15/16"	-1405E	150.00
1/8"	2 23/32"	4 3/16"	-1405F	200.00
9/64"	2 7/8"	4 13/32"	-1405G	225.00
5/32"	3 1/16"	4 11/16"	-1405H	235.00
11/64"	3 7/32"	4 31/32"	-1405J	250.00

Diameter (Inch)	Flute Length	Overall Length	Order Code SHR-025	Price/1 TB
3/16"	3 7/16"	5 3/16"	-1405K	272.00
13/64"	3 7/16"	5 3/16"	-1405L	299.00
7/32"	3 19/32"	5 15/32"	-1405M	325.00
15/64"	3 19/32"	5 15/32"	-1405N	385.00
1/4"	3 13/16"	5 13/16"	-1405P	399.00
17/64"	4"	6 1/8"	-1405Q	455.00
9/32"	4"	6 1/8"	-1405R	550.00
5/16"	4 9/32"	6 1/2"	-1405T	599.00
21/64"	4 9/32"	6 1/2"	-1405V	1150.00
11/32"	4 17/32"	6 7/8"	-1405W	700.00

Diameter (Inch)	Flute Length	Overall Length	Order Code SHR-025	Price/1 TB
3/8"	4 3/4"	7 1/4"	-1405Y	899.00
13/32"	4 3/4"	7 1/4"	-1406A	1050.00
7/16"	5 1/32"	7 11/16"	-1406C	1300.00
29/64"	5 1/32"	7 11/16"	-1406D	2300.00
15/32"	5 9/32"	8 1/16"	-1406E	2350.00
1/2"	5 9/32"	8 1/16"	-1406G	1750.00

HSS Straight Shank Long Series Drills - Bright Finish

General purpose drills to drill steels with tensile strength up to 1,000N/mm², cast steel, grey cast iron, malleable cast iron, nickel brass and graphite. Point angle: 118°, helix angle: normal, web thickness: normal, relief angle: 10° - 20°, tolerance of diameter: h8, tolerance of f11. Manufactured to **BS 328; Part 1: 1986, DIN 340 RN, ISO 494.** Drills with a bright finish are supplied in the as-ground condition and such tools are used generally in the machining of non-ferrous materials.

HSS



Series L100B - Metric

Dia. (mm)	Flute Length	Overall Length	Order Code SHR-025	Price/1 TB
1.00	33.0	56.0	-1630A	134.00
1.20	41.0	65.0	-1630E	134.00
1.50	45.0	70.0	-1630J	110.00
1.60	50.0	76.0	-1630K	155.00
2.00	56.0	85.0	-1630Q	101.00
2.10	56.0	85.0	-1630R	155.00
2.20	59.0	90.0	-1630S	155.00
2.30	59.0	90.0	-1630T	155.00
2.40	62.0	95.0	-1630W	101.00
2.50	62.0	95.0	-1630Y	101.00
2.60	62.0	95.0	-1630Z	155.00
2.80	66.0	100.0	-1631B	155.00
3.00	66.0	100.0	-1631H	106.00
3.10	69.0	106.0	-1631K	165.00
3.20	69.0	106.0	-1631N	110.00
3.30	69.0	106.0	-1631Q	111.00
3.40	73.0	112.0	-1631T	165.00
3.50	73.0	112.0	-1631V	116.00
3.60	73.0	112.0	-1631W	165.00
3.70	73.0	112.0	-1631X	165.00
3.80	78.0	119.0	-1631Y	165.00
4.00	78.0	119.0	-1632C	129.00
4.10	78.0	119.0	-1632D	129.00

Dia. (mm)	Flute Length	Overall Length	Order Code SHR-025	Price/1 TB
4.20	78.0	119.0	-1632F	134.00
4.30	82.0	126.0	-1632G	129.00
4.40	82.0	126.0	-1632J	129.00
4.50	82.0	126.0	-1632L	144.00
4.80	87.0	132.0	-1632R	168.00
4.90	87.0	132.0	-1632S	129.00
5.00	87.0	132.0	-1632W	162.00
5.10	87.0	132.0	-1632X	162.00
5.20	87.0	132.0	-1632Y	162.00
5.30	87.0	132.0	-1632Z	162.00
5.50	91.0	139.0	-1633F	185.00
5.80	91.0	139.0	-1633J	162.00
6.00	91.0	139.0	-1633P	211.00
6.10	97.0	148.0	-1633Q	211.00
6.20	97.0	148.0	-1633R	221.00
6.30	97.0	148.0	-1633S	232.00
6.40	97.0	148.0	-1633T	242.00
6.50	97.0	148.0	-1633X	239.00
6.70	97.0	148.0	-1634C	258.00
6.80	120.0	156.0	-1634D	266.00
7.00	120.0	156.0	-1634H	271.00
7.20	102.0	156.0	-1634K	271.00
7.50	102.0	156.0	-1634N	283.00

