

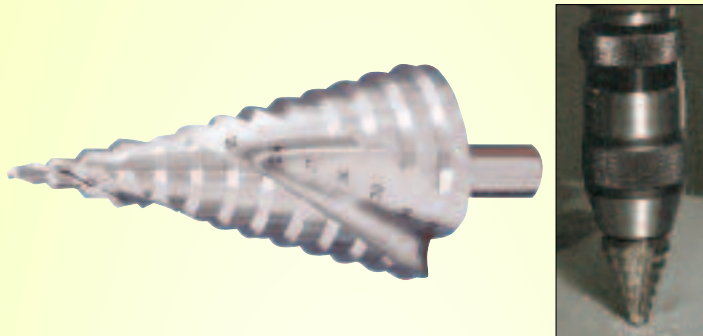


HSS Multi-Diameter Step Drills

Produce good quality holes in a wide variety of materials, using either a bench drill or light pedestal drilling machine. Each tool cuts parallel holes in a range of specific sizes. For material up to 1/8" (3mm) thick.



HSS



Size	Range	Number of Steps	Weight each	Order Code SHR-019	Price/1 TB
0/5	4 - 12mm	5	30g	-0500K	901.00
0/9	4 - 12mm	9	30g	-0509K	1004.00
1	4 - 20mm	9	70g	-0510K	1313.00
2	4 - 30mm	11	200g	-0520K	2163.00
3	6 - 38mm	12	299g	-0530K	3348.00
5	4 - 39mm	14	320g	-0560K	3605.00
9	6 - 37mm	12	310g	-0600K	3219.00

HSS Sheet Metal Step Drill Set

Three piece stepped cone drill set manufactured from high speed steel, resulting in long tool life and extra durability. Each step produces specific sized, parallel holes, with the maximum material thickness being determined by the length of step. The drills are capable of producing or enlarging holes in sheet metals without the need for centre punch or pilot holes, and are designed for use with power tools or pedestal drilling machines for an extensive range of industrial applications.

HSS

3 PIECES

Sizes include:

4 - 12mm (9 step, 6mm shank),
4 - 20mm (9 step, 8mm shank)
and 4 - 30mm (14 step, 10mm shank).



Number of Pieces	Range	Weight	Order Code SHR-019	Price/1 TB
3	4 - 30mm	275g	-0260K	4893.00

HSS Taper Sheet & Tube Drills

For producing clean holes in sheet metal and other thin walled materials. Efficient cutting geometry, no pre-drilled pilot hole and the diameter of the finished hole is infinitely variable within the range of each drill, according to depth of feed.

HSS



Range	Shank Diameter	Overall Length	Weight each	Order Code SHR-019	Price/1 TB
3 - 14mm	6	57	30g	-1100K	703.00
8 - 20mm	8	66	60g	-1110K	920.00
16 - 30mm	9	74	140g	-1120K	1743.00
26 - 40mm	9	85	300g	-1130K	4079.00



HSS-E Co 5% Countersinks Single Hole



Manufactured from M35 HSS and used for the deburring and chamfering of most metals and plastics. Straight shank. Manufactured to **BS 328 : Part 5 : 1983**. Inclusive angle 90°.

HSS-Co 5%



Cutting Range	Shank Diameter	Overall Length	Weight each	Order Code KEN-020	Price/1 TB
2 - 5mm	6	32.0	15g	-2090K	901.00
5 - 10mm	8	30.5	25g	-2100K	1029.00
10 - 15mm	10	37.5	25g	-2150K	1338.00
15 - 20mm	12	48.0	110g	-2200K	2368.00
20 - 25mm	15	56.5	225g	-2250K	3322.00

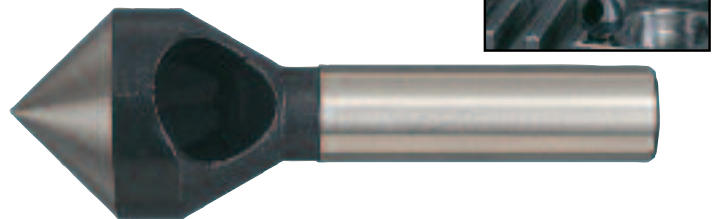


HSS-E Co 5% Countersinks Single Hole



Manufactured from HSS-E cobalt for deburring and chamfering. Straight shank. Manufactured to **BS328 : Part 5 : 1983**. Inclusive angle 90°.

