



## 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 (mm) | Pilot Dia. | Cutter Dia. | Overall Length | Weight each | Order Code SHR-021 |
|----------------|------------|-------------|----------------|-------------|--------------------|
| 3              | 3.4        | 6           | 65             | 10g         | -3520K             |
| 4              | 4.3        | 8           | 65             | 10g         | -3560K             |
| 5              | 5.3        | 10          | 70             | 10g         | -3580K             |
| 6              | 6.4        | 11          | 76             | 20g         | -3600K             |
| 8              | 8.4        | 15          | 87.3           | 60g         | -3620K             |
| 10             | 10.5       | 18          | 89             | 70g         | -3640K             |
| 12             | 13.0       | 20          | 108            | 110g        | -3660K             |
| 16             | 17.0       | 26          | 125            | 225g        | -3700K             |

## HSS Solid Counterbores - Threaded Shank

To suit bolt ISO Metric/Din Standards.

HSS



Metric

| Bolt Size | Pilot Dia. | Cutter Dia. | Overall Length | Weight each | Order Code SHR-021 |
|-----------|------------|-------------|----------------|-------------|--------------------|
| 3mm       | 3.4        | 6.0         | 65.0           | 10g         | -3030K             |
| 4mm       | 4.3        | 8.0         | 65.0           | 10g         | -3040K             |
| 5mm       | 5.3        | 10.0        | 70.0           | 10g         | -3050K             |
| 6mm       | 6.4        | 11.0        | 76.0           | 20g         | -3060K             |
| 8mm       | 8.4        | 15.0        | 87.3           | 60g         | -3080K             |
| 10mm      | 10.5       | 18.0        | 89.0           | 70g         | -3100K             |
| 12mm      | 13.0       | 20.0        | 108.0          | 110g        | -3120K             |
| 16mm      | 17.0       | 26.0        | 125.0          | 225g        | -3160K             |



## HSS-E 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 |
|---------------|--------------|----------------|--------------|--------------------|
| 3             | 12           | 46             | 15g          | -2528Y             |
| 4             | 12           | 46             | 20g          | -2528Z             |
| 5             | 14           | 62             | 40g          | -2529B             |
| 6             | 16           | 66             | 65g          | -2529A             |
| 8             | 21           | 79             | 135g         | -2530B             |
| 10            | 24           | 89             | 265g         | -2531C             |
| 12            | 30           | 102            | 434g         | -2532D             |
| 14            | 33           | 107            | 625g         | -2532N             |
| 16            | 35           | 115            | 825g         | -2533E             |
| 20            | 40           | 131            | 1490g        | -2534F             |

90° Point 5 Piece Set

Contents 4, 6, 8, 10 & 12mm

-9200K

## Plain Shank Set

Manufactured to BS328 : 5 : 1983.

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

HSS

7  
PIECES



Weight each  
462g

Order Code  
SHR-021  
-9010A

## 120° Point - Series C530

HSS-E



Metric

| Diameter (mm) | Flute Length | Overall Length | Weight per 5 | Order Code SHR-025 |
|---------------|--------------|----------------|--------------|--------------------|
| 6             | 20           | 66             | 100g         | -2535G             |
| 8             | 16           | 79             | 155g         | -2536H             |
| 10            | 21           | 89             | 265g         | -2537J             |
| 12            | 30           | 102            | 434g         | -2538K             |
| 16            | 35           | 115            | 175g         | -2539L             |
| 20            | 40           | 131            | 298g         | -2540M             |

## 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 (mm) | Overall Length (mm) | Weight per 5 | Order Code SHR-158 |
|---------------|-------------------|---------------------|--------------|--------------------|
| 4             | 10                | 40                  | 40g          | -8540K             |
| 6             | 16                | 50                  | 100g         | -8560K             |
| 8             | 23                | 60                  | 155g         | -8580K             |
| 10            | 24                | 70                  | 265g         | -8600K             |
| 12            | 25                | 70                  | 434g         | -8620K             |

## 90° Point Set

Contents: 4.00, 6.00, 8.00, 10.00 and 12.00

HSS TiN-tip

5  
PIECES



Weight each  
300g

Order Code  
SWT-125  
-5190A



## HSS TiN Tipped Spotting Drills

HSS TiN-tip

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.



Metric

| Diameter (mm) | Flute Length | Overall Length | Weight per 5 | Order Code SWT-125 |
|---------------|--------------|----------------|--------------|--------------------|
| 4             | 12           | 46             | 20g          | -5180A             |
| 5             | 14           | 62             | 40g          | -5181A             |
| 6             | 16           | 66             | 65g          | -5182A             |
| 8             | 21           | 79             | 135g         | -5183A             |
| 10            | 24           | 89             | 265g         | -5184A             |
| 12            | 30           | 102            | 434g         | -5185A             |
| 16            | 35           | 115            | 175g         | -5187A             |