019|020

# Step Drills & Countersinks

### **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.

HSS-Co. 5%

Manufactured to BS328: Part 5: 1983. Inclusive angle 90°.



Cutting Range (mm)	Shank Dia. (mm)	Overall Length (mm)	Weight each	Order Code KEN-020	
2 - 5	6	32.0	15g	-2090K	
5 - 10	8	30.5	25g	-2100K	
10 - 15	10	37.5	25g	-2150K	
15 - 20	12	48.0	110g	-2200K	
20 - 25	15	56.5	225g	-2250K	

**HSS-E Co 5% Countersinks** Single Hole

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



Cutting Range (mm)	Shank Dia. (mm)	Overall Length (mm)	Weight each	Order Code SHR-020	
2 - 5	6	32.0	15g	-2090K	
5 - 10	8	30.5	25g	-2100K	
10 - 15	10	37.5	25g	-2150K	
15 - 20	12	48.0	110g	-2200K	
20 - 25	15	56.5	225g	-2250K	
25 - 30	15	55.0	315g	-2300K	

# SHERWOOD Thre

# Thread Restoring

Restore internal and external threads by filing, where the use of taps and dies are impractical. The restorer file overlaps several good threads and files the damaged ones. Restore right and left hand, internal and external threads. Long lasting, fast cutting teeth. Thread restoring files are available in ISO, Whit/BSF, UNF/UNC and BSP thread types.





External thread





Thread Type	Range	Weight each	Order Code SHR-017		
ISO	.80 to 3mm	133g	-9020C		
Whit/BSF	10 tpi to 24 tpi	132g	-9001A		
JNF/UNC	11 tpi to 24 tpi	130g	-9010B		
BSP	11 tpi to 28 tpi	127g	-9030D		



### **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



## HSS



PIECES

### HSS-Co 5% Countersink Set Straight shank,

ground flute 90° angle. Sizes: 2 - 5mm, 5 - 10mm, 10 - 15mm, 15 - 20mm, 20 - 25mm and 25 - 30mm.

-	6
90	

Weight	Order Code
each	SHR-020
1.2kg	-9020B

### Range Number Weight Order Code Size SHR-019 (mm) of Steps each 0/5 4 - 12 30g -0500K 4 - 12 9 30g -0509K 0/9 9 70g -0510K 4 - 20 4 - 30 11 200g -0520K 3 6 - 38 12 299g -0530K 4 - 3914 320g -0560K 12 310g -0600K

## **HSS Sheet Metal Step Drill Set**

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 (mm)	Weight	Order Code SHR-019	
3	4 - 30	275g	-0260K	

### **HSS Taper Sheet** & Tube Drills

Produces clean holes in sheet metal and other thin walled materials. No predrilled pilot hole diameter of the hole is variable. Required range of each drill, according to depth of feed.



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

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