



Hex Washer Head Machine Screw with Dog Point													ASME B18.6.3-2010*	
Nominal Size	A		H		F		U		J		T		D	P
	Width Across Flats		Height of Head		Diameter of Washer		Thickness of Washer		Width of Slot		Depth of Slot		Diameter of Dog Point	Length of Dog Point
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Ref	Ref
5/16	.500	.489	.230	.208	.676	.624	.055	.035	.084	.072	.134	.100	.208	.187
3/8	.562	.551	.295	.270	.780	.720	.063	.037	.094	.081	.168	.131	.250	.225
Tolerance on Length														
Tolerance on Length					Over 1/2" to 1"				Over 1" to 2"				Over 2"	
					-0.03				-0.06				-0.09	

* Dog point dimensions are independent of ASME B18.6.3 standard.

Description	A straight shank fastener with hexagonally shaped head, integrally formed washer face and external threads designed to go through a hole or nut that is pre-tapped to form a mating thread for the screw. The tip of the screw has an unthreaded, straight pointed section that is slightly less than the screw's root diameter
Applications/Advantages	The dog point is intended to make it easier for the screw to engage with the nut or threaded hole, increasing efficiency--especially when used on production lines.
Material	AISI 1006 - 1022 or equivalent steel.
Hardness	Rockwell B70 - B100.
Tensile Strength	60,000 psi. minimum. Steel machine screws of diameters No. 6 to 1/2" inclusive, which are shorter than either 1/2" or 3D (where D is the nominal screw size in inches) are not subject to tensile testing. Such steel machine screws of a size to be tested shall meet the tensile load requirements listed above. Tensile strength values for stainless screws are offered as approximations only; there is no single standard for the performance requirements of stainless machine screws.
Plating	Screws are usually supplied with a zinc finish.