

Metric Conversions

Diameter/Decimal/Metric Chart for Small Diameters			MINIMUM STRENGTHS	
Gauge or Diameter	Decimal (in)	mm	METRIC (ISO 898)	INCH (SAE J429)
No. 0000	0.021	.53	No Marking Grade: 4, 8 (4.6, 5.8) Tensile: 429 MPa (60,900 psi)	No Marking Grade: 2 Tensile: 60,000 psi
No. 000	0.034	.86		
No. 00	0.047	1.19		
No. 0	0.060	1.524	8.8 Grade: 8.8 Tensile: 830 MPa (120,350 psi)	Grade: 5 Tensile: 120,000 psi
No. 1	0.073	1.854		
No. 2	0.086	2.184		
No. 3	0.099	2.515	10.9 Grade: 10.9 Tensile: 1040 MPa (150,800 psi)	Grade: 8 Tensile: 150,000 psi
No. 4	0.112	2.845		
No. 5	0.125	3.175		
No. 6	0.138	3.505	12.9 Grade: 12.9 Tensile: 1220 MPa (176,900 psi)	Grade: ASTM-A574 Tensile: 170,000 psi Note: Generally not marked
No. 8	0.164	4.166		
No. 10	0.190	4.826		
No. 12	0.216	5.484		
Fastener Conversion Chart				
Inch Equivalent		Metric Size-Pitch ISO and IFI Rec.		
UNC	UNF			
1 - 64	1 - 72	M2 x 0.4		
3 - 48	3 - 56	M2.5 x 0.45		
4 - 40	4 - 48	M3 x .05		
6 - 32	6 - 40	M3.5 x .06		
8 - 32	8 - 36	M4 x .07		
10 - 24	10 - 32	M5 x .08		
1/4 - 20	1/4 - 28	M6 x 1		
5/16 - 18	5/16 - 24	M8 x 1.25		
3/8 - 16	3/8 - 24	M10 x 1.5		
7/16 - 14	7/16 - 20	M12 x 1.75		
1/2 - 13	1/2 - 20	M14 x 2		
5/8 - 11	5/8 - 18	M18 x 2		
3/4 - 10	3/4 - 16	M20 x 2.5		
1 - 8	1-12	M24 x 3		
1-1/4 - 7	1-1/8 - 12	M30 x 3.5		
1-1/2 - 6	1-1/4 - 12	M36 x 4		