Dia. (mm)	Flute Length	Overall Length	Order Code SHR-025	Price/1 TB
7.80	109.0	165.0	-1634R	309.00
8.00	109.0	165.0	-1635A	356.00
8.20	109.0	165.0	-1635C	356.00
8.50	109.0	165.0	-1635L	400.00
9.00	115.0	175.0	-1635Z	448.00
9.50	115.0	175.0	-1636E	450.00
9.80	121.0	184.0	-1636L	499.00
10.00	121.0	184.0	-1636N	567.00
10.20	121.0	184.0	-1636Q	541.00
10.50	121.0	184.0	-1636T	567.00
11.00	128.0	195.0	-1637A	670.00
11.50	128.0	195.0	-1637F	773.00
12.00	134.0	205.0	-1637P	865.00
12.50	134.0	205.0	-1637V	824.00
13.00	134.0	205.0	-1638Q	850.00
13.50	140.0	214.0	-1638W	876.00
14.00	140.0	214.0	-1639R	979.00
15.00	144.0	220.0	-1640S	1288.00
16.00	149.0	227.0	-1641T	1545.00
17.00	154.0	235.0	-1642V	1803.00
18.00	158.0	241.0	-1643W	2009.00
20.00	166.0	254.0	-1644X	2575.00

SWISS+TECH HSS-Co Straight Shank Long Series Drills

HEAVY DUTY



Heavy-duty drill used for deep holes in steels with a tensile strength up to 1,400 N/mm². Stainless steels, heat and acid-resistant steels and hard bronze. Point angle: 135°. Helix angle: normal. Web thickness: strengthened. Relief angle: normal. Tolerance of diameter: h8. Tolerance of shank: f11. Manufacturing Standard: **DIN 340/BS328.**

HSS-Co



DIN 1412C 135°

Series 4000 - Metric

Diameter (mm)	Flute Length	Overall Length	Order Code SWT-125	Price/1 TB
3.00	66.0	100.0	-4030A	618.00
3.10	69.0	106.0	-4031A	618.00
3.20	69.0	106.0	-4032A	618.00
3.50	73.0	112.0	-4035A	736.00
4.00	78.0	119.0	-4040A	736.00

Diameter (mm)	Flute Length	Overall Length	Order Code SWT-125	Price/1 TB
4.80	87.0	132.0	-4048A	1020.00
5.00	87.0	132.0	-4050A	963.00
5.20	87.0	132.0	-4052A	1133.00
5.50	91.0	139.0	-4055A	1076.00
6.00	91.0	139.0	-4060A	1133.00

Diameter (mm)	Flute Length	Overall Length	Order Code SWT-125	Price/1 TB
6.50	97.0	148.0	-4065A	1246.00
8.00	109.0	165.0	-4080A	1700.00
8.50	109.0	165.0	-4085A	1926.00
11.50	128.0	195.0	-4115A	5948.00

PRODUCTS ARE ONLY AVAILABLE VIA YOUR DISTRIBUTOR

**HSS Extra Length Drills -
Steam Tempered****EXTENDED
RANGE****HSS**

General-purpose drills for steels, cast steel, grey cast iron, malleable cast iron, nickel brass, aluminium alloy and graphite.
Point angle: 118°, helix angle: normal, web thickness: standard,
relief angle: 10° - 20°, tolerance of diameter: h8, tolerance of shank: f11.
Manufactured to **BS 328 : Part 1 : 1986**.

**Series E100 - Metric**

Dia. (mm)	Flute Length	Overall Length	Order Code SHR-024	Price/1 TB
1.50	80.0	125.0	-2091B	515.00
1.50	100.0	160.0	-2092C	650.00
2.00	80.0	125.0	-2094E	365.00
2.00	100.0	160.0	-2095F	425.00
2.20	150.0	200.0	-2095H	750.00
2.20	100.0	160.0	-2096G	370.00
2.50	80.0	125.0	-2097H	350.00
2.50	100.0	160.0	-2098J	405.00
2.50	150.0	200.0	-2098L	850.00
3.00	100.0	160.0	-2099K	365.00
3.00	150.0	200.0	-2100L	695.00
3.00	200.0	250.0	-2101M	960.00
3.30	100.0	160.0	-2102N	725.00
3.30	150.0	200.0	-2102Q	950.00
3.50	100.0	160.0	-2103P	390.00
3.50	150.0	200.0	-2104Q	525.00
3.50	200.0	250.0	-2105R	980.00
3.70	100.0	160.0	-2106S	355.00
4.00	100.0	160.0	-2107T	365.00
4.00	150.0	200.0	-2108V	450.00
4.00	200.0	250.0	-2109W	605.00
4.00	250.0	315.0	-2110X	1290.00
4.00	300.0	425.0	-2111B	2550.00
4.50	100.0	160.0	-2111Y	585.00
4.50	150.0	200.0	-2112N	585.00
4.50	200.0	250.0	-2113A	1090.00

