



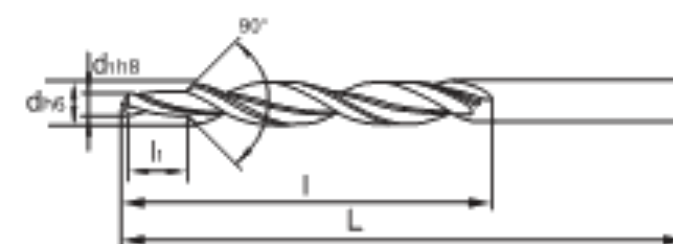
ITEM: A1780

|                 |                                                                 |
|-----------------|-----------------------------------------------------------------|
| <b>Geometry</b> | Rake angles and offset angles designed for steels and cast iron |
|-----------------|-----------------------------------------------------------------|

Point angle  $140^\circ$ 

|                   |         |
|-------------------|---------|
| Surface treatment | Durable |
|-------------------|---------|

|                    |                                                                                                           |
|--------------------|-----------------------------------------------------------------------------------------------------------|
| <b>Application</b> | For tapping pre-holes and countersinking on materials as carbon steels, cast iron and non ferrous metals. |
|--------------------|-----------------------------------------------------------------------------------------------------------|



|       |       |        |       |       |        |       |       |          |          |                 |                |         |     |      |      |
|-------|-------|--------|-------|-------|--------|-------|-------|----------|----------|-----------------|----------------|---------|-----|------|------|
| < 500 | < 850 | < 1200 | < 600 | < 850 | Duplex | < 240 | < 300 | < 10% Si | > 10% Si | Brass<br>Copper | Bronze<br>>700 | Ti6Al4V | HTA | < 45 | < 60 |
| ●     | ●     | ●      | ○     | ○     | ○      | ●     | ●     | ●        | ●        |                 |                | ○       |     | ○    |      |

## MANUFACTURING STANDARD

|           |                   |  |           |          |         |          |         |         |                                                                                     |
|-----------|-------------------|--|-----------|----------|---------|----------|---------|---------|-------------------------------------------------------------------------------------|
| A1780     | <b>Tech. Code</b> |  | Threading | d1<br>mm | d<br>mm | l1<br>mm | l<br>mm | L<br>mm |  |
| HELIX NIX | A1780M3           |  | M3        | 2.5      | 6       | 8.8      | 20      | 66      | 1                                                                                   |
|           | A1780M4           |  | M4        | 3.3      |         | 11.4     | 24      |         |                                                                                     |
|           | A1780M5           |  | M5        | 4.2      |         | 13.6     | 28      |         |                                                                                     |
|           | A1780M6           |  | M6        | 5.0      | 8       | 16.5     | 34      | 79      |                                                                                     |
|           | A1780M8           |  | M8        | 6.8      | 10      | 21.0     | 47      | 89      |                                                                                     |
|           | A1780M10          |  | M10       | 8.5      | 12      | 25.5     | 55      | 102     |                                                                                     |
|           | A1780M12          |  | M12       | 10.2     | 14      | 30.0     | 60      | 107     |                                                                                     |
|           | A1780M14          |  | M14       | 12.0     | 16      | 34.5     | 65      | 115     |                                                                                     |
|           | A1780M16          |  | M16       | 14.0     | 18      | 38.5     | 73      | 123     |                                                                                     |

**BOXES FOR JOBBER DRILLS SET - EMPTY**

ITEM: A1790

|       |                   |  |                                        |
|-------|-------------------|--|----------------------------------------|
| A1790 | <b>Tech. Code</b> |  | Description                            |
|       | <b>A179019</b>    |  | Empty box for 19 pcs set jobber drills |
|       | <b>A179025</b>    |  | Empty box for 25 pcs set jobber drills |
|       | <b>A179041</b>    |  | Empty box for 41 pcs set jobber drills |
|       | <b>A179050</b>    |  | Empty box for 50 pcs set jobber drills |