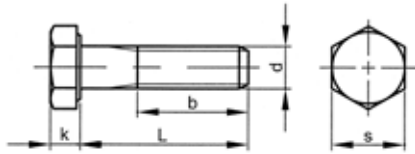
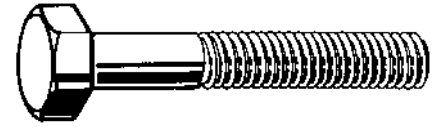


Hexagon head bolt

1



ISO 4014
 DIN 931
 NEN 1555
 ANSI B18.2.3.1M
 NF E25-112



Technical data

d	P	b (min.): L≤125mm	b (min.): 125mm<L≤200mm	b (min.): L>200mm	k	s
M4	0,7	14	-	-	2,8	7
M5	0,8	16	22	-	3,5	8
M6	1	18	24	-	4	10
M7	1	20	26	-	4,8	11
M8	1,25	22	28	-	5,3	13
M10 (DIN)	1,5	26	32	45	6,4	17
M10	1,5	26	-	-	6,4	16
M12 (DIN)	1,75	30	36	49	7,5	19
M12	1,75	30	36	-	7,5	18
M14 (DIN)	2	34	40	53	8,8	22
M14	2	34	40	-	8,8	21
M16	2	38	44	57	10	24
M18	2,5	42	48	61	11,5	27
M20	2,5	46	52	65	12,5	30
M22 (DIN)	2,5	50	56	69	14	32
M22	2,5	50	56	69	14	34
M24	3	54	60	73	15	36
M27	3	60	66	79	17	41
M30	3,5	66	72	85	18,7	46
M33	3,5	72	78	91	21	50
M36	4	78	84	97	22,5	55
M39	4	84	90	103	25	60
M42	4,5	90	96	109	26	65
M45	4,5	96	102	115	28	70
M48	5	102	108	121	30	75
M52	5	-	116	119	33	80
M56	5,5	-	124	137	35	85
M60	5,5	-	132	145	38	90
M64	6	-	140	153	40	95

- Size 'b' is a guide value, it amounts on the minimum length of the threaded part.

Article groups

Thread	Driving features	Material	Class	Surface treatment	Colour	Packaging	Code	Page
M	hexagon	St	8.8			Standard	01000	1-3
M	hexagon	St	8.8	Zipl		Standard	01200	1-4
M	hexagon	St	8.8	Zipl yell.p.		Standard	01220	1-6
M	hexagon	St	8.8	Hot d.g.	iso metric	Standard	01400	1-7
M	hexagon	St	8.8	Hot d.g.	oversized	Standard	01420	1-8
M	hexagon	St	10.9			Standard	04100	1-8
M	hexagon	St	10.9	FLZNNC-NC6		Standard	04105	1-9
M	hexagon	St	8.8	FLZNNC-NC6		Standard	01226	1-10
M	hexagon	St	12.9			Standard	04108	1-10
M	hexagon	St	5.6		for pressure vessels	Standard	08750	1-11
M	hexagon	St.St. A2	70			Standard	51000	1-11
M	hexagon	St.St. A4	70			Standard	55000	1-13
M	hexagon	St.St. A4	80			Standard	53510	1-14
M	hexagon	St 24CrMo5	G			Standard	23010	1-15
M	hexagon	Plastic PA	PA 6.6		White	Standard	56090	1-15