HSS-Co 5%



Cutting Range	Shank Diameter	Overall Length	Weight each	Order Code SHR-020	Price/1 TB
2 - 5mm	6	32.0	15g	-2090K	495.00
5 - 10mm	8	30.5	25g	-2100K	666.00
10 - 15mm	10	37.5	25g	-2150K	1028.00
15 - 20mm	12	48.0	110g	-2200K	2326.00
20 - 25mm	15	56.5	225g	-2250K	2746.00
25 - 30mm	15	55.0	315g	-2300K	3750.00

HSS-Co 5% Countersink Set

HSS-Co 5%

6 Piece Set
Straight shank, ground flute 90° angle. Sizes: 2 - 5mm, 5 - 10mm, 10 - 15mm, 15 - 20mm, 20 - 25mm and 25 - 30mm.

6 PIECES



Number of Pieces	Shank Style	Weight each	Order Code SHR-020	Price/1 TB
6	Straight	1.2kg	-9020B	7555.00



HSS-Co 5% 3 Flute Piloted Countersinks



For the production of high precision concentrically centred countersinks in most metals where pilot holes have been pre-drilled.

Shank diameter: 3/16".

HSS-Co 5%



Inclined Angles for Countersunk Socket Head Screws			
Thread Series	Standard	Thread Size	Countersink Angle
Metric	BS EN ISO 10642	up to M20 over M20	90°
			60°
UNC/F	ANSI B 18.3	No.0 to 1"	82°
BSW/F BA	BS 2470	1/8" TO 1"	90°
	BS 2470	8BA TO 0BA	90°

Product Number	Diameter	Inc. Angle	Body Dia.	Overall Length	Order Code SHR-020	Price/1 TB
5802	3/32"	100°	3/16"	2 1/2"	-5050D	655.00
5803	3/32"	120°	3/16"	2 1/2"	-5054H	755.00
5810	1/8"	100°	1/4"	2 1/2"	-5051E	755.00
5812	1/8"	120°	1/4"	2 1/2"	-5055J	755.00
5821	5/32"	100°	5/16"	2 1/2"	-5052F	755.00
5831	3/16"	100°	3/8"	2 1/2"	-5053G	755.00
5832	3/16"	120°	3/8"	2 1/2"	-5056K	855.00

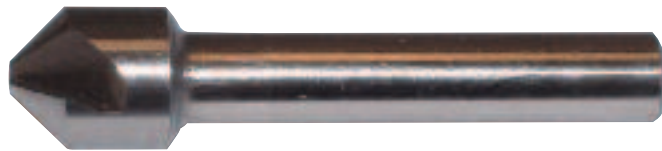
Diameter	Inc. Angle	Body Dia.	Overall Length	Order Code SHR-020	Price/1 TB
3/32"	100°	.190	2 1/2"	-5057L	855.00
1/8"	100°	.252	2 1/2"	-5058M	855.00
5/32"	100°	.340	2 1/2"	-5059N	955.00
3/16"	100°	.405	2 1/2"	-5060P	980.00
1/4"	100°	.530	2 1/2"	-5061Q	1255.00

HSS-Co 5% 3 Flute - Straight Shank

90° Heavy Duty

Manufactured from HSS-E cobalt steel for deburring and chamfering of most metals and plastics.

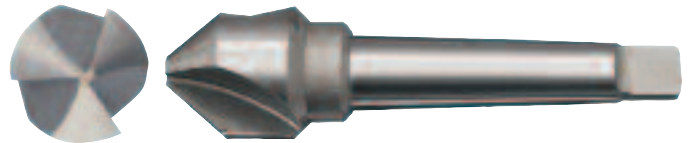
Manufactured to BS328 : Part 5 : 1983.



