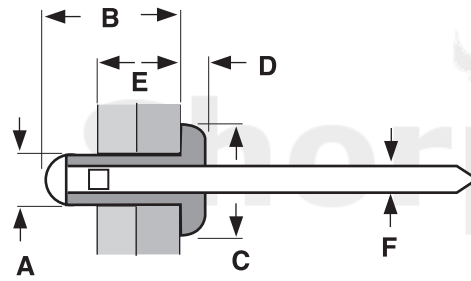


RIVETS

MULTI-GRIP, DOME HEAD Aluminum Body Steel Mandrel



| DOME HEAD MULTI-GRIP ALUMINUM BODY / STEEL MANDREL BLIND RIVETS | | | | | | | | | | Avdel |
|---|----------------|--------|---------------|-------------|------------|------|------------------|-----------------------|----------------|------------------|
| Part Number | A | B | C | D | E | | F | Recommended Hole Size | Shear Strength | Tensile Strength |
| | Rivet Diameter | Length | Head Diameter | Head Height | Grip Range | | Mandrel Diameter | | Pounds | Pounds |
| | | Max | Max | Max | Min | Max | | | Max | |
| D-0410 | 1/8 | .409 | .217 | .045 | .031 | .189 | .070 | .134 | 165 | 230 |
| D-0414 | | .530 | | | .125 | .312 | | | | |
| D-0512 | 5/32 | .480 | .257 | .058 | .046 | .250 | .082 | .165 | 255 | 375 |
| D-0516 | | .610 | | | .156 | .375 | | | | |
| D-0613 | 3/16 | .550 | .351 | .071 | .062 | .250 | .114 | .197 | 350 | 530 |
| D-0619 | | .730 | | | .187 | .437 | | | | |
| D-0621 | | .780 | | | .250 | .500 | | | | |
| D-0631 | | 1.09 | | | .500 | .781 | | | | |

| | |
|----------------------------------|--|
| Description | An aluminum blind fastener with a self-contained steel mandrel. The multi-grip rivet design differs from a standard blind rivet two ways: (1) a section of the body shank has a slightly reduced outside diameter, and (2) the stem of the mandrel is pinched at a point above the mandrel head. The head of the rivet is slightly rounded, similar to a pan head screw. |
| Applications / Advantages | Multi-grip rivets provide maximum clamping action over a full range of material thicknesses while using the same rivet length. This allows flexibility in design, cuts production costs and reduces inventories. Dome heads are used in standard applications which call for maximum clamp up and hole fill. They should be used when fastening materials with mechanical and physical properties similar to aluminum. |
| Material | Rivet Body: Aluminum Alloy 5251 or equivalent alloy. Mandrel: Low carbon steel |
| Shear Strength | Rivets shall have ultimate shear loads not less than the minimum ultimate shear loads specified for the applicable size given in the above table. |
| Tensile Strength | Rivets shall have ultimate tensile loads not less than the minimum ultimate tensile loads specified for the applicable size given in the above table. |

| DOME HEAD MULTI-GRIP RIVETS | |
|--|-------------|
| ALUMINUM RIVET / STEEL BLACK PHOSPHATE MANDREL | |
| Part Number Comparison | |
| Catalog Part # | Avdel Avex® |
| D-0410B | 1601-0410 |
| D-0414B | 1601-0414 |
| D-0512B | 1601-0512 |
| D-0516B | 1601-0516 |
| D-0613B | 1601-0613 |
| D-0619B | 1601-0619 |

| DOME HEAD MULTI-GRIP RIVETS | |
|-------------------------------------|-------------|
| ALUMINUM RIVET / STEEL ZINC MANDREL | |
| Part Number Comparison | |
| Catalog Part # | Avdel Avex® |
| D-0410Y | 1693-0410 |
| D-0414Y | 1693-0414 |
| D-0512Y | 1693-0512 |
| D-0613Y | 1693-0613 |
| D-0619Y | 1693-0619 |
| D-0621Y | 1693-0621 |
| D-0631Y | 1693-0631 |

*Rivets meet the same dimensions as those published by the manufacturers of the Avdel UK Limited brand.