01000 Hexagon head bolt		A01A
Thread	Metric thread	
Material	Steel	
Class	8.8	
Packaging	Standard	

d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
M4X25	500	01000.040.025	M12X70/S=19	50	01000.120.070	M18X85	25	01000.180.085
M4X30	500	01000.040.030	M12X75/S=19	50	01000.120.075	M18X90	25	01000.180.090
M4X40	500	01000.040.040	M12X80/S=19	50	01000.120.080	M18X100	25	01000.180.100
			M12X85/S=19	50	01000.120.085	M18X110	25	01000.180.110
M5X30	200	01000.050.030	M12X90/S=19	50	01000.120.090	M18X120	25	01000.180.120
M5X35	200	01000.050.035	M12X100/S=19	50	01000.120.100	M18X130	25	01000.180.130
M5X40	200	01000.050.040	M12X110/S=19	50	01000.120.110	M18X140	25	01000.180.140
M5X45	200	01000.050.045	M12X120/S=19	50	01000.120.120	M18X150	25	01000.180.150
M5X50	200	01000.050.050	M12X130/S=19	50	01000.120.130	M18X160	25	01000.180.160
M5X55	200	01000.050.055	M12X140/S=19	50	01000.120.140	M18X170	25	01000.180.170
M5X60	200	01000.050.060	M12X150/S=19	50	01000.120.150	M18X180	10	01000.180.180
M5X70	200	01000.050.070	M12X160/S=19	25	01000.120.160	M18X200	10	01000.180.200
			M12X170/S=19	25	01000.120.170	M18X220	10	01000.180.220
M6X30	200	01000.060.030	M12X180/S=19	25	01000.120.180	M18X240	10	01000.180.240
M6X35	200	01000.060.035	M12X190/S=19	25	01000.120.190	M18X260	10	01000.180.260
M6X40	200	01000.060.040	M12X200/S=19	25	01000.120.200	M18X280	10	01000.180.280
M6X45	200	01000.060.045	M12X220/S=19	25	01000.120.220	M18X300	10	01000.180.300
M6X50	200	01000.060.050	M12X240/S=19	25	01000.120.240	M18X320	10	01000.180.320
M6X55	200	01000.060.055	M12X260/S=19	25	01000.120.260			
M6X60	200	01000.060.060	M12X280/S=19	25	01000.120.280	M20X60	50	01000.200.060
M6X65	200	01000.060.065				M20X65	25	01000.200.065
M6X70	200	01000.060.070	M14X50/S=22	50	01000.140.050	M20X70	25	01000.200.070
M6X75	200	01000.060.075	M14X55/S=22	50	01000.140.055	M20X75	25	01000.200.075
M6X80	200	01000.060.080	M14X60/S=22	50	01000.140.060	M20X80	25	01000.200.080
M6X90	200	01000.060.090	M14X65/S=22	50	01000.140.065	M20X85	25	01000.200.085
			M14X70/S=22	50	01000.140.070	M20X90	25	01000.200.090
M7X30	200	01000.070.030	M14X75/S=22	50	01000.140.075	M20X100	25	01000.200.100
M7X35	200	01000.070.035	M14X80/S=22	50	01000.140.080	M20X110	25	01000.200.110
M7X40	200	01000.070.040	M14X90/S=22	50	01000.140.090	M20X120	25	01000.200.120
M7X50	200	01000.070.050	M14X100/S=22	50	01000.140.100	M20X130	25	01000.200.130
M7X60	200	01000.070.060	M14X110/S=22	50	01000.140.110	M20X140	25	01000.200.140
			M14X120/S=22	50	01000.140.120	M20X150	25	01000.200.150
M8X35	200	01000.080.035	M14X130/S=22	25	01000.140.130	M20X160	10	01000.200.160
M8X40	200	01000.080.040	M14X140/S=22	25	01000.140.140	M20X170	10	01000.200.170
M8X45	200	01000.080.045	M14X150/S=22	25	01000.140.150	M20X180	10	01000.200.180
M8X50	200	01000.080.050	M14X160/S=22	25	01000.140.160	M20X190	10	01000.200.190
M8X55	200	01000.080.055	M14X180/S=22	25	01000.140.180	M20X200	10	01000.200.200
M8X60	200	01000.080.060	M14X200/S=22	25	01000.140.200	M20X220	10	01000.200.220
M8X65	200	01000.080.065				M20X230	10	01000.200.230
M8X70	200	01000.080.070	M16X50	100	01000.160.050	M20X240	10	01000.200.240
M8X75	200	01000.080.075	M16X55	50	01000.160.055	M20X250	10	01000.200.250
M8X80	200	01000.080.080	M16X60	50	01000.160.060	M20X260	10	01000.200.260
M8X85	100	01000.080.085	M16X65	25	01000.160.065	M20X280	10	01000.200.280
M8X90	100	01000.080.090	M16X70	25	01000.160.070	M20X300	10	01000.200.300
M8X100	100	01000.080.100	M16X75	25	01000.160.075	M20X320	5	01000.200.320
M8X110	100	01000.080.110	M16X80	25	01000.160.080	M20X340	5	01000.200.340
M8X120	100	01000.080.120	M16X85	25	01000.160.085	M20X360	5	01000.200.360
M8X130	100	01000.080.130	M16X90	25	01000.160.090	M20X380	5	01000.200.380
M8X140	50	01000.080.140	M16X100	25	01000.160.100	M20X400	5	01000.200.400
M8X150	50	01000.080.150	M16X110	25	01000.160.110			
			M16X120	25	01000.160.120	M22X70/S=32	25	01000.220.070
M10X40/S=17	100	01000.100.040	M16X130	25	01000.160.130	M22X75/S=32	25	01000.220.075
M10X45/S=17	100	01000.100.045	M16X140	25	01000.160.140	M22X80/S=32	25	01000.220.080
M10X50/S=17	100	01000.100.050	M16X150	25	01000.160.150	M22X90/S=32	25	01000.220.090
M10X55/S=17	100	01000.100.055	M16X160	25	01000.160.160	M22X100/S=32	10	01000.220.100
M10X60/S=17	100	01000.100.060	M16X170	25	01000.160.170	M22X110/S=32	10	01000.220.110
M10X65/S=17	100	01000.100.065	M16X180	25	01000.160.180	M22X120/S=32	10	01000.220.120
M10X70/S=17	100	01000.100.070	M16X190	25	01000.160.190	M22X130/S=32	10	01000.220.130
M10X75/S=17	100	01000.100.075	M16X200	25	01000.160.200	M22X140/S=32	10	01000.220.140
M10X80/S=17	100	01000.100.080	M16X210	25	01000.160.210	M22X150/S=32	10	01000.220.150
M10X85/S=17	100	01000.100.085	M16X220	25	01000.160.220	M22X160/S=32	10	01000.220.160
M10X90/S=17	100	01000.100.090	M16X230	25	01000.160.230	M22X180/S=32	10	01000.220.180
M10X100/S=17	100	01000.100.100	M16X240	10	01000.160.240	M22X200/S=32	5	01000.220.200
M10X110/S=17	50	01000.100.110	M16X260	10	01000.160.260	M22X220/S=32	5	01000.220.220
M10X120/S=17	50	01000.100.120	M16X270	10	01000.160.270	M22X240/S=32	5	01000.220.240
M10X130/S=17	50	01000.100.130	M16X280	10	01000.160.280	M22X260/S=32	5	01000.220.260
M10X140/S=17	50	01000.100.140	M16X300	10	01000.160.300	M22X280/S=32	5	01000.220.280
M10X150/S=17	50	01000.100.150	M16X320	10	01000.160.320	M22X300/S=32	5	01000.220.300
M10X160/S=17	50	01000.100.160	M16X340	10	01000.160.340			
M10X170/S=17	50	01000.100.170	M16X360	10	01000.160.360	M24X70	25	01000.240.070
M10X180/S=17	50	01000.100.180	M16X380	10	01000.160.380	M24X75	25	01000.240.075
M10X200/S=17	50	01000.100.200	M16X400	10	01000.160.400	M24X80	25	01000.240.080
						M24X85	25	01000.240.085
M12X45/S=19	100	01000.120.045	M18X55	25	01000.180.055	M24X90	10	01000.240.090
M12X50/S=19	100	01000.120.050	M18X60	25	01000.180.060	M24X100	10	01000.240.100
M12X55/S=19	100	01000.120.055	M18X65	25	01000.180.065	M24X110	10	01000.240.110
M12X60/S=19	100	01000.120.060	M18X70	25	01000.180.070	M24X120	10	01000.240.120
M12X65/S=19	50	01000.120.065	M18X75	25	01000.180.075	M24X130	10	01000.240.130
			M18X80	25	01000.180.080	M24X140	10	01000.240.140

