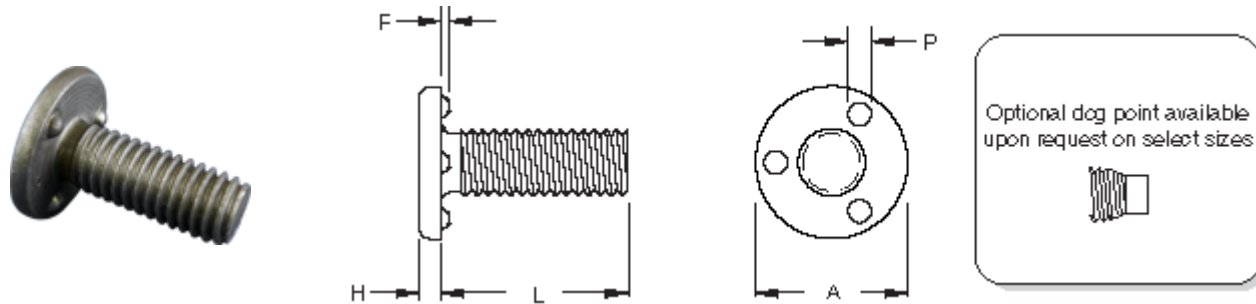


3 Projections Under Head



Product	Thread Size	Length (mm)	Head Diameter (mm)	A (mm)	Tol A (mm)	F (mm)	Tol F (mm)	H (mm)	Tol H (mm)	L (mm)	Tol L (mm)	P (mm)	Tol P (mm)
HWM 03506	M3.5 X 0.6-6g	6.00	8.0	8.00	+0.20 -0.30	0.53	+0.05 -0.05	1.20	+0.13 -0.13	6.00	+0.00 -0.80	1.40	+0.13 -0.13
HWM 03508	M3.5 X 0.6-6g	8.00	8.0	8.00	+0.20 -0.30	0.53	+0.05 -0.05	1.20	+0.13 -0.13	8.00	+0.00 -0.80	1.40	+0.13 -0.13
HWM 03512	M3.5 X 0.6-6g	12.00	8.0	8.00	+0.20 -0.30	0.53	+0.05 -0.05	1.20	+0.13 -0.13	12.00	+0.00 -0.80	1.40	+0.13 -0.13
HWM 03520	M3.5 X 0.6-6g	20.00	8.0	8.00	+0.20 -0.30	0.53	+0.05 -0.05	1.20	+0.13 -0.13	20.00	+0.00 -0.80	1.40	+0.13 -0.13
HWM 04008	M4 X 0.7-6g	8.00	9.3	9.30	+0.20 -0.30	0.64	+0.05 -0.05	1.30	+0.13 -0.13	8.00	+0.00 -0.80	1.78	+0.13 -0.13
HWM 04010	M4 X 0.7-6g	10.00	9.3	9.30	+0.20 -0.30	0.64	+0.05 -0.05	1.30	+0.13 -0.13	10.00	+0.00 -0.80	1.78	+0.13 -0.13
HWM 04012	M4 X 0.7-6g	12.00	9.3	9.30	+0.20 -0.30	0.64	+0.05 -0.05	1.30	+0.13 -0.13	12.00	+0.00 -0.80	1.78	+0.13 -0.13
HWM 04014	M4 X 0.7-6g	14.00	9.3	9.30	+0.20 -0.30	0.64	+0.05 -0.05	1.30	+0.13 -0.13	14.00	+0.00 -0.80	1.78	+0.13 -0.13
HWM 04016	M4 X 0.7-6g	16.00	9.3	9.30	+0.20 -0.30	0.64	+0.05 -0.05	1.30	+0.13 -0.13	16.00	+0.00 -0.80	1.78	+0.13 -0.13
HWM 04020	M4 X 0.7-6g	20.00	9.3	9.30	+0.20 -0.30	0.64	+0.05 -0.05	1.30	+0.13 -0.13	20.00	+0.00 -0.80	1.78	+0.13 -0.13
HWM 04025	M4 X 0.7-6g	25.00	9.3	9.30	+0.20 -0.30	0.64	+0.05 -0.05	1.30	+0.13 -0.13	25.00	+0.00 -0.80	1.78	+0.13 -0.13
HWM 04030	M4 X 0.7-6g	30.00	9.3	9.30	+0.20 -0.30	0.64	+0.05 -0.05	1.30	+0.13 -0.13	30.00	+0.00 -1.60	1.78	+0.13 -0.13
HWM 04035	M4 X 0.7-6g	35.00	9.3	9.30	+0.20 -0.30	0.64	+0.05 -0.05	1.30	+0.13 -0.13	35.00	+0.00 -1.60	1.78	+0.13 -0.13

