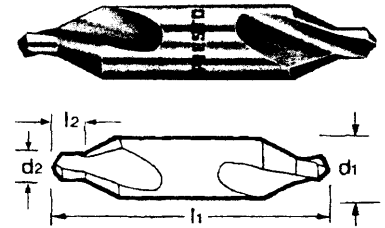


**CENTRE DRILLS TYPE A****Combined Drills & Countersinks**

BS 328 DIN 333A ISO 886



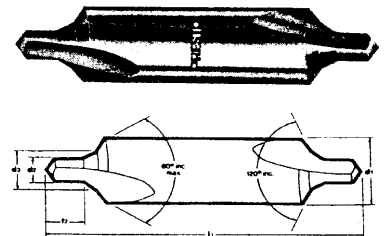
|                             | Range                             | Finish           |
|-----------------------------|-----------------------------------|------------------|
| <b>07 000</b> HSSE- 2.5% Co | BS1-BS7<br>3.15mm-16.00mm         | Bright<br>Bright |
| <b>07 030</b> HSSE- 2.5% Co | Left Hand<br>BS1-BS5              | Bright           |
|                             | Angle of Countersink 60° Included |                  |

| Size No | Body Dia<br>in<br>d <sub>1</sub> | Drill Point Dia<br>in<br>d <sub>2</sub> | Point Length                |                             | Overall Length<br>in<br>l <sub>1</sub> | 07 000 |   | 07 030                      |                             | Pilot Length                |                             | Overall Length |      | Availability |
|---------|----------------------------------|-----------------------------------------|-----------------------------|-----------------------------|----------------------------------------|--------|---|-----------------------------|-----------------------------|-----------------------------|-----------------------------|----------------|------|--------------|
|         |                                  |                                         | Max<br>in<br>l <sub>2</sub> | Min<br>in<br>l <sub>2</sub> |                                        |        |   | Max<br>mm<br>l <sub>2</sub> | Min<br>mm<br>l <sub>2</sub> | Max<br>mm<br>l <sub>1</sub> | Min<br>mm<br>l <sub>1</sub> |                |      |              |
| BS1     | 1/8                              | 3/64                                    | 5/64                        | 1/16                        | 1.1/2                                  | ●      | ● | 3.15                        | 1.0                         | 1.9                         | 1.3                         | 33.5           | 29.5 | ●            |
| BS2     | 3/16                             | 1/16                                    | 3/32                        | 5/64                        | 1.3/4                                  | ●      | ● | 3.15*                       | (1.25)                      | 2.2                         | 1.6                         | 33.5           | 29.5 | ●            |
| BS3     | 1/4                              | 3/32                                    | 5/32                        | 1/8                         | 2                                      | ●      | ● | 4.0                         | 1.6                         | 2.8                         | 2.0                         | 37.5           | 33.5 | ●            |
| BS4     | 5/16                             | 1/8                                     | 3/16                        | 5/32                        | 2.1/4                                  | ●      | ● | 5.0                         | 2.0                         | 3.3                         | 2.5                         | 42.0           | 38.0 | ●            |
| BS5     | 7/16                             | 3/16                                    | 9/32                        | 1/4                         | 2.1/2                                  | ●      | ● | 6.3                         | 2.5                         | 4.1                         | 3.1                         | 47.0           | 43.0 | ●            |
| BS6     | 5/8                              | 1/4                                     | 3/8                         | 5/16                        | 3                                      | ●      | ● | 8.0                         | 3.15                        | 4.9                         | 3.9                         | 52.0           | 48.0 | ●            |
| BS7     | 3/4                              | 5/16                                    | 15/32                       | 13/32                       | 3.1/2                                  | ●      | ● | 10.0                        | 4.0                         | 6.2                         | 5.0                         | 59.0           | 53.0 | ●            |
|         |                                  |                                         |                             |                             |                                        |        |   | 12.5*                       | (5.0)                       | 7.5                         | 6.3                         | 66.0           | 60.0 | ●            |
|         |                                  |                                         |                             |                             |                                        |        |   | 16.0                        | 6.3                         | 9.2                         | 8.0                         | 74.0           | 68.0 | ●            |

\* Non-recommended sizes

**CENTRE DRILLS TYPE B****Combined Drills & Countersinks**

BS 328 DIN 333 ISO 2540



|                             | Range                   | Finish           |
|-----------------------------|-------------------------|------------------|
| <b>07 020</b> HSSE- 2.5% Co | 1B-7B<br>4.00mm-20.00mm | Bright<br>Bright |

Angle of Countersink is 60° included for centre hole with protecting chamfer.