Dia. (mm)	Flute Length	Overall Length	Order Code SHR-024	Price/1 TB
4.50	250.0	300.0	-2113M	1750.00
4.50	250.0	315.0	-2114B	1850.00
4.50	220.0	350.0	-2114F	1950.00
4.50	300.0	425.0	-2114L	2500.00
5.00	100.0	160.0	-2115C	515.00
5.00	150.0	200.0	-2116D	515.00
5.00	200.0	250.0	-2117E	675.00
5.00	250.0	315.0	-2118F	1270.00
5.00	300.0	400.0	-2119G	1500.00
5.50	150.0	200.0	-2120H	1225.00
5.50	200.0	250.0	-2121J	1540.00
5.50	250.0	300.0	-2121P	1750.00
6.00	150.0	200.0	-2123L	775.00
6.00	200.0	250.0	-2124M	975.00
6.00	250.0	315.0	-2125N	975.00
6.00	300.0	400.0	-2126P	1950.00
6.50	150.0	200.0	-2127Q	1340.00
6.50	200.0	250.0	-2128R	1850.00
6.50	250.0	315.0	-2129S	2100.00
7.00	150.0	200.0	-2130T	955.00
7.00	200.0	250.0	-2131V	1950.00
7.00	250.0	315.0	-2132W	2200.00
7.50	200.0	200.0	-2133X	1075.00
7.50	200.0	250.0	-2134Y	2225.00
7.50	250.0	315.0	-2135N	2650.00
7.50	300.0	425.0	-2135S	3750.00

Dia. (mm)	Flute Length	Overall Length	Order Code SHR-024	Price/1 TB
8.00	200.0	250.0	-2136A	1300.00
8.00	250.0	315.0	-2137B	1825.00
8.00	300.0	400.0	-2138C	3950.00
8.50	200.0	250.0	-2139D	2650.00
8.50	250.0	315.0	-2140E	2100.00
9.00	200.0	250.0	-2141F	1865.00
9.00	250.0	315.0	-2142G	3570.00
9.00	300.0	400.0	-2143H	4100.00
9.50	200.0	250.0	-2144J	3150.00
9.50	250.0	315.0	-2145K	3750.00
10.00	200.0	250.0	-2146L	1830.00
10.00	250.0	315.0	-2147M	3465.00
10.00	300.0	400.0	-2148N	4500.00
10.50	200.0	250.0	-2149P	3675.00
10.50	250.0	315.0	-2150Q	4700.00
10.50	300.0	400.0	-2151R	4900.00
11.00	200.0	250.0	-2152S	3515.00
11.00	250.0	315.0	-2153T	4880.00
11.00	300.0	400.0	-2154V	5200.00
12.00	200.0	250.0	-2155W	2460.00
12.00	250.0	315.0	-2156X	4940.00
12.00	300.0	400.0	-2157Y	5500.00
13.00	250.0	315.0	-2158N	6825.00
13.00	300.0	400.0	-2159A	7100.00
14.00	250.0	315.0	-2160B	7140.00
14.00	300.0	400.0	-2161C	7750.00

Series E100 - Inch

Dia. (inch)	Flute Length	Overall Length	Order Code SHR-024	Price/1 TB
1/16"	80.0	125.0	-1990A	341.00
1/16"	100.0	160.0	-1991B	351.00
3/32"	80.0	125.0	-1994E	373.00
3/32"	100.0	160.0	-1995F	379.00
1/8"	100.0	160.0	-1998J	391.00
1/8"	150.0	200.0	-1999K	394.00
1/8"	200.0	250.0	-2000L	650.00
1/8"	250.0	315.0	-2001M	850.00
5/32"	150.0	200.0	-2005R	492.00
5/32"	200.0	250.0	-2006S	600.00
5/32"	250.0	315.0	-2007T	670.00
3/16"	100.0	160.0	-2011Y	497.00
3/16"	150.0	200.0	-2012N	503.00
3/16"	200.0	250.0	-2013A	509.00
3/16"	250.0	315.0	-2014B	695.00
3/16"	300.0	400.0	-2015C	700.00
13/64"	150.0	200.0	-2016D	509.00
7/32"	150.0	200.0	-2019G	514.00
7/32"	200.0	250.0	-2020H	519.00
7/32"	250.0	315.0	-2021J	670.00
1/4"	150.0	200.0	-2024M	524.00
1/4"	200.0	250.0	-2025N	530.00
1/4"	250.0	315.0	-2026P	552.00

Dia. (inch)	Flute Length	Overall Length	Order Code SHR-024	Price/1 TB
1/4"	300.0	400.0	-2027Q	750.00
9/32"	150.0	200.0	-2032W	541.00
9/32"	200.0	250.0	-2033X	552.00
5/16"	150.0	200.0	-2035N	595.00
5/16"	200.0	250.0	-2036A	606.00
5/16"	250.0	315.0	-2037B	979.00
5/16"	300.0	400.0	-2038C	1850.00
11/32"	200.0	250.0	-2042D	2450.00
11/32"	200.0	250.0	-2042G	2700.00
11/32"	250.0	315.0	-2043H	2900.00
11/32"	300.0	400.0	-2044J	3500.00
23/64"	200.0	250.0	-2045K	2800.00
23/64"	250.0	315.0	-2046L	3100.00
3/8"	150.0	200.0	-2046Y	2300.00
3/8"	200.0	250.0	-2047M	2700.00
3/8"	250.0	315.0	-2048N	2850.00
3/8"	300.0	400.0	-2049P	3500.00
13/32"	200.0	250.0	-2051R	3400.00
13/32"	250.0	315.0	-2052S	3500.00
7/16"	200.0	250.0	-2054V	2900.00
7/16"	250.0	315.0	-2055W	2950.00
7/16"	300.0	400.0	-2056X	4000.00
7/16"	200.0	250.0	-2057W	3100.00

Dia. (inch)	Flute Length	Overall Length	Order Code SHR-024	Price/1 TB
7/16"	250.0	315.0	-2057Y	3500.00
1/2"	200.0	250.0	-2059A	3250.00
1/2"	250.0	315.0	-2060B	3750.00
1/2"	300.0	400.0	-2061C	4500.00

**HSS Extra Length Drill Set**

Used for deep hole drilling in most materials.
(Not suitable for the drilling of holes in crankshafts.)
Manufactured to **BS 328 : Part 1 : 1986**.

