

## SOA SFR Tooling Kit References

### 3/16" Diameter

| Name<br>ABS1418            | R1<br>ABS1418 X             | R2<br>ABS1418 Y             | Group | SOA Kit #   |
|----------------------------|-----------------------------|-----------------------------|-------|-------------|
| ABS1418 ( ) 3 - (3 to 8)   |                             |                             | 1     | KTL-SFR-3G1 |
| ABS1418 ( ) 3 - (9 to 16)  | ABS1418 ( ) 3X - (3 to 8)   |                             | 2     | KTL-SFR-3G2 |
| ABS1418 ( ) 3 - (17 to 24) | ABS1418 ( ) 3X - (9 to 16)  | ABS1418 ( ) 3Y - (3 to 8)   | 3     | KTL-SFR-3G3 |
|                            | ABS1418 ( ) 3X - (17 to 24) | ABS1418 ( ) 3Y - (9 to 16)  | 4     | KTL-SFR-3G4 |
|                            |                             | ABS1418 ( ) 3Y - (17 to 24) | 5     | KTL-SFR-3G5 |

## SOA Complete SFR Kit Table



| SOA Kit #   | SFR         | BG      | CDG      | TGB | PG  | CC100   | CC60   | RMA   | HAM | BGH |
|-------------|-------------|---------|----------|-----|-----|---------|--------|-------|-----|-----|
| KTL-SFR-3G1 | SFR3G1-3TL0 | BG3G1TL | CDG3G1TL | -   | PG3 | CC100-0 | CC60-0 | RMA-0 | -   | -   |
| KTL-SFR-3G2 | SFR3G1-3TL0 | BG3G2TL | CDG3G2TL | -   | PG3 | CC100-0 | CC60-0 | RMA-0 | -   | -   |
| KTL-SFR-3G3 | SFR3G1-3TL0 | BG3G3TL | CDG3G3TL | -   | PG3 | CC100-0 | CC60-0 | RMA-0 | -   | -   |
| KTL-SFR-3G4 | SFR3G3-5TL0 | BG3G4TL | CDG3G4TL | -   | PG3 | CC100-0 | CC60-0 | RMA-0 | -   | -   |
| KTL-SFR-3G5 | SFR3G3-5TL0 | BG3G5TL | CDG3G5TL | -   | PG3 | CC100-0 | CC60-0 | RMA-0 | -   | -   |

## SOA SFR Tooling Kit References

### 1/4" Diameter

| Name<br>ABS1418            | R1<br>ABS1418 X             | R2<br>ABS1418 Y             | Group | SOA Kit #   |
|----------------------------|-----------------------------|-----------------------------|-------|-------------|
| ABS1418 ( ) 4 - (3 to 10)  |                             |                             | 1     | KTL-SFR-4G1 |
| ABS1418 ( ) 4 - (11 to 20) | ABS1418 ( ) 4X - (3 to 10)  |                             | 2     | KTL-SFR-4G2 |
| ABS1418 ( ) 4 - (21 to 30) | ABS1418 ( ) 4X - (11 to 20) | ABS1418 ( ) 4Y - (3 to 10)  | 3     | KTL-SFR-4G3 |
| ABS1418 ( ) 4 - (31 to 33) | ABS1418 ( ) 4X - (21 to 30) | ABS1418 ( ) 4Y - (11 to 20) | 4     | KTL-SFR-4G4 |
|                            | ABS1418 ( ) 4X - (31 to 33) | ABS1418 ( ) 4Y - (21 to 30) | 5     | KTL-SFR-4G5 |
|                            |                             | ABS1418 ( ) 4Y - (31 to 33) | 6     | KTL-SFR-4G6 |

## SOA Complete SFR Kit Table



| SOA Kit #   | SFR         | BG      | CDG      | TGB      | PG  | CC100   | CC60   | RMA   | HAM    | BGH     |
|-------------|-------------|---------|----------|----------|-----|---------|--------|-------|--------|---------|
| KTL-SFR-4G1 | SFR4G1-3TL1 | BG4G1TL | CDG4G1TL | TGB4G1TL | PG4 | CC100-1 | CC60-0 | RMA-1 | HAMT-5 | BGH-125 |
| KTL-SFR-4G2 | SFR4G1-3TL1 | BG4G2TL | CDG4G2TL | TGB4G2TL | PG4 | CC100-1 | CC60-0 | RMA-1 | HAMT-5 | BGH-125 |
| KTL-SFR-4G3 | SFR4G1-3TL1 | BG4G3TL | CDG4G3TL | TGB4G3TL | PG4 | CC100-1 | CC60-0 | RMA-1 | HAMT-5 | BGH-125 |
| KTL-SFR-4G4 | SFR4G3-6TL1 | BG4G4TL | CDG4G4TL | TGB4G4TL | PG4 | CC100-1 | CC60-0 | RMA-1 | HAMT-5 | BGH-125 |
| KTL-SFR-4G5 | SFR4G3-6TL1 | BG4G5TL | CDG4G5TL | TGB4G5TL | PG4 | CC100-1 | CC60-0 | RMA-1 | HAMT-5 | BGH-125 |
| KTL-SFR-4G6 | SFR4G3-6TL1 | BG4G6TL | CDG4G6TL | TGB4G6TL | PG4 | CC100-1 | CC60-0 | RMA-1 | HAMT-5 | BGH-125 |

## SOA SFR Tooling Kit References

### 5/16" Diameter

| Name<br>ABS1418            | R1<br>ABS1418 X             | R2<br>ABS1418 Y             | Group | SOA Kit #   |
|----------------------------|-----------------------------|-----------------------------|-------|-------------|
| ABS1418 ( ) 5 - (3 to 11)  |                             |                             | 1     | KTL-SFR-5G1 |
| ABS1418 ( ) 5 - (12 to 22) | ABS1418 ( ) 5X - (3 to 11)  |                             | 2     | KTL-SFR-5G2 |
| ABS1418 ( ) 5 - (23 to 33) | ABS1418 ( ) 5X - (12 to 22) | ABS1418 ( ) 5Y - (3 to 11)  | 3     | KTL-SFR-5G3 |
|                            | ABS1418 ( ) 5X - (23 to 33) | ABS1418 ( ) 5Y - (12 to 22) | 4     | KTL-SFR-5G4 |
|                            |                             | ABS1418 ( ) 5Y - (23 to 33) | 5     | KTL-SFR-5G5 |

## SOA Complete SFR Kit Table



| SOA Kit #   | SFR         | BG      | CDG      | TGB      | PG  | CC100   | CC60   | RMA   | HAM    | BGH     |
|-------------|-------------|---------|----------|----------|-----|---------|--------|-------|--------|---------|
| KTL-SFR-5G1 | SFR5G1-3TL1 | BG3G1TL | CDG5G1TL | TGB5G1TL | PG5 | CC100-1 | CC60-0 | RMA-1 | HAMT-5 | BGH-125 |
| KTL-SFR-5G2 | SFR5G1-3TL1 | BG3G2TL | CDG5G2TL | TGB5G2TL | PG5 | CC100-1 | CC60-0 | RMA-1 | HAMT-5 | BGH-125 |
| KTL-SFR-5G3 | SFR5G1-3TL1 | BG3G3TL | CDG5G3TL | TGB5G3TL | PG5 | CC100-1 | CC60-0 | RMA-1 | HAMT-5 | BGH-125 |
| KTL-SFR-5G4 | SFR5G3-5TL1 | BG3G4TL | CDG5G4TL | TGB5G4TL | PG5 | CC100-1 | CC60-0 | RMA-1 | HAMT-5 | BGH-125 |
| KTL-SFR-5G5 | SFR5G3-5TL1 | BG3G5TL | CDG5G5TL | TGB5G5TL | PG5 | CC100-1 | CC60-0 | RMA-1 | HAMT-5 | BGH-125 |

## SOA SFR Tooling Kit References

### 3/8" Diameter

| Name<br>ABS1418            | R1<br>ABS1418 X             | R2<br>ABS1418 Y             | Group | SOA Kit #   |
|----------------------------|-----------------------------|-----------------------------|-------|-------------|
| ABS1418 ( ) 6 - (4 to 12)  |                             |                             | 1     | KTL-SFR-6G1 |
| ABS1418 ( ) 6 - (13 to 24) | ABS1418 ( ) 6X - (4 to 12)  |                             | 2     | KTL-SFR-6G2 |
| ABS1418 ( ) 6 - (25 to 36) | ABS1418 ( ) 6X - (13 to 24) | ABS1418 ( ) 6Y - (4 to 12)  | 3     | KTL-SFR-6G3 |
| ABS1418 ( ) 6 - (37 to 48) | ABS1418 ( ) 6X - (25 to 36) | ABS1418 ( ) 6Y - (13 to 24) | 4     | KTL-SFR-6G4 |
|                            | ABS1418 ( ) 6X - (37 to 48) | ABS1418 ( ) 6Y - (25 to 36) | 5     | KTL-SFR-6G5 |
|                            |                             | ABS1418 ( ) 6Y - (37 to 48) | 6     | KTL-SFR-6G6 |

## SOA Complete SFR Kit Table



| SOA Kit #   | SFR         | BG      | CDG      | TGB      | PG  | CC100   | CC60   | RMA   | HAM    | BGH     |
|-------------|-------------|---------|----------|----------|-----|---------|--------|-------|--------|---------|
| KTL-SFR-6G1 | SFR6G1-3TL1 | BG6G1TL | CDG6G1TL | TGB6G1TL | PG6 | CC100-2 | CC60-1 | RMA-1 | HAMT-5 | BGH-165 |
| KTL-SFR-6G2 | SFR6G1-3TL1 | BG6G2TL | CDG6G2TL | TGB6G2TL | PG6 | CC100-2 | CC60-1 | RMA-1 | HAMT-5 | BGH-165 |
| KTL-SFR-6G3 | SFR6G1-3TL1 | BG6G3TL | CDG6G3TL | TGB6G3TL | PG6 | CC100-2 | CC60-1 | RMA-1 | HAMT-5 | BGH-165 |
| KTL-SFR-6G4 | SFR6G3-6TL1 | BG6G4TL | CDG6G4TL | TGB6G4TL | PG6 | CC100-2 | CC60-1 | RMA-1 | HAMT-5 | BGH-165 |
| KTL-SFR-6G5 | SFR6G3-6TL1 | BG6G5TL | CDG6G5TL | TGB6G5TL | PG6 | CC100-2 | CC60-1 | RMA-1 | HAMT-5 | BGH-165 |
| KTL-SFR-6G6 | SFR6G3-6TL1 | BG6G6TL | CDG6G6TL | TGB6G6TL | PG6 | CC100-2 | CC60-1 | RMA-1 | HAMT-5 | BGH-165 |