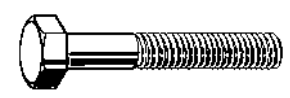
1

01000 Hexagon head bolt ←

d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
M24X150	10	01000.240.150	M33X140	5	01000.330.140	M42X320	1	01000.420.320
M24X160	10	01000.240.160	M33X150	5	01000.330.150	M42X340	1	01000.420.340
M24X170	10	01000.240.170	M33X160	5	01000.330.160	M42X360	1	01000.420.360
M24X180	10	01000.240.180	M33X170	2	01000.330.170	M42X400	1	01000.420.400
M24X190	10	01000.240.190	M33X180	2	01000.330.180	M42X420	1	01000.420.420
M24X200	10	01000.240.200	M33X190	2	01000.330.190	M42X460	1	01000.420.460
M24X210	10	01000.240.210	M33X200	2	01000.330.200	M42X480	1	01000.420.480
M24X220	10	01000.240.220	M33X220	2	01000.330.220	M42X500	1	01000.420.500
M24X240	10	01000.240.240	M33X240	2	01000.330.240			
M24X250	10	01000.240.250	M33X250	2	01000.330.250	M45X120	1	01000.450.120
M24X260	10	01000.240.260	M33X260	2	01000.330.260	M45X140	1	01000.450.140
M24X280	10	01000.240.280	M33X280	2	01000.330.280	M45X160	1	01000.450.160
M24X300	10	01000.240.300	M33X300	2	01000.330.300	M45X180	1	01000.450.180
M24X320	5	01000.240.320	M33X320	2	01000.330.320	M45X200	1	01000.450.200
M24X340	5	01000.240.340	M33X340	2	01000.330.340	M45X220	1	01000.450.220
M24X360	5	01000.240.360	M33X360	2	01000.330.360	M45X240	1	01000.450.240
M24X380	5	01000.240.380				M45X280	1	01000.450.280
M24X400	5	01000.240.400	M36X110	5	01000.360.110	M45X300	1	01000.450.300
M24X420	5	01000.240.420	M36X120	5	01000.360.120	M45X320	1	01000.450.320
M24X440	5	01000.240.440	M36X130	5	01000.360.130	M45X360	1	01000.450.360
M24X450	5	01000.240.450	M36X140	5	01000.360.140			
			M36X150	5	01000.360.150	M48X140	1	01000.480.140
M27X80	10	01000.270.080	M36X160	5	01000.360.160	M48X150	1	01000.480.150
M27X90	10	01000.270.090	M36X170	2	01000.360.170	M48X160	1	01000.480.160
M27X100	10	01000.270.100	M36X180	2	01000.360.180	M48X170	1	01000.480.170
M27X110	10	01000.270.110	M36X190	2	01000.360.190	M48X180	1	01000.480.180
M27X120	10	01000.270.120	M36X200	2	01000.360.200	M48X200	1	01000.480.200
M27X130	10	01000.270.130	M36X220	2	01000.360.220	M48X240	1	01000.480.240
M27X140	10	01000.270.140	M36X240	2	01000.360.240	M48X260	1	01000.480.260
M27X150	10	01000.270.150	M36X250	2	01000.360.250	M48X280	1	01000.480.280
M27X160	10	01000.270.160	M36X260	2	01000.360.260	M48X300	1	01000.480.300
M27X170	5	01000.270.170	M36X270	2	01000.360.270	M48X320	1	01000.480.320
M27X180	5	01000.270.180	M36X280	2	01000.360.280	M48X360	1	01000.480.360
M27X190	5	01000.270.190	M36X300	2	01000.360.300	M48X400	1	01000.480.400
M27X200	5	01000.270.200	M36X320	1	01000.360.320	M48X500	1	01000.480.500
M27X220	5	01000.270.220	M36X340	1	01000.360.340			
M27X240	5	01000.270.240	M36X360	1	01000.360.360	M52X160	1	01000.520.160
M27X260	5	01000.270.260	M36X400	1	01000.360.400	M52X180	1	01000.520.180
M27X280	5	01000.270.280	M36X420	1	01000.360.420	M52X200	1	01000.520.200
M27X300	5	01000.270.300	M36X440	1	01000.360.440	M52X240	1	01000.520.240
M27X320	5	01000.270.320	M36X460	1	01000.360.460	M52X280	1	01000.520.280
M27X340	5	01000.270.340	M36X480	1	01000.360.480	M52X320	1	01000.520.320
M27X360	5	01000.270.360	M36X500	1	01000.360.500	M52X360	1	01000.520.360
M27X380	5	01000.270.380				M52X400	1	01000.520.400
M27X400	5	01000.270.400	M39X110	1	01000.390.110	M52X500	1	01000.520.500
			M39X120	1	01000.390.120			
M30X90	10	01000.300.090	M39X130	1	01000.390.130	M56X160	1	01000.560.160
M30X100	10	01000.300.100	M39X140	1	01000.390.140	M56X180	1	01000.560.180
M30X110	10	01000.300.110	M39X150	1	01000.390.150	M56X200	1	01000.560.200
M30X120	10	01000.300.120	M39X160	1	01000.390.160	M56X240	1	01000.560.240
M30X130	10	01000.300.130	M39X170	1	01000.390.170	M56X260	1	01000.560.260
M30X140	10	01000.300.140	M39X180	1	01000.390.180	M56X280	1	01000.560.280
M30X150	10	01000.300.150	M39X190	1	01000.390.190	M56X320	1	01000.560.320
M30X160	10	01000.300.160	M39X200	1	01000.390.200	M56X360	1	01000.560.360
M30X170	5	01000.300.170	M39X220	1	01000.390.220	M56X400	1	01000.560.400
M30X180	5	01000.300.180	M39X240	1	01000.390.240	M56X440	1	01000.560.440
M30X190	5	01000.300.190	M39X260	1	01000.390.260			
M30X200	5	01000.300.200	M39X280	1	01000.390.280	M60X160	1	01000.600.160
M30X220	5	01000.300.220	M39X300	1	01000.390.300	M60X180	1	01000.600.180
M30X240	5	01000.300.240	M39X320	1	01000.390.320	M60X200	1	01000.600.200
M30X260	5	01000.300.260	M39X340	1	01000.390.340	M60X240	1	01000.600.240
M30X280	5	01000.300.280	M39X360	1	01000.390.360	M60X280	1	01000.600.280
M30X300	5	01000.300.300	M39X400	1	01000.390.400	M60X320	1	01000.600.320
M30X320	2	01000.300.320				M60X360	1	01000.600.360
M30X340	2	01000.300.340	M42X120	1	01000.420.120			
M30X360	2	01000.300.360	M42X140	1	01000.420.140	M64X180	1	01000.640.180
M30X400	2	01000.300.400	M42X150	1	01000.420.150	M64X200	1	01000.640.200
M30X420	2	01000.300.420	M42X160	1	01000.420.160	M64X240	1	01000.640.240
M30X440	2	01000.300.440	M42X180	1	01000.420.180	M64X280	1	01000.640.280
M30X480	2	01000.300.480	M42X200	1	01000.420.200	M64X320	1	01000.640.320
			M42X220	1	01000.420.220	M64X360	1	01000.640.360
M33X100	5	01000.330.100	M42X240	1	01000.420.240	M64X400	1	01000.640.400
M33X110	5	01000.330.110	M42X260	1	01000.420.260			
M33X120	5	01000.330.120	M42X280	1	01000.420.280			
M33X130	5	01000.330.130	M42X300	1	01000.420.300			

