

All Aluminum/
Dome Head

3-Star Bulbing Style

Rivets



3-STAR™ BULB-TYPE RIVETS, ALL ALUMINUM

Ornit

B	Part Number	L	D	H	W	M	Recommended Hole Size	G	Typical Strength (lbs.)	
Nominal Rivet Diameter		Shank Length	Head Diameter	Head Height	Mandrel Width	Mandrel Protrusion		Grip Range	Shear	Tensile
5/32	ADATSB-0516	.534	.314	.055	.094	1.18	.165 - .177	.039 - .118	112	225
	ADATSB-0523	.739						.039 - .275		
3/16	ADATSB-0619	.601	.346	.063	.114	1.18	.197 - .207	.039 - .118	202	247
	ADATSB-0625	.806						.039 - .354		
	ADATSB-0630	.963						.157 - .472		

Description

An aluminum blind fastener with a self-contained aluminum mandrel. The body of the rivet has three longitudinal slits extending from directly beneath the dome-shaped rivet head, down the shank but not completely to the head of the mandrel. The bottom portion of the shank is not slit and has a slightly smaller body diameter where the rivet is snug against the mandrel within it.

Applications/ Advantages

When the rivet is installed, the body disrupts on the blind side in a way that forms three petals which extend away from the mandrel head. This makes this rivet ideal in out-of-round or oversized holes. The rivet requires less pulling force during installation than does a standard blind rivet which makes it useful in thin, soft or brittle materials. Each size has a relatively wide grip range and is corrosion resistant.

Material

Rivet: Aluminum
Mandrel: Aluminum

Shear Strength

Typical shear strengths are listed in the above table.

Tensile Strength

Typical tensile strengths are listed in the above table.