## SOA SFR Tooling Kit References

**7/16" Diameter**

| Name<br>ABS1418            | R1<br>ABS1418 X             | R2<br>ABS1418 Y             | Group | SOA Kit #   |
|----------------------------|-----------------------------|-----------------------------|-------|-------------|
| ABS1418 ( ) 7 - (5 to 14)  |                             |                             | 1     | KTL-SFR-7G1 |
| ABS1418 ( ) 7 - (15 to 28) | ABS1418 ( ) 7X - (5 to 14)  |                             | 2     | KTL-SFR-7G2 |
| ABS1418 ( ) 7 - (29 to 42) | ABS1418 ( ) 7X - (15 to 28) | ABS1418 ( ) 7Y - (5 to 14)  | 3     | KTL-SFR-7G3 |
| ABS1418 ( ) 7 - (43 to 56) | ABS1418 ( ) 7X - (29 to 42) | ABS1418 ( ) 7Y - (15 to 28) | 4     | KTL-SFR-7G4 |
|                            | ABS1418 ( ) 7X - (43 to 56) | ABS1418 ( ) 7Y - (29 to 42) | 5     | KTL-SFR-7G5 |
|                            |                             | ABS1418 ( ) 7Y - (43 to 56) | 6     | KTL-SFR-7G6 |

## SOA Complete SFR Kit Table



| SOA Kit #   | SFR         | BG      | CDG      | TGB      | PG  | CC100   | CC60   | RMA   | HAM    | BGH     |
|-------------|-------------|---------|----------|----------|-----|---------|--------|-------|--------|---------|
| KTL-SFR-7G1 | SFR7G1-3TL2 | BG7G1TL | CDG7G1TL | TGB7G1TL | PG7 | CC100-2 | CC60-1 | RMA-1 | HAMT-5 | BGH-165 |
| KTL-SFR-7G2 | SFR7G1-3TL2 | BG7G2TL | CDG7G2TL | TGB7G2TL | PG7 | CC100-2 | CC60-1 | RMA-1 | HAMT-5 | BGH-165 |
| KTL-SFR-7G3 | SFR7G1-3TL2 | BG7G3TL | CDG7G3TL | TGB7G3TL | PG7 | CC100-2 | CC60-1 | RMA-1 | HAMT-5 | BGH-165 |
| KTL-SFR-7G4 | SFR7G3-6TL2 | BG7G4TL | CDG7G4TL | TGB7G4TL | PG7 | CC100-2 | CC60-1 | RMA-2 | HAMT-5 | BGH-165 |
| KTL-SFR-7G5 | SFR7G3-6TL2 | BG7G5TL | CDG7G5TL | TGB7G5TL | PG7 | CC100-2 | CC60-1 | RMA-2 | HAMT-5 | BGH-165 |
| KTL-SFR-7G6 | SFR7G3-6TL2 | BG7G6TL | CDG7G6TL | TGB7G6TL | PG7 | CC100-2 | CC60-1 | RMA-2 | HAMT-5 | BGH-165 |

# SOA SFR Tooling Kit References

## 1/2" Diameter

| Name<br>ABS1418            | R1<br>ABS1418 X             | R2<br>ABS1418 Y             | Group | SOA Kit #   |
|----------------------------|-----------------------------|-----------------------------|-------|-------------|
| ABS1418 ( ) 8 - (5 to 16)  |                             |                             | 1     | KTL-SFR-8G1 |
| ABS1418 ( ) 8 - (17 to 32) | ABS1418 ( ) 8X - (5 to 16)  |                             | 2     | KTL-SFR-8G2 |
| ABS1418 ( ) 8 - (33 to 48) | ABS1418 ( ) 8X - (17 to 32) | ABS1418 ( ) 8Y - (5 to 16)  | 3     | KTL-SFR-8G3 |
| ABS1418 ( ) 8 - (49 to 64) | ABS1418 ( ) 8X - (33 to 48) | ABS1418 ( ) 8Y - (17 to 32) | 4     | KTL-SFR-8G4 |
|                            | ABS1418 ( ) 8X - (49 to 64) | ABS1418 ( ) 8Y - (33 to 48) | 5     | KTL-SFR-8G5 |
|                            |                             | ABS1418 ( ) 8Y - (49 to 64) | 6     | KTL-SFR-8G6 |

## SOA Complete SFR Kit Table



| SOA Kit #   | SFR         | BG      | CDG      | TGB      | PG  | CC100   | CC60   | RMA   | HAM    | BGH       |
|-------------|-------------|---------|----------|----------|-----|---------|--------|-------|--------|-----------|
| KTL-SFR-8G1 | SFR8G1-3TL2 | BG8G1TL | CDG8G1TL | TGB8G1TL | PG8 | CC100-2 | CC60-1 | RMA-2 | HAMT-5 | BGH-225-A |
| KTL-SFR-8G2 | SFR8G1-3TL2 | BG8G2TL | CDG8G2TL | TGB8G2TL | PG8 | CC100-2 | CC60-1 | RMA-2 | HAMT-5 | BGH-225-A |
| KTL-SFR-8G3 | SFR8G1-3TL2 | BG8G3TL | CDG8G3TL | TGB8G3TL | PG8 | CC100-2 | CC60-1 | RMA-2 | HAMT-5 | BGH-225-A |
| KTL-SFR-8G4 | SFR8G3-6TL2 | BG8G4TL | CDG8G4TL | TGB8G4TL | PG8 | CC100-2 | CC60-1 | RMA-2 | HAMT-5 | BGH-225-A |
| KTL-SFR-8G5 | SFR8G3-6TL2 | BG8G5TL | CDG8G5TL | TGB8G5TL | PG8 | CC100-2 | CC60-1 | RMA-2 | HAMT-5 | BGH-225-A |
| KTL-SFR-8G6 | SFR8G3-6TL2 | BG8G6TL | CDG8G6TL | TGB8G6TL | PG8 | CC100-2 | CC60-1 | RMA-2 | HAMT-5 | BGH-225-B |

# SOA SFR Tooling Kit References

## 9/16" Diameter

| Name<br><b>ABS1418</b>     | R1<br><b>ABS1418 X</b>      | R2<br><b>ABS1418 Y</b>      | Group | SOA Kit #   |
|----------------------------|-----------------------------|-----------------------------|-------|-------------|
| ABS1418 ( ) 9 - (6 to 24)  |                             |                             | 1     | KTL-SFR-9G1 |
| ABS1418 ( ) 9 - (25 to 48) | ABS1418 ( ) 9X - (6 to 24)  |                             | 2     | KTL-SFR-9G2 |
| ABS1418 ( ) 9 - (49 to 72) | ABS1418 ( ) 9X - (25 to 48) | ABS1418 ( ) 9Y - (6 to 24)  | 3     | KTL-SFR-9G3 |
|                            | ABS1418 ( ) 9X - (49 to 72) | ABS1418 ( ) 9Y - (25 to 48) | 4     | KTL-SFR-9G4 |
|                            |                             | ABS1418 ( ) 9Y - (49 to 72) | 5     | KTL-SFR-9G5 |

## SOA Complete SFR Kit Table



| SOA Kit #   | SFR         | BG      | CDG      | TGB      | PG  | CC100   | CC60   | RMA   | HAM    | BGH       |
|-------------|-------------|---------|----------|----------|-----|---------|--------|-------|--------|-----------|
| KTL-SFR-9G1 | SFR9G1-3TL2 | BG9G1TL | CDG9G1TL | TGB9G1TL | PG9 | CC100-2 | CC60-1 | RMA-2 | HAMT-5 | BGH-225-B |
| KTL-SFR-9G2 | SFR9G1-3TL2 | BG9G2TL | CDG9G2TL | TGB9G2TL | PG9 | CC100-2 | CC60-1 | RMA-2 | HAMT-5 | BGH-225-B |
| KTL-SFR-9G3 | SFR9G1-3TL2 | BG9G3TL | CDG9G3TL | TGB9G3TL | PG9 | CC100-2 | CC60-1 | RMA-2 | HAMT-5 | BGH-225-B |
| KTL-SFR-9G4 | SFR9G3-5TL2 | BG9G4TL | CDG9G4TL | TGB9G4TL | PG9 | CC100-2 | CC60-1 | RMA-2 | HAMT-5 | BGH-225-B |
| KTL-SFR-9G5 | SFR9G3-5TL2 | BG9G5TL | CDG9G5TL | TGB9G5TL | PG9 | CC100-2 | CC60-1 | RMA-2 | HAMT-5 | BGH-225-A |

# SOA SFR Tooling Kit References

## 5/8" Diameter

| Name<br>ABS1418             | R1<br>ABS1418 X              | R2<br>ABS1418 Y              | Group | SOA Kit #    |
|-----------------------------|------------------------------|------------------------------|-------|--------------|
| ABS1418 ( ) 10 - (7 to 26)  |                              |                              | 1     | KTL-SFR-10G1 |
| ABS1418 ( ) 10 - (27 to 52) | ABS1418 ( ) 10X - (7 to 26)  |                              | 2     | KTL-SFR-10G2 |
| ABS1418 ( ) 10 - (53 to 78) | ABS1418 ( ) 10X - (27 to 52) | ABS1418 ( ) 10Y - (7 to 26)  | 3     | KTL-SFR-10G3 |
|                             | ABS1418 ( ) 10X - (53 to 78) | ABS1418 ( ) 10Y - (27 to 52) | 4     | KTL-SFR-10G4 |
|                             |                              | ABS1418 ( ) 10Y - (53 to 78) | 5     | KTL-SFR-10G5 |

## SOA Complete SFR Kit Table



| SOA Kit #    | SFR          | BG       | CDG       | TGB       | PG   | CC100   | CC60   | RMA   | HAM    | BGH       |
|--------------|--------------|----------|-----------|-----------|------|---------|--------|-------|--------|-----------|
| KTL-SFR-10G1 | SFR10G1-3TL2 | BG10G1TL | CDG10G1TL | TGB10G1TL | PG10 | CC100-3 | CC60-2 | RMA-2 | HAMT-5 | BGH-255-A |
| KTL-SFR-10G2 | SFR10G1-3TL2 | BG10G2TL | CDG10G2TL | TGB10G2TL | PG10 | CC100-3 | CC60-2 | RMA-2 | HAMT-5 | BGH-255-A |
| KTL-SFR-10G3 | SFR10G1-3TL2 | BG10G3TL | CDG10G3TL | TGB10G3TL | PG10 | CC100-3 | CC60-2 | RMA-2 | HAMT-5 | BGH-255-A |
| KTL-SFR-10G4 | SFR10G3-5TL2 | BG10G4TL | CDG10G4TL | TGB10G4TL | PG10 | CC100-3 | CC60-2 | RMA-2 | HAMT-5 | BGH-255-A |
| KTL-SFR-10G5 | SFR10G3-5TL2 | BG10G5TL | CDG10G5TL | TGB10G5TL | PG10 | CC100-3 | CC60-2 | RMA-2 | HAMT-5 | BGH-255-A |