01200 Hexagon head bolt A05A

Thread	Metric thread
Material	Steel
Class	8.8
Surface treatment	Zinc plated
Packaging	Standard



d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
M4X25	500	01200.040.025	M4X35	500	01200.040.035	M4X50	500	01200.040.050
M4X30	500	01200.040.030	M4X40	500	01200.040.040			

01200 Hexagon head bolt

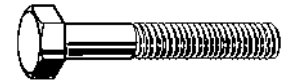
d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
M5X30	200	01200.050.030	M10X140/S=17	50	01200.100.140	M16X140	25	01200.160.140
M5X35	200	01200.050.035	M10X150/S=17	50	01200.100.150	M16X150	25	01200.160.150
M5X40	200	01200.050.040	M10X155/S=17	50	01200.100.155	M16X160	25	01200.160.160
M5X45	200	01200.050.045	M10X160/S=17	50	01200.100.160	M16X170	25	01200.160.170
M5X50	200	01200.050.050	M10X170/S=17	50	01200.100.170	M16X180	25	01200.160.180
M5X55	200	01200.050.055	M10X180/S=17	50	01200.100.180	M16X190	25	01200.160.190
M5X60	200	01200.050.060	M10X200/S=17	50	01200.100.200	M16X200	25	01200.160.200
M5X65	200	01200.050.065	M10X210/S=17	25	01200.100.210	M16X210	25	01200.160.210
M5X70	200	01200.050.070	M10X220/S=17	25	01200.100.220	M16X220	25	01200.160.220
M5X80	200	01200.050.080	M10X240/S=17	25	01200.100.240	M16X230	25	01200.160.230
						M16X240	10	01200.160.240
M6X30	200	01200.060.030	M12X45/S=19	100	01200.120.045	M16X260	10	01200.160.260
M6X35	200	01200.060.035	M12X45/S=18	100	01200.120.046	M16X280	10	01200.160.280
M6X40	200	01200.060.040	M12X50/S=19	100	01200.120.050	M16X300	10	01200.160.300
M6X45	200	01200.060.045	M12X50/S=18	100	01200.120.051	M16X320	10	01200.160.320
M6X50	200	01200.060.050	M12X55/S=19	100	01200.120.055	M16X340	10	01200.160.340
M6X55	200	01200.060.055	M12X55/S=18	100	01200.120.056	M16X360	10	01200.160.360
M6X60	200	01200.060.060	M12X60/S=19	100	01200.120.060	M16X380	10	01200.160.380
M6X65	200	01200.060.065	M12X60/S=18	100	01200.120.061	M16X400	10	01200.160.400
M6X70	200	01200.060.070	M12X65/S=19	50	01200.120.065			
M6X75	200	01200.060.075	M12X65/S=18	50	01200.120.066	M18X60	25	01200.180.060
M6X80	200	01200.060.080	M12X70/S=19	50	01200.120.070	M18X65	25	01200.180.065
M6X90	100	01200.060.090	M12X70/S=18	50	01200.120.071	M18X70	25	01200.180.070
M6X100	100	01200.060.100	M12X75/S=19	50	01200.120.075	M18X75	25	01200.180.075
M6X110	100	01200.060.110	M12X75/S=18	50	01200.120.076	M18X80	25	01200.180.080
M6X120	100	01200.060.120	M12X80/S=19	50	01200.120.080	M18X90	25	01200.180.090
M6X130	100	01200.060.130	M12X80/S=18	50	01200.120.081	M18X100	25	01200.180.100
						M18X110	25	01200.180.110
M7X30	200	01200.070.030	M12X85/S=19	50	01200.120.085	M18X120	25	01200.180.120
M7X35	200	01200.070.035	M12X90/S=19	50	01200.120.090	M18X130	25	01200.180.130
M7X40	200	01200.070.040	M12X90/S=18	50	01200.120.091	M18X140	25	01200.180.140
M7X45	200	01200.070.045	M12X100/S=19	50	01200.120.100	M18X150	25	01200.180.150
M7X50	200	01200.070.050	M12X100/S=18	50	01200.120.101	M18X160	25	01200.180.160
M7X60	200	01200.070.060	M12X110/S=19	50	01200.120.110	M18X180	10	01200.180.180
M7X70	200	01200.070.070	M12X110/S=18	50	01200.120.111	M18X200	10	01200.180.200
M7X80	200	01200.070.080	M12X120/S=19	50	01200.120.120			
						M20X65	25	01200.200.065
M8X35	200	01200.080.035	M12X120/S=18	50	01200.120.121	M20X70	25	01200.200.070
M8X40	200	01200.080.040	M12X130/S=19	50	01200.120.130	M20X75	25	01200.200.075
M8X45	200	01200.080.045	M12X140/S=19	50	01200.120.140	M20X80	25	01200.200.080
M8X50	200	01200.080.050	M12X150/S=19	50	01200.120.150	M20X85	25	01200.200.085
M8X55	200	01200.080.055	M12X160/S=19	25	01200.120.160	M20X90	25	01200.200.090
M8X60	200	01200.080.060	M12X170/S=19	25	01200.120.170	M20X100	25	01200.200.100
M8X65	200	01200.080.065	M12X180/S=19	25	01200.120.180	M20X110	25	01200.200.110
