







## TABLE I

I	BOLT	т	ØA	ØВ	ØС	Е
	SIZE	THREAD CLASS 3B	±.003	±.003		
		THREAD CEASS SD				
	440	.112-40UNJC	.116	.216	.375	13°
	632	.1380-32UNJC	.142	.278	.500	13°
	832	.1640-32UNJC	.168	.278	.500	13°
	1032	.1900-32UNJF	.194	.309	.625	13°
	428	.2500-28UNJF	.256	.372	.750	14°
	524	.3125-24UNJF	.318	.466	.875	14°

## TABLE II

MATL	MATERIAL	FINISH			
CODE	IMATERIAL	FINISH			
0	AL ALLOY, GRADE 2024, TEMPER T4 OR T351	ANODIZE PER MIL-A-8625 TYPE I			
	PER SAE-AMS-QQ-A-225/6				
6	CORROSION RESISTANT STEEL, TYPE 303	PASSIVATE PER ASTM-A967			
0	CRES PER ASTM A 582				
9	CARBON STEEL PER ASTM A 108	CAD PLATE PER SAE-AMS-QQ-P-			
5	CARBON STELL FER ASTIMA 108	416, TYPE II, CLASS 2			

NOTES:

ANY COMBINATION OF SLEEVE AND PLUG WITHIN BOLT SIZE MAY BE USED.
.033±.003 ON 524 SIZE.
.REFER TO TABLE III TO SELECT PLUG/SLEEVE COMBINATION FOR A GIVEN PANEL THICKNESS.
.THE W103 SERIES GROMMETS ARE SELF-RETAINED THROUGH A TELESCOPIC PRESS FIT.

5. CONSULT THE WITTEN COMPANY ENGINEERING DEPARTMENT FOR OTHER FINISHES, MATERIALS, OR SIZES.

WITTEN COMPANY 918-272-9567

APPROVAL DATE: 11/10/2020

GAGE CODE: 0JHK5



## **W103** INSERT: GROMMET TYPE, THREADED

					TABLE	111		
PANEL	PLUG				SLEEVE			
THICKNESS		G			Н			
MINIMUM	LENGTH	SIZE CODE		LENGTH	SIZE CODE			
F.00	CODE	4, 6, 8, 10	25	31	CODE	440, 632, 832, 1032	428	524
.500	0	.085	.120	NA	08	.415	.380	NA
.515	01	.100 .116	.135					
.546	11	.110	.151					
.562	2	.147	.183					
.502	21	.162	.198					
.594	3	.179	.214					
.609	31	.194	.230					
.625	0	.085	.120	.190				
.640	01	.100	.135	.206	10	.540	.505	.435
.656	1	.116	.151	.221				
.672	11	.131	.167	.237				
.687	2	.147	.183	.252				
.702	21	.162	.198	.268				
.719	3	.179	.214	.283				
.734	31	.194	.230	.298				
.750	0	.085	.120	.190		.665	.630	.560
.765	01	.100	.135	.206				
.781 .796	1 11	.116 .131	.151 .167	.221 .237				
.750	2	.131	.107	.257	12			
.827	21	.162	.198	.252				
.844	3	.179	.214	.283				
.859	31	.194	.230	.298				
.875	0	.085	.120	.190		.790	.755	.685
.890	01	.100	.135	.206				
.906	1	.116	.151	.221				
.921	11	.131	.167	.237	14			
.937	2	.147	.183	.252	14			
.952	21	.162	.198	.268				
.969	3	.179	.214	.283				
.984	31	.194	.230	.298				
1.000	0	.085	.120	.190		.915	.880	.810
1.015	01	.100	.135	.206				
1.031	1	.116	.151	.221				
1.046 1.062	11 2	.131 .147	.167 .183	.237 .252	16			
1.062	2	.147	.185	.252				
1.094	3	.102	.214	.283				
1.109	31	.194	.230	.298				
1.125	0	.085	.120	.190				
1.140	01	.100	.135	.206	18	1.040	1.005	.935
1.156	1	.116	.151	.221				
1.171	11	.131	.167	.237				
1.187	2	.147	.183	.252				
1.202	21	.162	.198	.268				
1.219	3	.179	.214	.283				
1.234	31	.194	.230	.298				
1.250	0	.085	.120	.190		1.165		1.060
1.265	01	.100	.135	.206				
1.281	1	.116	.151	.221			1.130	
1.296	11	.131	.167	.237	20			
1.312	2	.147	.183	.252				
1.327	21 3	.162	.198	.268				
1.343 1.359	31	.179 .194	.214 .230	.283 .298				
1.335	1	.174	.230	.270				

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