

METRIC CONVERSION

REFERENCE CHART

Metric	Equiv. Decimal Inch
M1	0.0394
M1.2	0.0472
M1.4	0.0551
M1.4	0.063
M1.7	0.0669
M1.8	0.0709
M2	0.0787
M2.2	0.0866
M2.3	0.0906
M2.5	0.0984
M2.6	0.1024
M3	0.1181
M3.5	0.1378
M4	0.1575
M5	0.1969
M6	0.2362
M7	0.2756
M8	0.315
M9	0.3543
M10	0.3937
M11	0.4331
M12	0.4724
M14	0.5512
M16	0.6299
M18	0.7087
M20	0.7874
M22	0.8661
M24	0.9449
M27	1.063
M30	1.1811
M33	1.2992
M36	1.4173
M39	1.5354

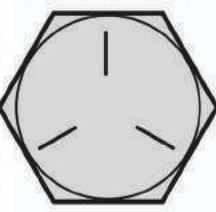
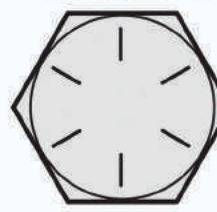








Metric	Equiv. Decimal Inch
M42	1.6535
M45	1.7717
M48	1.8898
M52	2.0472
M56	2.2047
M60	2.3622
M64	2.5197
M68	2.6772
M72	2.8346
M80	3.1496
M90	3.5433
M100	3.937
M120	4.7244
M140	5.5118
M160	6.2992
M180	7.0866
M200	7.874
M220	8.6614
M240	9.4488
M260	10.2362
M280	11.0236
M300	11.811
M320	12.5984
M340	13.3858
M360	14.1732
M380	14.9606
M400	15.748
M420	16.5354
M440	17.3228
M460	18.1102
M480	18.8976
M500	19.685

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IMPERIAL vs. METRIC

REFERENCE CHART

MATERIALS, MECHANICAL PROPERTIES AND MARKINGS

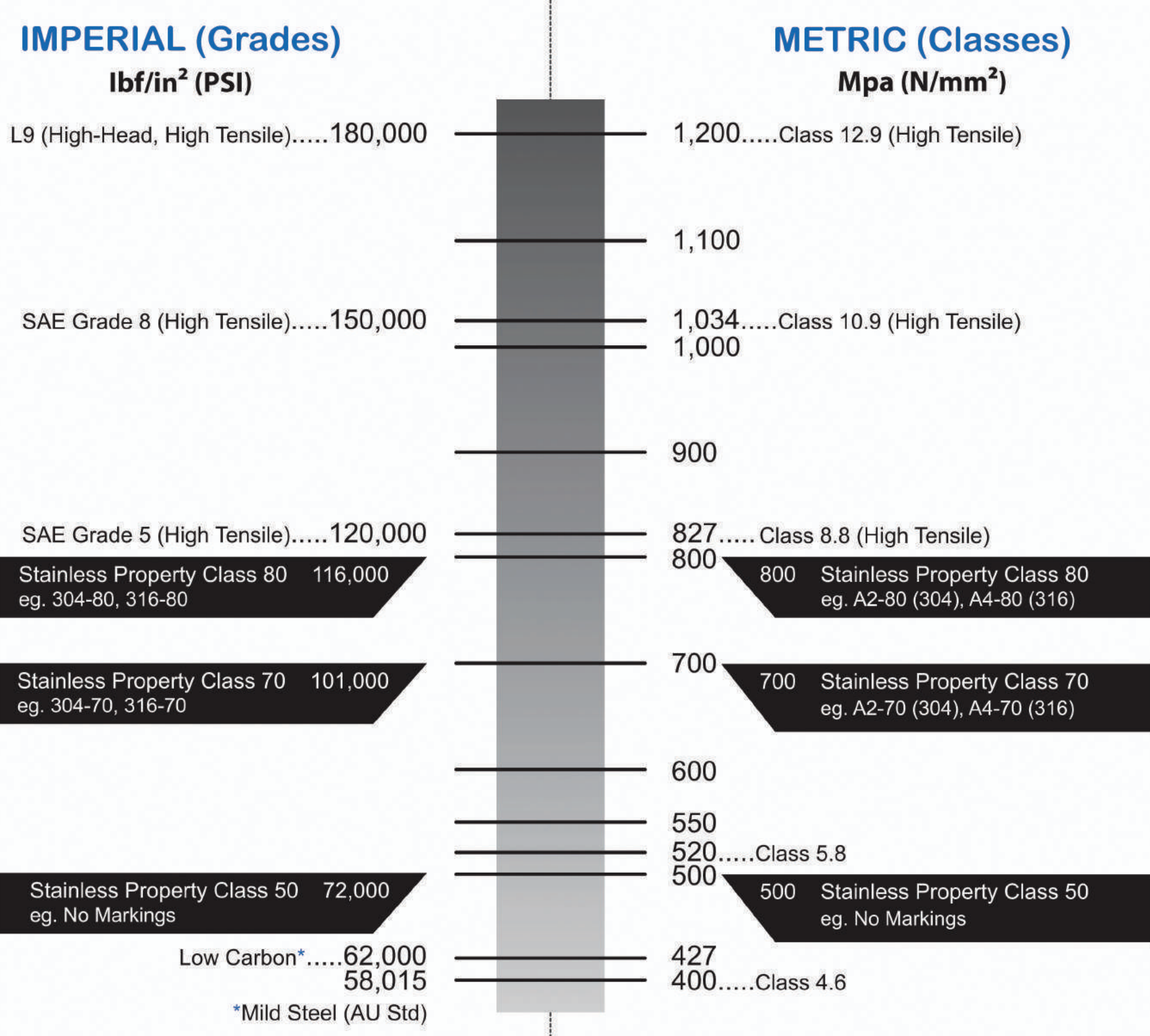
IMPERIAL			METRIC		
Grade 5	Grade 8	L9	Class 8.8	Class 10.9	Class 12.9
					
					
Grade 5	Grade 8		Class 8	Class 10	

COARSE & FINE

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

METRIC	
COARSE	FINE
M6-1.00	M6-0.75
M8-1.25	M8-1.00
M10-1.50	M10-1.25
M12-1.75	M12-1.50*
M14-2.00	M14-1.50
M16-2.00	M16-1.50
M20-2.50	M20-1.50
M22-2.50	M22-1.50
M24-3.00	M24-2.00
M27-3.00	M27-2.00
M30-3.50	M30-2.00
M36-4.00	M36-2.00
M42-4.50	M42-2.00
M48-5.00	M48-2.00

TENSILE STRENGTH COMPARISON



ACCURATE CONVERSION FACTORS

• 1000 PSI (lbf/in²) = 6.8948 Mpa • 1 Mpa = 145,038 PSI (lbf/in²)

INCH & METRIC

INCH	1/4	5/16	3/8	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 3/4	2
METRIC	M6	M8	M10	M12	M16	M20	M22	M24	M27	M30	M33	M36	M42	M48