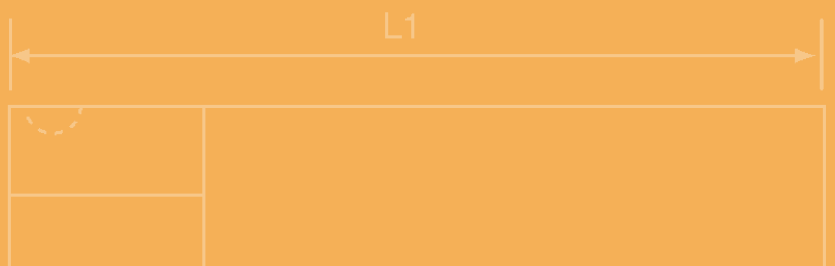


Size Matters

Size chart

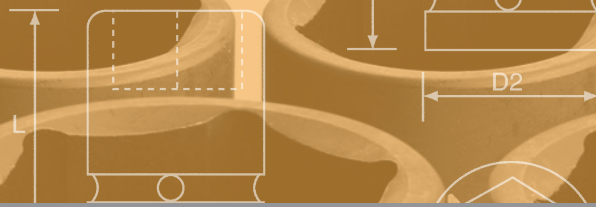


Size chart



Bolt size	Size	Tolerance	Bolt size	Size	Tolerance	Bolt size	Size	Tolerance
	3mm	3.02 3.08		20mm	20.06 20.46	7/8"UNC	1-7/16"	36.61 37.22
	1/8"	3.19 3.25	9/16"B-UNF	13/16"	20.69 21.09		7/8"BSW	37.69 38.29
M2	4mm	4.02 4.12		7/16"BSW	20.89 21.29		38mm	38.10 38.70
	3/16"	4.78 4.88		21mm	21.06 21.46	1"UNF	1-1/2"	38.20 38.80
M2.5	5mm	5.02 5.12	M14	22mm	22.06 22.46		1-9/16"	39.78 40.38
M3	5.5mm	5.53 5.63	1/2"UNC	7/8"	22.28 22.68		40mm	40.10 40.70
M3.5	6mm	6.03 6.15		23mm	23.06 23.46		15/16"BSW	40.25 40.85
	1/4"	6.38 6.50		1/2"BSW	23.43 23.83	M27	41mm	41.10 41.70
M4	7mm	7.03 7.15	5/8"UNF	15/16"	23.87 24.27	1"UNC	1-5/8"	41.37 41.97
	5/16"	7.96 8.11	M16	24mm	24.06 24.46		42mm	42.10 42.70
M5	8mm	8.03 8.18		25mm	25.06 25.46		1"BSW	42.52 43.12
	1/8"BSW	8.62 8.77		1"	25.46 25.86	1-1/8"UNF	1-11/16"	42.96 43.56
	9mm	9.03 9.18		9/16"BSW	25.73 26.23		43mm	43.10 43.70
	3/8"	9.55 9.70		26mm	26.08 26.58		44mm	44.10 44.70
M6	10mm	10.04 10.24	5/8"UNC	1-1/16"	27.06 27.56		1-3/4"	44.55 45.15
M7	11mm	11.04 11.24	M18	27mm	27.08 27.58		45mm	45.10 45.70
1/4"UNF	7/16"	11.15 11.35		28mm	28.08 28.58	M30	46mm	46.10 46.70
	3/16"BSW	11.34 11.54		5/8"BSW	28.11 28.61	1-1/8"UNC	1-13/16"	46.13 46.73
	12mm	12.04 12.30	3/4"UNF	1-1/8"	28.65 29.15		47mm	47.10 47.70
5/16"UNF	1/2"	12.74 13.00		29mm	29.08 29.58		1-1/8"BSW	47.34 47.94
M8	13mm	13.04 13.30	M20	30mm	30.08 30.58	1-1/4"UNF	1-7/8"	47.72 48.32
	1/4"BSW	13.38 13.64		1-3/16"	30.24 30.74		48mm	48.10 48.70
	14mm	14.05 14.35		11/16"BSW	30.56 31.06		49mm	49.10 49.70
3/8"UNF	9/16"	14.33 14.63		31mm	31.08 31.58		1-15/16"	49.31 49.91
	15mm	15.05 15.35	3/4"UNC	1-1/4"	31.83 32.33	M33	50mm	50.10 50.70
	5/16"BSW	15.29 15.59	M22	32mm	32.08 32.58	1-1/4"UNC	2"	50.90 51.50
7/16"UNF	5/8"	15.92 16.22		33mm	33.08 33.58		51mm	51.10 51.70
	16mm	16.05 16.35		3/4"BSW	33.10 33.60		52mm	52.10 52.70
M10	17mm	17.05 17.40	7/8"UNF	1-5/16"	33.41 33.91		1-1/4"BSW	52.17 52.77
7/16"B-UNF	11/16"	17.51 17.86		34mm	34.08 34.58	1-3/8"UNF	2-1/16"	52.40 53.00
	18mm	18.05 18.40		1-3/8"	35.00 35.50		2-1/8"	54.07 54.67
	3/8"BSW	18.08 18.43		35mm	35.08 35.58		54mm	54.10 54.70
M12	19mm	19.06 19.46		13/16"BSW	35.39 35.89	M36	55mm	55.12 55.92
1/2"UNF	3/4"	19.11 19.51	M24	36mm	36.10 36.70	1-3/8"UNC	2-3/16"	55.68 56.48

