## ALUMINUM RIVET/ ALUMINUM MANDREL

			Н		Е		P	F	Ultimate	Ultimate	Mandrel Brook Lood	
Nominal Rivet Diameter	Rivet Shank Diameter		Head Diameter		Head Height	Mandrel Diameter	landrel Mandrel Blind liameter Protrusion Protr		Load	Load	DIEAK LUdu	
	Мах	Min	Мах	Min	Мах	Nom	Min	Мах	Min, lb.	Min, Ib.	Max	<b>Min</b>
3/32	0.096	0.090	0.198	0.178	0.032	0.057	1.00	L + 0.100	70	150	240	250
1/8	0.128	0.122	0.262	0.238	0.040	0.076	1.00	<b>L +</b> 0.120	120	220	<b>400</b>	2 0 U
5/32	0.159	0.153	0.328	296	0.050	0 095	1.00	L + 0.140	190	320	825	42 <b>5</b>
3/16	0.191	0.183	0.394	0.356	0.060	0.114	]	<b>L +</b> 0.160	260	560	1400	1100
1/4	0.255	0.246	0.525	0.475	0.080	0.151	1.20	L + 0.180	460	500	1400	1100

Description	An aluminum blind fastener which has a self-contained mechanical feature (a mandrel) which permits the formation of an upset on the blind end of the rivet and expansion of the rivet shank during rivet setting to join the component parts of an assembly. The aluminum mandrel is pulled into or against the rivet body, breaking at or near the junction of the mandrel shank and its upset end. The dome head is slightly rounded and twice as wide as the body diameter.					
Applications/ Advantages	Dome head is the most commonly specified head style because of its low profile and neat, finished appearance. Aluminum/aluminum rivets have the lowest tensile and shear values of all break mandrel rivets. They should be used when fastening materials with similar mechanical and physical properties.					
Material	<i>Rivet:</i> Aluminum Alloy 5050 or 5052 or equivalent alloy.Rivets have no additional finish except for sizes #42 & 44 which are also available painted white. <i>Mandrel:</i> Aluminum Alloy 7178, 7075, 5056 or 2024 or equivalent alloy.					
Shear Strength	Rivets shall have ultimate shear loads not less than the minimum ultimate shear loads specified for the applicable size given in the above table.					
Tensile Strength	Rivets shall have ultimate tensile loads not less than the minimum ultimate tensile loads specified for the applicable size given in the above table.					
Mandrel Break Load	While the rivet is being set, the axially applied load necessary to break the mandrel shall be within the limits specified for the applicable rivet size given in the above table.					