

# Countersinks



## 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".



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

### 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°
UNC/F	ANSI B 18.3	No. 0 to 1"	82°
BSW/F	BS 2470	1/8" TO 1"	90°
BA	BS 2470	8BA TO 0BA	90°

## 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
8.0mm	8mm	-0790K
10.0mm	8mm	-0890K
12.5mm	8mm	-0990K
16.0mm	10mm	-1090K
20.0mm	10mm	-1110K
25.0mm	10mm	-1130K

## HSS-Co 5% Multi Flute - Straight Shank

Rose Pattern  
Inclusive angle 90°. **Overall length: 52mm.**



Cutting Diameter	Shank Diameter	Order Code
9.5mm	4.8mm	-2040K
12.7mm	4.8mm	-2060K
15.8mm	6.3mm	-2080K

## HSS-Co 5% Multi Flute - Straight Shank

Heavy Duty  
Inclusive angle 90°. **Overall length: 40mm.**



Cutting Diameter	Shank Diameter	Order Code
12.7mm	6.3mm	-2000K

## Single Flute Countersinks

**HSS**

A quality range of single flute countersinking bits available in nine individual sizes and as a five piece set for use in the deburring and chamfering of most metals and plastics. Manufactured from high speed steel for durability and performance. Inclusive angle 90°.



Size	Shank Diameter	Overall Length	Order Code
1/4"	1/4"	1 1/2"	-9150K
5/16"	1/4"	2"	-9160K
3/8"	1/4"	2"	-9170K
1/2"	1/2"	2"	-9180K
5/8"	1/2"	2 1/4"	-9190K
3/4"	1/2"	2 3/4"	-9200K
7/8"	1/2"	2 3/4"	-9210K
1"	1/2"	2 3/4"	-9220K
5 Piece Set: 1/4", 3/8", 1/2", 3/4" & 1"			-9250K

## HSS-Co 5% 3 Flute - Taper Shank

90° inclusive angle.



Cutting Diameter	Shank Diameter	Order Code
16.0mm	1MT	-1550K
20.0mm	2MT	-1570K
25.0mm	2MT	-1590K
31.5mm	2MT	-1690K
40.0mm	3MT	-1790K
50.0mm	3MT	-1890K
63.0mm	4MT	-1920K



## HSS-Co 5% Multi Flute - Straight Shank

Rose Pattern  
Inclusive angle 90°. **Overall length: 52mm.**



Cutting Diameter	Shank Diameter	Order Code
9.5mm	4.8mm	-2040K
12.7mm	4.8mm	-2060K
15.8mm	6.3mm	-2080K

## HSS-Co 5% Multi Flute - Straight Shank

Heavy Duty  
Inclusive angle 90°. **Overall length: 40mm.**



Cutting Diameter	Shank Diameter	Order Code
12.7mm	6.3mm	-2000K





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

## HSS-Co 5% 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°.



Cutting Diameter	Shank Diameter	Order Code <b>SHR-020</b>
8.5mm	8mm	-7090K
10.0mm	8mm	-7100K
12.5mm	8mm	-7120K
16.0mm	10mm	-7160K
20.0mm	10mm	-7200K
25.0mm	10mm	-7250K

## 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.**



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

### 5 Piece Set Contents:

6.30, 8.30, 13.40, 15.00 and 19.00mm.

**5**  
PIECES



Order Code **SHR-020**

-9260K

## HSS-Co. 5%



## HSS-Co 5% Countersinks

## HSS-Co. 5%

### 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°.



Cutting Diameter	Shank Diameter	Order Code <b>KEN-020</b>
8.0mm	8mm	-0790K
10.0mm	8mm	-0890K
12.5mm	8mm	-0990K
16.0mm	10mm	-1090K
20.0mm	10mm	-1110K
25.0mm	10mm	-1130K

## HSS-Co 5% Countersink Set 90°

## HSS-Co. 5%

### 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**.

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

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

**6**  
PIECES



Weight

620g

Order Code **KEN-020**

-1160K



## Countersinks



### HSS-Co 5% Countersink Set - 90°

**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**



Inclusive Angle  
90°

Order Code  
**SHR-020**  
-9010A

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

**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**



Inclusive Angle  
90°

Order Code  
**SHR-020**  
-8990Y

### HSS-Co 5% Countersink Set - 100°

**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**



Inclusive Angle  
100°

Order Code  
**SHR-020**  
-9130A

### HSS-Co 5% Countersink Set - 60°

**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**



Inclusive Angle  
60°

Order Code  
**SHR-020**  
-8150A