

## Understanding the Part Numbers and Sizing of Ideal Fastener's Rivets

### Part Number Structure

#### 1. Initial Letter:

- All rivet part numbers start with an "R" which stands for rivet.

#### 2. Material Codes:

- The next two letters indicate the material of the body and the stem, respectively, as per the table below:

| Rivet Code | Material        |
|------------|-----------------|
| A          | Aluminium       |
| S          | Steel           |
| T          | Stainless Steel |

#### 3. Body Size Code:

- The next number denotes the rivet body size according to the following table:

| Code | Imperial | Metric | Standard Drill Size |
|------|----------|--------|---------------------|
| 3    | 3/32     | 2.4mm  | 2.5mm               |
| 4    | 1/8      | 3.2mm  | #30 (3.3mm)         |
| 5    | 5/32     | 4.0mm  | #20 (4.1mm)         |
| 6    | 3/16     | 4.8mm  | #11 (4.9mm)         |
| 8    | 1/4      | 6.4mm  | 6.5mm               |

#### 4. Grip Range Code:

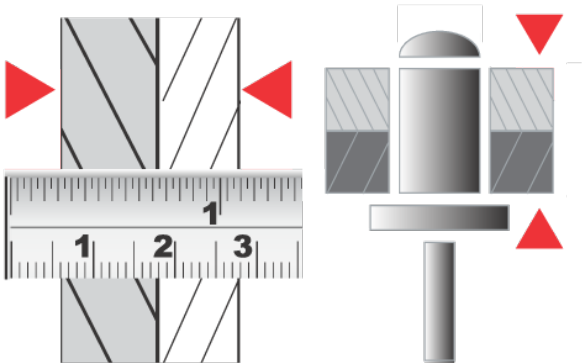
- The following code denotes the approximate grip range:

| Grip Code | Grip Range Imperial | Grip Range Metric | Grip Code | Grip Range Imperial | Grip Range Metric |
|-----------|---------------------|-------------------|-----------|---------------------|-------------------|
| 01        | 1/16                | 1.6mm             | 12        | 3/4                 | 19.1mm            |
| 02        | 1/8                 | 3.2mm             | 13        | 13/16               | 20.7mm            |
| 03        | 3/16                | 4.8mm             | 14        | 7/8                 | 22.3mm            |
| 04        | 1/4                 | 6.4mm             | 15        | 15/16               | 23.9mm            |
| 05        | 5/16                | 8.0mm             | 16        | 1                   | 25.4mm            |
| 06        | 3/8                 | 9.5mm             | 17        | 1-1/16              | 27.0mm            |
| 07        | 7/16                | 11.2mm            | 18        | 1-1/8               | 28.6mm            |
| 08        | 1/2                 | 12.7mm            | 19        | 1-3/16              | 30.2mm            |
| 09        | 9/16                | 14.3mm            | 20        | 1-1/4               | 31.8mm            |
| 10        | 5/8                 | 15.9mm            | 21        | 1-5/16              | 33.4mm            |
| 11        | 11/16               | 17.5mm            | 22        | 1-3/8               | 35.0mm            |

#### 5. Additional Codes:

- Additional elements of the part number may indicate the head type and the pack size:
  - Head Type: e.g., D = Domed, L = Long
  - Pack Size: e.g., H = Hang Pack, P = Pale (bucket)

**Step 1:** Measure the grip range. The grip range corresponds to the total thickness of the materials being joined together.



**Step 2:** Use the table below to determine the length of the blind rivet. The greater the diameter of the rivet, the stronger the join.

*Example: If you are going to join two metal plates with a grip of 13mm and want to use a 4.8mm diameter blank rivet, the rivet must be 18 mm long.*

| Ø mm | Measured Grip Range  | Required rivet height (mm) |
|------|----------------------|----------------------------|
| 3,2  | Between 2 and 4 mm   | 8mm                        |
| 4,0  | Between 2 and 5 mm   | 8mm                        |
| 4,0  | Between 6 and 9 mm   | 12mm                       |
| 4,0  | Between 8 and 10 mm  | 14mm                       |
| 4,0  | Between 9 and 12 mm  | 16mm                       |
| 4,0  | Between 12 and 15 mm | 18mm                       |
| 4,8  | Between 4 and 7 mm   | 10mm                       |
| 4,8  | Between 6 and 9 mm   | 12mm                       |
| 4,8  | Between 8 and 11 mm  | 14mm                       |
| 4,8  | Between 9 and 12 mm  | 16mm                       |
| 4,8  | Between 12 and 14 mm | 18mm                       |
| 4,8  | Between 14 and 16 mm | 20mm                       |
| 4,8  | Between 19 and 22 mm | 25mm                       |