

Bolt size	Size	Tolerance	
	3mm	3.02	3.08
	1/8"	3.19	3.25
M2	4mm	4.02	4.12
	3/16"	4.78	4.88
M2.5	5mm	5.02	5.12
M3	5.5mm	5.53	5.63
M3.5	6mm	6.03	6.15
	1/4"	6.38	6.50
M4	7mm	7.03	7.15
	5/16"	7.96	8.11
M5	8mm	8.03	8.18
	1/8"BSW	8.62	8.77
	9mm	9.03	9.18
	3/8"	9.55	9.70
M6	10mm	10.04	10.24
M7	11mm	11.04	11.24
1/4"UNF	7/16"	11.15	11.35
	3/16"BSW	11.34	11.54
	12mm	12.04	12.30
5/16"UNF	1/2"	12.74	13.00
M8	13mm	13.04	13.30
	1/4"BSW	13.38	13.64
	14mm	14.05	14.35
3/8"UNF	9/16"	14.33	14.63
	15mm	15.05	15.35
	5/16"BSW	15.29	15.59
7/16"UNF	5/8"	15.92	16.22
	16mm	16.05	16.35
M10	17mm	17.05	17.40
7/16"UNF	11/16"	17.51	17.86
	18mm	18.05	18.40
	3/8"BSW	18.08	18.43
M12	19mm	19.06	19.46
1/2"UNF	3/4"	19.11	19.51
	20mm	20.06	20.46
9/16"UNF	13/16"	20.69	21.09
	7/16"BSW	20.89	21.29
	21mm	21.06	21.46
M14	22mm	22.06	22.46
1/2"UNC	7/8"	22.28	22.68
	23mm	23.06	23.46

Bolt size	Size	Tolerance	
	1/2"BSW	23.43	23.83
5/8"UNF	15/16"	23.87	24.27
M16	24mm	24.06	24.46
	25mm	25.06	25.46
	1"	25.46	25.86
	9/16"BSW	25.73	26.23
	26mm	26.08	26.58
5/8"UNC	1-1/16"	27.06	27.56
M18	27mm	27.08	27.58
	28mm	28.08	28.58
	5/8"BSW	28.11	28.61
3/4"UNF	1-1/8"	28.65	29.15
	29mm	29.08	29.58
M20	30mm	30.08	30.58
	1-3/16"	30.24	30.74
	11/16"BSW	30.56	31.06
	31mm	31.08	31.58
3/4"UNC	1-1/4"	31.83	32.33
M22	32mm	32.08	32.58
	33mm	33.08	33.58
	3/4"BSW	33.10	33.60
7/8"UNF	1-5/16"	33.41	33.91
	34mm	34.08	34.58
	1-3/8"	35.00	35.50
	35mm	35.08	35.58
	13/16"BSW	35.39	35.89
M24	36mm	36.10	36.70
7/8"UNC	1-7/16"	36.61	37.22
	7/8"BSW	37.69	38.29
	38mm	38.10	38.70
1"UNF	1-1/2"	38.20	38.80
	1-9/16"	39.78	40.38
	40mm	40.10	40.70
	15/16"BSW	40.25	40.85
M27	41mm	41.10	41.70
1"UNC	1-5/8"	41.37	41.97
	42mm	42.10	42.70
	1"BSW	42.52	43.12
1-1/8"UNF	1-11/16"	42.96	43.56
	43mm	43.10	43.70
	44mm	44.10	44.70

Bolt size	Size	Tolerance	
	1-3/4"	44.55	45.15
	45mm	45.10	45.70
M30	46mm	46.10	46.70
1-1/8"UNC	1-13/16"	46.13	46.73
	47mm	47.10	47.70
	1-1/8"BSW	47.34	47.94
1-1/4"UNF	1-7/8"	47.72	48.32
	48mm	48.10	48.70
	49mm	49.10	49.70
	1-15/16"	49.31	49.91
M33	50mm	50.10	50.70
1-1/4"UNC	2"	50.90	51.50
	51mm	51.10	51.70
	52mm	52.10	52.70
	1-1/4"BSW	52.17	52.77
1-3/8"UNF	2-1/16"	52.40	53.00
	2-1/8"	54.07	54.67
	54mm	54.10	54.70
M36	55mm	55.12	55.92
1-3/8"UNC	2-3/16"	55.68	56.48
	56mm	56.12	56.92
	1-3/8"BSW	56.51	57.31
	57mm	57.12	57.92
1-1/2"UNF	2-1/4"	57.27	58.07
	2-5/16"	58.85	59.65
M39	60mm	60.12	60.92
1-1/2"UNC	2-3/8"	60.44	61.24
	1-1/2"BSW	61.33	62.13
1-5/8"UNF	2-7/16"	62.03	62.83
	2-1/2"	63.62	64.42
M42	65mm	65.12	65.92
1-5/8"UNC	2-9/16"	65.20	66.00
	1-5/8"BSW	65.65	66.45
	66mm	66.12	66.92
1-3/4"UNF	2-5/8"	66.79	67.59
	2-11/16"	68.38	69.18
1-3/4"UNC	2-3/4"	69.97	70.77
M45	70mm	70.12	70.92
	1-3/4"BSW	70.22	71.02
1-7/8"UNF	2-13/16"	71.55	72.35
	73mm	73.12	73.92

