





NOTE: Without any single set of standards for the size of cross-recess (Phillips) drives used in hex head self-tapping and self-drilling 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 Self-Tapping & Self-Drilling ScrewsDomestic															
Nominal Size	Α		w	Н		F		U		М	G	N	Recess		
	Width Across Flats		Width Across	Height of Head		Diameter of Washer		Thickness of Washer		Dimensions of Recess			Penetration Gaging Depth		Phillips Driver
			Corners							Diam.	Depth Width		Gaging Depth		Size
	Max	Min	Min	Max	Min	Max	Min	Max	Min	Ref	Ref	Ref	Max	Min]
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 SELF-TAPPING & SELF-DRILLING SCREWSIMPORTED														
Nominal Size	Α		w	w H		F		U		М		G		
	Width Across Flats		Width Across	Height	of Head	Diameter of		Thickness of		Dimensions		of Recess		Phillips Driver
			Corners	Height of Head		Washer		Washer		Diameter		Depth		Size
	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