HSS**METRIC****mm****3.0 ~ 10.0****6****PIECES**

3.0 x 160mm
4.0 x 160mm
5.0 x 200mm

6.0 x 200mm
8.0 x 250mm
10.0 x 250mm

Number
of Pieces

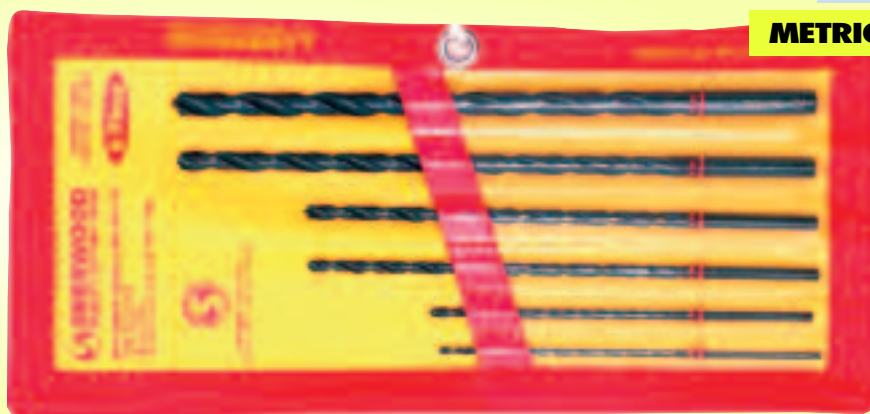
Order Code
SHR-025

Price/1
TB

6

-8600K

2250.00





HSS Taper Shank Drills - Metric

To drill steels with a tensile strength up to 1.000 N/mm², cast steel, grey cast iron, malleable cast iron, nickel brass and graphite.
Point angle: 118°, helix angle: normal, relief angle: normal, tolerance of diameter: h8.
Manufacturing Standard: **DIN 345**.


**EXTENDED
RANGE**

Series T100 - Metric

Dia. (mm)	Flute Length	Overall Length	Order Code SHR-025	Price/1 TB
1 Morse Taper				
3.00	33	114	-2634E	525.00
3.30	36	117	-2638J	783.00
3.50	39	120	-2640L	783.00
4.00	43	123	-2646S	525.00
4.10	43	123	-2647T	906.00
4.20	43	123	-2648V	906.00
4.50	47	128	-2652N	824.00
5.00	52	133	-2658F	499.00
5.10	52	133	-2659G	824.00
5.20	52	133	-2660H	824.00
5.30	52	133	-2662K	824.00
5.50	57	138	-2664M	556.00
6.00	57	138	-2670T	525.00
6.20	57	138	-2672W	541.00
6.50	63	144	-2676A	541.00
6.60	63	144	-2677B	541.00
6.80	69	150	-2680E	675.00
7.00	69	150	-2682G	520.00
7.50	69	150	-2688N	608.00
8.00	75	156	-2694W	464.00
8.10	75	156	-2695X	986.00
8.20	75	156	-2696Y	986.00
8.50	75	156	-2700C	515.00
8.60	81	162	-2701D	953.00
8.70	81	162	-2702E	948.00
8.75	81	162	-2703F	1051.00
8.80	81	162	-2704G	1051.00
9.00	81	162	-2706J	613.00
9.50	81	162	-2712Q	736.00
9.70	87	168	-2714S	1082.00
9.80	87	168	-2716V	1082.00
10.00	87	168	-2718X	561.00
10.20	87	168	-2720N	917.00
10.25	87	168	-2721A	1200.00
10.30	87	168	-2722B	1200.00
10.40	87	168	-2723C	633.00
10.50	87	168	-2724D	633.00
10.70	94	175	-2726F	1267.00
10.80	94	175	-2728H	1272.00
11.00	94	175	-2730K	623.00
11.20	94	175	-2732M	1334.00
11.40	94	175	-2735Q	1334.00
11.50	94	175	-2736R	695.00
11.70	94	175	-2738T	1401.00
11.80	94	175	-2740W	1401.00
12.00	101	182	-2742Y	695.00
12.10	101	182	-2743N	1442.00
12.20	101	182	-2744A	1442.00
12.30	101	182	-2746C	1468.00
12.40	101	182	-2747D	1468.00
12.50	101	182	-2748E	778.00
12.70	101	182	-2750G	1555.00
12.80	101	182	-2752J	1555.00
13.00	101	182	-2754L	773.00
13.20	101	182	-2756N	1638.00
13.30	108	189	-2758Q	1638.00
13.50	108	189	-2760S	860.00
13.60	108	189	-2761T	1725.00
13.90	108	189	-2765Y	1725.00
14.00	108	189	-2766N	999.00
2 Morse Taper				
14.10	114	212	-2766P	1818.00
14.20	114	212	-2766S	1818.00
14.25	114	212	-2767A	1818.00
14.50	114	212	-2768B	1004.00
14.75	114	212	-2769C	1916.00
15.00	114	212	-2770D	1250.00
15.10	120	218	-2770G	1849.00
15.20	120	218	-2770L	1849.00
15.25	120	218	-2771E	1849.00
15.50	120	218	-2772F	1112.00
15.75	120	218	-2773G	2112.00
16.00	120	218	-2774H	1045.00
16.10	125	223	-2774N	2039.00
16.20	125	223	-2774T	2039.00