# SOA SFR Tooling Kit References

## 3/4" Diameter

| Name<br>ABS1418             | R1<br>ABS1418 X              | R2<br>ABS1418 Y              | Group | SOA Kit #    |
|-----------------------------|------------------------------|------------------------------|-------|--------------|
| ABS1418 ( ) 12 - (8 to 30)  |                              |                              | 1     | KTL-SFR-12G1 |
| ABS1418 ( ) 12 - (31 to 60) | ABS1418 ( ) 12X - (8 to 30)  |                              | 2     | KTL-SFR-12G2 |
| ABS1418 ( ) 12 - (61 to 90) | ABS1418 ( ) 12X - (31 to 60) | ABS1418 ( ) 12Y - (8 to 30)  | 3     | KTL-SFR-12G3 |
|                             | ABS1418 ( ) 12X - (61 to 90) | ABS1418 ( ) 12Y - (31 to 60) | 4     | KTL-SFR-12G4 |
|                             |                              | ABS1418 ( ) 12Y - (61 to 90) | 5     | KTL-SFR-12G5 |

## SOA Complete SFR Kit Table



| SOA Kit #    | SFR          | BG       | CDG       | TGB       | PG   | CC100   | CC60   | RMA   | HAM    | BGH       |
|--------------|--------------|----------|-----------|-----------|------|---------|--------|-------|--------|-----------|
| KTL-SFR-12G1 | SFR12G1-3TL2 | BG12G1TL | CDG12G1TL | TGB12G1TL | PG12 | CC100-3 | CC60-2 | RMA-2 | HAMT-5 | BGH-255-B |
| KTL-SFR-12G2 | SFR12G1-3TL2 | BG12G2TL | CDG12G2TL | TGB12G2TL | PG12 | CC100-3 | CC60-2 | RMA-2 | HAMT-5 | BGH-255-B |
| KTL-SFR-12G3 | SFR12G1-3TL2 | BG12G3TL | CDG12G3TL | TGB12G3TL | PG12 | CC100-3 | CC60-2 | RMA-2 | HAMT-5 | BGH-255-B |
| KTL-SFR-12G4 | SFR12G3-5TL2 | BG12G4TL | CDG12G4TL | TGB12G4TL | PG12 | CC100-3 | CC60-2 | RMA-2 | HAMT-5 | BGH-255-B |
| KTL-SFR-12G5 | SFR12G3-5TL2 | BG12G5TL | CDG12G5TL | TGB12G5TL | PG12 | CC100-3 | CC60-2 | RMA-2 | HAMT-5 | BGH-345-A |

# SOA SFR Tooling Kit References

## 7/8" Diameter

| Name<br><b>ABS1418</b>       | R1<br><b>ABS1418 X</b>        | R2<br><b>ABS1418 Y</b>        | Group | SOA Kit #    |
|------------------------------|-------------------------------|-------------------------------|-------|--------------|
| ABS1418 ( ) 14 - (9 to 36)   |                               |                               | 1     | KTL-SFR-14G1 |
| ABS1418 ( ) 14 - (37 to 72)  | ABS1418 ( ) 14X - (9 to 36)   |                               | 2     | KTL-SFR-14G2 |
| ABS1418 ( ) 14 - (73 to 108) | ABS1418 ( ) 14X - (37 to 72)  | ABS1418 ( ) 14Y - (9 to 36)   | 3     | KTL-SFR-14G3 |
|                              | ABS1418 ( ) 14X - (73 to 108) | ABS1418 ( ) 14Y - (37 to 72)  | 4     | KTL-SFR-14G4 |
|                              |                               | ABS1418 ( ) 14Y - (73 to 108) | 5     | KTL-SFR-14G5 |

## SOA Complete SFR Kit Table



| SOA Kit #    | SFR          | BG       | CDG       | TGB       | PG   | CC100   | CC60   | RMA   | HAM    | BGH       |
|--------------|--------------|----------|-----------|-----------|------|---------|--------|-------|--------|-----------|
| KTL-SFR-14G1 | SFR14G1-3TL2 | BG14G1TL | CDG14G1TL | TGB14G1TL | PG14 | CC100-4 | CC60-2 | RMA-2 | HAMT-5 | BGH-345-A |
| KTL-SFR-14G2 | SFR14G1-3TL2 | BG14G2TL | CDG14G2TL | TGB14G2TL | PG14 | CC100-4 | CC60-2 | RMA-2 | HAMT-5 | BGH-345-A |
| KTL-SFR-14G3 | SFR14G1-3TL2 | BG14G3TL | CDG14G3TL | TGB14G3TL | PG14 | CC100-4 | CC60-2 | RMA-2 | HAMT-5 | BGH-345-A |
| KTL-SFR-14G4 | SFR14G3-5TL2 | BG14G4TL | CDG14G4TL | TGB14G4TL | PG14 | CC100-4 | CC60-2 | RMA-2 | HAMT-5 | BGH-345-A |
| KTL-SFR-14G5 | SFR14G3-5TL2 | BG14G5TL | CDG14G5TL | TGB14G5TL | PG14 | CC100-4 | CC60-2 | RMA-2 | HAMT-5 | BGH-345-B |

# SOA SFR Tooling Kit References

## 1" Diameter

| Name<br>ABS1418              | R1<br>ABS1418 X               | R2<br>ABS1418 Y               | Group | SOA Kit #    |
|------------------------------|-------------------------------|-------------------------------|-------|--------------|
| ABS1418 ( ) 16 - (10 to 40)  |                               |                               | 1     | KTL-SFR-16G1 |
| ABS1418 ( ) 16 - (41 to 80)  | ABS1418 ( ) 16X - (10 to 40)  |                               | 2     | KTL-SFR-16G2 |
| ABS1418 ( ) 16 - (81 to 120) | ABS1418 ( ) 16X - (41 to 80)  | ABS1418 ( ) 16Y - (10 to 40)  | 3     | KTL-SFR-16G3 |
|                              | ABS1418 ( ) 16X - (81 to 120) | ABS1418 ( ) 16Y - (41 to 80)  | 4     | KTL-SFR-16G4 |
|                              |                               | ABS1418 ( ) 16Y - (81 to 120) | 5     | KTL-SFR-16G5 |

## SOA Complete SFR Kit Table

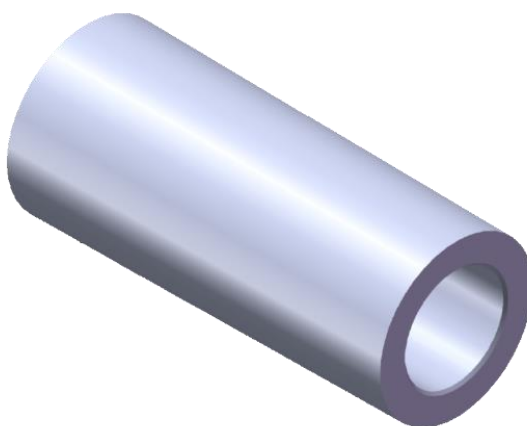


| SOA Kit #    | SFR          | BG       | CDG       | TGB       | PG   | CC100   | CC60   | RMA   | HAM    | BGH       |
|--------------|--------------|----------|-----------|-----------|------|---------|--------|-------|--------|-----------|
| KTL-SFR-16G1 | SFR16G1-3TL2 | BG16G1TL | CDG16G1TL | TGB16G1TL | PG16 | CC100-4 | CC60-2 | RMA-2 | HAMT-5 | BGH-345-B |
| KTL-SFR-16G2 | SFR16G1-3TL2 | BG16G2TL | CDG16G2TL | TGB16G2TL | PG16 | CC100-4 | CC60-2 | RMA-2 | HAMT-5 | BGH-345-B |
| KTL-SFR-16G3 | SFR16G1-3TL2 | BG16G3TL | CDG16G3TL | TGB16G3TL | PG16 | CC100-4 | CC60-2 | RMA-2 | HAMT-5 | BGH-345-B |
| KTL-SFR-16G4 | SFR16G3-5TL2 | BG16G4TL | CDG16G4TL | TGB16G4TL | PG16 | CC100-4 | CC60-2 | RMA-2 | HAMT-5 | BGH-345-B |
| KTL-SFR-16G5 | SFR16G3-5TL2 | BG16G5TL | CDG16G5TL | TGB16G5TL | PG16 | CC100-4 | CC60-2 | RMA-2 | HAMT-5 | BGH-345-B |



