



**Aluminum  
Umbrella Plugs:**  
For 3/16 Dia. Rivets



**MPA-6  
&  
MPA-61**

**must only be used with  
aluminum 3/16 POP rivets**

HEAD STYLE ALLOY	DIA	MFG PART #	BYLER PART #	GRIP RANGE	DIMENSIONS		MIN STRENGTH LBS.			HOLE SIZE
					L MAX	H	E +/- .004	SHEAR	TENSILE	DRILL NO.
<b>COUNTERSUNK</b> Aluminum Rivet/ Aluminum Mandrel	1/8	AK42ABS	101104022	.063-.125	.275	.207-.233	.031	155	235	.129-.133 #30
		AK43ABS	101104032	.126-.187	.337					
		AK44ABS	101104042	.188-.250	.400					
AK45ABS		101104052	.251-.312	.462						
	5/32	AK54ABS	101105042	.188-.250	.425	.268-.294	.040	225	350	.160-.164 #20
		AK56ABS	101105062	.313-.375	.550					
	3/16	AK64ABS	101106042	.126-.250	.450	.335-.361	.050	315	500	.192-.196
<b>DOME HEAD</b> Aluminum Rivet/ Aluminum Mandrel	3/32	AD32ABS	101103021	.020-.125	.250	.178-.198	.032	85	135	.097-.100 #41
		AD34ABS	101103041	.126-.250	.375					
		AD36ABS	101103061	.251-.375	.500					
	1/8	AD41ABS	101104011	.020-.062	.212	.238-.262	.040	155	235	.129-.133 #30
		AD42ABS	101104021	.063-.125	.275					
		AD43ABS	101104031	.126-.187	.337					
		AD44ABS	101104041	.188-.250	.400					
		AD45ABS	101104051	.251-.312	.462					
		AD46ABS	101104061	.313-.375	.525					
		AD48ABS	101104081	.376-.500	.650					
	AD410ABS	101104101	.501-.625	.775						
	5/32	AD53ABS	101105031	.126-.187	.362	.296-.328	.050	225	350	.160-.164 #20
		AD54ABS	101105041	.188-.250	.425					
		AD56ABS	101105061	.251-.375	.550					
		AD58ABS	101105081	.376-.500	.675					
		AD510ABS	101105101	.501-.625	.800					
	3/16	AD62ABS	101106021	.020-.125	.325	.356-.394	.060	315	500	.192-.196 #11
		AD64ABS	101106041	.126-.250	.450					
		AD66ABS	101106061	.251-.375	.575					
		AD68ABS	101106081	.376-.500	.700					
AD610ABS		101106101	.501-.625	.825						
AD612ABS		101106121	.626-.750	.950						
AD614ABS		101106141	.751-.875	1.075						
AD616ABS		101106161	.876-1.00	1.200						
1/4	AD84ABS	101108041	.125-.250	.500	.475-.525	.080	600	750	.257-.261 F"	
	AD86ABS	101108061	.251-.375	.625						
	AD88ABS	101108081	.376-.500	.750						
	AD810ABS	101108101	.501-.625	.875						
	AD812ABS	101108121	.626-.750	1.00						
	AD814ABS	101108141	.751-.875	1.125						
	AD816ABS	101108161	.876-1.00	1.250						
<b>LARGE FLANGE</b> Aluminum Rivet/ Aluminum Mandrel	1/8	AD42ABSLF	101104023	.020-.125	.275	.360-.390	.032~ .065	155	235	.129-.133 #30
		AD44ABSLF	101104043	.126-.250	.400					
		AD46ABSLF	101104063	.251-.375	.525					
	5/32	AD54ABSLF	101105043	.188-.250	.379	.448-.488	.039~ .075	225	350	.160-.164 #20
		AD56ABSLF	101105063	.251-.375	.504					
	3/16	AD64ABSLF	101106043	.126-.250	.450	.600-.650	.047~ .075	315	500	.192-.196 #11
		AD66ABSLF	101106063	.251-.375	.575					
		AD68ABSLF	101106083	.376-.500	.700					
		AD610ABSLF	101106103	.501-.625	.825					
		AD612ABSLF	101106123	.626-.750	.950					
		AD616ABSLF	101106163	.876-1.00	1.200					
		AD618ABSLF	101106183	1.00-1.125	1.277					
	1/4	AD86ABSLF	101108063	.251-.375	.635	.740-.750	.069~ .107	600	750	.257-.261 F"
AD88ABSLF		101108083	.376-.500	.760						

\*Minimums and lead times may apply.

~ Head heights differ among manufacturers.