

# Hole Expansion Tools & Sets

## CAR REAMERS & HEX NUT REAMERS

### Type 50-AG

Car Reamers, Standard Flute 3-Flats on Shank

- All tools are constructed with left-hand spiral and right-hand cut.
- For use in enlarging previously formed or drilled holes.
- These reamers are especially designed for the reaming of structural steel plates commonly found in truck frames, rail cars, bridges, and pressure vessels.



| Part# | Shank Dia. | Overall Length | Dia. Inches | Point Dia. | Min. Starting Hole Size | Qty. per/Pk |
|-------|------------|----------------|-------------|------------|-------------------------|-------------|
| 06390 | 3/8"       | 4-5/8"         | *3/8"       | 0.244      | 9/32"                   | 1           |
| 06400 | 1/2"       | 5-7/8"         | *1/2"       | 0.291      | 5/16"                   | 1           |
| 06410 | 1/2"       | 5-7/8"         | *3/8"       | 0.291      | 5/16"                   | 1           |
| 06420 | 1/2"       | 6-3/8"         | *5/8"       | 0.323      | 11/32"                  | 1           |
| 06430 | 1/2"       | 6-3/8"         | 11/16"      | 0.385      | 13/32"                  | 1           |
| 06440 | 1/2"       | 6-7/8"         | *3/4"       | 0.416      | 7/16"                   | 1           |
| 06450 | 1/2"       | 6-7/8"         | 13/16"      | 0.478      | 1/2"                    | 1           |
| 06460 | 1/2"       | 6-7/8"         | 7/8"        | 0.510      | 17/32"                  | 1           |
| 06470 | 1/2"       | 6-7/8"         | 15/16"      | 0.595      | 19/32"                  | 1           |
| 06480 | 1/2"       | 6-7/8"         | 1"          | 0.604      | 5/8"                    | 1           |
| 06504 | 1/2"       | 6-7/8"         | 1-1/16"     | 0.635      | 21/32"                  | 1           |

| Part# | Shank Dia. | Overall Length | Dia. Inches | Point Dia. | Min. Starting Hole Size | Qty. per/Pk |
|-------|------------|----------------|-------------|------------|-------------------------|-------------|
| 06514 | 1/2"       | 6-7/8"         | 1-1/8"      | 0.670      | 11/16"                  | 1           |
| 06524 | 1/2"       | 6-7/8"         | 1-3/16"     | 0.710      | 3/4"                    | 1           |
| 06484 | 1/2"       | 6-7/8"         | 1-1/4"      | 0.729      | 3/4"                    | 1           |
| 06534 | 3/4"       | 6-7/8"         | 1-5/16"     | 0.785      | 13/16"                  | 1           |
| 06544 | 3/4"       | 6-7/8"         | 1-3/8"      | 0.820      | 7/8"                    | 1           |
| 06554 | 3/4"       | 6-7/8"         | 1-7/16"     | 0.860      | 29/32"                  | 1           |
| 06564 | 3/4"       | 6-7/8"         | 1-1/2"      | 0.900      | 15/16"                  | 1           |

**SET TYPE 50-AG Includes**  
12270 \*4PC. CR-4SP 3/8", 1/2", 5/8", 3/4"

### Type 51-AG

Car Reamers - Fast Spiral Hole Buster™ Super Premium 3-Flats on Shank

- Special Hi-Tungsten tool steel, gold surface treated body and clearance for maximum lubricity.
- The 51-AG, with the fast spiral, is the more aggressive of the two styles. It also will fit the needs of users who prefer a stop collar.



| Part# | Shank Dia. | Overall Length | Dia. Inches | Point Dia. | Min. Starting Hole Size | Qty. per/Pk |
|-------|------------|----------------|-------------|------------|-------------------------|-------------|
| 06381 | 5/16"      | 4-5/8"         | *5/16"      | 0.182      | 3/16"                   | 1           |
| 06391 | 3/8"       | 4-5/8"         | *3/8"       | 0.244      | 1/4"                    | 1           |
| 06501 | 7/16"      | 5-7/8"         | *7/16"      | 0.260      | 9/32"                   | 1           |
| 06401 | 1/2"       | 5-7/8"         | *1/2"       | 0.291      | 5/16"                   | 1           |
| 06411 | 1/2"       | 5-7/8"         | 9/16"       | 0.291      | 5/16"                   | 1           |
| 06421 | 1/2"       | 6-3/8"         | *5/8"       | 0.323      | 11/32"                  | 1           |
| 06432 | 1/2"       | 6-3/8"         | 0.652       | 0.385      | 13/32"                  | 1           |
| 06431 | 1/2"       | 6-3/8"         | 11/16"      | 0.385      | 13/32"                  | 1           |
| 06441 | 1/2"       | 6-7/8"         | *3/4"       | 0.416      | 7/16"                   | 1           |
| 06531 | 1/2"       | 6-7/8"         | 0.776       | 0.416      | 7/16"                   | 1           |
| 06451 | 1/2"       | 6-7/8"         | 13/16"      | 0.478      | 1/2"                    | 1           |
| 06461 | 1/2"       | 6-7/8"         | 7/8"        | 0.510      | 17/32"                  | 1           |
| 06471 | 1/2"       | 6-7/8"         | 15/16"      | 0.595      | 19/32"                  | 1           |