HWM 04050	M4 X 0.7-6g	50.00	9.3	9.30	+0.20 -0.30	0.64	+0.05 -0.05	1.30	+0.13 -0.13	50.00	+0.00 -1.60	1.78	+0.13 -0.13
HWM 05010	M5 X 0.8-6g	10.00	11.6	11.60	+0.20 -0.30	0.81	+0.05 -0.05	1.60	+0.13 -0.13	10.00	+0.00 -0.80	2.13	+0.13 -0.13
HWM 05012	M5 X 0.8-6g	12.00	11.6	11.60	+0.20 -0.30	0.81	+0.05 -0.05	1.60	+0.13 -0.13	12.00	+0.00 -0.80	2.13	+0.13 -0.13
HWM 05014	M5 X 0.8-6g	14.00	11.6	11.60	+0.20 -0.30	0.81	+0.05 -0.05	1.60	+0.13 -0.13	14.00	+0.00 -0.80	2.13	+0.13 -0.13
HWM 05016	M5 X 0.8-6g	16.00	11.6	11.60	+0.20 -0.30	0.81	+0.05 -0.05	1.60	+0.13 -0.13	16.00	+0.00 -0.80	2.13	+0.13 -0.13
HWM 05020	M5 X 0.8-6g	20.00	11.6	11.60	+0.20 -0.30	0.81	+0.05 -0.05	1.60	+0.13 -0.13	20.00	+0.00 -0.80	2.13	+0.13 -0.13
HWM 05025	M5 X 0.8-6g	25.00	11.6	11.60	+0.20 -0.30	0.81	+0.05 -0.05	1.60	+0.13 -0.13	25.00	+0.00 -0.80	2.13	+0.13 -0.13
HWM 05030	M5 X 0.8-6g	30.00	11.6	11.60	+0.20 -0.30	0.81	+0.05 -0.05	1.60	+0.13 -0.13	30.00	+0.00 -1.60	2.13	+0.13 -0.13
HWM 05035	M5 X 0.8-6g	35.00	11.6	11.60	+0.20 -0.30	0.81	+0.05 -0.05	1.60	+0.13 -0.13	35.00	+0.00 -1.60	2.13	+0.13 -0.13
HWM 06008	M6 X 1.0-6g	8.00	14.0	14.00	+0.30 -0.30	1.02	+0.05 -0.05	1.90	+0.13 -0.13	8.00	+0.00 -0.80	2.54	+0.13 -0.13
HWM 06010	M6 X 1.0-6g	10.00	14.0	14.00	+0.30 -0.30	1.02	+0.05 -0.05	1.90	+0.13 -0.13	10.00	+0.00 -0.80	2.54	+0.13 -0.13
HWM 06012	M6 X 1.0-6g	12.00	14.0	14.00	+0.30 -0.30	1.02	+0.05 -0.05	1.90	+0.13 -0.13	12.00	+0.00 -0.80	2.54	+0.13 -0.13
HWM 06014	M6 X 1.0-6g	14.00	14.0	14.00	+0.30 -0.30	1.02	+0.05 -0.05	1.90	+0.13 -0.13	14.00	+0.00 -0.80	2.54	+0.13 -0.13
HWM 06016	M6 X 1.0-6g	16.00	14.0	14.00	+0.30 -0.30	1.02	+0.05 -0.05	1.90	+0.13 -0.13	16.00	+0.00 -0.80	2.54	+0.13 -0.13
HWM 06020	M6 X 1.0-6g	20.00	14.0	14.00	+0.30 -0.30	1.02	+0.05 -0.05	1.90	+0.13 -0.13	20.00	+0.00 -0.80	2.54	+0.13 -0.13
HWM 06025	M6 X 1.0-6g	25.00	14.0	14.00	+0.30 -0.30	1.02	+0.05 -0.05	1.90	+0.13 -0.13	25.00	+0.00 -0.80	2.54	+0.13 -0.13
HWM 06030	M6 X 1.0-6g	30.00	14.0	14.00	+0.30 -0.30	1.02	+0.05 -0.05	1.90	+0.13 -0.13	30.00	+0.00 -1.60	2.54	+0.13 -0.13
HWM 06035	M6 X 1.0-6g	35.00	14.0	14.00	+0.30 -0.30	1.02	+0.05 -0.05	1.90	+0.13 -0.13	35.00	+0.00 -1.60	2.54	+0.13 -0.13
HWM 06040	M6 X 1.0-6g	40.00	14.0	14.00	+0.30 -0.30	1.02	+0.05 -0.05	1.90	+0.13 -0.13	40.00	+0.00 -1.60	2.54	+0.13 -0.13
HWM 06045	M6 X 1.0-6g	45.00	14.0	14.00	+0.30 -0.30	1.02	+0.05 -0.05	1.90	+0.13 -0.13	45.00	+0.00 -1.60	2.54	+0.13 -0.13
HWM 06050	M6 X 1.0-6g	50.00	14.0	14.00	+0.30 -0.30	1.02	+0.05 -0.05	1.90	+0.13 -0.13	50.00	+0.00 -1.60	2.54	+0.13 -0.13
HWM 06060	M6 X 1.0-6g	60.00	14.0	14.00	+0.30 -0.30	1.02	+0.05 -0.05	1.90	+0.13 -0.13	60.00	+0.00 -2.30	2.54	+0.13 -0.13

