

CAP SCREW HEAD WRENCH SIZE CHART

10.9 ANSI-ISO METRIC MEASUREMENT	
CAP SCREW DIAMETER AND THREAD PITCH	WRENCH SIZE
M10 x 1.50	16mm
M12 x 1.75	18mm

10.9 DIN STANDARD METRIC MEASUREMENT	
CAP SCREW DIAMETER AND THREAD PITCH	WRENCH SIZE
M6 x 1	10mm
M7 x 1.0	11mm
M8 x 1.125	13mm
M10 x 1.0 Extra Fine	17mm
M10 x 1.25 Fine	17mm
M10 x 1.50 Standard	17mm
M12 x 1.50 Fine	19mm
M12 x 1.75	19mm
M14 x 2.00	21mm
M16 x 2.00	24mm
M20 x 2.50	30mm
M24 x 3.00	36mm

FRACTIONAL MEASUREMENT		
BOLT DIAMETER	CAP SCREW WRENCH SIZE	NUT WRENCH SIZE
1/4	7/16	7/16
5/16	1/2	1/2
3/8	9/16	9/16
7/16	5/8	11/16
1/2	3/4	3/4
9/16	13/16	7/8
5/8	15/16	15/16
3/4	1-1/8	1-1/8
7/8	1-5/16	1-5/16
1"	1-1/2	1-1/2
1-1/8	1-11/16	1-11/16
1-1/4	1-7/8	1-7/8
1-3/8	2-1/16	2-1/16
1-1/2	2-1/4	2-1/4
1-3/4	2-5/8	2-5/8
2"	3"	3"
2-1/4	3-3/8	3-3/8
2-1/2	3-3/4	3-3/4
2-3/4	4-1/8	4-1/8
3"	4-1/2	4-1/2

8.8 DIN STANDARD METRIC MEASUREMENT	
CAP SCREW DIAMETER AND THREAD PITCH	WRENCH SIZE
M4 x .70	7mm
M5 x .80	8mm
M6 x 1.0	10mm
M7 x 1.0	11mm
M8 x 1.0 Fine	13mm
M8 x 1.25 Standard	13mm
M10 x 1.0 Extra Fine	17mm
M10 x 1.25 Fine	17mm
M10 x 1.50 Standard	16mm
M12 x 1.25 Extra Fine	19mm
M12 x 1.50 Fine	19mm
M12 x 1.75 Standard	19mm
M14 x 1.50 Fine	21mm
M14 x 2.0 Standard	21mm
M16 x 2.0	24mm
M18 x 2.5	27mm
M20 x 2.5	30mm
M22 x 2.5	32mm
M24 x 3.0	36mm

DIAMETER/DECIMAL/METRIC CHART FOR SMALL DIAMETERS		
GAUGE OR DIAMETER	DECIMAL (INCHES)	(MM)
No. 0000	0.021	.53
No. 000	0.034	.86
No. 00	0.047	1.19
No. 0	0.060	1.524
No. 1	0.073	1.854
No. 2	0.086	2.184
No. 3	0.099	2.515
No. 4	0.112	2.845
No. 5	0.125	3.175
No. 6	0.138	3.505
No. 8	0.164	4.166
No. 10	0.190	4.826
No. 12	0.216	5.484

FASTENER CONVERSION CHART – INCH TO METRIC		
UNC	INCH EQUIVALENT UNF	METRIC SIZE-PITCH ISO AND IFI RECOMMENDED
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 0.6
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

COMMON DIN NUMBERS FOR METRIC FASTENERS	
DIN	HEX CAP SCREWS
931	Coarse thread pitch partially threaded (specify grade)
933	Coarse thread pitch fully threaded (specify grade)
930	Fine thread pitch partially threaded (specify grade)
961	Fine thread pitch fully threaded (specify grade)
DIN	NUTS
934	Hex nuts (specify pitch and class)
985	Nylon insert locknuts (specify pitch and class)
980V	All metal locknuts (specify pitch and class)
DIN	WASHERS
125	Flatwashers
127	Lockwashers
DIN	SOCKET PRODUCTS
912	Socket head capscrews (normally GR 12.9 and coarse thread)
7991	Flat head socket capscrews (normally GR 12.9 and coarse thread)
916	Socket setscrews (normally GR 12.9 and coarse thread)
DIN	MACHINE SCREWS
7985	Pan head Phillips drive zinc plated
965	Flat head Phillips drive zinc plated
DIN	THREADED ROD
975	All threaded rod (normally 1 meter lengths, specify grade and pitch)

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