



SOLID RIVETS, FLAT HEAD								ANSI/ASME B18.1.1
Nominal Size or Basic Shank Diameter		P		D		H		
		Shank Diameter		Head Diameter		Head Height		
		Max	Min	Max	Min	Max	Min	
1/16	0.062	0.064	0.059	0.140	0.120	0.027	0.017	
3/32	0.094	0.096	0.090	0.200	0.180	0.038	0.026	
1/8	0.125	0.127	0.121	0.260	0.240	0.048	0.036	
5/32	0.156	0.158	0.152	0.323	0.301	0.059	0.045	
3/16	0.188	0.191	0.182	0.387	0.361	0.069	0.055	
7/32	0.219	0.222	0.213	0.453	0.427	0.080	0.065	
1/4	0.250	0.253	0.244	0.515	0.485	0.091	0.075	
9/32	0.281	0.285	0.273	0.579	0.545	0.103	0.085	
5/16	0.312	0.316	0.304	0.641	0.607	0.113	0.095	
11/32	0.344	0.348	0.336	0.705	0.667	0.124	0.104	
3/8	0.375	0.380	0.365	0.769	0.731	0.135	0.115	
13/32	0.406	0.411	0.396	0.834	0.790	0.146	0.124	
7/16	0.438	0.443	0.428	0.896	0.852	0.157	0.135	
Tolerance on Length				Plus		Minus		
				0.016		0.016		

<b>Description</b>	A small, flat-head metal fastener having no internal cavity, made of a malleable material.
<b>Applications/ Advantages</b>	Designed to permanently join two or more pieces of metal with pre-drilled holes. Flat head design is sometimes preferred over the pan head to improve the product's finished appearance.
<b>Material</b>	Grade 0 solid rivets shall be made from steel which conforms to the following chemical composition ladle analysis: <i>Phosphorous</i> : 0.040% maximum; <i>Sulfur</i> : 0.050% maximum
<b>Hardness</b>	Rockwell B 65 maximum
<b>Tensile Strength</b>	40,000 - 55,000 psi.
<b>Yield Point</b>	23,000 psi., minimum
<b>Elongation in 8 in.</b>	27%, minimum