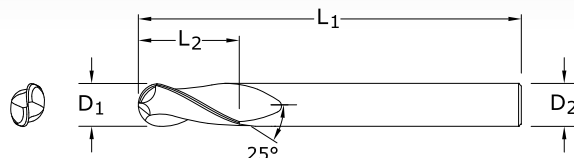
**TOLERANCES (inch)** $D_1 = +0.0000/-0.0020$  $D_2 = h_6$ **59B**  
FRACTIONAL SERIES

TECH INFO 139

| inch                      |                        |                         |                         | EDP NO.         |                    |                     |
|---------------------------|------------------------|-------------------------|-------------------------|-----------------|--------------------|---------------------|
| CUTTING DIAMETER<br>$D_1$ | LENGTH OF CUT<br>$L_2$ | OVERALL LENGTH<br>$L_1$ | SHANK DIAMETER<br>$D_2$ | Ti-NAMITE (TiN) | Ti-NAMITE-C (TiCN) | Ti-NAMITE-A (AlTiN) |
| 1/8                       | 3/8                    | 2-1/2                   | 1/4                     | 32210           | 32290              | 32200               |
| 3/16                      | 9/16                   | 3                       | 1/4                     | 32211           | 32291              | 32201               |
| 1/4                       | 5/8                    | 3-1/2                   | 1/4                     | 32212           | 32292              | 32202               |
| 5/16                      | 11/16                  | 4                       | 5/16                    | 32213           | 32293              | 32203               |
| 3/8                       | 7/8                    | 4                       | 3/8                     | 32214           | 32294              | 32204               |
| 1/2                       | 1                      | 4-1/2                   | 1/2                     | 32215           | 32295              | 32205               |
| 5/8                       | 1-1/8                  | 5                       | 5/8                     | 32216           | 32296              | 32206               |
| 3/4                       | 1-3/8                  | 5-1/4                   | 3/4                     | 32217           | 32297              | 32207               |

STEELS

STAINLESS STEELS

CAST IRON

HIGH TEMP ALLOYS

TITANIUM

NON-FERROUS

PLASTICS/COMPOSITES

**TOLERANCES (mm)** $D_1 = +0.000/-0.050$  $D_2 = h_6$ **59MB**  
METRIC SERIES

TECH INFO 141

| mm                        |                        |                         |                         | EDP NO.  |                 |                    |                     |
|---------------------------|------------------------|-------------------------|-------------------------|----------|-----------------|--------------------|---------------------|
| CUTTING DIAMETER<br>$D_1$ | LENGTH OF CUT<br>$L_2$ | OVERALL LENGTH<br>$L_1$ | SHANK DIAMETER<br>$D_2$ | UNCOATED | Ti-NAMITE (TiN) | Ti-NAMITE-C (TiCN) | Ti-NAMITE-A (AlTiN) |
| 3,0                       | 9,0                    | 60,0                    | 6,0                     | 43900    | 49622           | 49632              | 49642               |
| 4,0                       | 12,0                   | 70,0                    | 6,0                     | 43901    | 49623           | 49633              | 49643               |
| 6,0                       | 15,0                   | 80,0                    | 6,0                     | 43902    | 49624           | 49634              | 49644               |
| 8,0                       | 20,0                   | 89,0                    | 8,0                     | 43903    | 49625           | 49635              | 49645               |
| 10,0                      | 25,0                   | 100,0                   | 10,0                    | 43904    | 49626           | 49636              | 49646               |
| 12,0                      | 30,0                   | 110,0                   | 12,0                    | 43905    | 49627           | 49637              | 49647               |
| 14,0                      | 35,0                   | 120,0                   | 16,0                    | 43906    | 49628           | 49638              | 49648               |
| 16,0                      | 40,0                   | 120,0                   | 16,0                    | 43907    | 49629           | 49639              | 49649               |
| 18,0                      | 40,0                   | 130,0                   | 20,0                    | 43908    | 49630           | 49640              | 49650               |
| 20,0                      | 45,0                   | 130,0                   | 20,0                    | 43909    | 49631           | 49641              | 49651               |

Neck Option Available