Cutting Diameter	Shank Diameter	Order Code SHR-020	Price/1 TB
8.0mm	8mm	-0790K	503.00
10.0mm	8mm	-0890K	641.00
12.5mm	8mm	-0990K	783.00
16.0mm	10mm	-1090K	783.00
20.0mm	10mm	-1110K	783.00
25.0mm	10mm	-1130K	899.00

HSS-Co 5% 3 Flute - Taper Shank

90° inclusive angle.



Cutting Diameter	Shank Diameter	Order Code SHR-020	Price/1 TB
16.0mm	1MT	-1550K	4635.00
20.0mm	2MT	-1570K	6309.00
25.0mm	2MT	-1590K	7066.00
31.5mm	2MT	-1690K	8126.00
40.0mm	3MT	-1790K	11845.00
50.0mm	3MT	-1890K	16995.00
63.0mm	4MT	-1920K	19055.00

HSS-Co 5% Multi Flute - Straight Shank

Rose Pattern

Inclusive angle 90°.

Overall length: 52mm.



Cutting Diameter	Shank Diameter	Order Code SHR-020	Price/1 TB
9.5mm	4.8mm	-2040K	480.00
12.7mm	4.8mm	-2060K	500.00
15.8mm	6.3mm	-2080K	690.00

KENNEDY HSS-Co 5% Multi Flute - Straight Shank

Rose Pattern

Inclusive angle 90°.

Overall length: 52mm.



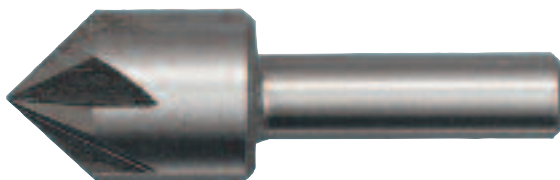
Cutting Diameter	Shank Diameter	Order Code KEN-020	Price/1 TB
9.5mm	4.8mm	-2040K	592.00
12.7mm	4.8mm	-2060K	695.00
15.8mm	6.3mm	-2080K	798.00

HSS-Co 5% Multi Flute - Straight Shank

Heavy Duty

Inclusive angle 90°.

Overall length: 40mm.



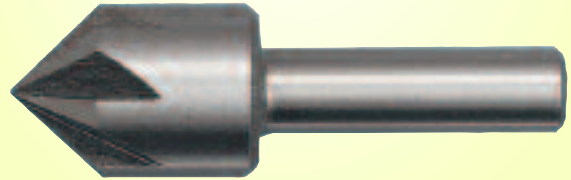
Cutting Diameter	Shank Diameter	Order Code SHR-020	Price/1 TB
12.7mm	6.3mm	-2000K	480.00

HSS-Co 5% Multi Flute - Straight Shank

Heavy Duty

Inclusive angle 90°.

Overall length: 40mm.



Cutting Diameter	Shank Diameter	Order Code KEN-020	Price/1 TB
12.7mm	6.3mm	-2000K	592.00

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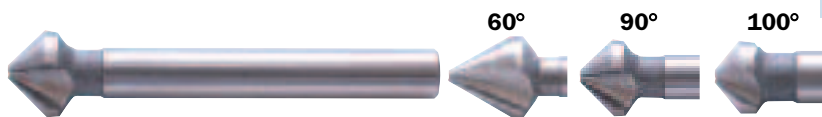
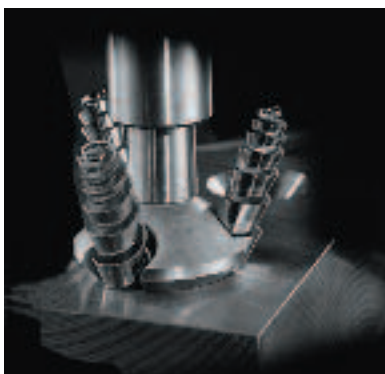
GROUP 020 COUNTERSINKS

SHERWOOD QUALITY CUTTING TOOLS HSS-Co 5% High Performance Countersinks

A chatter-free cutter giving an excellent burr-free finish. Capable of deburring and countersinking in one stroke with no 'back-off' of tool. Also free countersinking of aluminium with no secondary bulge. For special applications and exotic materials, a choice of hard coatings is available.