Range TAPERED GUIDE BUSHING (TGB)





| Diameter                            | Grp | TGB |
|-------------------------------------|-----|-----|
| <b>3/16"</b><br>Diameter<br>Code #3 | 1   | -   |
|                                     | 2   | -   |
|                                     | 3   | -   |
|                                     | 4   | -   |
|                                     | 5   | -   |
|                                     | -   | -   |

| Diameter                           | Grp | TGB      |
|------------------------------------|-----|----------|
| <b>1/4"</b><br>Diameter<br>Code #4 | 1   | TGB4G1TL |
|                                    | 2   | TGB4G2TL |
|                                    | 3   | TGB4G3TL |
|                                    | 4   | TGB4G4TL |
|                                    | 5   | TGB4G5TL |
|                                    | 6   | TGB4G6TL |

| Diameter                            | Grp | TGB      |
|-------------------------------------|-----|----------|
| <b>5/16"</b><br>Diameter<br>Code #5 | 1   | TGB5G1TL |
|                                     | 2   | TGB5G2TL |
|                                     | 3   | TGB5G3TL |
|                                     | 4   | TGB5G4TL |
|                                     | 5   | TGB5G5TL |
|                                     | -   | -        |

| Diameter                           | Grp | TGB      |
|------------------------------------|-----|----------|
| <b>3/8"</b><br>Diameter<br>Code #6 | 1   | TGB6G1TL |
|                                    | 2   | TGB6G2TL |
|                                    | 3   | TGB6G3TL |
|                                    | 4   | TGB6G4TL |
|                                    | 5   | TGB6G5TL |
|                                    | 6   | TGB6G6TL |

| Diameter                            | Grp | TGB      |
|-------------------------------------|-----|----------|
| <b>7/16"</b><br>Diameter<br>Code #7 | 1   | TGB7G1TL |
|                                     | 2   | TGB7G2TL |
|                                     | 3   | TGB7G3TL |
|                                     | 4   | TGB7G4TL |
|                                     | 5   | TGB7G5TL |
|                                     | 6   | TGB7G6TL |

| Diameter                           | Grp | TGB      |
|------------------------------------|-----|----------|
| <b>1/2"</b><br>Diameter<br>Code #8 | 1   | TGB8G1TL |
|                                    | 2   | TGB8G2TL |
|                                    | 3   | TGB8G3TL |
|                                    | 4   | TGB8G4TL |
|                                    | 5   | TGB8G5TL |
|                                    | 6   | TGB8G6TL |

| Diameter                            | Grp | TGB      |
|-------------------------------------|-----|----------|
| <b>9/16"</b><br>Diameter<br>Code #9 | 1   | TGB9G1TL |
|                                     | 2   | TGB9G2TL |
|                                     | 3   | TGB9G3TL |
|                                     | 4   | TGB9G4TL |
|                                     | 5   | TGB9G5TL |

| Diameter                            | Grp | TGB       |
|-------------------------------------|-----|-----------|
| <b>5/8"</b><br>Diameter<br>Code #10 | 1   | TGB10G1TL |
|                                     | 2   | TGB10G2TL |
|                                     | 3   | TGB10G3TL |
|                                     | 4   | TGB10G4TL |
|                                     | 5   | TGB10G5TL |

| Diameter                            | Grp | TGB       |
|-------------------------------------|-----|-----------|
| <b>3/4"</b><br>Diameter<br>Code #12 | 1   | TGB12G1TL |
|                                     | 2   | TGB12G2TL |
|                                     | 3   | TGB12G3TL |
|                                     | 4   | TGB12G4TL |
|                                     | 5   | TGB12G5TL |

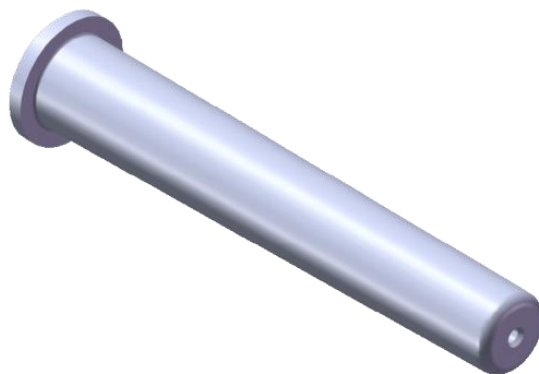
| Diameter                            | Grp | TGB       |
|-------------------------------------|-----|-----------|
| <b>7/8"</b><br>Diameter<br>Code #14 | 1   | TGB14G1TL |
|                                     | 2   | TGB14G2TL |
|                                     | 3   | TGB14G3TL |
|                                     | 4   | TGB14G4TL |
|                                     | 5   | TGB14G5TL |

| Diameter                          | Grp | TGB       |
|-----------------------------------|-----|-----------|
| <b>1"</b><br>Diameter<br>Code #16 | 1   | TGB16G1TL |
|                                   | 2   | TGB16G2TL |
|                                   | 3   | TGB16G3TL |
|                                   | 4   | TGB16G4TL |
|                                   | 5   | TGB16G5TL |

**Range BLUEING GAUGE (BG)**







| Diameter                            | Grp | BG      |
|-------------------------------------|-----|---------|
| <b>3/16"</b><br>Diameter<br>Code #3 | 1   | BG3G1TL |
|                                     | 2   | BG3G2TL |
|                                     | 3   | BG3G3TL |
|                                     | 4   | BG3G4TL |
|                                     | 5   | BG3G5TL |
|                                     | -   | -       |

| Diameter                           | Grp | BG      |
|------------------------------------|-----|---------|
| <b>1/4"</b><br>Diameter<br>Code #4 | 1   | BG4G1TL |
|                                    | 2   | BG4G2TL |
|                                    | 3   | BG4G3TL |
|                                    | 4   | BG4G4TL |
|                                    | 5   | BG4G5TL |
|                                    | 6   | BG4G6TL |

| Diameter                            | Grp | BG      |
|-------------------------------------|-----|---------|
| <b>5/16"</b><br>Diameter<br>Code #5 | 1   | BG5G1TL |
|                                     | 2   | BG5G2TL |
|                                     | 3   | BG5G3TL |
|                                     | 4   | BG5G4TL |
|                                     | 5   | BG5G5TL |
|                                     | -   | -       |

| Diameter                           | Grp | BG      |
|------------------------------------|-----|---------|
| <b>3/8"</b><br>Diameter<br>Code #6 | 1   | BG6G1TL |
|                                    | 2   | BG6G2TL |
|                                    | 3   | BG6G3TL |
|                                    | 4   | BG6G4TL |
|                                    | 5   | BG6G5TL |
|                                    | 6   | BG6G6TL |

| Diameter                            | Grp | BG      |
|-------------------------------------|-----|---------|
| <b>7/16"</b><br>Diameter<br>Code #7 | 1   | BG7G1TL |
|                                     | 2   | BG7G2TL |
|                                     | 3   | BG7G3TL |
|                                     | 4   | BG7G4TL |
|                                     | 5   | BG7G5TL |
|                                     | 6   | BG7G6TL |

| Diameter                           | Grp | BG      |
|------------------------------------|-----|---------|
| <b>1/2"</b><br>Diameter<br>Code #8 | 1   | BG8G1TL |
|                                    | 2   | BG8G2TL |
|                                    | 3   | BG8G3TL |
|                                    | 4   | BG8G4TL |
|                                    | 5   | BG8G5TL |
|                                    | 6   | BG8G6TL |

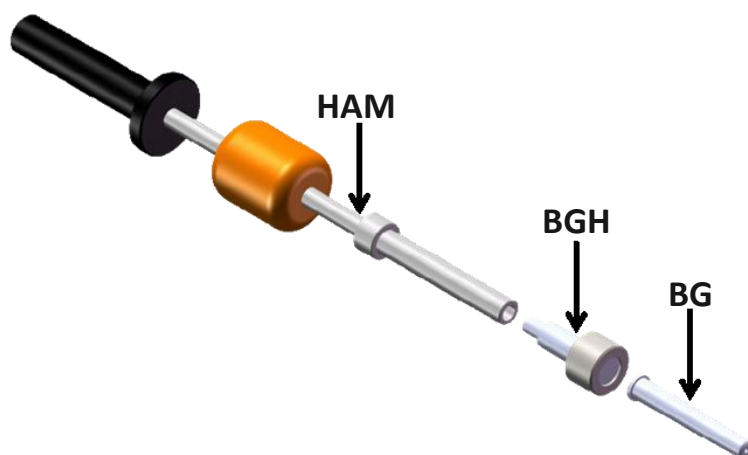
| Diameter                            | Grp | BG      |
|-------------------------------------|-----|---------|
| <b>9/16"</b><br>Diameter<br>Code #9 | 1   | BG9G1TL |
|                                     | 2   | BG9G2TL |
|                                     | 3   | BG9G3TL |
|                                     | 4   | BG9G4TL |
|                                     | 5   | BG9G5TL |

| Diameter                            | Grp | BG       |
|-------------------------------------|-----|----------|
| <b>5/8"</b><br>Diameter<br>Code #10 | 1   | BG10G1TL |
|                                     | 2   | BG10G2TL |
|                                     | 3   | BG10G3TL |
|                                     | 4   | BG10G4TL |
|                                     | 5   | BG10G5TL |

| Diameter                            | Grp | BG       |
|-------------------------------------|-----|----------|
| <b>3/4"</b><br>Diameter<br>Code #12 | 1   | BG12G1TL |
|                                     | 2   | BG12G2TL |
|                                     | 3   | BG12G3TL |
|                                     | 4   | BG12G4TL |
|                                     | 5   | BG12G5TL |

| Diameter                            | Grp | BG       |
|-------------------------------------|-----|----------|
| <b>7/8"</b><br>Diameter<br>Code #14 | 1   | BG14G1TL |
|                                     | 2   | BG14G2TL |
|                                     | 3   | BG14G3TL |
|                                     | 4   | BG14G4TL |
|                                     | 5   | BG14G5TL |

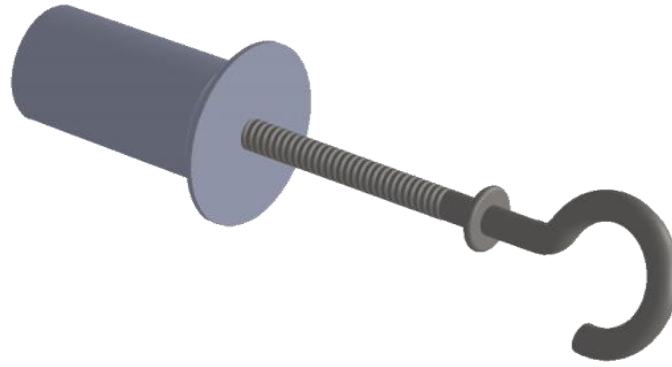
| Diameter                          | Grp | BG       |
|-----------------------------------|-----|----------|
| <b>1"</b><br>Diameter<br>Code #16 | 1   | BG16G1TL |
|                                   | 2   | BG16G2TL |
|                                   | 3   | BG16G3TL |
|                                   | 4   | BG16G4TL |
|                                   | 5   | BG16G5TL |