M8X70	200	01200.080.070	M12X190/S=19	25	01200.120.190	M20X120	25	01200.200.120
M8X75	200	01200.080.075	M12X200/S=19	25	01200.120.200	M20X130	25	01200.200.130
M8X80	200	01200.080.080	M12X220/S=19	25	01200.120.220	M20X140	25	01200.200.140
M8X90	100	01200.080.090	M12X240/S=19	25	01200.120.240	M20X150	25	01200.200.150
M8X95	100	01200.080.095	M12X260/S=19	25	01200.120.260	M20X160	10	01200.200.160
M8X100	100	01200.080.100	M12X280/S=19	25	01200.120.280	M20X170	10	01200.200.170
M8X105	100	01200.080.105	M12X300/S=19	25	01200.120.300	M20X180	10	01200.200.180
M8X110	100	01200.080.110				M20X190	10	01200.200.190
M8X120	100	01200.080.120	M14X50/S=22	50	01200.140.050	M20X200	10	01200.200.200
M8X130	100	01200.080.130	M14X50/S=21	50	01200.140.051	M20X220	10	01200.200.220
M8X140	50	01200.080.140	M14X55/S=22	50	01200.140.055	M20X240	10	01200.200.240
M8X150	50	01200.080.150	M14X55/S=21	50	01200.140.056	M20X260	10	01200.200.260
M8X160	50	01200.080.160	M14X60/S=22	50	01200.140.060	M20X280	10	01200.200.280
M8X180	50	01200.080.180	M14X60/S=21	50	01200.140.061	M20X300	10	01200.200.300
M8X200	50	01200.080.200	M14X65/S=22	50	01200.140.065	M20X320	5	01200.200.320
			M14X70/S=22	50	01200.140.070			
M10X40/S=17	100	01200.100.040	M14X75/S=22	50	01200.140.075	M22X70/S=32	25	01200.220.070
M10X40/S=16	100	01200.100.041	M14X80/S=22	50	01200.140.080	M22X80/S=32	25	01200.220.080
M10X45/S=17	100	01200.100.045	M14X80/S=21	50	01200.140.081	M22X90/S=32	25	01200.220.090
M10X45/S=16	100	01200.100.046	M14X90/S=22	50	01200.140.090	M22X100/S=32	10	01200.220.100
M10X50/S=17	100	01200.100.050	M14X100/S=22	50	01200.140.100	M22X110/S=32	10	01200.220.110
M10X50/S=16	100	01200.100.051	M14X100/S=21	50	01200.140.101	M22X120/S=32	10	01200.220.120
M10X55/S=17	100	01200.100.055	M14X110/S=22	50	01200.140.110	M22X130/S=32	10	01200.220.130
M10X55/S=16	100	01200.100.056	M14X110/S=21	50	01200.140.111	M22X140/S=32	10	01200.220.140
M10X60/S=17	100	01200.100.060	M14X120/S=22	50	01200.140.120	M22X150/S=32	10	01200.220.150
M10X60/S=16	100	01200.100.061	M14X130/S=22	25	01200.140.130	M22X160/S=32	10	01200.220.160
M10X65/S=17	100	01200.100.065	M14X140/S=22	25	01200.140.140	M22X180/S=32	10	01200.220.180
M10X65/S=16	100	01200.100.066	M14X150/S=22	25	01200.140.150	M22X200/S=32	5	01200.220.200
M10X70/S=17	100	01200.100.070	M14X160/S=22	25	01200.140.160			
M10X70/S=16	100	01200.100.071	M14X180/S=22	25	01200.140.180	M24X70	25	01200.240.070
M10X75/S=17	100	01200.100.075	M14X200/S=22	25	01200.140.200	M24X75	25	01200.240.075
M10X75/S=16	100	01200.100.076	M14X220/S=22	25	01200.140.220	M24X80	25	01200.240.080
M10X80/S=17	100	01200.100.080	M14X240/S=22	25	01200.140.240	M24X90	10	01200.240.090
M10X80/S=16	100	01200.100.081	M14X260/S=22	25	01200.140.260	M24X100	10	01200.240.100
M10X85/S=17	100	01200.100.085				M24X110	10	01200.240.110
M10X85/S=16	100	01200.100.086	M16X50	50	01200.160.050	M24X120	10	01200.240.120
M10X90/S=17	100	01200.100.090	M16X55	50	01200.160.055	M24X130	10	01200.240.130
M10X90/S=16	100	01200.100.091	M16X60	50	01200.160.060	M24X140	10	01200.240.140
M10X95/S=17	100	01200.100.095	M16X65	25	01200.160.065	M24X150	10	01200.240.150
M10X100/S=17	100	01200.100.100	M16X70	25	01200.160.070	M24X160	10	01200.240.160
M10X100/S=16	100	01200.100.101	M16X75	25	01200.160.075	M24X180	10	01200.240.180
M10X110/S=17	50	01200.100.110	M16X80	25	01200.160.080	M24X200	10	01200.240.200
M10X110/S=16	50	01200.100.111	M16X85	25	01200.160.085	M24X220	10	01200.240.220
M10X120/S=17	50	01200.100.120	M16X90	25	01200.160.090	M24X240	10	01200.240.240
M10X120/S=16	50	01200.100.121	M16X95	50	01200.160.095	M24X260	10	01200.240.260
M10X130/S=17	50	01200.100.130	M16X100	25	01200.160.100	M24X280	10	01200.240.280
			M16X110	25	01200.160.110			
			M16X120	25	01200.160.120			
			M16X130	25	01200.160.130			

