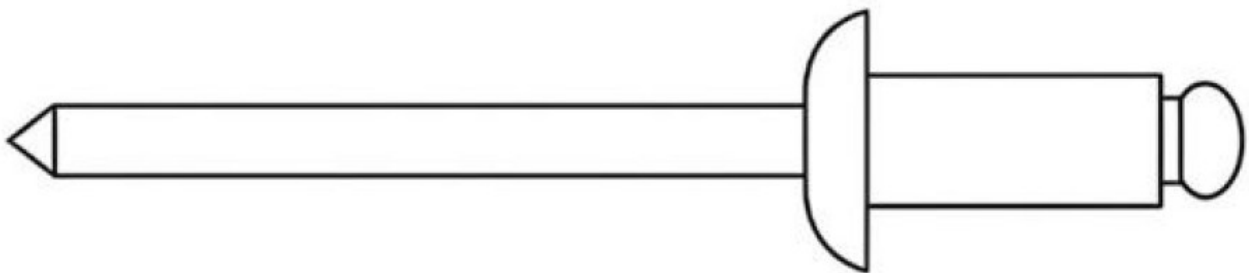
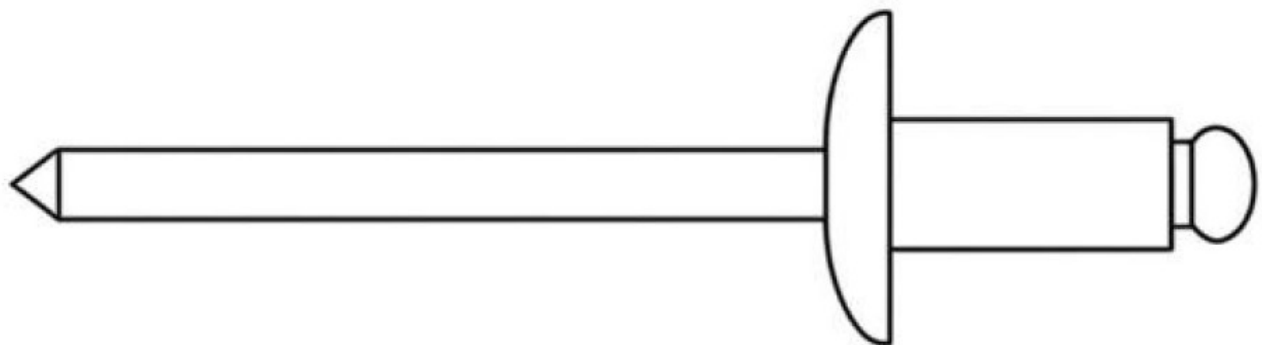


Large Flange Blind Rivets: Design, Features, and Industrial Applications

Stand blind rivets



large flange blind rivets



Wuxi, Jiangsu Oct 23, 2026 ([Issuewire.com](https://www.issuewire.com)) - [Large flange blind rivets](#), also named big head pop rivets, are a special type of single-sided fastening fastener with an extra-wide, oversized flange head compared to regular dome head blind rivets. The enlarged flange provides a much larger load-bearing area to disperse clamping pressure, effectively avoiding pull-through, cracking or deformation when joining thin, soft or brittle materials like plastic, plywood and ultra-thin metal sheets.

1. What Are Large Flange Blind Rivets? 1.1 Difference Between Standard Blind Rivets VS Large Flange Blind Rivets The most difference is flange diameter, We can take diameter 3.2/4/4.8 mm blind rivets for example. You can our difference data . 1.2 What Does “Large Flange” Mean for Rivet Bearing Surface

Large flanges expand this bearing surface. The broad flat head spreads clamping force across a far wider zone instead of concentrating pressure right at the hole edge.

2. Main Structure & Working Principle of Large Flange Blind Rivets 2.1 Main Components: Rivet Body, Oversized Flange Head, Mandrel

It is made of rivet body ,large flange and mandrel.

2.2 One-Side Installation Process of Large Flange Blind Rivets

Clamping and drilling holes, and inspect matching large flange blind rivets and debug the blind rivet gun before installation.

Insert the rivet vertically into the cleaned hole with its flange closely attached to the workpiece, then use a calibrated rivet gun to steadily clamp and pull the rivet core.

Complete the riveting until the rivet core breaks off, and finally check the connection to ensure it is firm, flat and defect-free.

3. Main Types of Large Flange Blind Rivets By Structure

. Open End Large Flange Blind Rivets

. Closed End Waterproof Large Flange Blind Rivets

. Color Coated Large Flange Pop Rivets (Black / White / Custom RAL)

. Stainless Steel Large Flange Rivets

4. Materials, Sizes & Surface Finishes for Large Flange Pop Rivets Common Material Combinations

. Alu-Steel Large Flange Blind Rivets

. Steel Steel Large Flange Blind Rivets

. Stainless Steel Large Flange Blind Rivets

Standard Diameter & Grip Range Sizes (2.4mm–6.4mm)

Diameter range: 2.4mm. 3.2mm. 4mm. 4.8mm. 6.4mm

Surface Treatment: Zinc Plated, Color Painted, Polished

. Polish for aluminium

.Zinc plated for steel

.Color painted for aluminium

5. Advantages & Typical Application Scenarios of Wide Flange Blind Rivets

5.1 Key Benefits of Oversized Flange Head Design

.The oversized flange head reach a much larger contact surface when fastened

.Its widened flange structure provides stronger anti-loosening resistance .

.It satisfy the need for extra flat washers in most assembly scenarios.

5.2 Suitable range

It is suitable for Soft & Thin Materials: Plastic, Wood, Thin Aluminum Sheet.

5.3 Industry Applications

It applies for Cabinets, Trailers, Furniture, Construction, EV Panels etc.

Comparison Table: Standard Blind Rivets vs Large-Flange Blind Rivets						
Serial No.	Nominal Diameter (Shank Diameter) mm	Standard Aluminum-Iron Rivet Max Head Diameter mm	Large-Flange Aluminum-Iron Rivet Max Head Diameter mm	Head Diameter Difference %	Recommended Drilling Hole Diameter mm	General Riveting Length Range mm
1	3.2	6.7	16	49.30%	3.3	6-25
2	4	9.4	12	42.90%	4.1	9-28
3	4.8	10.1	14	38.60%	4.9	10-30



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