## Range COUNTERSINK DEPTH GAUGE (CDG)







| Diameter                            | Grp | CDG      |
|-------------------------------------|-----|----------|
| <b>3/16"</b><br>Diameter<br>Code #3 | 1   | CDG3G1TL |
|                                     | 2   | CDG3G2TL |
|                                     | 3   | CDG3G3TL |
|                                     | 4   | CDG3G4TL |
|                                     | 5   | CDG3G5TL |
|                                     | -   | -        |

| Diameter                           | Grp | CDG      |
|------------------------------------|-----|----------|
| <b>1/4"</b><br>Diameter<br>Code #4 | 1   | CDG4G1TL |
|                                    | 2   | CDG4G2TL |
|                                    | 3   | CDG4G3TL |
|                                    | 4   | CDG4G4TL |
|                                    | 5   | CDG4G5TL |
|                                    | 6   | CDG4G6TL |

| Diameter                            | Grp | CDG      |
|-------------------------------------|-----|----------|
| <b>5/16"</b><br>Diameter<br>Code #5 | 1   | CDG5G1TL |
|                                     | 2   | CDG5G2TL |
|                                     | 3   | CDG5G3TL |
|                                     | 4   | CDG5G4TL |
|                                     | 5   | CDG5G5TL |
|                                     | -   | -        |

| Diameter                           | Grp | CDG      |
|------------------------------------|-----|----------|
| <b>3/8"</b><br>Diameter<br>Code #6 | 1   | CDG6G1TL |
|                                    | 2   | CDG6G2TL |
|                                    | 3   | CDG6G3TL |
|                                    | 4   | CDG6G4TL |
|                                    | 5   | CDG6G5TL |
|                                    | 6   | CDG6G6TL |

| Diameter                            | Grp | CDG      |
|-------------------------------------|-----|----------|
| <b>7/16"</b><br>Diameter<br>Code #7 | 1   | CDG7G1TL |
|                                     | 2   | CDG7G2TL |
|                                     | 3   | CDG7G3TL |
|                                     | 4   | CDG7G4TL |
|                                     | 5   | CDG7G5TL |
|                                     | 6   | CDG7G6TL |

| Diameter                           | Grp | CDG      |
|------------------------------------|-----|----------|
| <b>1/2"</b><br>Diameter<br>Code #8 | 1   | CDG8G1TL |
|                                    | 2   | CDG8G2TL |
|                                    | 3   | CDG8G3TL |
|                                    | 4   | CDG8G4TL |
|                                    | 5   | CDG8G5TL |
|                                    | 6   | CDG8G6TL |

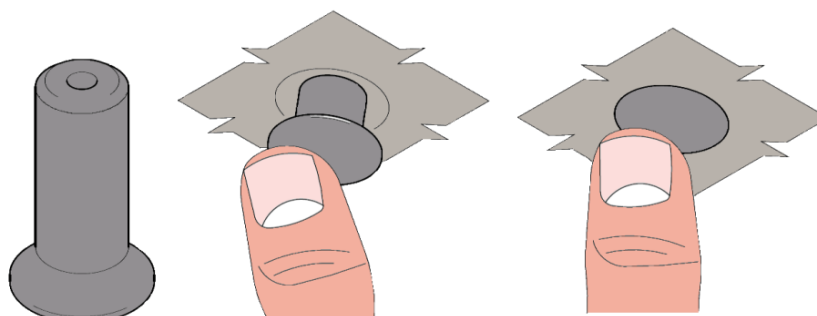
| Diameter                            | Grp | CDG      |
|-------------------------------------|-----|----------|
| <b>9/16"</b><br>Diameter<br>Code #9 | 1   | CDG9G1TL |
|                                     | 2   | CDG9G2TL |
|                                     | 3   | CDG9G3TL |
|                                     | 4   | CDG9G4TL |
|                                     | 5   | CDG9G5TL |

| Diameter                            | Grp | CDG       |
|-------------------------------------|-----|-----------|
| <b>5/8"</b><br>Diameter<br>Code #10 | 1   | CDG10G1TL |
|                                     | 2   | CDG10G2TL |
|                                     | 3   | CDG10G3TL |
|                                     | 4   | CDG10G4TL |
|                                     | 5   | CDG10G5TL |

| Diameter                            | Grp | CDG       |
|-------------------------------------|-----|-----------|
| <b>3/4"</b><br>Diameter<br>Code #12 | 1   | CDG12G1TL |
|                                     | 2   | CDG12G2TL |
|                                     | 3   | CDG12G3TL |
|                                     | 4   | CDG12G4TL |
|                                     | 5   | CDG12G5TL |

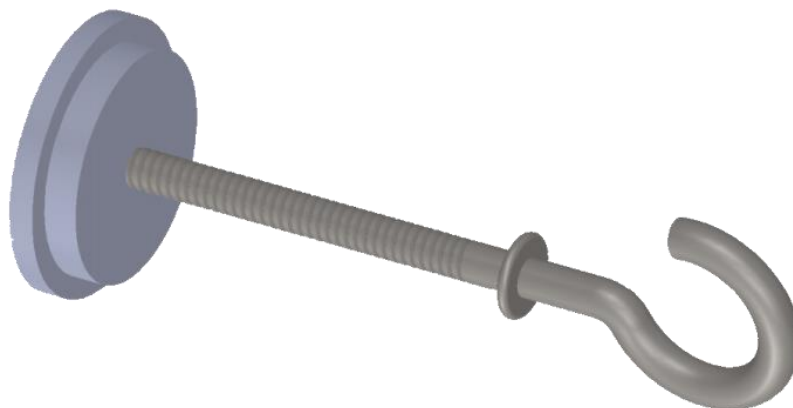
| Diameter                            | Grp | CDG       |
|-------------------------------------|-----|-----------|
| <b>7/8"</b><br>Diameter<br>Code #14 | 1   | CDG14G1TL |
|                                     | 2   | CDG14G2TL |
|                                     | 3   | CDG14G3TL |
|                                     | 4   | CDG14G4TL |
|                                     | 5   | CDG14G5TL |

| Diameter                          | Grp | CDG       |
|-----------------------------------|-----|-----------|
| <b>1"</b><br>Diameter<br>Code #16 | 1   | CDG16G1TL |
|                                   | 2   | CDG16G2TL |
|                                   | 3   | CDG16G3TL |
|                                   | 4   | CDG16G4TL |
|                                   | 5   | CDG16G5TL |



## Range PROTUSION GAUGE (PG)





| Diameter                            | Grp | PG  |
|-------------------------------------|-----|-----|
| <b>3/16"</b><br>Diameter<br>Code #3 | 1   | PG3 |

| Diameter                           | Grp | PG  |
|------------------------------------|-----|-----|
| <b>1/4"</b><br>Diameter<br>Code #4 | 1   | PG4 |

| Diameter                            | Grp | PG  |
|-------------------------------------|-----|-----|
| <b>5/16"</b><br>Diameter<br>Code #5 | 1   | PG5 |

| Diameter                           | Grp | PG  |
|------------------------------------|-----|-----|
| <b>3/8"</b><br>Diameter<br>Code #6 | 1   | PG6 |

| Diameter                            | Grp | PG  |
|-------------------------------------|-----|-----|
| <b>7/16"</b><br>Diameter<br>Code #7 | 1   | PG7 |

| Diameter                           | Grp | PG  |
|------------------------------------|-----|-----|
| <b>1/2"</b><br>Diameter<br>Code #8 | 1   | PG8 |

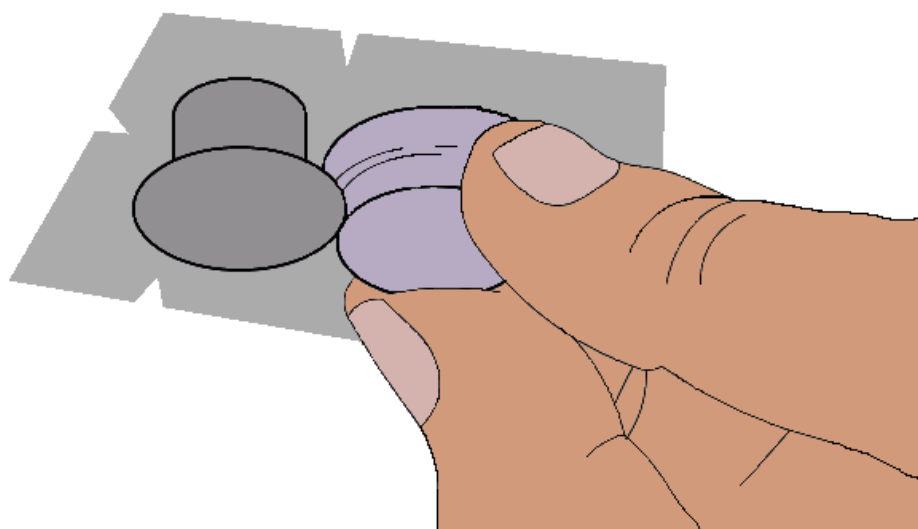
| Diameter                            | Grp | PG  |
|-------------------------------------|-----|-----|
| <b>9/16"</b><br>Diameter<br>Code #9 | 1   | PG9 |

| Diameter                            | Grp | PG   |
|-------------------------------------|-----|------|
| <b>5/8"</b><br>Diameter<br>Code #10 | 1   | PG10 |

| Diameter                            | Grp | PG   |
|-------------------------------------|-----|------|
| <b>3/4"</b><br>Diameter<br>Code #12 | 1   | PG12 |

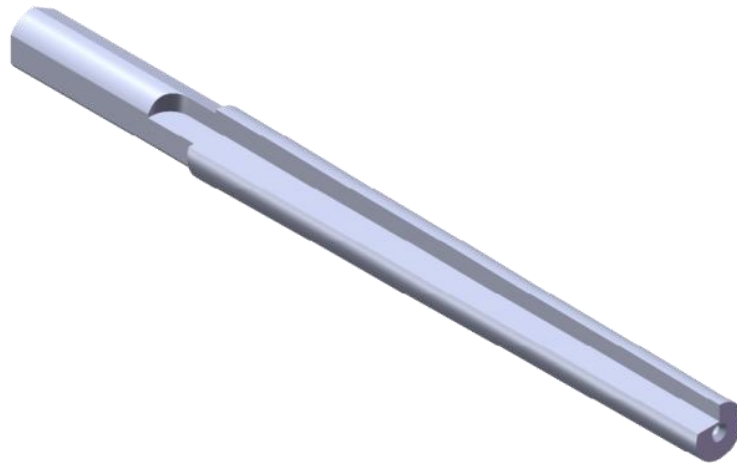
| Diameter                            | Grp | PG   |
|-------------------------------------|-----|------|
| <b>7/8"</b><br>Diameter<br>Code #14 | 1   | PG14 |

| Diameter                          | Grp | PG   |
|-----------------------------------|-----|------|
| <b>1"</b><br>Diameter<br>Code #16 | 1   | PG16 |



