



DOME ORLOCK® HIGH STRENGTH BLIND RIVETS

Ornit

Nominal Rivet Diameter & Material	Part Number	L	Grip Range	M	B	Recommended Hole Size	H	D	T	Typical Shear Strength (lbs.)
		Rivet Length (±.012)		Mandrel Nail Diameter (+.003, -.002)	Body Diameter (±.002)		Head Height (±.008)	Head Diameter (±.012)	Total Length (±.079)	
3/16 Steel/Steel	L48090P	0.354	.059 - .138	0.119	0.189	0.193 - 0.201	0.087	0.386	1.811	882
	L48115P	0.453	.138 - .236						1.929	1191
	L48140P	0.551	.236 - .335						2.008	1279
1/4 Alum/Alum	LH64105P	0.413	.110 - .189	0.164	0.250	0.260 - 0.268	0.118	0.512	1.969	992
	LH64125P	0.492	.189 - .268						2.047	
	LH64145P	0.571	.268 - .346						2.126	
1/4 Steel/Steel	LS65105P	0.413	.079 - .177	0.164	0.256	0.260 - 0.268	0.118	0.512	1.969	2315
	LS65125P	0.492	.118 - .256						2.047	2426
	LS65145P	0.571	.197 - .335						2.126	2867
	LS65165P	0.650	.276 - .413						2.205	3043
	LS65185P	0.728	.354 - .492						2.284	3263

Description	A blind fastener with a self-contained mandrel. The body of the rivet has a dome-shaped head and a shank which tapers slightly where it meets the mandrel head. The mandrel is designed with two sets of longitudinal grooves that provides internal friction at both ends of the fastening. The section of the mandrel that protrudes above the head of the rivet has circumferential serrations that helps the tool to grip the mandrel during installation. This top portion of the mandrel ultimately breaks away once the rivet has been installed.	
Applications/Advantages	The double-locking system ensures that the mandrel remains tightly fitted within the rivet body, rendering it highly resistant to vibration and water. The internal friction system with differential force load provides maximum clamp-up without deforming the materials being gripped. This rivet is designed for heavy industrial use, including automotive, commercial vehicles, buses, railway cars, farm equipment and electrical engineering.	
Material	<i>All Aluminum variety:</i>	<i>All Steel variety:</i>
	Rivet Body- Aluminum 5052 Mandrel- Aluminum Almg 6.0 or equivalent	Rivet body- Low carbon steel with zinc yellow chromate; Mandrel- Carbon steel with zinc yellow chromate
Shear Strength	Typical shear strengths are listed in the above table.	Typical shear strengths are listed in the above table.
Tensile Strength	1/4" nominal rivet diameter: 772 lbs.	3/16" nominal rivet diameter: 661 lbs. 1/4" nominal rivet diameter: 1654 lbs.