Bolt size	Size	Tolerance	
	2-7/8"	73.14	73.94
1-7/8"UNC	2-15/16"	74.73	75.53
M48	75mm	75.15	76.15
2"UNF	3"	76.35	77.35
	1-7/8"BSW	76.85	77.85
	77mm	77.15	78.15
	3-1/16"	77.94	78.94
	78mm	78.15	79.15
2"UNC	3-1/8"	79.52	80.52
M52	80mm	80.15	81.15
	2"BSW	80.16	81.16
	3-3/16"	81.11	82.11
	3-1/4"	82.70	83.70
	3-5/16"	84.28	85.28
M56	85mm	85.15	86.15
2-1/4"UNF	3-3/8"	85.87	86.87
	3-7/16"	87.46	88.46
2-1/4"UNC	3-1/2"	89.05	90.05
M60	90mm	90.15	91.15
	2-1/4"BSW	90.15	91.15
	3-9/16"	90.63	91.63
	3-5/8"	92.22	93.22
	3-11/16"	93.81	94.81
M64	95mm	95.15	96.15
2-1/2"UNF	3-3/4"	95.40	96.40
2-1/2"UNC	3-7/8"	98.57	99.57
	2-1/2"BSW	99.15	100.15
M68	100mm	100.15	101.15
	3-15/16"	100.16	101.16
	4"	101.75	102.75
	4-1/16"	103.33	104.33
	4-1/8"	104.92	105.92
M72	105mm	105.20	106.40
	2-3/4"BSW	106.38	107.58
	4-3/16"	106.56	107.76
2-3/4"UNC	4-1/4"	108.15	109.35
	4-5/16"	109.73	110.93
M76	110mm	110.20	111.40
	4-3/8"	111.32	112.52
	4-7/16"	112.91	114.11
	4-1/2"	114.50	115.70

Bolt size	Size	Tolerance	
M80	115mm	115.20	116.40
	3"BSW	115.27	116.47
	4-9/16"	116.08	117.28
3"UNC	4-5/8"	117.67	118.87
	4-11/16"	119.26	120.46
M85	120mm	120.20	121.40
	4-3/4"	120.85	122.05
	4-13/16"	122.43	123.63
	3-1/4"BSW	123.52	124.72
	4-7/8"	124.02	125.22
	125mm	125.20	126.40
	4-15/16"	125.61	126.81
3-1/4"UNC	5"	127.20	128.40
	5-1/16"	128.78	129.98
M90	130mm	130.20	131.40
	5-1/8"	130.37	131.57
	3-1/2"BSW	131.78	132.98
	5-3/16"	131.96	133.16
	5-1/4"	133.55	134.75
	5-5/16"	135.13	136.33
M95	135mm	135.20	136.40
3-1/2"UNC	5-3/8"	136.72	137.92
	5-7/16"	138.31	139.51
	5-1/2"	139.90	141.10
	140mm	140.20	141.40
	3-3/4"BSW	141.30	142.50
	5-9/16"	141.48	142.68
	5-5/8"	143.07	144.27
	5-11/16"	144.66	145.86
M100	145mm	145.20	146.40
3-3/4"UNC	5-3/4"	146.25	147.45
	5-13/16"	147.83	149.03
	5-7/8"	149.42	150.62
M105	150mm	150.20	151.40
	5-15/16"	151.01	152.21
	4"BSW	151.46	152.66
	6"	152.60	153.80
M110	155mm	155.20	155.20
4"UNC	6-1/8"	155.78	156.98