## Range ALESOIR TAPERLOK (SFR)





| Diameter                            | Grp | SFR         |
|-------------------------------------|-----|-------------|
| <b>3/16"</b><br>Diameter<br>Code #3 | 1   | SFR3G1-3TL0 |
|                                     | 2   | SFR3G1-3TL0 |
|                                     | 3   | SFR3G1-3TL0 |
|                                     | 4   | SFR3G3-5TL0 |
|                                     | 5   | SFR3G3-5TL0 |
|                                     | -   | -           |

| Diameter                           | Grp | SFR         |
|------------------------------------|-----|-------------|
| <b>1/4"</b><br>Diameter<br>Code #4 | 1   | SFR4G1-3TL1 |
|                                    | 2   | SFR4G1-3TL1 |
|                                    | 3   | SFR4G1-3TL1 |
|                                    | 4   | SFR4G3-6TL1 |
|                                    | 5   | SFR4G3-6TL1 |
|                                    | 6   | SFR4G3-6TL1 |

| Diameter                            | Grp | SFR         |
|-------------------------------------|-----|-------------|
| <b>5/16"</b><br>Diameter<br>Code #5 | 1   | SFR5G1-3TL1 |
|                                     | 2   | SFR5G1-3TL1 |
|                                     | 3   | SFR5G1-3TL1 |
|                                     | 4   | SFR5G3-5TL1 |
|                                     | 5   | SFR5G3-5TL1 |
|                                     | -   | -           |

| Diameter                           | Grp | SFR         |
|------------------------------------|-----|-------------|
| <b>3/8"</b><br>Diameter<br>Code #6 | 1   | SFR6G1-3TL1 |
|                                    | 2   | SFR6G1-3TL1 |
|                                    | 3   | SFR6G1-3TL1 |
|                                    | 4   | SFR6G3-6TL1 |
|                                    | 5   | SFR6G3-6TL1 |
|                                    | 6   | SFR6G3-6TL1 |

| Diameter                            | Grp | SFR         |
|-------------------------------------|-----|-------------|
| <b>7/16"</b><br>Diameter<br>Code #7 | 1   | SFR7G1-3TL2 |
|                                     | 2   | SFR7G1-3TL2 |
|                                     | 3   | SFR7G1-3TL2 |
|                                     | 4   | SFR7G3-6TL2 |
|                                     | 5   | SFR7G3-6TL2 |
|                                     | 6   | SFR7G3-6TL2 |

| Diameter                           | Grp | SFR         |
|------------------------------------|-----|-------------|
| <b>1/2"</b><br>Diameter<br>Code #8 | 1   | SFR8G1-3TL2 |
|                                    | 2   | SFR8G1-3TL2 |
|                                    | 3   | SFR8G1-3TL2 |
|                                    | 4   | SFR8G3-6TL2 |
|                                    | 5   | SFR8G3-6TL2 |
|                                    | 6   | SFR8G3-6TL2 |

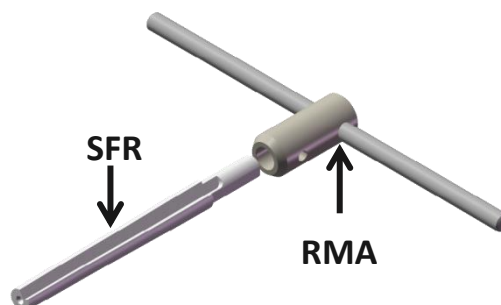
| Diameter                            | Grp | SFR         |
|-------------------------------------|-----|-------------|
| <b>9/16"</b><br>Diameter<br>Code #9 | 1   | SFR9G1-3TL2 |
|                                     | 2   | SFR9G1-3TL2 |
|                                     | 3   | SFR9G1-3TL2 |
|                                     | 4   | SFR9G3-5TL2 |
|                                     | 5   | SFR9G3-5TL2 |

| Diameter                            | Grp | SFR          |
|-------------------------------------|-----|--------------|
| <b>5/8"</b><br>Diameter<br>Code #10 | 1   | SFR10G1-3TL2 |
|                                     | 2   | SFR10G1-3TL2 |
|                                     | 3   | SFR10G1-3TL2 |
|                                     | 4   | SFR10G3-5TL2 |
|                                     | 5   | SFR10G3-5TL2 |

| Diameter                            | Grp | SFR          |
|-------------------------------------|-----|--------------|
| <b>3/4"</b><br>Diameter<br>Code #12 | 1   | SFR12G1-3TL2 |
|                                     | 2   | SFR12G1-3TL2 |
|                                     | 3   | SFR12G1-3TL2 |
|                                     | 4   | SFR12G3-5TL2 |
|                                     | 5   | SFR12G3-5TL2 |

| Diameter                            | Grp | SFR          |
|-------------------------------------|-----|--------------|
| <b>7/8"</b><br>Diameter<br>Code #14 | 1   | SFR14G1-3TL2 |
|                                     | 2   | SFR14G1-3TL2 |
|                                     | 3   | SFR14G1-3TL2 |
|                                     | 4   | SFR14G3-5TL2 |
|                                     | 5   | SFR14G3-5TL2 |

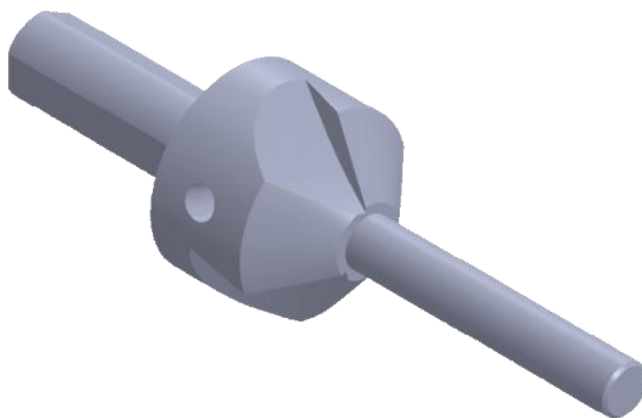
| Diameter                          | Grp | SFR          |
|-----------------------------------|-----|--------------|
| <b>1"</b><br>Diameter<br>Code #16 | 1   | SFR16G1-3TL2 |
|                                   | 2   | SFR16G1-3TL2 |
|                                   | 3   | SFR16G1-3TL2 |
|                                   | 4   | SFR16G3-5TL2 |
|                                   | 5   | SFR16G3-5TL2 |



Range COUNTERSINK CUTTER 100° (CC100)







| Diameter                            | Grp | CC100°  |
|-------------------------------------|-----|---------|
| <b>3/16"</b><br>Diameter<br>Code #3 | 1   | CC100-0 |

| Diameter                           | Grp | CC100°  |
|------------------------------------|-----|---------|
| <b>1/4"</b><br>Diameter<br>Code #4 | 1   | CC100-1 |

| Diameter                            | Grp | CC100°  |
|-------------------------------------|-----|---------|
| <b>5/16"</b><br>Diameter<br>Code #5 | 1   | CC100-1 |

| Diameter                           | Grp | CC100°  |
|------------------------------------|-----|---------|
| <b>3/8"</b><br>Diameter<br>Code #6 | 1   | CC100-2 |

| Diameter                            | Grp | CC100°  |
|-------------------------------------|-----|---------|
| <b>7/16"</b><br>Diameter<br>Code #7 | 1   | CC100-2 |

| Diameter                           | Grp | CC100°  |
|------------------------------------|-----|---------|
| <b>1/2"</b><br>Diameter<br>Code #8 | 1   | CC100-2 |

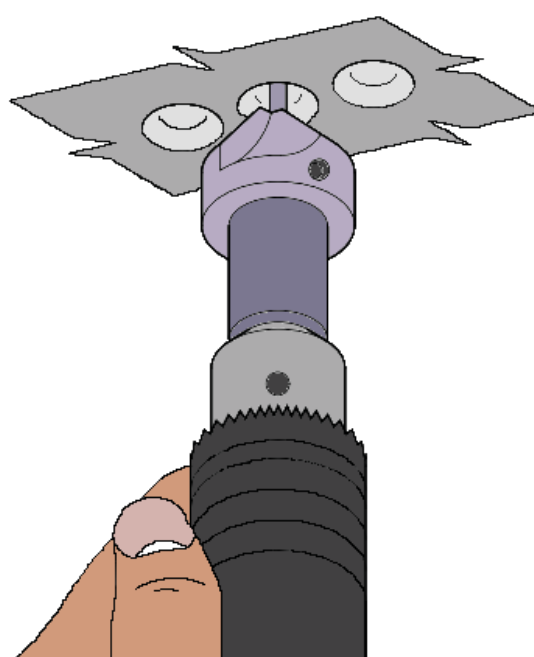
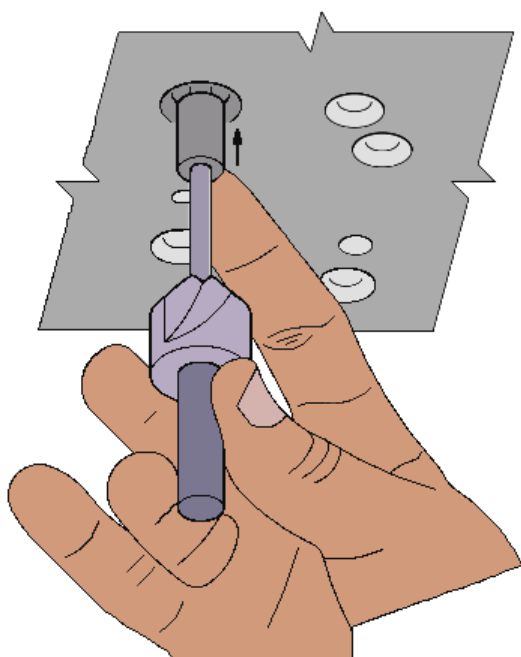
| Diameter                            | Grp | CC100°  |
|-------------------------------------|-----|---------|
| <b>9/16"</b><br>Diameter<br>Code #9 | 1   | CC100-2 |

| Diameter                            | Grp | CC100°  |
|-------------------------------------|-----|---------|
| <b>5/8"</b><br>Diameter<br>Code #10 | 1   | CC100-3 |

| Diameter                            | Grp | CC100°  |
|-------------------------------------|-----|---------|
| <b>3/4"</b><br>Diameter<br>Code #12 | 1   | CC100-3 |

