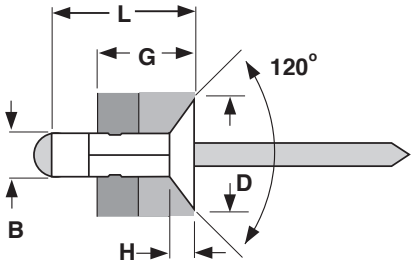
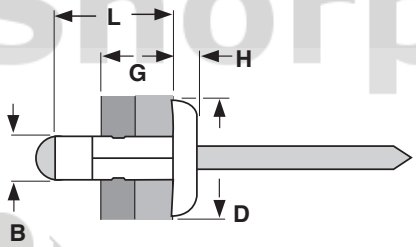
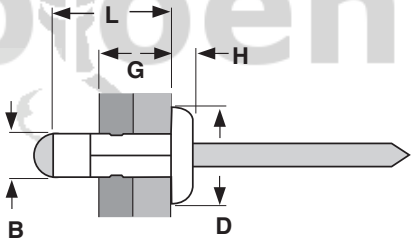
Steel Body Steel Mandrel

MULTI-GRIP: DOME, COUNTERSUNK & LARGE FLANGE







COUNTERSUNK **LARGE FLANGE** **DOME HEAD**

All Steel Multi-Grip Blind Rivets

Ornit

Head Style	Part Number	B Nominal Rivet Diam.	Drill Size	L Rivet Body Length	G Grip Range	D Head Diameter	H Head Height	Typical Strength (lbs.) Shear	Tensile
Countersunk	SF48110K	3/16”	11	.43	.098 - .236	.341	.051	990	858
	SF48140K			.55	.118 - .354				
	SF48170K			.67	.157 - .472				
	SF48220K			.86	.335 - .650				
Extra Large Flange	SF48110L	3/16”	11	.43	.039 - .236	.624	.069	990	858
	SF48140L			.55	.039 - .354				
	SF48170L			.67	.118 - .472				
Dome	SF32090D	1/8”	30	.35	.043 - .157	.283	.033	339	385
	SF32130D			.51	.039 - .354				
	SF40110D	5/32”	20	.43	.055 - .197	.319	.047	440	528
	SF40140D			.53	.055 - .315				
	SF48110D	3/16”	11	.43	.039 - .236	.386	.057	990	858
	SF48140D			.55	.039 - .354				
	SF48170D			.67	.118 - .472				

Description	An all steel blind fastener with a self-contained steel mandrel. The multi-grip rivet design differs from a standard blind rivet two ways: (1) the body shank has several circumferential indents equidistant from each other, and (2) the stem of the mandrel is pinched at a point above the mandrel head. Three head styles are available: dome, large flange and countersunk.
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. All steel multi grip rivets offer greater shear and tensile strength than like-sized aluminum/steel multi 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 maximum clamp-up and hole fill. The large flange style is preferred when the rivet is seated in soft material. The countersunk head style provides a smooth offside surface and sufficient clearance for moving parts which pass over the rivet head.
Material	***Rivet:*** Low carbon steel ***Mandrel:*** Low 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.