Bell Type

| Size No | Body Dia<br>in<br>d <sub>1</sub> | Drill Point Dia<br>in<br>d <sub>2</sub> | Point Length<br>Max<br>in<br>l <sub>2</sub> | Min<br>in<br>l <sub>2</sub> | Dia at top of Cntrsink<br>in<br>d <sub>3</sub> | Overall Length<br>in<br>l <sub>1</sub> | Availability |
|---------|----------------------------------|-----------------------------------------|---------------------------------------------|-----------------------------|------------------------------------------------|----------------------------------------|--------------|
| 1B      | 1/8                              | 3/64                                    | 5/64                                        | 1/16                        | .075                                           | 1.1/2                                  | ●            |
| 2B      | 3/16                             | 1/16                                    | 3/32                                        | 5/64                        | .112                                           | 1.3/4                                  | ●            |
| 3B      | 1/4                              | 3/32                                    | 5/32                                        | 1/8                         | .150                                           | 2                                      | ●            |
| 4B      | 5/16                             | 7/64                                    | 3/16                                        | 5/32                        | .188                                           | 2.1/4                                  | ●            |
| 5B      | 7/16                             | 5/32                                    | 1/4                                         | 7/32                        | .262                                           | 2.1/2                                  | ●            |
| 6B      | 5/8                              | 7/32                                    | 11/32                                       | 9/32                        | .375                                           | 3                                      | ●            |
| 7B      | 3/4                              | 1/4                                     | 13/32                                       | 11/32                       | .450                                           | 3.1/2                                  | ●            |

| Body Dia<br>mm<br>d <sub>1</sub> | Drill Point Dia<br>mm<br>d <sub>2</sub> k12 | Pilot Length<br>Max<br>mm<br>l <sub>2</sub> | Min<br>mm<br>l <sub>2</sub> | Dia at top of Cntrsink<br>mm<br>d <sub>3</sub> | Overall Length<br>Max<br>mm<br>l <sub>1</sub> | Min<br>mm<br>l <sub>1</sub> | Availability |
|----------------------------------|---------------------------------------------|---------------------------------------------|-----------------------------|------------------------------------------------|-----------------------------------------------|-----------------------------|--------------|
| 4.0                              | 1.0                                         | 1.9                                         | 1.3                         | 2.12                                           | 37.5                                          | 33.5                        | ●            |
| 6.3                              | 1.6                                         | 2.8                                         | 2.0                         | 3.35                                           | 47.0                                          | 43.0                        | ●            |
| 8.0                              | 2.0                                         | 3.3                                         | 2.5                         | 4.25                                           | 52.0                                          | 48.0                        | ●            |
| 10.0                             | 2.5                                         | 4.1                                         | 3.1                         | 5.3                                            | 59.0                                          | 53.0                        | ●            |
| 11.2                             | 3.15                                        | 4.9                                         | 3.9                         | 6.7                                            | 63.0                                          | 57.0                        | ●            |
| 14.0                             | 4.0                                         | 6.2                                         | 5.0                         | 8.5                                            | 70.0                                          | 64.0                        | ●            |
| 18.0*                            | (5.0)                                       | 7.5                                         | 6.3                         | 10.6                                           | 78.0                                          | 72.0                        | ●            |
| 20.0                             | 6.3                                         | 9.2                                         | 8.0                         | 13.2                                           | 83.0                                          | 77.0                        | ●            |

\* Non-recommended sizes