Size chart



Bolt size	Size	Tolerance	Bolt size	Size	Tolerance	Bolt size	Size	Tolerance
	56mm	56.12 56.92		3-1/4"	82.70 83.70	M85	120mm	120.20 121.40
	1-3/8"BSW	56.51 57.31		3-5/16"	84.28 85.28		4-3/4"	120.85 122.05
	57mm	57.12 57.92	M56	85mm	85.15 86.15		4-13/16"	122.43 123.63
1-1/2"UNF	2-1/4"	57.27 58.07	2-1/4"UNF	3-3/8"	85.87 86.87		3-1/4"BSW	123.52 124.72
	2-5/16"	58.85 59.65		3-7/16"	87.46 88.46		4-7/8"	124.02 125.22
M39	60mm	60.12 60.92	2-1/4"UNC	3-1/2"	89.05 90.05		125mm	125.20 126.40
1-1/2"UNC	2-3/8"	60.44 61.24	M60	90mm	90.15 91.15		4-15/16"	125.61 126.81
	1-1/2"BSW	61.33 62.13		2-1/4"BSW	90.15 91.15	3-1/4"UNC	5"	127.20 128.40
1-5/8"UNF	2-7/16"	62.03 62.83		3-9/16"	90.63 91.63		5-1/16"	128.78 129.98
	2-1/2"	63.62 64.42		3-5/8"	92.22 93.22	M90	130mm	130.20 131.40
M42	65mm	65.12 65.92		3-11/16"	93.81 94.81		5-1/8"	130.37 131.57
1-5/8"UNC	2-9/16"	65.20 66.00	M64	95mm	95.15 96.15		3-1/2"BSW	131.78 132.98
	1-5/8"BSW	65.65 66.45	2-1/2"UNF	3-3/4"	95.40 96.40		5-3/16"	131.96 133.16
	66mm	66.12 66.92	2-1/2"UNC	3-7/8"	98.57 99.57		5-1/4"	133.55 134.75
1-3/4"UNF	2-5/8"	66.79 67.59		2-1/2"BSW	99.15 100.15		5-5/16"	135.13 136.33
	67mm	67.12 67.92	M68	100mm	100.15 101.15	M95	135mm	135.20 136.40
	2-11/16"	68.38 69.18		3-15/16"	100.16 101.16	3-1/2"UNC	5-3/8"	136.72 137.92
1-3/4"UNC	2-3/4"	69.97 70.77		4"	101.75 102.75		5-7/16"	138.31 139.51
M45	70mm	70.12 70.92		4-1/16"	103.33 104.33		5-1/2"	139.90 141.10
	1-3/4"BSW	70.22 71.02		4-1/8"	104.92 105.92		140mm	140.20 141.40
1-7/8"UNF	2-13/16"	71.55 72.35	M72	105mm	105.20 106.40		3-3/4"BSW	141.30 142.50
	73mm	73.12 73.92		2-3/4"BSW	106.38 107.58		5-9/16"	141.48 142.68
	2-7/8"	73.14 73.94		4-3/16"	106.56 107.76		5-5/8"	143.07 144.27
1-7/8"UNC	2-15/16"	74.73 75.53	2-3/4"UNC	4-1/4"	108.15 109.35		5-11/16"	144.66 145.86
M48	75mm	75.15 76.15		4-5/16"	109.73 110.93	M100	145mm	145.20 146.40
2"UNF	3"	76.35 77.35	M76	110mm	110.20 111.40	3-3/4"UNC	5-3/4"	146.25 147.45
	1-7/8"BSW	76.85 77.85		4-3/8"	111.32 112.52		5-13/16"	147.83 149.03
	77mm	77.15 78.15		4-7/16"	112.91 114.11		5-7/8"	149.42 150.62
	3-1/16"	77.94 78.94		4-1/2"	114.50 115.70	M105	150mm	150.20 151.40
	78mm	78.15 79.15	M80	115mm	115.20 116.40		5-15/16"	151.01 152.21
2"UNC	3-1/8"	79.52 80.52		3"BSW	115.27 116.47		4"BSW	151.46 152.66
M52	80mm	80.15 81.15		4-9/16"	116.08 117.28		6"	152.60 153.80
	2"BSW	80.16 81.16	3"UNC	4-5/8"	117.67 118.87	M110	155mm	155.20 156.40
	3-3/16"	81.11 82.11		4-11/16"	119.26 120.46	4"UNC	6-1/8"	155.78 156.98

MANDATORY EYE PROTECTION

These safety recommendations simply reflect good engineering practice and are not intended to be a comprehensive set of rules. They compliment, but do not replace standard precautions to be taken by every user in compliance with professional guidelines, company procedures or national regulations.



Keep and follow all power tool manufacturers operating instructions and safety rules.

- Always wear eye safety goggles and any other appropriate protective equipment while using any impact tool or attachment.
- Use only impact sockets and accessory products that are in good condition. Tools showing signs of wear should be replaced.
- Always select the correct size and type of tool for the job to be done.
- When using a universal joint, adaptor or extension bar, never operate the tool off the work.
- Universal joints must not be operated at too great an angle.
- Use only socket retaining pins designed for that purpose. Never use a make-shift pin.
- Never continue to drive with an impact socket once the fastener is tight.
- Never modify an impact socket from its original design to accomplish a task for which it was not intended.
- Never hold a socket, universal joint or other attachment in your hand while the power tool is running
- Male Hexagon and Torx Drivers are designed for the insertion(low torque)/removal of free running cap screws.