

## Multi-Grip Domed Head

Carbon Steel  
Mandrel: Carbon Steel



- Extended grip range capability
- Mandrel head retention
- Good, rattle free, joint construction even in irregular holes

|                           |              |                         | DESCRIPTION                                    |           |             |      |      |       |       | BULK PACK      |                 | SMALL PACK     |            |              |
|---------------------------|--------------|-------------------------|------------------------------------------------|-----------|-------------|------|------|-------|-------|----------------|-----------------|----------------|------------|--------------|
|                           |              |                         |                                                |           |             |      |      |       |       | ARTICLE        | BOX QTY         | ARTICLE        | BOX QTY    |              |
| mm                        | mm           | mm                      |                                                | mm        | mm          | mm   | mm   | N     | N     |                |                 |                |            | kg           |
| <b>3.2</b><br>3.05 - 3.28 | 8.5<br>12.5  | 1.5 - 5.0<br>4.0 - 8.0  | <b>MG21-03208-510</b><br><b>MG21-03212-510</b> | 3.3 - 3.4 | 5.80 - 6.60 | 1.20 | 1.93 | 1,200 | 1,600 | 78663<br>78664 | 10,000<br>8,000 | 89665<br>89666 | 500<br>500 | 1.42<br>1.64 |
| <b>4.0</b><br>3.85 - 4.08 | 10.5<br>16.5 | 1.5 - 6.0<br>4.0 - 12.0 | <b>MG21-04010-510</b><br><b>MG21-04016-510</b> | 4.1 - 4.2 | 7.40 - 8.30 | 1.40 | 2.29 | 1,650 | 2,400 | 78665<br>78666 | 6,000<br>3,000  | 89667<br>89668 | 500<br>500 | 2.48<br>3.10 |
| <b>4.8</b><br>4.65 - 4.89 | 10.5<br>16.5 | 1.5 - 6.0<br>4.0 - 11.0 | <b>MG21-04810-510</b><br><b>MG21-04816-510</b> | 4.9 - 5.0 | 9.00 - 9.80 | 1.60 | 2.90 | 2,700 | 3,200 | 78667<br>78668 | 4,000<br>3,000  | 89669<br>89670 | 500<br>500 | 3.80<br>4.70 |

## Multi-Grip Large Flange

Carbon Steel  
Mandrel: Carbon Steel



- Extended grip range capability
- Mandrel head retention
- Good, rattle free, joint construction even in irregular holes
- **Large flange increases bearing surface for weaker, thinner materials**
- Suitable for oversized holes or slots under the head

|                           |              |                         | DESCRIPTION                                    |           |               |      |      |       |       | BULK PACK      |                | SMALL PACK     |            |              |
|---------------------------|--------------|-------------------------|------------------------------------------------|-----------|---------------|------|------|-------|-------|----------------|----------------|----------------|------------|--------------|
|                           |              |                         |                                                |           |               |      |      |       |       | ARTICLE        | BOX QTY        | ARTICLE        | BOX QTY    |              |
| mm                        | mm           | mm                      |                                                | mm        | mm            | mm   | mm   | N     | N     |                |                |                |            | kg           |
| <b>3.2</b><br>3.05 - 3.28 | 8.5<br>12.5  | 1.5 - 5.0<br>4.0 - 8.0  | <b>MG22-03208-510</b><br><b>MG22-03212-510</b> | 3.3 - 3.4 | 9.03 - 10.03  | 1.47 | 1.93 | 1,200 | 1,600 | 78669<br>78670 | 8,000<br>6,000 | 89671<br>89672 | 500<br>500 | 2.60<br>3.15 |
| <b>4.0</b><br>3.85 - 4.08 | 10.5<br>16.5 | 1.5 - 6.5<br>4.0 - 12.0 | <b>MG22-04010-510</b><br><b>MG22-04016-510</b> | 4.1 - 4.2 | 11.43 - 12.43 | 1.78 | 2.29 | 1,650 | 2,400 | 78671<br>78672 | 4,000<br>3,000 | 89673<br>89674 | 500<br>500 | 4.20<br>5.10 |
| <b>4.8</b><br>4.65 - 4.89 | 10.5<br>16.5 | 1.5 - 6.0<br>4.0 - 11.0 | <b>MG22-04810-510</b><br><b>MG22-04816-510</b> | 4.9 - 5.0 | 15.50 - 16.50 | 2.13 | 2.90 | 2,700 | 3,200 | 78673<br>78674 | 2,000<br>2,000 | 89675<br>89676 | 500<br>500 | 5.60<br>6.40 |

$d$ =Nominal Diameter, Min - Max Diameter;  $l$ =Body Length (+/- 0.5mm);  $g$ =Grip Range (Min - Max);  $d_h$ =Hole Size (Min - Max);  $d_k$ =Flange Diameter (Min - Max);  
 $k$ =Flange Thickness (Max);  $d_m$ =Nominal Mandrel Diameter;  $S$ =Nominal Shear Strength;  $T$ =Nominal Tensile Strength