HWM 06075	M6 X 1.0-6g	75.00	14.0	14.00	+0.30 -0.30	1.02	+0.05 -0.05	1.90	+0.13 -0.13	75.00	+0.00 -2.30	2.54	+0.13 -0.13
HWM 08014	M8 X 1.25-6g	14.00	18.8	18.80	+0.40 -0.40	1.20	+0.05 -0.05	2.50	+0.13 -0.13	14.00	+0.00 -0.80	3.10	+0.13 -0.13
HWM 08016	M8 X 1.25-6g	16.00	18.8	18.80	+0.40 -0.40	1.20	+0.05 -0.05	2.50	+0.13 -0.13	16.00	+0.00 -0.80	3.10	+0.13 -0.13
HWM 08020	M8 X 1.25-6g	20.00	18.8	18.80	+0.40 -0.40	1.20	+0.05 -0.05	2.50	+0.13 -0.13	20.00	+0.00 -0.80	3.10	+0.13 -0.13
HWM 08025	M8 X 1.25-6g	25.00	18.8	18.80	+0.40 -0.40	1.20	+0.05 -0.05	2.50	+0.13 -0.13	25.00	+0.00 -0.80	3.10	+0.13 -0.13
HWM 08030	M8 X 1.25-6g	30.00	18.8	18.80	+0.40 -0.40	1.20	+0.05 -0.05	2.50	+0.13 -0.13	30.00	+0.00 -1.60	3.10	+0.13 -0.13
HWM 08035	M8 X 1.25-6g	35.00	18.8	18.80	+0.40 -0.40	1.20	+0.05 -0.05	2.50	+0.13 -0.13	35.00	+0.00 -1.60	3.10	+0.13 -0.13
HWM 08040	M8 X 1.25-6g	40.00	18.8	18.80	+0.40 -0.40	1.20	+0.05 -0.05	2.50	+0.13 -0.13	40.00	+0.00 -1.60	3.10	+0.13 -0.13
HWM 08045	M8 X 1.25-6g	45.00	18.8	18.80	+0.40 -0.40	1.20	+0.05 -0.05	2.50	+0.13 -0.13	45.00	+0.00 -1.60	3.10	+0.13 -0.13
HWM 08050	M8 X 1.25-6g	50.00	18.8	18.80	+0.40 -0.40	1.20	+0.05 -0.05	2.50	+0.13 -0.13	50.00	+0.00 -1.60	3.10	+0.13 -0.13
HWM 08055	M8 X 1.25-6g	55.00	18.8	18.80	+0.40 -0.40	1.20	+0.05 -0.05	2.50	+0.13 -0.13	55.00	+0.00 -2.30	3.10	+0.13 -0.13
HWM 08060	M8 X 1.25-6g	60.00	18.8	18.80	+0.40 -0.40	1.20	+0.05 -0.05	2.50	+0.13 -0.13	60.00	+0.00 -2.30	3.10	+0.13 -0.13
HWM 08070	M8 X 1.25-6g	70.00	18.8	18.80	+0.40 -0.40	1.20	+0.05 -0.05	2.50	+0.13 -0.13	70.00	+0.00 -2.30	3.10	+0.13 -0.13
HWM 08075	M8 X 1.25-6g	75.00	18.8	18.80	+0.40 -0.40	1.20	+0.05 -0.05	2.50	+0.13 -0.13	75.00	+0.00 -2.30	3.10	+0.13 -0.13
HWM 08100	M8 X 1.25-6g	100.00	18.8	18.80	+0.40 -0.40	1.20	+0.05 -0.05	2.50	+0.13 -0.13	100.00	+0.00 -2.30	3.10	+0.13 -0.13
HWM 10010	M10 X 1.5-6g	10.00	23.0	23.00	+0.40 -0.40	1.40	+0.05 -0.05	3.10	+0.13 -0.13	10.00	+0.00 -0.80	3.56	+0.13 -0.13
HWM 10020	M10 X 1.5-6g	20.00	23.0	23.00	+0.40 -0.40	1.40	+0.05 -0.05	3.10	+0.13 -0.13	20.00	+0.00 -0.80	3.56	+0.13 -0.13
HWM 10025	M10 X 1.5-6g	25.00	23.0	23.00	+0.40 -0.40	1.40	+0.05 -0.05	3.10	+0.13 -0.13	25.00	+0.00 -0.80	3.56	+0.13 -0.13
HWM 10030	M10 X 1.5-6g	30.00	23.0	23.00	+0.40 -0.40	1.40	+0.05 -0.05	3.10	+0.13 -0.13	30.00	+0.00 -1.60	3.56	+0.13 -0.13
HWM 10035	M10 X 1.5-6g	35.00	23.0	23.00	+0.40 -0.40	1.40	+0.05 -0.05	3.10	+0.13 -0.13	35.00	+0.00 -1.60	3.56	+0.13 -0.13
HWM 10040	M10 X 1.5-6g	40.00	23.0	23.00	+0.40 -0.40	1.40	+0.05 -0.05	3.10	+0.13 -0.13	40.00	+0.00 -1.60	3.56	+0.13 -0.13
HWM 10045	M10 X 1.5-6g	45.00	23.0	23.00	+0.40	1.40	+0.05	3.10	+0.13	45.00	+0.00	3.56	+0.13

