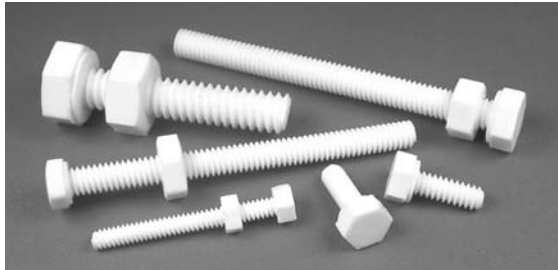


TB-206 Alumina Screws, Nuts And Washers



Alumina (A998) Hex Head Screws, Nuts and Washers

- 99.8% Pure Alumina
- Metric sizes also available (#2 thru #6)
- Special head configurations available by special order
- All screws, nuts and washers sold in packs of 10 pieces each

Sizes Available

Size	Washer	Hex Nut	Bolt Length, Inches													
			1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/2	3			
0-80			X													
2-56	X	X	X	X	X											
4-40	X	X	X	X	X	X	X	X								
5-40	X	X	X	X	X	X	X	X								
6-32	X	X	X	X	X	X	X	X								
8-32	X	X	X	X	X	X	X	X	X	X						
10-32	X	X	X	X	X	X	X	X	X	X	X					
1/4-20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Size	Washer	Hex Nut	Bolt Length, Inches						
			5mm	10mm	20mm	25mm	30mm	40mm	50mm
M2	X	X	X	X					
M3	X	X	X	X	X				
M4	X	X	X	X	X	X	X	X	
M5	X	X	X	X	X	X	X	X	
M6	X	X	X	X	X	X	X	X	

Dimensional Specifications

Thread Size	Hex Head			Hex Nut		Washer		
	Width	Hex	Thick	Width	Thick	O.D.	I.D.	Thick
0-80	.165	.180	.050					
2-56	.187	.210	.060	.180	.060	.215	.087	.030
4-40	.187	.210	.113	.185	.115	.375	.115	.035
5-40	.312	.360	.120					
6-32	.250	.285	.138	.250	.140	.375	.156	.050
8-32	.312	.360	.156	.312	.150	.438	.188	.050
10-32	.312	.360	.156	.312	.160	.500	.219	.050
1/4-20	.437	.510	.200	.437	.210	.734	.281	.070

Physical Properties

Size	Average Maximum Torque in/lbs	Average Tensile Strength PSI	Maximum Temperature Use
4-40	2.44	4356	1600 deg.C
6-32	3.34	4997	1600 deg.C
8-32	7.38	6964	1600 deg.C
10-32	11.70	8194	1600 deg.C
1/4-20	14.60	6429	1600 deg.C

No warranty is implied to properties.

Model 101947 Alumina Hat Washers

- 98% pure alumina
- Non-porous, vacuum compatible

Part #	Screw Size	Dimensions are inches (millimeters)			
		"A" Dia. +/- .005	"B" Dia. +/- .005	"C" +/- .001	"D" +/- .005
101947-01	0-80 (M1.5)	0.150	0.105	0.036	0.072
101947-03	2-56 (M2)	0.180	0.124	0.050	0.100
101947-05	4-40 (M3)	0.245	0.176	0.050	0.100
101947-07	6-32	0.250	0.199	0.062	0.125
101947-08	8-32 (M4)	0.310	0.240	0.062	0.125
101947-10	10-32 (M5)	0.310	0.263	0.062	0.125

