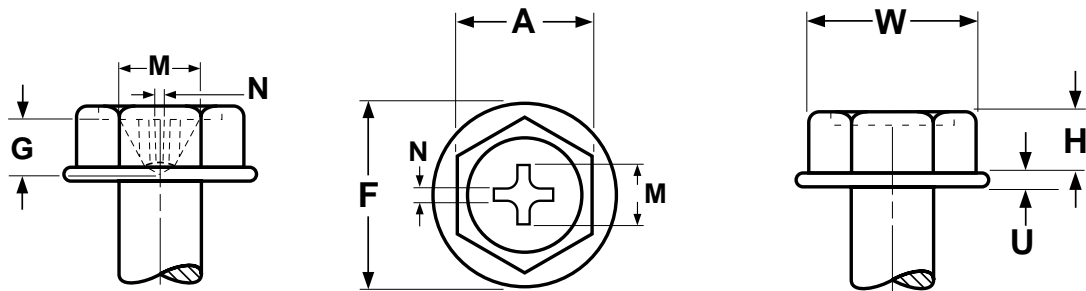


# Hex Washer w/ Phillips Recess

# 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	Diam.	Depth	Width			
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	
	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		