Dia. (mm)	Flute Length	Overall Length	Order Code SHR-025	Price/1 TB
16.25	125	223	-2775J	2039.00
16.30	125	223	-2775P	2039.00
16.50	125	223	-2776K	1277.00
17.00	125	223	-2778M	1133.00
17.25	130	228	-2779N	2421.00
17.50	130	228	-2780P	1277.00
17.70	130	228	-2781B	2554.00
17.75	130	228	-2781Q	2554.00
18.00	130	228	-2782R	1262.00
18.25	135	233	-2783S	2688.00
18.50	135	233	-2784T	1545.00
19.00	135	233	-2786W	1385.00
19.25	140	238	-2787X	2714.00
19.50	140	238	-2788Y	2714.00
20.00	140	238	-2790A	1650.00
20.25	145	243	-2791B	3214.00
20.50	145	243	-2793D	1750.00
20.75	145	243	-2794E	3337.00
21.00	145	243	-2795F	3337.00
21.25	150	248	-2796G	3502.00
21.50	150	248	-2797H	3502.00
21.75	150	248	-2798J	3657.00
22.00	150	248	-2799K	2300.00
22.25	150	248	-2800L	3811.00
22.50	150	248	-2801M	3811.00
23.00	150	248	-2803P	2450.00
3 Morse Taper				
23.25	150	248	-2804Q	4120.00
23.50	150	248	-2805R	4120.00
24.00	160	281	-2807T	2750.00
24.50	160	281	-2809W	2850.00
25.00	160	281	-2811Y	3200.00
25.50	165	286	-2813A	3311.00
26.00	165	286	-2815C	3500.00
26.50	165	286	-2817E	3700.00
27.00	170	291	-2819G	3650.00
27.50	170	291	-2821J	3800.00
28.00	170	291	-2823L	3950.00
28.50	175	296	-2825N	4100.00
29.00	175	296	-2827Q	4300.00
29.50	175	296	-2829S	4700.00
30.00	175	296	-2831V	4500.00
30.50	180	301	-2833X	6623.00
31.00	180	301	-2835N	4950.00
31.50	180	301	-2837B	7777.00
4 Morse Taper				
32.00	185	334	-2839D	5999.00
32.50	185	334	-2840E	8240.00
33.00	185	334	-2842G	6500.00
33.50	185	334	-2843H	7999.00
34.00	190	339	-2844J	7250.00
34.50	190	339	-2845K	9425.00
35.00	190	339	-2846L	7500.00
35.50	190	339	-2847M	9960.00
36.00	195	344	-2848N	7750.00
37.00	195	344	-2850Q	7800.00
37.50	195	344	-2851R	11330.00
38.00	200	349	-2852S	7900.00
38.50	200	349	-2853T	12051.00
39.00	200	349	-2854V	8369.00
39.50	200	349	-2855W	12772.00
40.00	200	349	-2856X	9500.00
41.00	205	354	-2858N	9600.00
42.00	205	354	-2860B	9909.00
43.00	210	359	-2862D	10558.00
44.00	210	359	-2864F	11021.00
45.00	210	359	-2866H	12500.00
46.00	215	364	-2868K	15000.00
47.00	215	364	-2870M	16000.00
48.00	220	369	-2872P	17000.00
49.00	220	369	-2874R	18000.00
50.00	220	369	-2876T	19000.00
5 Morse Taper				
55.00	230	417	-2882A	27000.00
60.00	235	422	-2887F	41000.00
65.00	245	432	-2892L	55000.00
70.00	250	437	-2897R	65000.00

