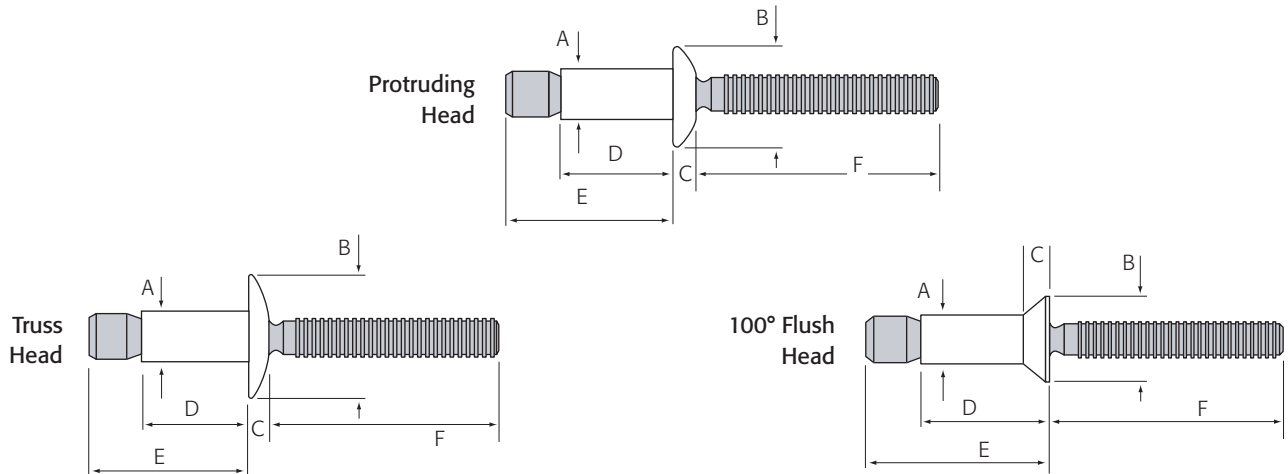


# Data and Dimensions

## Head style options



### Protruding Head Dimensions

Diameter	Steel (R)	Aluminum (B)	Stainless (U)	Grip Range	Hole Size	A Nom	B Max	C Max	D Max	E Max	F Min
6 (3/16")	MGLP-R6-4	MGLP-B6-4	MGLP-U6-4	.062 - .270	.191 - .201	.187	.385/.392(U)	.085/.101(U)	.415	.733/.728(U)	.980/969(U)
	MGLP-R6-7	MGLP-B6-7	MGLP-U6-7	.214 - .437	.191 - .201	.187	.385/.392(U)	.085/.101(U)	.582	.892/.889(U)	0.968/.955(U)
	MGLP-R6-E	MGLP-B6-E	MGLP-U6-E	.062 - .437	.191 - .201	.187	.385/.392(U)	.085/.101(U)	.582	1.031/1.026(U)	.991/.98(U)
	MGLP-R6-10		MGLP-U6-10	.455 - .665	.191 - .201	.187	.385/.392(U)	.085/.101(U)	.810	1.106	.941/.925 (U)
8 (1/4")	MGLP-R8-6	MGLP-B8-6	MGLP-U8-6	.080 - .375	.261 - .272	.253	.530	.120	.560	.984	1.043/1.046(B)
	MGLP-R8-10	MGLP-B8-10	MGLP-U8-10	.350 - .625	.261 - .272	.253	.530	.120	.810	1.234	1.043/1.046(B)
	MGLP-R8-14	MGLP-B8-14		.580 - .875	.261 - .272	.253	.530	.120	1.060	1.484	1.043/1.046(B)
	MGLP-R8-18			.830 - 1.125	.261 - .272	.253	.530	.120	1.310	1.734	1.043
	MGLP-R8-22	MGLP-B8-22		1.080 - 1.375	.261 - .272	.253	.530	.120	1.560	1.984	1.295
	MGLP-R8-E	MGLP-B8-E	MGLP-U8-E	.080 - .625	.261 - .272	.253	.530	.120	.810	1.419/1.415(B)	1.043/1.048(B)
12 (3/8")	MGLP-R12-12	MGLP-B12-12	MGLP-4U12-12	.120 - .625	.392 - .408	.386	.793	.175	.845	1.476	1.545
	MGLP-R12-18	MGLP-B12-18	MGLP-4U12-18	.625 - 1.125	.392 - .408	.386	.793	.175	1.410	2.101	1.475
16 (1/2")	MGLP-R16-12	MGLP-B16-12		.160 - .750	.531 - .563	.514	1.060	.240	1.406	2.268	1.208

