Socket Size Chart

SAE and metric sockets in order · nearest in the other system · bolt heads

SOCKET	SIZE	NEAREST OTHER	DIFFERENCE
6 mm	.236"	1/4"	+0.35 mm
1/4"	6.35 mm	6 mm	-0.35 mm
7 mm	.276"	1/4"	-0.65 mm
5/16"	7.94 mm	8 mm	+0.06 mm
8 mm	.315"	5/16"	-0.06 mm
9 mm	.354"	3/8"	+0.53 mm
3/8"	9.53 mm	10 mm	+0.48 mm
10 mm	.394"	3/8"	-0.48 mm
11 mm	.433"	7/16"	+0.11 mm
7/16"	11.11 mm	11 mm	-0.11 mm
12 mm	.472"	1/2"	+0.70 mm
1/2"	12.70 mm	13 mm	+0.30 mm
13 mm	.512"	1/2"	-0.30 mm
14 mm	.551"	9/16"	+0.29 mm
9/16"	14.29 mm	14 mm	-0.29 mm
15 mm	.591"	9/16"	-0.71 mm
5/8"	15.88 mm	16 mm	+0.13 mm
16 mm	.630"	5/8"	-0.13 mm
17 mm	.669"	11/16"	+0.46 mm
11/16"	17.46 mm	17 mm	-0.46 mm
18 mm	.709"	11/16"	-0.54 mm
19 mm	.748"	3/4"	+0.05 mm
3/4"	19.05 mm	19 mm	-0.05 mm
13/16"	20.64 mm	-	-
7/8"	22.23 mm	-	-
15/16"	23.81 mm	-	-
1"	25.40 mm	-	-

SOCKET	SIZE	NEAREST OTHER	DIFFERENCE
1-1/16"	26.99 mm	-	-
1-1/8"	28.58 mm	-	-
1-1/4"	31.75 mm	-	-
1-1/2"	38.10 mm	-	-

INCH BOLT OR LAG	SOCKET	IN MM
1/4"	7/16"	11.11 mm
5/16"	1/2"	12.70 mm
3/8"	9/16"	14.29 mm
7/16" lag	5/8"	15.88 mm
1/2"	3/4"	19.05 mm
5/8"	15/16"	23.81 mm
3/4"	1-1/8"	28.58 mm
7/8"	1-5/16"	33.34 mm
1"	1-1/2"	38.10 mm

METRIC THREAD	SOCKET	LARGE SERIES
M5	8 mm	-
M6	10 mm	-
M8	13 mm	-
M10	16 mm	-
M12	18 mm	21 mm
M14	21 mm	24 mm
M16	24 mm	27 mm
M20	30 mm	34 mm
M24	36 mm	41 mm

Sockets: GEARWRENCH's 3/8" drive SAE and metric 6 point sets and its 1/2" drive SAE set. Difference = how much bigger (+) or smaller the nearest socket in the other system is.

Bolt heads: inch hex bolts and lag screws from the NDS Appendix L (ASME B18.2.1); metric hex heads from ISO 272. A socket bigger than the head can slip and round it.