Series T100 - Inch

Dia. (inch)	Flute Length	Overall Length	Order Code SHR-025	Price/1 TB
1 Morse Taper				
1/8"	1 7/16"	4 5/8"	-2550E	999.00
9/64"	1 17/32"	4 3/4"	-2550F	1100.00
5/32"	1 11/16"	4 27/32"	-2550G	1100.00
11/64"	1 27/32"	5 1/32"	-2550H	1100.00
3/16"	2 1/16"	5 1/4"	-2550J	999.00
13/64"	2 1/16"	5 1/4"	-2550K	1050.00
7/32"	2 1/4"	5 7/16"	-2550L	1050.00
1/4"	2 1/2"	5 11/16"	-2550N	800.00
17/64"	2 23/32"	5 29/32"	-2550P	1050.00
9/32"	2 23/32"	5 29/32"	-2550Q	1200.00
19/64"	2 15/16"	6 1/8"	-2550R	1250.00
5/16"	2 15/16"	6 1/8"	-2550S	1050.00
21/64"	2 15/16"	6 1/8"	-2550T	950.00
11/32"	3 3/16"	6 3/8"	-2550V	1300.00
23/64"	3 3/16"	6 3/8"	-2550W	1400.00
3/8"	3 7/16"	6 5/8"	-2550X	1050.00
25/64"	3 7/16"	6 5/8"	-2550Y	1450.00
13/32"	3 7/16"	6 5/8"	-2550Z	1250.00
27/64"	3 11/16"	6 7/8"	-2551A	1700.00
7/16"	3 11/16"	6 7/8"	-2551B	1250.00
29/64"	3 11/16"	6 7/8"	-2551C	1800.00
15/32"	3 31/32"	7 5/32"	-2551D	2750.00
31/64"	3 31/32"	7 5/32"	-2551E	2600.00
1/2"	3 31/32"	7 5/32"	-2551F	1500.00
33/64"	3 31/32"	7 5/32"	-2551G	2050.00
17/32"	4 1/4"	7 7/16"	-2551H	1750.00
35/64"	4 1/4"	7 7/16"	-2551J	2200.00
2 Morse Taper				
9/16"	4 1/2"	8 3/8"	-2551K	1750.00
37/64"	4 1/2"	8 3/8"	-2551L	2550.00
19/32"	4 3/4"	8 5/8"	-2551M	2400.00
39/64"	4 3/4"	8 5/8"	-2551N	2550.00
5/8"	4 3/4"	8 5/8"	-2551P	2050.00
41/64"	4 7/8"	8 3/4"	-2551Q	2400.00
21/32"	4 7/8"	8 3/4"	-2551R	2450.00
43/64"	5 1/8"	9"	-2551S	3250.00
11/16"	5 1/8"	9"	-2551T	2450.00
45/64"	5 1/8"	9"	-2551V	3250.00
23/32"	5 1/4"	9 1/8"	-2551W	3350.00
47/64"	5 1/4"	9 1/8"	-2551X	3450.00
3/4"	5 1/2"	9 3/8"	-2551Y	2850.00
49/64"	5 1/2"	9 3/8"	-2551Z	3750.00
25/32"	5 1/2"	9 3/8"	-2552A	3850.00
51/64"	5 3/4"	9 5/8"	-2552B	4350.00
13/16"	5 3/4"	9 5/8"	-2552C	3200.00
53/64"	5 3/4"	9 5/8"	-2552D	4500.00
27/32"	5 7/8"	9 3/4"	-2552E	4300.00
55/64"	5 7/8"	9 3/4"	-2552F	6300.00
7/8"	5 7/8"	9 3/4"	-2552G	3650.00
57/64"	6 1/8"	10"	-2552H	5400.00
29/32"	6 1/8"	10"	-2552J	5100.00
3 Morse Taper				
59/64"	6 1/8"	10 7/8"	-2552K	6750.00
15/16"	6 1/4"	11"	-2552L	4450.00
61/64"	6 1/4"	11"	-2552M	5900.00
31/32"	6 1/4"	11"	-2552N	5750.00
63/64"	6 1/2"	11 1/4"	-2552P	4550.00
1"	6 1/2"	11 1/4"	-2552Q	4750.00
1 1/64"	6 1/2"	11 1/4"	-2552R	9900.00
1 1/32"	6 1/2"	11 1/4"	-2552S	6450.00
1 1/16"	6 5/8"	11 3/8"	-2552V	5700.00
1 3/32"	6 5/8"	11 3/8"	-2552X	7999.00
1 7/64"	6 7/8"	11 5/8"	-2552Y	12600.00
1 1/8"	6 7/8"	11 5/8"	-2552Z	6400.00
1 5/32"	6 7/8"	11 5/8"	-2553B	8950.00
1 3/16"	7 1/8"	11 7/8"	-2553D	8200.00
1 13/64"	7 1/8"	11 7/8"	-2553E	15450.00
1 17/32"	7 1/8"	11 7/8"	-2553F	9800.00
1 1/4"	7 1/4"	12"	-2553H	7700.00
4 Morse Taper				
1 19/64"	7 1/4"	13 1/8"	-2553L	13550.00
1 5/16"	7 1/4"	13 1/8"	-2553M	9900.00
1 3/8"	7 1/2"	13 3/8"	-2553R	12000.00
1 17/16"	7 5/8"	13 1/2"	-2553W	14500.00
1 1/2"	7 7/8"	13 3/4"	-2554A	12900.00
1 5/8"	8 1/8"	14"	-2554J	19350.00

GROUP 025 TAPER SHANK DRILLS



HSS Extra Length Taper Shank Drills

General purpose drills for steels, cast steel, grey cast iron, malleable cast iron, nickel brass, aluminium, alloy and graphite. Point angle 118°, helix angle: normal, web thickness: standard, relief angle 8° - 20°, tolerance of diameter: h8. Made to **BS328 : 1 1986**. Sizes 32mm to 50mm are made to **DIN1870/ Series 1**.



