



Dimensions of Hex Flange Screws

Nominal Size or Basic Major Dia of Thread		E		F			G		B	K	H	H ₁	R ₂
		Body Diameter		Width Across Flats			Width Across Corners		Flange Diameter	Flange Thickness	Head Height	Hex Height	Flange Top Radius
		Max	Min	Basic	Max	Min	Max	Min	Max	Min	Max	Min	Max
1/4	0.2500	0.2500	0.2450	3/8	0.3750	0.367	0.433	0.409	0.56	0.04	0.28	0.17	0.015
5/16	0.3125	0.3125	0.3065	1/2	0.5000	0.489	0.577	0.548	0.68	0.05	0.32	0.21	0.019
3/8	0.3750	0.3750	0.3690	9/16	0.5625	0.551	0.650	0.618	0.81	0.06	0.39	0.25	0.022
7/16	0.4375	0.4375	0.4305	5/8	0.6250	0.612	0.722	0.685	0.93	0.07	0.46	0.30	0.026
1/2	0.5000	0.5000	0.4930	3/4	0.7500	0.736	0.866	0.825	1.07	0.08	0.51	0.34	0.030
9/16	0.5625	0.5625	0.5545	13/16	0.8125	0.798	0.938	0.895	1.19	0.09	0.57	0.38	0.034
5/8	0.6250	0.6250	0.6170	15/16	0.9375	0.922	1.083	1.034	1.33	0.10	0.62	0.42	0.038
3/4	0.7500	0.7500	0.7410	1-1/8	1.1250	1.100	1.299	1.234	1.59	0.11	0.73	0.51	0.045
See Para.		2.1.2											

Nominal Size or Basic Major Dia of Thread		B ₁	Runout of Bearing Surface FIM	L ₁		Y		Ring T		Ring B	
		Bearing Dia		Thread Length		Transition Thread Length		Inside Diameter	Thickness	Inside Diameter	Thickness
				For Screws With L ≤ 6 in.	For Screws With L > 6 in.	For Screws With L ≤ 6 in.	For Screws With L > 6 in.				
		Min	Max	Basic		Max	Max	+0.0000 - 0.0003	Min	+0.0000 - 0.0003	+0.0000 - 0.0003
1/4	0.2500	0.480	0.010	0.750	1.000	0.400	0.650	0.4093	0.500	0.4380	0.1186
5/16	0.3125	0.600	0.011	0.875	1.125	0.417	0.667	0.5483	0.500	0.5820	0.1457
3/8	0.3750	0.730	0.012	1.000	1.250	0.438	0.688	0.6183	0.500	0.6550	0.1729
7/16	0.4375	0.850	0.013	1.125	1.375	0.464	0.714	0.6853	0.500	0.7300	0.2100

1/2	0.5000	0.980	0.014	1.250	1.500	0.481	0.731	0.8253	0.500	0.8750	0.2371
9/16	0.5625	1.100	0.015	1.375	1.625	0.750	0.750	0.8953	0.500	0.9500	0.2643
5/8	0.6250	1.230	0.017	1.500	1.750	0.773	0.773	1.0343	0.500	1.0950	0.2914
3/4	0.7500	1.470	0.020	1.750	2.000	0.800	0.800	1.2343	0.500	1.3120	0.3557