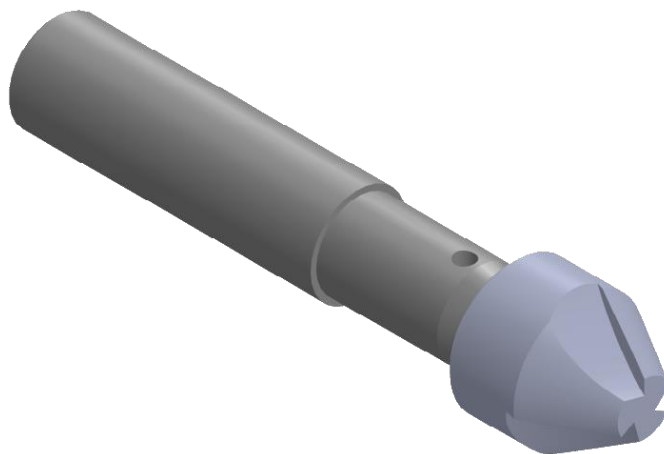
| Diameter                            | Grp | CC100°  |
|-------------------------------------|-----|---------|
| <b>7/8"</b><br>Diameter<br>Code #14 | 1   | CC100-4 |

| Diameter                          | Grp | CC100°  |
|-----------------------------------|-----|---------|
| <b>1"</b><br>Diameter<br>Code #16 | 1   | CC100-4 |



## Range COUNTERSINK CUTTER 60° (CC60)





| Diameter                            | Grp | CC60°  |
|-------------------------------------|-----|--------|
| <b>3/16"</b><br>Diameter<br>Code #3 | 1   | CC60-0 |

| Diameter                           | Grp | CC60°  |
|------------------------------------|-----|--------|
| <b>1/4"</b><br>Diameter<br>Code #4 | 1   | CC60-0 |

| Diameter                            | Grp | CC60°  |
|-------------------------------------|-----|--------|
| <b>5/16"</b><br>Diameter<br>Code #5 | 1   | CC60-0 |

| Diameter                           | Grp | CC60°  |
|------------------------------------|-----|--------|
| <b>3/8"</b><br>Diameter<br>Code #6 | 1   | CC60-1 |

| Diameter                            | Grp | CC60°  |
|-------------------------------------|-----|--------|
| <b>7/16"</b><br>Diameter<br>Code #7 | 1   | CC60-1 |

| Diameter                           | Grp | CC60°  |
|------------------------------------|-----|--------|
| <b>1/2"</b><br>Diameter<br>Code #8 | 1   | CC60-1 |

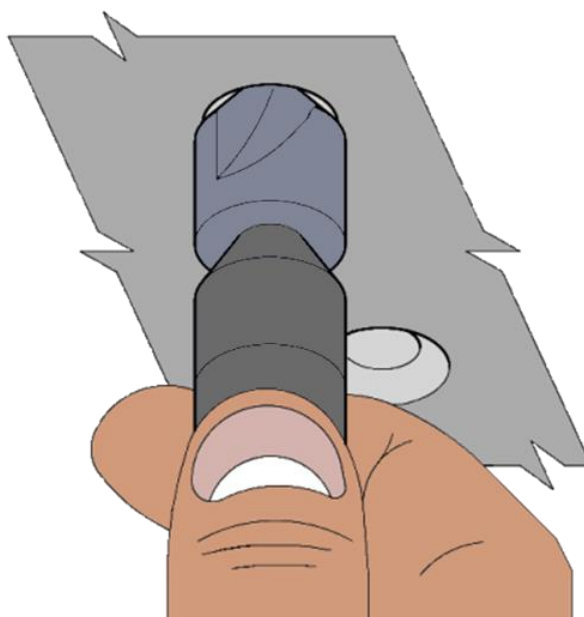
| Diameter                            | Grp | CC60°  |
|-------------------------------------|-----|--------|
| <b>9/16"</b><br>Diameter<br>Code #9 | 1   | CC60-1 |

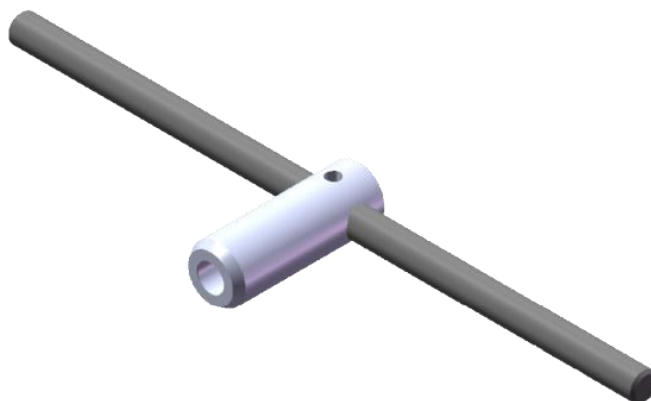
| Diameter                            | Grp | CC60°  |
|-------------------------------------|-----|--------|
| <b>5/8"</b><br>Diameter<br>Code #10 | 1   | CC60-2 |

| Diameter                            | Grp | CC60°  |
|-------------------------------------|-----|--------|
| <b>3/4"</b><br>Diameter<br>Code #12 | 1   | CC60-2 |

| Diameter                            | Grp | CC60°  |
|-------------------------------------|-----|--------|
| <b>7/8"</b><br>Diameter<br>Code #14 | 1   | CC60-2 |

| Diameter                          | Grp | CC60°  |
|-----------------------------------|-----|--------|
| <b>1"</b><br>Diameter<br>Code #16 | 1   | CC60-2 |





| Diameter                            | Grp | RMA   |
|-------------------------------------|-----|-------|
| <b>3/16"</b><br>Diameter<br>Code #3 | 1   | RMA-0 |

| Diameter                           | Grp | RMA   |
|------------------------------------|-----|-------|
| <b>1/4"</b><br>Diameter<br>Code #4 | 1   | RMA-1 |

| Diameter                            | Grp | RMA   |
|-------------------------------------|-----|-------|
| <b>5/16"</b><br>Diameter<br>Code #5 | 1   | RMA-1 |

| Diameter                           | Grp | RMA   |
|------------------------------------|-----|-------|
| <b>3/8"</b><br>Diameter<br>Code #6 | 1   | RMA-1 |

| Diameter                            | Grp° | RMA   |
|-------------------------------------|------|-------|
| <b>7/16"</b><br>Diameter<br>Code #7 | 1    | RMA-1 |
|                                     | 2    | RMA-1 |
|                                     | 3    | RMA-1 |
|                                     | 4    | RMA-2 |
|                                     | 5    | RMA-2 |
|                                     | 6    | RMA-2 |

| Diameter                           | Grp | RMA   |
|------------------------------------|-----|-------|
| <b>1/2"</b><br>Diameter<br>Code #8 | 1   | RMA-2 |

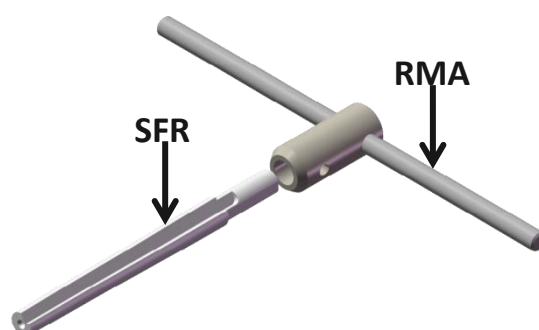
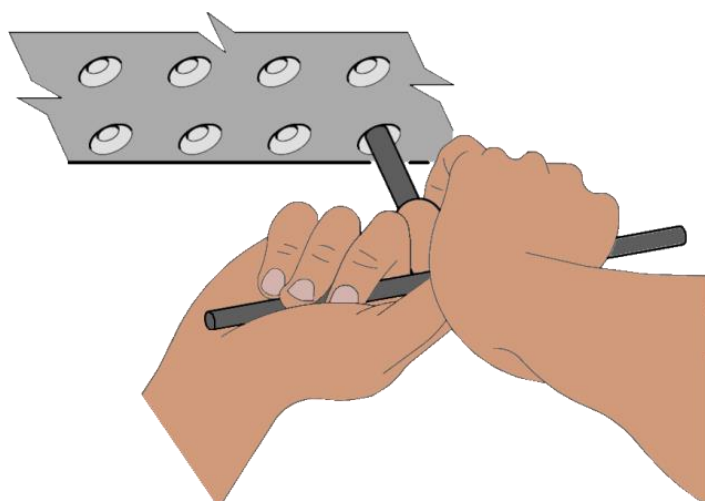
| Diameter                            | Grp | RMA   |
|-------------------------------------|-----|-------|
| <b>9/16"</b><br>Diameter<br>Code #9 | 1   | RMA-2 |

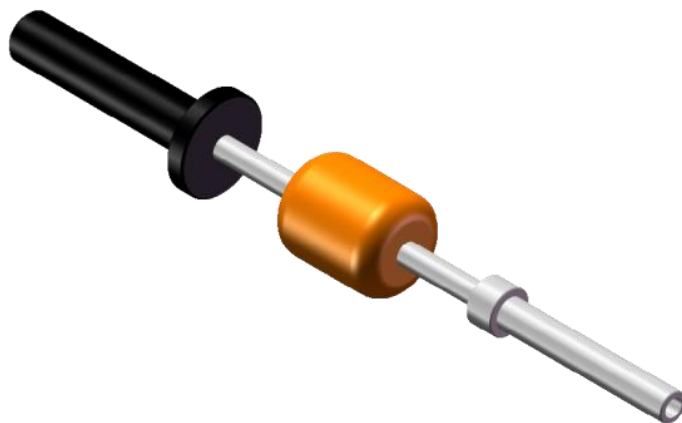
| Diameter                            | Grp | RMA   |
|-------------------------------------|-----|-------|
| <b>5/8"</b><br>Diameter<br>Code #10 | 1   | RMA-2 |

| Diameter                            | Grp | RMA   |
|-------------------------------------|-----|-------|
| <b>3/4"</b><br>Diameter<br>Code #12 | 1   | RMA-2 |

| Diameter                            | Grp | RMA   |
|-------------------------------------|-----|-------|
| <b>7/8"</b><br>Diameter<br>Code #14 | 1   | RMA-2 |

| Diameter                          | Grp | RMA   |
|-----------------------------------|-----|-------|
| <b>1"</b><br>Diameter<br>Code #16 | 1   | RMA-2 |





| Diameter                            | Grp | HAM |
|-------------------------------------|-----|-----|
| <b>3/16"</b><br>Diameter<br>Code #3 | 1   | -   |

| Diameter                           | Grp | HAM    |
|------------------------------------|-----|--------|
| <b>1/4"</b><br>Diameter<br>Code #4 | 1   | HAMT-5 |

| Diameter                            | Grp | HAM    |
|-------------------------------------|-----|--------|
| <b>5/16"</b><br>Diameter<br>Code #5 | 1   | HAMT-5 |

| Diameter                           | Grp | HAM    |
|------------------------------------|-----|--------|
| <b>3/8"</b><br>Diameter<br>Code #6 | 1   | HAMT-5 |

| Diameter                            | Grp° | HAM    |
|-------------------------------------|------|--------|
| <b>7/16"</b><br>Diameter<br>Code #7 | 1    | HAMT-5 |

| Diameter                           | Grp | HAM    |
|------------------------------------|-----|--------|
| <b>1/2"</b><br>Diameter<br>Code #8 | 1   | HAMT-5 |