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01200 Hexagon head bolt

d x L	Art.number	d x L	Art.number	d x L	Art.number
M24X300	10 01200.240.300	M30X90	10 01200.300.090	M33X110	5 01200.330.110
M24X320	5 01200.240.320	M30X100	10 01200.300.100	M33X120	5 01200.330.120
M24X340	5 01200.240.340	M30X110	10 01200.300.110	M33X140	5 01200.330.140
M24X360	5 01200.240.360	M30X120	10 01200.300.120	M33X160	5 01200.330.160
M24X380	5 01200.240.380	M30X130	10 01200.300.130	M33X180	2 01200.330.180
M24X400	5 01200.240.400	M30X140	10 01200.300.140	M33X200	2 01200.330.200
M27X80	10 01200.270.080	M30X150	10 01200.300.150	M36X110	5 01200.360.110
M27X90	10 01200.270.090	M30X160	10 01200.300.160	M36X120	5 01200.360.120
M27X100	10 01200.270.100	M30X180	5 01200.300.180	M36X130	5 01200.360.130
M27X110	10 01200.270.110	M30X200	5 01200.300.200	M36X140	5 01200.360.140
M27X120	10 01200.270.120	M30X220	5 01200.300.220	M36X150	5 01200.360.150
M27X130	10 01200.270.130	M30X240	5 01200.300.240	M36X160	5 01200.360.160
M27X140	10 01200.270.140	M30X260	5 01200.300.260	M36X180	2 01200.360.180
M27X160	10 01200.270.160	M30X280	5 01200.300.280	M36X200	2 01200.360.200
M27X180	5 01200.270.180	M30X300	5 01200.300.300	M36X220	2 01200.360.220
M27X200	5 01200.270.200	M30X320	2 01200.300.320	M36X240	2 01200.360.240
M27X220	5 01200.270.220	M30X340	2 01200.300.340	M36X260	2 01200.360.260
M27X240	5 01200.270.240	M30X360	2 01200.300.360	M36X280	2 01200.360.280
M27X260	5 01200.270.260	M30X400	2 01200.300.400	M36X300	2 01200.360.300
M27X280	5 01200.270.280				
M27X300	5 01200.270.300	M33X100	5 01200.330.100		

01220 Hexagon head bolt
A06A

Thread	Metric thread
Material	Steel
Class	8.8
Surface treatment	Zinc plated yellow passivated
Packaging	Standard



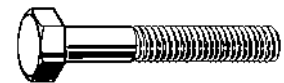
d x L	Art.number	d x L	Art.number	d x L	Art.number
M4X25	500 01220.040.025	M10X60/S=17	100 01220.100.060	M14X200/S=22	25 01220.140.200
M4X30	500 01220.040.030	M10X65/S=17	100 01220.100.065	M16X55	50 01220.160.055
M4X40	500 01220.040.040	M10X70/S=17	100 01220.100.070	M16X60	50 01220.160.060
M4X50	500 01220.040.050	M10X75/S=17	100 01220.100.075	M16X65	25 01220.160.065
M5X30	200 01220.050.030	M10X80/S=17	100 01220.100.080	M16X70	25 01220.160.070
M5X35	200 01220.050.035	M10X85/S=17	100 01220.100.085	M16X75	25 01220.160.075
M5X40	200 01220.050.040	M10X90/S=17	100 01220.100.090	M16X80	25 01220.160.080
M5X45	200 01220.050.045	M10X100/S=17	100 01220.100.100	M16X90	25 01220.160.090
M5X50	200 01220.050.050	M10X110/S=17	50 01220.100.110	M16X100	25 01220.160.100
M5X55	200 01220.050.055	M10X120/S=17	50 01220.100.120	M16X110	25 01220.160.110
M5X60	200 01220.050.060	M10X130/S=17	50 01220.100.130	M16X120	25 01220.160.120
M5X70	200 01220.050.070	M10X140/S=17	50 01220.100.140	M16X130	25 01220.160.130
M5X80	200 01220.050.080	M10X150/S=17	50 01220.100.150	M16X140	25 01220.160.140
M6X30	200 01220.060.030	M10X160/S=17	50 01220.100.160	M16X150	25 01220.160.150
M6X35	200 01220.060.035	M10X170/S=17	50 01220.100.170	M16X160	25 01220.160.160
M6X40	200 01220.060.040	M10X180/S=17	50 01220.100.180	M16X180	25 01220.160.180
M6X45	200 01220.060.045	M10X200/S=17	50 01220.100.200	M16X200	25 01220.160.200
M6X50	200 01220.060.050	M10X220/S=17	50 01220.100.220	M16X220	25 01220.160.220
M6X55	200 01220.060.055	M12X45/S=19	100 01220.120.045	M16X240	25 01220.160.240
M6X60	200 01220.060.060	M12X50/S=19	100 01220.120.050	M20X65	25 01220.200.065
M6X70	200 01220.060.070	M12X55/S=19	100 01220.120.055	M20X70	25 01220.200.070
M6X80	200 01220.060.080	M12X60/S=19	100 01220.120.060	M20X75	25 01220.200.075
M6X90	100 01220.060.090	M12X65/S=19	50 01220.120.065	M20X80	25 01220.200.080
M6X100	100 01220.060.100	M12X70/S=19	50 01220.120.070	M20X90	25 01220.200.090
M6X110	100 01220.060.110	M12X75/S=19	50 01220.120.075	M20X100	25 01220.200.100
M6X120	100 01220.060.120	M12X80/S=19	50 01220.120.080	M20X110	25 01220.200.110
M6X130	100 01220.060.130	M12X90/S=19	50 01220.120.090	M20X120	25 01220.200.120
M8X35	200 01220.080.035	M12X100/S=19	50 01220.120.100	M20X130	25 01220.200.130
M8X40	200 01220.080.040	M12X110/S=19	50 01220.120.110	M20X140	25 01220.200.140
M8X45	200 01220.080.045	M12X120/S=19	50 01220.120.120	M20X150	25 01220.200.150
M8X50	200 01220.080.050	M12X130/S=19	50 01220.120.130	M20X160	10 01220.200.160
M8X55	200 01220.080.055	M12X140/S=19	50 01220.120.140	M20X180	10 01220.200.180
M8X60	200 01220.080.060	M12X150/S=19	50 01220.120.150	M20X190	10 01220.200.190
M8X65	200 01220.080.065	M12X160/S=19	50 01220.120.160	M20X200	10 01220.200.200
M8X70	200 01220.080.070	M12X180/S=19	50 01220.120.180	M20X220	10 01220.200.220
M8X75	200 01220.080.075	M12X200/S=19	50 01220.120.200	M20X240	10 01220.200.240
M8X80	200 01220.080.080	M12X220/S=19	50 01220.120.220	M20X260	10 01220.200.260
M8X90	100 01220.080.090	M12X240/S=19	50 01220.120.240	M20X280	10 01220.200.280
M8X100	100 01220.080.100	M14X50/S=22	50 01220.140.050	M20X300	10 01220.200.300
M8X110	100 01220.080.110	M14X55/S=22	50 01220.140.055	M22X120/S=32	25 01220.220.120
M8X120	100 01220.080.120	M14X60/S=22	50 01220.140.060	M22X130/S=32	25 01220.220.130
M8X130	100 01220.080.130	M14X70/S=22	50 01220.140.070	M24X80	25 01220.240.080
M8X140	100 01220.080.140	M14X80/S=22	50 01220.140.080	M24X90	10 01220.240.090
M8X150	100 01220.080.150	M14X90/S=22	50 01220.140.090	M24X100	10 01220.240.100
M8X160	50 01220.080.160	M14X100/S=22	50 01220.140.100	M24X110	10 01220.240.110
M8X180	50 01220.080.180	M14X110/S=22	50 01220.140.110	M24X120	10 01220.240.120
M10X40/S=17	100 01220.100.040	M14X120/S=22	50 01220.140.120	M24X130	10 01220.240.130
M10X45/S=17	100 01220.100.045	M14X130/S=22	25 01220.140.130	M24X140	10 01220.240.140
M10X50/S=17	100 01220.100.050	M14X140/S=22	25 01220.140.140	M24X150	10 01220.240.150
M10X55/S=17	100 01220.100.055	M14X150/S=22	25 01220.140.150	M24X160	10 01220.240.160
		M14X160/S=22	25 01220.140.160		
		M14X180/S=22	25 01220.140.180		

