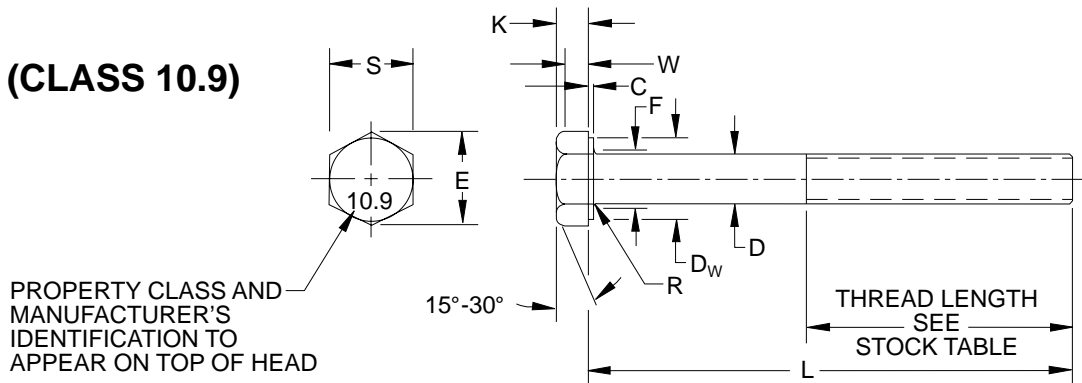


# HEX HEAD SCREW

(F05 SERIES)

**A**

**(CLASS 10.9)**



NOMINAL SCREW DIA. & THREAD PITCH	D BODY DIAMETER		S WIDTH ACROSS FLATS		E WIDTH ACROSS CORNERS		K HEAD HEIGHT		W WREN- CHING HEIGHT	F FILLET TRANS- TION DIA.	R RADIUS OF FILLET	C WASHER FACE THICKNESS		D <sub>w</sub> WASH FACE DIA.
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MIN	MAX	MIN	MAX	MIN	MIN
M12x1.75	12.00	11.73	18.00	17.73	20.78	20.03	7.76	7.24	5.2	13.7	0.6	0.6	0.3	16.6
M14x2	14.00	13.73	21.00	20.67	24.25	23.35	9.09	8.51	6.2	15.7	0.6	0.6	0.3	19.6
M16x2	16.00	15.73	24.00	23.67	27.71	26.75	10.32	9.68	7.0	17.7	0.6	0.8	0.4	22.5
M20x2.5	20.00	19.67	30.00	29.16	34.64	32.95	12.88	12.12	8.8	22.4	0.8	0.8	0.4	27.7
M24x3	24.00	23.67	36.00	35.00	41.57	39.55	15.44	14.56	10.5	26.4	0.8	0.8	0.4	33.2
M30x3.5	30.00	29.67	46.00	45.00	53.12	50.85	19.48	17.92	13.1	33.4	1.0	0.8	0.4	42.7
M36x4	36.00	35.61	55.00	53.80	63.51	60.79	23.38	21.62	15.8	39.4	1.0	0.8	0.4	51.1

THREAD SIZE NOM	STOCK SIZES (L)																																					
	20	25	30	35	40	45	50	55	60	65	70	75	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	240	260	280	300	320	330	340				
M12																																						
M14																																						
M16																																						
M20																																						
M24																																						
M30																																						
M36																																						

- Lengths to the left of heavy line (█) threaded to head.
- Lengths to the right of heavy line (█) have standard minimum thread lengths of two times the nominal thread diameter plus 12 mm.

**NOTES & SPECIFICATIONS:**

ANSI B18.2.3.1M  
 ASTM F568M  
 CLASS 10.9

CODING ON FOLLOWING PAGE  
 FOR SCREWS SMALLER THAN M12, SEE PAGES F-11.5 AND F-11.6

**D**  
**B**  
**C**