

# FASTENER SIZE CHART

## INCH/METRIC CONVERSION

INCH SIZE	METRIC SIZE	DECIMAL (INCH)	MILLIMETER (mm)
	<b>M6</b>	.2362	6.0000
<b>1/4</b>		.2500	6.3500
<b>5/16</b>		.3125	7.9375
	<b>M8</b>	.3149	8.0000
<b>3/8</b>		.3750	9.5250
	<b>M10</b>	.3937	10.0000
<b>7/16</b>		.4375	11.1125
	<b>M12</b>	.4724	12.0000
<b>1/2</b>		.5000	12.7000
<b>9/16</b>		.5625	14.2875
<b>5/8</b>		.6250	15.8750
	<b>M16</b>	.6299	16.0000
<b>3/4</b>		.7500	19.0500
	<b>M20</b>	.7874	20.0000
<b>7/8</b>		.8750	22.2250
	<b>M24</b>	.9448	24.0000
<b>1</b>		1.0000	25.4000
<b>1 1/8</b>		1.1250	28.5750
	<b>M30</b>	1.1811	30.0000
<b>1 1/4</b>		1.2500	31.7500
	<b>M36</b>	1.4173	32.0000
<b>1 1/2</b>		1.5000	38.1000
	<b>M42</b>	1.6535	42.0000
<b>1 3/4</b>		1.7500	44.4500
	<b>M48</b>	1.8898	48.0000
<b>2</b>		2.0000	50.8000
	<b>M56</b>	2.2047	56.0000
<b>2 1/2</b>		2.5000	63.5000
<b>3</b>		3.0000	76.2000

## THREAD PITCH - INCH

INCH SIZE	COARSE THREAD	FINE THREAD
<b>1/4</b>	20	28
<b>5/16</b>	18	24
<b>3/8</b>	16	24
<b>7/16</b>	14	20
<b>1/2</b>	13	20
<b>9/16</b>	12	18
<b>5/8</b>	11	18
<b>3/4</b>	10	16
<b>7/8</b>	9	14
<b>1</b>	8	14
<b>1 1/8</b>	7	12
<b>1 1/4</b>	7	12
<b>1 3/8</b>	6	12
<b>1 1/2</b>	6	12
<b>1 3/4</b>	5	-
<b>2</b>	4 1/2	-
<b>2 1/2</b>	4	-
<b>3</b>	4	-

## THREAD PITCH - METRIC

METRIC SIZE	COARSE THREAD	FINE THREAD	EXTRA FINE
<b>M6</b>	1.00	.075	
<b>M8</b>	1.25	1.00	
<b>M10</b>	1.50	1.25	1.00
<b>M12</b>	1.75	1.50	1.25
<b>M16</b>	2.00	1.50	
<b>M20</b>	2.50	1.50	
<b>M22</b>	2.50	1.50	
<b>M24</b>	3.00	2.00	
<b>M30</b>	3.50	2.00	
<b>M36</b>	4.00	3.00	
<b>M42</b>	4.50	3.00	
<b>M48</b>	5.00	3.00	
<b>M56</b>	5.50	3.00	

## MATERIAL GRADE COMPARISONS

INCH ..... METRIC

Grade 2 ..... Class 4.8

Grade 5 ..... Class 8.8

Grade 8 ..... Class 10.9

Alloy Steel (Sockets) .... Class 12.9

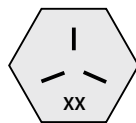
Thread Pitch = The distance between threads.

Inch Pitch - Threads per Inch

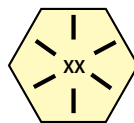
Metric Pitch - Threads per Millimeter

Metric Fasteners can also have Extra Fine Pitch Thread

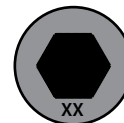
## HEAD MARKINGS - INCH



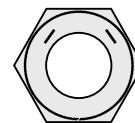
GRADE 5  
CAP SCREW



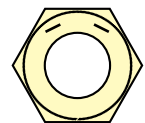
GRADE 8  
CAP SCREW



ALLOY  
SOCKET

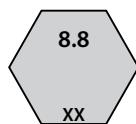


GRADE 5  
NUT

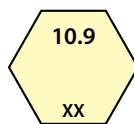


GRADE 8  
NUT

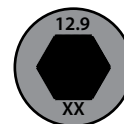
## HEAD MARKINGS - METRIC



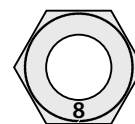
CLASS 8.8  
CAP SCREW



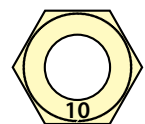
CLASS 10.9  
CAP SCREW



CLASS 12.9  
SOCKET



CLASS 8  
NUT



CLASS 10  
NUT

## INCH/METRIC CONVERSION MATH

Fraction to Decimal: Divide top # by bottom #

Decimal to Millimeter: Multiply Decimal by 25.4

Millimeter to Decimal: Multiply mm by .03937

1 Inch = 25.4 mm

1 Meter = 1,000 mm



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