# Shank Types

### FG (Friction Grip)

Shank Diameter
.0630" 1.60mm
Overall Length
.748" 19.0mm

Friction grip burs are used in high speed hand pieces. In most offices, they are the main operative burs.

### RA (Right Angle)

Shank Diameter
.0925" 2.35mm
Overall Length
.886" 22.5mm

Right angle burs, used in slow speed hand pieces, allow for greater control and feel when cutting enamel or dentin.

### SS (FG Short Shank)

Shank Diameter
.0630" 1.60mm
Overall Length
.670" 17.0mm

Short shanks are used for greater access in the posterior region - particularly when patients do not have the ability to open their mouths wide enough.

### RA SL (Right Angle Surgical Length)

Shank Diameter
.0925" 2.35mm
Overall Length
1.024" 26.0mm

### FG SL (FG Surgical Length)

Shank Diameter
.0630" 1.60mm
Overall Length
.984" 25.0mm

Surgical length burs are used when greater length and visibility are required. They are ideal for extraction and root canal procedures.

### HP (Hand Piece)

Shank Diameter
.0925" 2.35mm
Overall Length
1.752" 44.5mm

Hand piece burs are used in dental laboratories as well as in extraction procedures where greater access is required.

### Carbide Burs - Maximum Head Diameters in Millimeters & Inches

| Bur # | MM | Inch | Bur # | MM | Inch | Bur # | MM | Inch | Bur # | MM | Inch | Bur# | MM | Inch |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/4 | .51 | .20 | 1P | .79 | .031 | 34 | .9 | 0.31 | 59 | 1.40 | .055 | 1558 | 1.19 | .047 |
| 1/2 | .61 | .024 | 2P | .99 | .039 | 35 | .99 | .039 | 556 | .79 | .031 | 558L | 1.19 | .047 |
| 1 | .79 | .03 | 4P | 1.40 | .0551 | 36 | 1.19 | 0.47 | 1156 | .79 | .031 | 559 | 1.40 | .055 |
| 2 | .99 | .039 | 329 | .61 | .024 | 37 | 1.40 | .055 | 1556 | .79 | .031 | 560 | 1.60 | .063 |
| 3 | 1.19 | .047 | 330 | .79 | .031 | 37L | 1.40 | .055 | 556L | .79 | .031 | 956 | .79 | .031 |
| 4 | 1.40 | .055 | 331 | .99 | .039 | 38 | 1.60 | .063 | 557 | .99 | .039 | 957 | .99 | .039 |
| 5 | 1.60 | .063 | 331L | .99 | .039 | 39 | .071 | 1.80 | 1157 | .99 | .039 | 244 | .69 | .027 |
| 6 | 1.80 | .071 | 332 | 1.19 | .047 | 56 | .79 | .031 | 1557 | .99 | .039 | 245 | .89 | .035 |
| 7 | 2.11 | .083 | 332L | 1.19 | .047 | 57 | .99 | .039 | 557L | .99 | .039 | 246 | 1.09 | .043 |
| 8 | 2.1 | .091 | 14 | 1.19 | .047 | 57L | .99 | .39 | 558 | 1.19 | .047 | 256 | .81 | .032 |
| 1/2P | .61 | .024 | 33 1/2 | .61 | .024 | 58 | 1.19 | .047 | 1158 | 1.19 | .047 | 257 | 1.09 | .043 |
| | | | | | | | | | | | | 271 | 1.40 | .055 |

### Taper Fissure Carbide Burs - Tip Maximum Head Diameters in Millimeters & Inches

| | Tip Diameter | | Max Diameter | | | Tip Diameter | | Max Diameter | | | Tip Diameter | | Max Diameter | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bur # | MM | Inch | MM | Inch | Bur # | MM | Inch | MM | Inch | Bur # | MM | Inch | MM | Inch |
| 169 | .46 | .018 | .89 | .035 | 699 | .46 | .018 | .89 | .035 | 702 | 1.12 | .044 | 1.60 | .063 |
| 169L | .46 | .018 | .89 | .035 | 700 | .56 | .022 | .99 | .039 | 703 | 1.55 | .061 | 2.06 | .081 |
| 170 | .56 | .022 | .99 | .039 | 700L | .56 | .022 | .99 | 0.39 | 1170 | .64 | .025 | .99 | .039 |
| 170L | .56 | .022 | .99 | .039 | 701 | .76 | .030 | 1.19 | .047 | 1171 | .81 | .032 | 1.19 | .047 |
| 171 | .76 | .030 | 1.19 | .047 | 701L | .76 | .030 | 1.19 | .047 | | | | | |