| Part# | Shank Dia. | Overall Length | Dia. Inches | Point Dia. | Min. Starting Hole Size | Qty. per/Pk |
|-------|------------|----------------|-------------|------------|-------------------------|-------------|
| 06481 | 1/2"       | 6-7/8"         | 1"          | 0.604      | 5/8"                    | 1           |
| 06491 | 1/2"       | 6-7/8"         | 1-1/16"     | 0.635      | 21/32"                  | 1           |
| 06541 | 1/2"       | 6-7/8"         | 1-1/8"      | 0.670      | 11/16"                  | 1           |
| 06551 | 1/2"       | 6-7/8"         | 1-3/16"     | 0.710      | 3/4"                    | 1           |
| 06482 | 1/2"       | 6-7/8"         | 1-1/4"      | 0.729      | 3/4"                    | 1           |
| 06561 | 3/4"       | 6-7/8"         | 1-5/16"     | 0.785      | 13/16"                  | 1           |
| 06571 | 3/4"       | 6-7/8"         | 1-3/8"      | 0.820      | 7/8"                    | 1           |
| 06581 | 3/4"       | 6-7/8"         | 1-7/16"     | 0.860      | 29/32"                  | 1           |
| 06591 | 3/4"       | 6-7/8"         | 1-1/2"      | 0.900      | 15/16"                  | 1           |

**SETS TYPE 51-AG Includes**  
12271 \*4PC. CR-4FS 3/8", 1/2", 5/8", 3/4"  
12281 \*4PC. SM-4FS 5/16, 3/8", 7/16", 1/2"



### Type 52-AG -Bridge Length Type 53-AG -Car Length Hex Nut Reamers Black & Gold Finish HSS-Spiral Flute

- Designed for aligning and enlarging holes in structural steel applications.
- Gold treated for maximum lubricity.

#### TYPE 52-AG BRIDGE LENGTH

| Part # | Diameter Inches | Hex Shank Inches | Flute Length | Overall Length | Qty. per/Pk |
|--------|-----------------|------------------|--------------|----------------|-------------|
| 20480  | 9/16"           | 1-1/16"          | 5-1/8        | 6-7/8          | 1           |
| 20490  | 5/8"            | 1-1/16"          | 6-1/8        | 7-7/8          | 1           |
| 20510  | 11/16"          | 1-1/16"          | 7-1/8        | 9-1/4          | 1           |
| 20520  | 3/4"            | 1-1/4"           | 7-3/8        | 9-3/8          | 1           |
| 20530  | 13/16"          | 1-1/4"           | 7-3/8        | 9-3/8          | 1           |
| 20540  | 7/8"            | 1-7/16"          | 7-3/8        | 9-3/8          | 1           |
| 20550  | 15/16"          | 1-7/16"          | 7-3/8        | 9-3/8          | 1           |
| 20560  | 1"              | 1-7/16"          | 7-3/8        | 9-3/8          | 1           |
| 20570  | 1-1/16"         | 1-5/8"           | 7-3/8        | 9-3/8          | 1           |
| 20500  | 1-1/8"          | 1-5/8"           | 7-3/8        | 9-3/8          | 1           |
| 20580  | 1-3/16"         | 1-13/16"         | 7-3/8        | 9-3/8          | 1           |
| 20590  | 1-5/16"         | 2"               | 7-3/8        | 10             | 1           |
| 21120  | 1-3/8"          | 2"               | 7-3/8        | 10             | 1           |
| 21130  | 1-7/16"         | 2"               | 7-3/8        | 10             | 1           |
| 21140  | 1-1/2"          | 2"               | 7-3/8        | 10             | 1           |
| 21150  | 1-9/16"         | 2"               | 7-3/8        | 10             | 1           |
| 21160  | 1-5/8"          | 2"               | 7-1/2        | 10             | 1           |

#### TYPE 53-AG CAR LENGTH

| Part # | Diameter Inches | Hex Shank Inches | Flute Length | Overall Length | Qty. per/Pk |
|--------|-----------------|------------------|--------------|----------------|-------------|
| 35580  | 9/16            | 1-1/16           | 4            | 5-1/2          | 1           |
| 35590  | 5/8             | 1-1/16           | 4-1/2        | 6              | 1           |
| 35610  | 11/16           | 1-1/16           | 4-1/2        | 6-3/8          | 1           |
| 35620  | 3/4             | 1-1/4            | 5            | 7              | 1           |
| 35630  | 13/16           | 1-1/4            | 5            | 7              | 1           |
| 35640  | 7/8             | 1-7/16           | 5            | 7              | 1           |
| 35650  | 15/16           | 1-7/16           | 5            | 7              | 1           |
| 35660  | 1"              | 1-7/16           | 5            | 7              | 1           |
| 35670  | 1-1/16          | 1-5/8            | 5            | 7              | 1           |
| 35600  | 1-1/8           | 1-5/8            | 5            | 7              | 1           |
| 35680  | 1-3/16          | 1-13/16          | 5            | 7              | 1           |
| 35690  | 1-5/16          | 2                | 5            | 7-7/8          | 1           |