

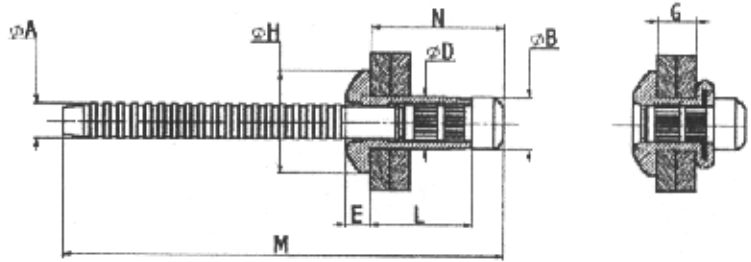
# Technical Data

Orlock®

Protruding head

Stainless Steel Body and Stem

U.S. Patent No. 5503510



| Size          | Part Number | L<br>+/- 0.3 | Grip Range |      | A<br>+/- 0.07 | Ø B<br>+/- 0.05 | Ø D<br>+/- 0.05 | E<br>+/- 0.2 | H<br>+/- 0.3 | M<br>+/- 2 | N<br>+/- 0.5 |
|---------------|-------------|--------------|------------|------|---------------|-----------------|-----------------|--------------|--------------|------------|--------------|
|               |             |              | Min        | Max  |               |                 |                 |              |              |            |              |
| 6.4<br>(1/4") | MBP-U8-105  | 10.5         | 1.8        | 4.8  | 4.17          | 6.45            | 6.40            | 3.0          | 13.0         | 50         | 14.5         |
|               | MBP-U8-125  | 12.5         | 3.8        | 6.8  |               |                 |                 |              |              | 52         | 16.5         |
|               | MBP-U8-145  | 14.5         | 4.8        | 8.8  |               |                 |                 |              |              | 54         | 18.5         |
|               | MBP-U8-165  | 16.5         | 6.8        | 10.8 |               |                 |                 |              |              | 56         | 20.5         |
|               | MBP-U8-185  | 18.5         | 8.8        | 12.8 |               |                 |                 |              |              | 58         | 22.5         |

| Part Number              | Shear Strength, N/Kgf |              | Tensile Strength, N/Kgf |            |
|--------------------------|-----------------------|--------------|-------------------------|------------|
|                          | Min.                  | Nom.         | Min.                    | Nom.       |
| MBP-U8-105               | 13244 / 1350          | 14126 / 1440 | 7848 / 800              | 8339 / 850 |
| MBP-U8-125 to MBP-U8-185 | 13636 / 1390          | 14519 / 1480 |                         |            |

|                    |                                                          |
|--------------------|----------------------------------------------------------|
| Body Material      | Austenitic Stainless Steel, AISI 304Cu, Werkstoff 1.4567 |
| Mandrel Material   | Austenitic Stainless Steel, AISI 304Cu, Werkstoff 1.4567 |
| Recommended Hole Ø | 6.6 – 6.8                                                |
| Nose piece Ø       | 4.4 – 4.5                                                |

- All dimensions are in millimeter.
- A riveting tool with minimum traction power of 1500 Kgf.  
**eg. LH-224 or FHU2000 from Aerobolt**
- Shear and tensile strength various due to different grip range, hole diameter and shape.

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