CUTTING TOOLS



HSS-Co 5%

Cutting Diameter	Shank (mm)	Length (mm)	Weight each	Order Code SHR-020			Price/1 TB
				60° Countersink	90° Countersink	100° Countersink	
6.3mm	5	45		-5950K	-	-5450K	399.00
8.3mm	6	46	12g	-6000K	-5000K	-5500K	385.00
10.4mm	6	47	13g	-6050K	-5050K	-5550K	525.00
12.4mm	8	58	24g	-6100K	-5100K	-5600K	535.00
16.5mm	8	60	29g	-6150K	-5150K	-5650K	795.00
20.5mm	10	65	48g	-6200K	-5200K	-5700K	1215.00
25.0mm	10	69	70g	-6300K	-5250K	-5750K	1530.00

HSS (5% Co) Countersinks

3 Flute - Straight Shank

Manufactured from M35 HSS and used for the deburring and chamfering of most metals and plastics.

Manufactured to **BS 328 : Part 5 : 1983**.

Inclusive angle 82°.

HSS-Co 5%



Cutting Diameter	Shank Diameter	Order Code SHR-020	Price/1 TB
8.5mm	8mm	-7090K	1100.00
10.0mm	8mm	-7100K	1200.00
12.5mm	8mm	-7120K	1460.00
16.0mm	10mm	-7160K	2050.00
20.0mm	10mm	-7200K	2550.00
25.0mm	10mm	-7250K	3500.00

HSS-Co 5% 90° Countersinks

For all ferrous and non-ferrous metals as well as for hard plastics. General purpose chamfering/deburring and countersinking tool. Bright finish, 3 flute, ground all over.

Made to **DIN 335**.

HSS-Co 5%



Cutting Dia.	Shank (mm)	Length (mm)	Order Code SHR-020	Price/1 TB
6.0mm	5	45	-3060E	355.00
6.3mm	5	45	-3063J	355.00
8.3mm	6	50	-3083J	455.00
13.4mm	8	56	-3134Q	455.00
15.0mm	10	60	-3150G	505.00
19.0mm	10	63	-3190T	705.00
23.0mm	10	67	-3223G	905.00
30.0mm	12	71	-3230R	1450.00

KENNEDY HSS (5% Co) Countersinks

3 Flute - Straight Shank

Manufactured from M35 HSS and used for the deburring and chamfering of most metals and plastics.

Manufactured to **BS 328 : Part 5 : 1983**.

Inclusive angle 90°.

HSS-Co 5%



Cutting Diameter	Shank Diameter	Order Code KEN-020	Price/1 TB
8.0mm	8mm	-0790K	464.00
10.0mm	8mm	-0890K	530.00
12.5mm	8mm	-0990K	592.00
16.0mm	10mm	-1090K	695.00
20.0mm	10mm	-1110K	798.00
25.0mm	10mm	-1130K	1029.00

HSS-Co 5% Countersink Set 90°

6 Piece Set

Manufactured from M35 HSS and used for the deburring and chamfering of most metals and plastics.

Straight shank, ground flute 90 angle.

Manufactured to **BS328 : Part 5 : 1983**.

Inclusive angle 90°.

Sizes: 8, 10, 12.5, 16, 20 and 25mm.

