



# BBI Preferred Rivets™

"Preferred by professionals"



### Application Data for Countersunk Head Style Break Mandrel Blind Rivets

Rivet Series No.	Nom Rivet Size		Recommended Drill Size	Recommended Hole Size	Rivet No.	Grip Range	Rivet Body Length, L
				Max			Ref
3	3/32	0.0938	#41	0.100	32	0.079-0.125	0.225
4	1/8	0.1250	#30	0.133	42	0.092-0.125	0.250
					43	0.126-0.187	0.313
					44	0.188-0.250	0.375
					45	0.251-0.312	0.438
					46	0.313-0.375	0.500
					48	0.376-0.500	0.625
5	5/32	0.1562	#20	0.164	53	0.120-0.187	0.337
					54	0.188-0.250	0.400
					56	0.251-0.375	0.525
					58	0.376-0.500	0.650
6	3/16	0.1875	#11	0.196	63	0.151-0.187	0.387
					64	0.188-0.250	0.425
					66	0.251-0.375	0.555
					68	0.376-0.500	0.675
					610	0.501-0.625	0.825

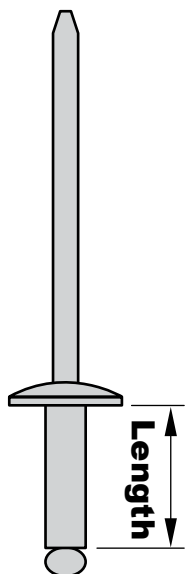
**Dome Head Style. Open Ended Rivet. Sizes 4-2 thru 8-12. As per IFI 114.**

**Steel / Steel:** Plated Carbon Steel Rivet / Steel Mandrel / Grade 30

**Aluminum / Aluminum:** 5052 Aluminum Rivet / Aluminum Mandrel / Grade 11

**Aluminum / Steel:** 5056 Aluminum Rivet / Carbon Steel Mandrel / Grade 19

**Stainless Steel / Stainless Steel:** 304 Stainless Steel Rivet / 304 Stainless Steel Mandrel / Grade 51



### Ultimate Shear and Tensile Strengths

Nominal Rivet Size (Inch)	Minimum Ultimate Shear Strength (lbs)				Minimum Ultimate Tensile Strength (lbs)			
	Grade 11	Grade 19	Grade 30	Grade 51	Grade 11	Grade 19	Grade 30	Grade 51
3/32 0.0938	70	90	130	360	80	120	170	280
1/8 0.1250	120	170	260	420	150	220	310	530
5/32 0.1562	190	260	370	650	230	350	470	820
3/16 0.1875	260	380	540	950	320	500	680	1200
1/4 0.2500	460	700	1000	1700	560	920	1240	2100

DISCLAIMER \*Countersunk rivet not shown

### Application Data

Rivet Series No.	Nominal Rivet Size	Recommended Drill Size	Recommended Hole Size	Rivet No.	Grip Range	Rivet Body Length				
			Max			Max				
3	3/32 0.0938	#41	0.100	32	0.031-0.125	0.250				
				34	0.126-0.250	0.375				
				36	0.251-0.375	0.500				
				38	0.376-0.500	0.625				
				310	0.501-0.625	0.750				
4	1/8 0.1250	#30	0.133	41	0.031-0.062	0.212				
				42	0.063-0.125	0.275				
				43	0.126-0.187	0.337				
				44	0.188-0.250	0.400				
				45	0.251-0.312	0.462				
				46	0.313-0.375	0.525				
				48	0.376-0.500	0.650				
				410	0.501-0.625	0.775				
				412	0.626-0.750	0.900				
				414	0.751-0.875	1.025				
5	5/32 0.1562	#20	0.164	52	0.031-0.125	0.300				
				53	0.126-0.187	0.362				
				54	0.188-0.250	0.425				
				56	0.251-0.375	0.550				
				58	0.376-0.500	0.675				
				510	0.501-0.625	0.800				
				512	0.626-0.750	0.925				
				514	0.751-0.875	1.050				
				516	0.876-1.000	1.175				
				518	1.001-1.125	1.300				
6	3/16 0.1875	#11	0.196	62	0.031-0.125	0.325				
				63	0.126-0.187	0.387				
				64	0.188-0.250	0.450				
				66	0.251-0.375	0.575				
				68	0.376-0.500	0.700				
				610	0.501-0.625	0.825				
				612	0.626-0.750	0.950				
				614	0.751-0.875	1.075				
				616	0.876-1.000	1.200				
				618	1.001-1.125	1.325				
				620	1.126-1.250	1.450				
				622	1.251-1.375	1.575				
				8	1/4 0.2500	F	0.261	82	0.020-0.125	0.375
								84	0.126-0.250	0.500
86	0.251-0.375	0.625								
88	0.376-0.500	0.750								
810	0.501-0.625	0.875								
812	0.626-0.750	1.000								
814	0.751-0.875	1.125								
816	0.876-1.000	1.250								
818	1.001-1.125	1.375								
820	1.126-1.250	1.500								
822	1.251-1.375	1.625								
824	1.376-1.500	1.750								

All dimensions are in Inches