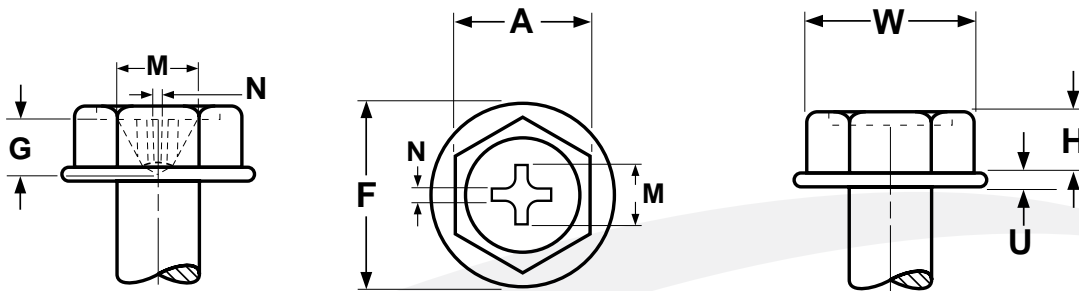


Hex Washer w/ Phillips Recess

Head Dimensions

Machine Screws



NOTE: Without any single set of standards for the size of cross-recess (Phillips) drives used in hex head machine screws, two sets of recess dimensions are listed below. Variations are due, in part, to differences in the tooling sold in the United States compared to that used by foreign manufacturers. Kanebridge offers this information as a service to fastener distributors and makes no recommendation re: which design is preferable.

PHILLIPS HEX WASHER HEADS FOR MACHINE SCREWS--DOMESTIC															
Nominal Size	A		W	H		F		U		M	G	N	Recess Penetration Gaging Depth		Phillips Driver Size
	Width Across Flats		Width Across Corners	Height of Head		Diameter of Washer		Thickness of Washer		Dimensions of Recess			Max	Min	
	Max	Min	Min	Max	Min	Max	Min	Max	Min	Ref	Ref	Ref			
4	.188	.181	.202	.060	.049	.243	.225	.019	.011	.096	.055	.017	.056	.040	1
6	.250	.244	.272	.093	.080	.328	.302	.025	.015	.168	.094	.029	.095	.072	2
8	.250	.244	.272	.110	.096	.348	.322	.031	.019	.168	.094	.029	.095	.072	2
10	.312	.305	.340	.120	.105	.414	.384	.031	.019	.176	.102	.030	.103	.080	2
1/4	.375	.367	.409	.190	.172	.520	.480	.050	.030	.262	.144	.035	.139	.116	3

PHILLIPS HEX WASHER HEADS FOR MACHINE SCREWS--IMPORTED															
Nominal Size	A		W	H		F		U		M	G	Dimensions of Recess		Phillips Driver Size	
	Width Across Flats		Width Across Corners	Height of Head		Diameter of Washer		Thickness of Washer		Diameter		Depth			
	Max	Min	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min		
4	.188	.181	.202	.060	.049	.243	.225	.019	.011	.102	.089	.063	.047	1	
6	.250	.244	.272	.093	.080	.328	.302	.025	.015	.164	.160	.086	.079	2	
8	.250	.244	.272	.110	.096	.348	.322	.031	.019	.188	.176	.120	.114	2	
10	.312	.305	.340	.120	.105	.414	.384	.031	.019	.174	.161	.106	.083	2	
1/4	.375	.367	.409	.190	.172	.520	.480	.050	.030	.233	.220	.156	.133	3	