01220 Hexagon head bolt

d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
M24X180	10	01220.240.180	M27X160	10	01220.270.160	M33X100	10	01220.330.100
M24X200	10	01220.240.200	M27X180	5	01220.270.180	M33X120	5	01220.330.120
M24X220	10	01220.240.220	M27X200	5	01220.270.200	M33X140	5	01220.330.140
M24X240	10	01220.240.240				M33X160	5	01220.330.160
M24X260	10	01220.240.260				M33X180	5	01220.330.180
M24X280	10	01220.240.280	M30X100	10	01220.300.100	M33X200	5	01220.330.200
M24X300	10	01220.240.300	M30X120	10	01220.300.120			
			M30X130	10	01220.300.130	M36X120	5	01220.360.120
M27X100	10	01220.270.100	M30X140	10	01220.300.140	M36X180	5	01220.360.180
M27X110	10	01220.270.110	M30X160	10	01220.300.160			
M27X120	10	01220.270.120	M30X180	5	01220.300.180			
M27X140	10	01220.270.140	M30X200	5	01220.300.200			

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01400 Hexagon head bolt iso-metric fitting thread
A07A

Thread Metric thread
Material Steel
Class 8.8
Surface treatment Hot dip galvanized
Packaging Standard



d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
M8X35	100	01400.080.035	M16X80	25	01400.160.080	M24X90	10	01400.240.090
M8X40	100	01400.080.040	M16X90	25	01400.160.090	M24X100	10	01400.240.100
M8X45	100	01400.080.045	M16X100	25	01400.160.100	M24X110	10	01400.240.110
M8X50	100	01400.080.050	M16X110	25	01400.160.110	M24X120	10	01400.240.120
M8X55	100	01400.080.055	M16X120	25	01400.160.120	M24X130	10	01400.240.130
M8X60	100	01400.080.060	M16X130	25	01400.160.130	M24X140	10	01400.240.140
M8X65	100	01400.080.065	M16X140	25	01400.160.140	M24X150	10	01400.240.150
M8X70	100	01400.080.070	M16X150	25	01400.160.150	M24X160	10	01400.240.160
M8X75	100	01400.080.075	M16X160	25	01400.160.160	M24X180	10	01400.240.180
M8X80	100	01400.080.080	M16X180	25	01400.160.180	M24X200	10	01400.240.200
M8X90	100	01400.080.090	M16X200	25	01400.160.200	M24X220	10	01400.240.220
M8X100	50	01400.080.100	M16X220	25	01400.160.220	M24X240	10	01400.240.240
			M16X240	25	01400.160.240	M24X260	10	01400.240.260
			M16X260	25	01400.160.260	M24X280	10	01400.240.280
M10X40/S=17	100	01400.100.040				M24X300	10	01400.240.300
M10X45/S=17	100	01400.100.045	M18X60	25	01400.180.060	M24X320	5	01400.240.320
M10X50/S=17	50	01400.100.050	M18X70	25	01400.180.070	M24X340	5	01400.240.340
M10X55/S=17	50	01400.100.055	M18X80	25	01400.180.080	M24X360	5	01400.240.360
M10X60/S=17	50	01400.100.060	M18X90	25	01400.180.090			
M10X65/S=17	50	01400.100.065	M18X100	25	01400.180.100	M27X80	10	01400.270.080
M10X70/S=17	50	01400.100.070	M18X110	25	01400.180.110	M27X90	10	01400.270.090
M10X75/S=17	50	01400.100.075	M18X120	25	01400.180.120	M27X100	10	01400.270.100
M10X80/S=17	50	01400.100.080	M18X130	25	01400.180.130	M27X110	10	01400.270.110
M10X90/S=17	50	01400.100.090	M18X140	25	01400.180.140	M27X120	10	01400.270.120
M10X100/S=17	50	01400.100.100	M18X150	25	01400.180.150	M27X130	10	01400.270.130
M10X110/S=17	50	01400.100.110				M27X140	10	01400.270.140
M10X110/S=16	50	01400.100.111	M20X65	25	01400.200.065	M27X150	10	01400.270.150
M10X120/S=17	50	01400.100.120	M20X70	25	01400.200.070	M27X160	10	01400.270.160
M10X120/S=16	50	01400.100.121	M20X75	25	01400.200.075			
M10X130/S=16	50	01400.100.131	M20X80	25	01400.200.080	M30X90	10	01400.300.090
M10X140/S=16	50	01400.100.141	M20X90	25	01400.200.090	M30X100	10	01400.300.100
