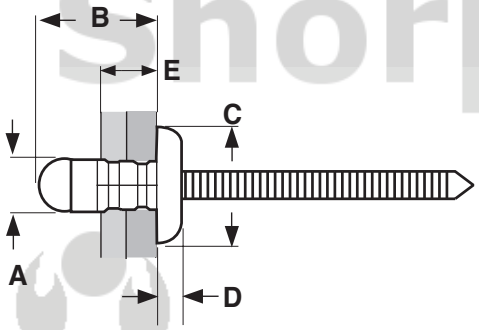
# TYPE "US" MULTI-GRIP, LOW PROFILE

**Steel Rivet**
**Steel Mandrel**




## LOW-PROFILE ALL-STEEL TYPE-US MULIT-GRIP RIVETS

Ornit

| Part Number | Ornit Part Number | Avdel Steel Avex® Part Number | A | B | C | D | E | Recommeneded Drill Size | Shear Strength | Tensile Strength |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Rivet Diameter | Length | Head Diameter | Head Height | Grip Range | | | |
| | | | | Ref | Ref | Ref | | | Pounds | Pounds |
| LS-0411 | US32090LM | 1624-0411 | 1/8 | .354 | .283 | .034 | .044-.156 | #30 | 340 | 385 |
| LS-0514 | US40110LM | 1624-0514 | 5/32 | .432 | .319 | .046 | .056-.196 | #20 | 440 | 530 |
| LS-0612 | US48103LM | 1624-0612 | 3/16 | .405 | .386 | .069 | .047-.187 | #11 | 810 | 750 |
| LS-0616 | US48127LM | 1624-0616 | 3/16 | .499 | .386 | .069 | .156-.250 | #11 | 1025 | 780 |

| | |
|---|---|
| **Description** | An all steel blind fastener with a self-contained mandrel. The multi-grip rivet designed differs from a standard blind rivet two ways: (1) the body has a somewhat reduced diameter from the area under the head, extending about halfway down the shank, and (2) the stem of the mandrel is pinched at a point above the mandrel head. The head has a dome shape. |
| **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. Steel mulit-grip rivets offer superior shear and tensile strength than like-sized aluminum/ steel mulit-grips and should be used when fastening materials with mechanical and physical properties similar to carbon steel. Dome heads are used in standard applications which call for miximum clamp-up and hole fill. |
| **Material** | ***Rivet Body:*** carbon steel<br>***Mandrel:*** carbon steel |
| **Shear Strength** | See above table for typical shear strength (assumes stem is in shear plane). |
| **Tensile Strength** | See above table for typical tensile strength |
| **Plating** | Both the rivet body and the mandrel are zinc coated. |