					-0.40		-0.05		-0.13		-1.60		-0.13
HWM 10050	M10 X 1.5-6g	50.00	23.0	23.00	+0.40 -0.40	1.40	+0.05 -0.05	3.10	+0.13 -0.13	50.00	+0.00 -1.60	3.56	+0.13 -0.13
HWM 10055	M10 X 1.5-6g	55.00	23.0	23.00	+0.40 -0.40	1.40	+0.05 -0.05	3.10	+0.13 -0.13	55.00	+0.00 -2.30	3.56	+0.13 -0.13
HWM 10060	M10 X 1.5-6g	60.00	23.0	23.00	+0.40 -0.40	1.40	+0.05 -0.05	3.10	+0.13 -0.13	60.00	+0.00 -2.30	3.56	+0.13 -0.13
HWM 10070	M10 X 1.5-6g	70.00	23.0	23.00	+0.40 -0.40	1.40	+0.05 -0.05	3.10	+0.13 -0.13	70.00	+0.00 -2.30	3.56	+0.13 -0.13
HWM 12025	M12 X 1.75-6g	25.00	25.0	25.00	+0.40 -0.40	1.52	+0.05 -0.05	3.60	+0.13 -0.13	25.00	+0.00 -0.80	3.81	+0.13 -0.13
HWM 12030	M12 X 1.75-6g	30.00	25.0	25.00	+0.40 -0.40	1.52	+0.05 -0.05	3.60	+0.13 -0.13	30.00	+0.00 -1.60	3.81	+0.13 -0.13
HWM 12035	M12 X 1.75-6g	35.00	25.0	25.00	+0.40 -0.40	1.52	+0.05 -0.05	3.60	+0.13 -0.13	35.00	+0.00 -1.60	3.81	+0.13 -0.13
HWM 12040	M12 X 1.75-6g	40.00	25.0	25.00	+0.40 -0.40	1.52	+0.05 -0.05	3.60	+0.13 -0.13	40.00	+0.00 -1.60	3.81	+0.13 -0.13
HWM 12045	M12 X 1.75-6g	45.00	25.0	25.00	+0.40 -0.40	1.52	+0.05 -0.05	3.60	+0.13 -0.13	45.00	+0.00 -1.60	3.81	+0.13 -0.13
HWM 12050	M12 X 1.75-6g	50.00	25.0	25.00	+0.40 -0.40	1.52	+0.05 -0.05	3.60	+0.13 -0.13	50.00	+0.00 -1.60	3.81	+0.13 -0.13
HWM 12060	M12 X 1.75-6g	60.00	25.0	25.00	+0.40 -0.40	1.52	+0.05 -0.05	3.60	+0.13 -0.13	60.00	+0.00 -2.30	3.81	+0.13 -0.13
HWM 12075	M12 X 1.75-6g	75.00	25.0	25.00	+0.40 -0.40	1.52	+0.05 -0.05	3.60	+0.13 -0.13	75.00	+0.00 -2.30	3.81	+0.13 -0.13
HWM 12100	M12 X 1.75-6g	100.00	25.0	25.00	+0.40 -0.40	1.52	+0.05 -0.05	3.60	+0.13 -0.13	100.00	+0.00 -2.30	3.81	+0.13 -0.13

Material: C1010 High-Welding Quality, Low Carbon Steel
Finish: Plain, Unless Specified
Threads: ASME B 1.13M-2005



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