HSS

**EXTENDED
RANGE**



Metric

Dia. (mm)	Flute Length	Overall Length	Order Code SHR-024	Price/1 TB
1 Morse Taper				
6.00	110.0	200.0	-3950A	1400.00
6.00	160.0	250.0	-3951B	1650.00
6.50	135.0	200.0	-3953D	1500.00
6.50	160.0	250.0	-3954E	1750.00
7.00	110.0	200.0	-3956G	1500.00
7.00	160.0	250.0	-3957H	1750.00
7.50	160.0	250.0	-3960L	1850.00
8.00	110.0	200.0	-3961M	1600.00
8.00	160.0	250.0	-3962N	1850.00
8.00	225.0	315.0	-3963P	2300.00
8.00	310.0	400.0	-3964Q	3650.00
8.50	110.0	200.0	-3966S	1950.00
8.50	160.0	250.0	-3967T	2150.00
8.50	225.0	315.0	-3968V	2500.00
8.50	310.0	400.0	-3969W	3850.00
9.00	110.0	200.0	-3970X	2100.00
9.00	160.0	250.0	-3971Y	2250.00
9.00	225.0	315.0	-3972N	3500.00
9.00	310.0	400.0	-3972T	3750.00
9.50	160.0	250.0	-3975C	2500.00
9.50	225.0	315.0	-3976D	3750.00
10.00	160.0	250.0	-3978F	2600.00
10.00	225.0	315.0	-3979G	3950.00
10.00	310.0	400.0	-3980H	4500.00
10.00	410.0	500.0	-3981J	5100.00
11.00	160.0	250.0	-3982K	4500.00
11.00	225.0	315.0	-3983L	4750.00
11.00	310.0	400.0	-3984M	5100.00
12.00	160.0	250.0	-3986P	4750.00
12.00	225.0	315.0	-3987Q	5200.00
12.00	310.0	400.0	-3988R	6100.00
12.00	410.0	500.0	-3989S	6500.00
13.00	160.0	250.0	-3990T	5200.00
13.00	225.0	315.0	-3991V	5400.00
13.00	310.0	400.0	-3992W	6500.00
14.00	160.0	250.0	-3994Y	5500.00
14.00	225.0	315.0	-3995N	5750.00
14.00	310.0	400.0	-3996A	7100.00

Metric continued

Dia. (mm)	Flute Length	Overall Length	Order Code SHR-024	Price/1 TB
2 Morse Taper				
15.00	160.0	250.0	-3997B	5950.00
15.00	225.0	315.0	-3998C	6100.00
15.00	310.0	400.0	-3999D	7500.00
15.00	410.0	500.0	-4000E	7750.00
16.00	215.0	315.0	-4001F	6500.00
16.00	300.0	400.0	-4002G	7750.00
16.00	400.0	500.0	-4003H	8100.00
17.00	215.0	315.0	-4004J	6950.00
17.00	300.0	400.0	-4005K	8100.00
18.00	215.0	315.0	-4007M	7100.00
18.00	300.0	400.0	-4008N	8100.00
18.00	400.0	500.0	-4009P	9100.00
18.00	530.0	630.0	-4010Q	11500.00
19.00	215.0	315.0	-4011R	9500.00
19.00	300.0	400.0	-4012S	8500.00
20.00	215.0	315.0	-4015W	9100.00
20.00	300.0	400.0	-4016X	13000.00
20.00	400.0	500.0	-4017Y	14000.00
21.00	215.0	315.0	-4019A	10500.00
21.00	300.0	400.0	-4020B	14000.00
21.00	400.0	500.0	-4021C	15000.00
22.00	215.0	315.0	-4022D	11000.00
22.00	300.0	400.0	-4023E	15000.00
22.00	400.0	500.0	-4024F	16000.00
3 Morse Taper				
23.00	400.0	500.0	-4028K	18500.00
24.00	275.0	400.0	-4029L	17000.00
24.00	375.0	500.0	-4030M	19500.00
25.00	275.0	400.0	-4032P	19000.00
25.00	375.0	500.0	-4033Q	21000.00
26.00	275.0	400.0	-4035S	22000.00
26.00	375.0	500.0	-4036T	23000.00
28.00	375.0	500.0	-4041N	24000.00
28.00	505.0	630.0	-4042A	25500.00
30.00	275.0	400.0	-4043B	26000.00
30.00	375.0	500.0	-4044C	29000.00
32.00	450.0	575.0	-4045F	31000.00
35.00	450.0	575.0	-4047B	33000.00
40.00	450.0	575.0	-4048C	36000.00
45.00	600.0	725.0	-4051B	41000.00
50.00	600.0	725.0	-4055F	50000.00

Inch

Dia. (inch)	Flute Length	Overall Length	Order Code SHR-024	Price/1 TB
1 Morse Taper				
1/4"	160	250	-3731B	4400.00
1/4"	300	400	-3733D	7550.00
17/64"	110	200	-3734E	3000.00
9/32"	110	200	-3737H	3850.00
9/32"	185	250	-3738J	4550.00
11/32"	160	250	-3754B	4050.00
3/8"	110	200	-3761Y	3900.00
3/8"	160	250	-3762K	4050.00
3/8"	225	315	-3763L	5350.00
13/32"	160	250	-3769S	4250.00
27/64"	160	250	-3773X	5250.00
29/64"	160	250	-3781F	4750.00
15/32"	115	200	-3783H	4200.00
15/32"	175	250	-3784J	4900.00
1/2"	125	200	-3790Q	4250.00
1/2"	160	250	-3791R	5050.00
1/2"	310	400	-3793T	8450.00
2 Morse Taper				
9/16"	215	315	-3808K	6700.00
9/16"	400	500	-3810M	18350.00
5/8"	215	315	-3820Y	7350.00
5/8"	300	400	-3821N	9700.00
11/16"	215	315	-3833M	8550.00
3/4"	215	315	-3845A	9050.00
3/4"	300	400	-3846B	11500.00
7/8"	300	400	-3866Y	15350.00
7/8"	400	500	-3867N	35500.00
3 Morse Taper				
1"	375	500	-3879M	21500.00
1 1/8"	275	400	-3885T	24100.00