HSS-Co 5%



6 PIECES

Number of Pieces	Weight	Order Code KEN-020	Price/1 TB
6	620g	-1160K	3398.00



HSS-Co 5% Countersink Set - 90°

6 Piece Set
High Performance Multi Flute
 Manufactured from HSS-E cobalt for deburring and chamfering. Straight shank, ground flute 90° angle.
 Manufactured to **BS328 : Part 5 : 1983.**
 Inclusive angle 90°.
Sizes: 8, 10, 12.5, 16, 20 and 25mm.

HSS-Co 5%



6
PIECES

Number of Pieces	Inclusive Angle	Order Code SHR-020	Price/1 TB
6	90°	-9010A	3555.00

HSS-Co 5% TiN Coated Countersink Set - 90°

6 Piece Set
High Performance Multi Flute
 Manufactured from HSS-E cobalt for deburring and chamfering. Straight shank, ground flute 90° angle.
 Manufactured to **BS328 : Part 5 : 1983.**
 Inclusive angle 90°.
Sizes: 6, 8, 10, 12.5, 16 and 20mm.

HSS-Co 5%

TiN



6
PIECES

Number of Pieces	Inclusive Angle	Order Code SHR-020	Price/1 TB
6	90°	-8990Y	2800.00

HSS-Co 5% Countersink Set - 100°

5 Piece Set
High Performance Multi Flute
 Manufactured from HSS-E cobalt for deburring and chamfering. Straight shank, ground flute 100° angle.
 Manufactured to **BS328 : Part 5 : 1983.**
 Inclusive angle 100°.
Sizes: 6, 8, 10, 12.5 and 16mm.

HSS-Co 5%



5
PIECES

Number of Pieces	Inclusive Angle	Order Code SHR-020	Price/1 TB
5	100°	-9130A	2600.00

HSS-Co 5% Countersink Set - 60°

5 Piece Set
High Performance Multi Flute
 Manufactured from HSS-E cobalt for deburring and chamfering. Straight shank, ground flute 60° angle.
 Manufactured to **BS328 : Part 5 : 1983.**
Sizes: 6, 8, 10, 12.5 and 16mm.

HSS-Co 5%



5
PIECES

Number of Pieces	Inclusive Angle	Order Code SHR-020	Price/1 TB
5	60°	-8150A	2500.00

KENNEDY Solid Carbide High Performance Premium Countersinks

For the general purpose countersinking of tool steel, cast irons, high silicon aluminium, bronze and non-metallic materials such as resin fibre-glass and laminates. Available in three flute with eccentric relief and six flute with conventional relief.
 Manufactured to **USCTI Standards.**

CARBIDE

3 Flute 90°



* Brazed steel shank

Cutting Diameter	Shank Diameter	Overall Length	Weight each	Order Code KEN-120	Price/1 TB
1/4" (6.3mm)	1/4" (6.3mm)	2" (50mm)	30g	-0790K	980.00
3/8" (9.5mm)	1/4" (6.3mm)*	2 13/16" (73mm)	40g	-0890K	1150.00
1/2" (12.7mm)	1/4" (6.3mm)*	2 7/8" (75mm)	50g	-0990K	1400.00
5/8" (16.0mm)	3/8" (9.5mm)*	3" (76mm)	90g	-1090K	1650.00
3/4" (19.0mm)	1/2" (12.7mm)*	3" (76mm)	130g	-1110K	2100.00

6 Flute 90°



* Brazed steel shank

Cutting Diameter	Shank Diameter	Overall Length	Weight each	Order Code KEN-120	Price/1 TB
1/4" (6.3mm)	1/4" (6.3mm)	2" (50mm)	30g	-1790K	999.00
3/8" (9.5mm)	1/4" (6.3mm)*	2 13/16" (73mm)	40g	-1890K	1150.00
1/2" (12.7mm)	1/4" (6.3mm)*	2 7/8" (75mm)	50g	-1990K	1400.00
5/8" (16.0mm)	3/8" (9.5mm)*	3" (76mm)	90g	-2090K	2950.00
3/4" (19.0mm)	1/2" (12.7mm)*	3" (76mm)	130g	-2110K	3286.00

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