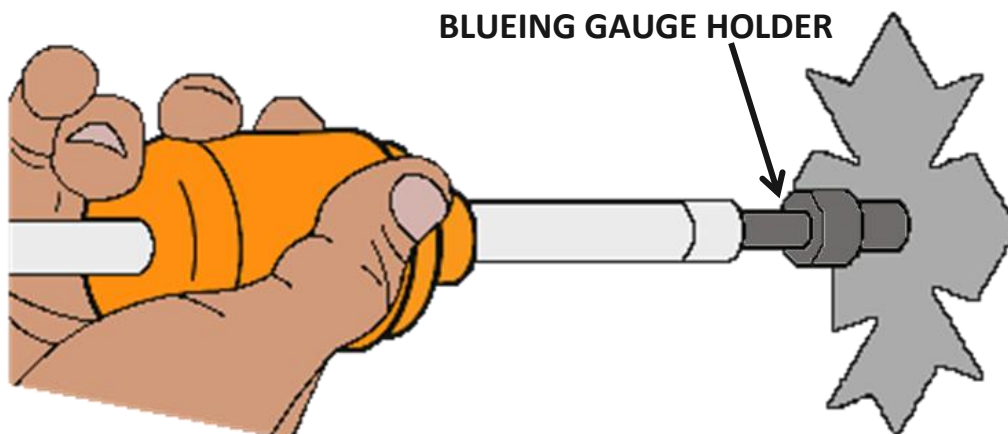
| Diameter                            | Grp | HAM    |
|-------------------------------------|-----|--------|
| <b>9/16"</b><br>Diameter<br>Code #9 | 1   | HAMT-5 |

| Diameter                            | Grp | HAM    |
|-------------------------------------|-----|--------|
| <b>5/8"</b><br>Diameter<br>Code #10 | 1   | HAMT-5 |

| Diameter                            | Grp | HAM    |
|-------------------------------------|-----|--------|
| <b>3/4"</b><br>Diameter<br>Code #12 | 1   | HAMT-5 |

| Diameter                            | Grp | HAM    |
|-------------------------------------|-----|--------|
| <b>7/8"</b><br>Diameter<br>Code #14 | 1   | HAMT-5 |

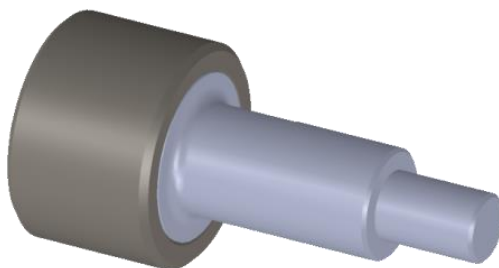
| Diameter                          | Grp | HAM    |
|-----------------------------------|-----|--------|
| <b>1"</b><br>Diameter<br>Code #16 | 1   | HAMT-5 |



## RANGE BLUEING GAUGE HOLDER (BGH)







| Diameter                            | Grp | BGH |
|-------------------------------------|-----|-----|
| <b>3/16"</b><br>Diameter<br>Code #3 | 1   | -   |
|                                     | 2   | -   |
|                                     | 3   | -   |
|                                     | 4   | -   |
|                                     | 5   | -   |
|                                     | -   | -   |

| Diameter                           | Grp | BGH     |
|------------------------------------|-----|---------|
| <b>1/4"</b><br>Diameter<br>Code #4 | 1   | BGH-125 |
|                                    | 2   | BGH-125 |
|                                    | 3   | BGH-125 |
|                                    | 4   | BGH-125 |
|                                    | 5   | BGH-125 |
|                                    | 6   | BGH-125 |

| Diameter                            | Grp | BGH     |
|-------------------------------------|-----|---------|
| <b>5/16"</b><br>Diameter<br>Code #5 | 1   | BGH-125 |
|                                     | 2   | BGH-125 |
|                                     | 3   | BGH-125 |
|                                     | 4   | BGH-125 |
|                                     | 5   | BGH-125 |
|                                     | -   | -       |

| Diameter                           | Grp | BGH     |
|------------------------------------|-----|---------|
| <b>3/8"</b><br>Diameter<br>Code #6 | 1   | BGH-165 |
|                                    | 2   | BGH-165 |
|                                    | 3   | BGH-165 |
|                                    | 4   | BGH-165 |
|                                    | 5   | BGH-165 |
|                                    | 6   | BGH-165 |

| Diameter                            | Grp | BGH     |
|-------------------------------------|-----|---------|
| <b>7/16"</b><br>Diameter<br>Code #7 | 1   | BGH-165 |
|                                     | 2   | BGH-165 |
|                                     | 3   | BGH-165 |
|                                     | 4   | BGH-165 |
|                                     | 5   | BGH-165 |
|                                     | 6   | BGH-165 |

| Diameter                           | Grp | BGH       |
|------------------------------------|-----|-----------|
| <b>1/2"</b><br>Diameter<br>Code #8 | 1   | BGH-225-A |
|                                    | 2   | BGH-225-A |
|                                    | 3   | BGH-225-A |
|                                    | 4   | BGH-225-A |
|                                    | 5   | BGH-225-A |
|                                    | 6   | BGH-225-B |

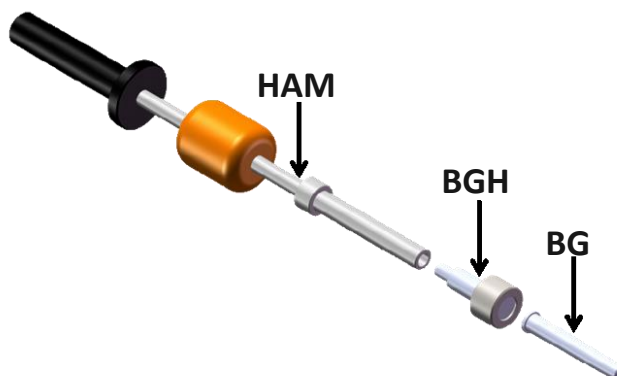
| Diameter                            | Grp | BGH       |
|-------------------------------------|-----|-----------|
| <b>9/16"</b><br>Diameter<br>Code #9 | 1   | BGH-225-B |
|                                     | 2   | BGH-225-B |
|                                     | 3   | BGH-225-B |
|                                     | 4   | BGH-225-B |
|                                     | 5   | BGH-255-A |

| Diameter                            | Grp | BGH       |
|-------------------------------------|-----|-----------|
| <b>5/8"</b><br>Diameter<br>Code #10 | 1   | BGH-255-A |
|                                     | 2   | BGH-255-A |
|                                     | 3   | BGH-255-A |
|                                     | 4   | BGH-255-A |
|                                     | 5   | BGH-255-A |

| Diameter                            | Grp | BGH       |
|-------------------------------------|-----|-----------|
| <b>3/4"</b><br>Diameter<br>Code #12 | 1   | BGH-255-B |
|                                     | 2   | BGH-255-B |
|                                     | 3   | BGH-255-B |
|                                     | 4   | BGH-255-B |
|                                     | 5   | BGH-345-A |

| Diameter                            | Grp | BGH       |
|-------------------------------------|-----|-----------|
| <b>7/8"</b><br>Diameter<br>Code #14 | 1   | BGH-345-A |
|                                     | 2   | BGH-345-A |
|                                     | 3   | BGH-345-A |
|                                     | 4   | BGH-345-A |
|                                     | 5   | BGH-345-B |

| Diameter                          | Grp | BGH       |
|-----------------------------------|-----|-----------|
| <b>1"</b><br>Diameter<br>Code #16 | 1   | BGH-345-B |
|                                   | 2   | BGH-345-B |
|                                   | 3   | BGH-345-B |
|                                   | 4   | BGH-345-B |
|                                   | 5   | BGH-345-B |



## SOA COLD WORKING CUTTING TOOLS

SOA Cold Working cutting tools are made as per the Aircraft manufacturer specifications defined in their Structural Repair Manuals (SRM) , and meet all parameters requested for the perfect application of this process.

We can supply any standard cutting tools as defined in the SRM 's or any special ones listed in some Service Bulletins

### Starting Drills



ex: SOA-SD-8-1N

### Starting Reamers



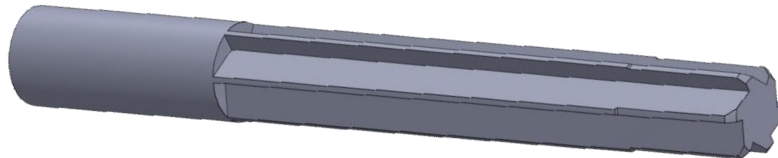
ex: SOA-SR-8-0-N-1

### Finish Reamers



ex : SOA-FR-8-1-N-xxxx

# COLDWORKING



|                                                  |        |        |        |        |        |        |
|--------------------------------------------------|--------|--------|--------|--------|--------|--------|
| STANDARD<br>TOOL<br>DIAMETER<br>NUMBER<br>(STDN) | 6-0-N  | 10-2-N | 16-0-N | 20-2-N | 26-0-N | 30-2-N |
|                                                  | 6-1-N  | 10-3-N | 16-1-N | 20-3-N | 26-1-N | 30-3-N |
|                                                  | 6-2-N  | 12-0-N | 16-2-N | 22-0-N | 26-2-N | 32-0-N |
|                                                  | 6-3-N  | 12-1-N | 16-3-N | 22-1-N | 26-3-N | 32-1-N |
| 4-0-N                                            | 8-0-N  | 12-2-N | 18-0-N | 22-2-N | 28-0-N | 32-2-N |
| 4-1-N                                            | 8-1-N  | 12-3-N | 18-1-N | 22-3-N | 28-1-N | 32-3-N |
| 4-2-N                                            | 8-2-N  | 14-0-N | 18-2-N | 24-0-N | 28-2-N | 36-0-N |
| 4-3-N                                            | 8-3-N  | 14-1-N | 18-3-N | 24-1-N | 28-3-N | 36-1-N |
| 4-4-N                                            | 10-0-N | 14-2-N | 20-0-N | 24-2-N | 30-0-N | 36-2-N |
|                                                  | 10-1-N | 14-3-N | 20-1-N | 24-3-N | 30-1-N | 36-3-N |