### Truss Head Dimensions

Diameter	Steel (R)	Aluminum (B)	Stainless (U)	Grip Range	Hole Size	A Nom	B Max	C Max	D Max	E Max	F Min
6 (3/16")	MGLT-R6-4	MGLT-B6-4	MGLT-U6-4	.062 - .270	.191 - .201	.187	.530	.095/.104(U)	.415	.733	.973/.964(U)
	MGLT-R6-7	MGLT-B6-7	MGLT-U6-7	.214 - .437	.191 - .201	.187	.530	.095/.104(U)	.582	.892	.961/.952(U)
	MGLT-R6-E	MGLT-B6-E		.062 - .437	.191 - .201	.187	.530	.095	.582	1.031	.984
8 (1/4")	MGLT-R8-6	MGLT-B8-6		.080 - .375	.261 - .272	.253	.592	.120	.560	.984	1.043/1.046(B)
	MGLT-R8-10	MGLT-B8-10		.350 - .625	.261 - .272	.253	.592	.120	.810	1.234	1.043/1.046(B)
	MGLT-R8-E	MGLT-B8-E		.080 - .625	.261 - .272	.253	.592	.120	.810	1.419	1.043/1.046(B)

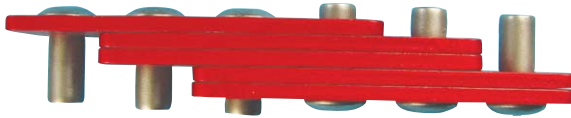
### 100° Flush Head Dimensions

Diameter	Steel (R)	Aluminum (B)	Stainless (U)	Grip Range	Hole Size	A Nom	B Max	C Max	D Max	E Max	F Min
6 (3/16")	MGL100-R6-6	MGL100-B6-6	MGL100-U6-6	.125 - .331	.191 - .201	.187	.350	.080	.490	.809 .804(U)	.987/.992(U)
	MGL100-R6-9	MGL100-B6-9	MGL100-U6-9	.305 - .500	.191 - .201	.187	.350	.080	.660	.968/.965(U)	.975/.978(U)
8 (1/4")	MGL100-R8-8	MGL100-B8-8	MGL100-U8-8	.160 - .475	.261 - .272	.253	.410	.090	.665	1.089/1.085(U)	1.055/1.058(B)/ 1.059(U)
	MGL100-R8-12	MGL100-B8-12	MGL100-U8-12	.415 - .725	.261 - .272	.253	.410	.090	.915	1.339/1.335(U)	1.055/1.058(B)/ 1.059(U)
	MGL100-R8-E16.4			.470 - 1.000	.261 - .272	.253	.410	.090	1.185	1.798	1.154
12 (3/8")	MGL100-R12-12	MGL100-B12-12		.240 - .750	.392 - .408	.386	.632	.134	1.030	1.662	1.533
	MGL100-R12-20	MGL100-B12-20		.740 - 1.250	.392 - .408	.386	.632	.134	1.530	2.222	1.528
16 (1/2")	MGL100-R16-12	MGL100-B16-12		.375 - .750	.531 - .563	.514	.870	.197	1.360	2.206	1.503

## Installed Values in Nominal Grip

Material	Diameter	Shear (lbf)		Tensile (lbf)		Pin Retention (lbf)	
		Min	Typical	Min	Typical	Min	Typical
Steel	6 (3/16")	1300	1450	1000	1200	150	250
	8 (1/4")	2500	2750	1850	2200	300	400
	12 (3/8")	6000	6300	4000	5000	600	1000
	16 (1/2")	10000	11200	7000	9400	1000	1700
Aluminum	6 (3/16")	600	700	500	580	75	150
	8 (1/4")	1300	1300	890	950	100	220
	12 (3/8")	2950	3000	1900	2100	250	450
	16 (1/2")	5100	5400	4100	4300	400	800
300 Series Stainless	6 (3/16")	1300	1400	950	1100	100	125
	8 (1/4")	2350	2500	1800	2000	200	250

### The grip range view



For applications requiring a wide grip range, or multiple applications with similar requirements, the extended-grip Magna-Lok is capable of spanning the range of several conventional blind rivets. This versatility can eliminate as many as six standard rivets, reducing inventory, rework, and cost. Shown here, the MGLP-R8-E performs perfectly at .080 inch or .625 inch.

### The installed view



Magna-Lok's internal 360° solid-circle lock ensures a flush pin break each and every time. This unique feature also assures a uniform blind-side footprint throughout the grip range. Combined with the hole filling feature, the Magna-Lok produces consistent mechanical values.