HSS-Co 5% Taper Shank Drills

High heat resistant drill for drilling alloyed and unalloyed steels and castings with a tensile strength over 800N/mm². Especially suitable for hot and cold rolled steels as well as case hardening and heat treatable steels. Manufactured to Type N **DIN 345**.



HSS-Co. 5%

NEW



Series 345

Dia. (mm)	Flute Length	Overall Length	Order Code SHR-026	Price/1 TB
1 Morse Taper				
10.00	87.0	168.0	-1824W	3650.00
10.50	87.0	168.0	-1824X	3850.00
11.00	94.0	175.0	-1824Y	3750.00
12.00	101.0	182.0	-1825A	1978.00
12.50	101.0	182.0	-1825B	6250.00
13.00	101.0	182.0	-1825C	4250.00
13.50	108.0	189.0	-1825D	5300.00
14.00	108.0	189.0	-1825E	2348.00
14.50	114.0	212.0	-1825F	5700.00
15.00	114.0	212.0	-1825G	2760.00
15.50	120.0	218.0	-1825H	5750.00

Dia. (mm)	Flute Length	Overall Length	Order Code SHR-026	Price/1 TB
2 Morse Taper				
16.00	120.0	218.0	-1825J	3080.00
16.50	125.0	223.0	-1825K	5999.00
17.00	125.0	223.0	-1825L	5999.00
17.50	130.0	228.0	-1825M	3626.00
18.00	130.0	228.0	-1825N	3780.00
18.50	135.0	233.0	-1825P	6650.00
19.00	135.0	233.0	-1825Q	4161.00
20.00	140.0	238.0	-1825S	4522.00
21.00	145.0	243.0	-1825V	8450.00
22.00	150.0	248.0	-1825X	9700.00

Dia. (mm)	Flute Length	Overall Length	Order Code SHR-026	Price/1 TB
3 Morse Taper				
24.00	160.0	281.0	-1826B	12700.00
25.00	160.0	281.0	-1826D	6757.00
26.00	165.0	286.0	-1826F	14900.00
28.00	170.0	291.0	-1826K	18650.00
30.00	175.0	296.0	-1826P	18000.00

4 Morse Taper				
32.00	185.0	334.0	-1826T	22000.00

***Straight & Taper
Shank Drills***



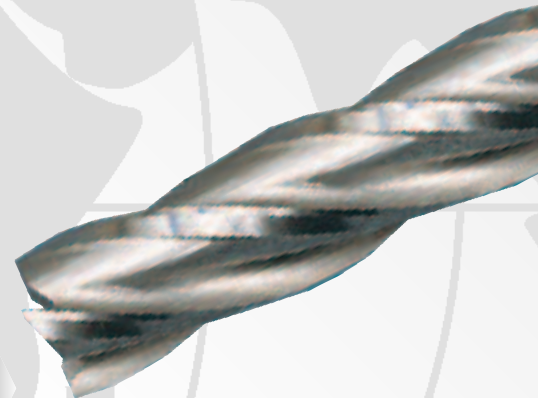
***Centre
Drills***



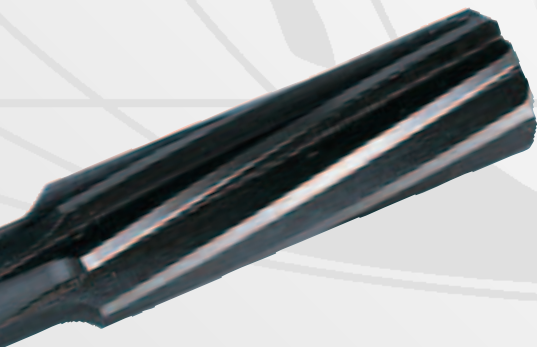
***Countersinks &
Counterbores***



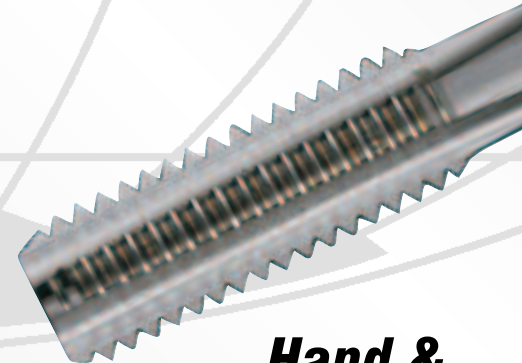
***Shank & Bore
Milling Cutters***



***Hand & Machine
Reamers***



***Hand &
Machine Taps***



***Full Range of Sizes and Sets - Massive Stocks Available!
mm, inch, DIN, ISO, UN, BS, and ANSI Standards***