M10X150/S=16	50	01400.100.151	M20X100	25	01400.200.100	M30X110	10	01400.300.110
M10X160/S=16	50	01400.100.161	M20X110	25	01400.200.110	M30X120	10	01400.300.120
M10X180/S=16	50	01400.100.181	M20X120	25	01400.200.120	M30X130	10	01400.300.130
M10X200/S=16	50	01400.100.201	M20X130	25	01400.200.130	M30X140	10	01400.300.140
			M20X140	25	01400.200.140	M30X150	10	01400.300.150
M12X45/S=19	50	01400.120.045	M20X150	25	01400.200.150	M30X160	10	01400.300.160
M12X50/S=19	50	01400.120.050	M20X160	10	01400.200.160	M30X180	10	01400.300.180
M12X55/S=19	25	01400.120.055	M20X180	10	01400.200.180	M30X200	10	01400.300.200
M12X60/S=19	25	01400.120.060	M20X200	10	01400.200.200	M30X220	5	01400.300.220
M12X65/S=19	25	01400.120.065	M20X220	10	01400.200.220	M30X240	5	01400.300.240
M12X70/S=19	25	01400.120.070	M20X240	10	01400.200.240	M30X260	5	01400.300.260
M12X75/S=19	25	01400.120.075	M20X260	10	01400.200.260			
M12X80/S=19	25	01400.120.080	M20X280	10	01400.200.280	M33X100	5	01400.330.100
M12X90/S=19	25	01400.120.090	M20X300	10	01400.200.300	M33X120	5	01400.330.120
M12X100/S=19	25	01400.120.100				M33X140	5	01400.330.140
M12X110/S=19	25	01400.120.110	M22X70/S=34	25	01400.220.071	M33X160	5	01400.330.160
M12X120/S=19	25	01400.120.120	M22X75/S=34	25	01400.220.076			
M12X130/S=19	25	01400.120.130	M22X80/S=34	25	01400.220.081	M36X110	5	01400.360.110
M12X140/S=19	25	01400.120.140	M22X90/S=34	25	01400.220.091	M36X120	5	01400.360.120
M12X150/S=19	25	01400.120.150	M22X100/S=34	10	01400.220.101	M36X140	5	01400.360.140
M12X160/S=19	25	01400.120.160	M22X110/S=34	10	01400.220.111	M36X160	2	01400.360.160
M12X180/S=19	25	01400.120.180	M22X120/S=34	10	01400.220.121	M36X180	2	01400.360.180
M12X200/S=19	25	01400.120.200	M22X130/S=34	10	01400.220.131	M36X200	2	01400.360.200
			M22X140/S=34	10	01400.220.141	M36X220	2	01400.360.220
M16X55	25	01400.160.055	M22X150/S=34	10	01400.220.151	M36X240	2	01400.360.240
M16X60	25	01400.160.060						
M16X65	25	01400.160.065	M24X75	25	01400.240.075			
M16X70	25	01400.160.070	M24X80	25	01400.240.080			
M16X75	25	01400.160.075						

- For hot dip galvanized bolts with ISO-METRIC FITTING thread, the thread is rolled undersize so that it will meet the go-gauge with tolerance class h AFTER galvanizing.
- The advantage of this way of manufacturing is that the bolts can be used in any threaded hole without any problem.

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01400 Hexagon head bolt iso-metric fitting thread

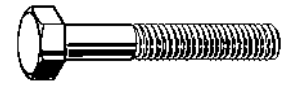
d x L	Art.number	d x L	Art.number	d x L	Art.number
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- The corresponding ISO-METRIC FITTING nuts have been threaded according to the tolerance class 6H AFTER galvanizing so that they perfectly fit onto the bolts.

01420 Hexagon head bolt oversized thread

A07A

Thread	Metric thread
Material	Steel
Class	8.8
Surface treatment	Hot dip galvanized
Packaging	Standard



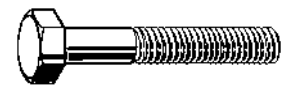
d x L	Art.number	d x L	Art.number	d x L	Art.number
M10X40/S=17	100 01420.100.040	M16X100	25 01420.160.100	M22X90/S=32	10 01420.220.090
M10X50/S=17	50 01420.100.050	M16X110	25 01420.160.110	M22X100/S=32	10 01420.220.100
		M16X120	25 01420.160.120	M22X120/S=32	10 01420.220.120
M12X45/S=19	100 01420.120.045	M16X140	25 01420.160.140	M22X140/S=32	10 01420.220.140
M12X50/S=19	100 01420.120.050	M16X150	25 01420.160.150	M22X160/S=32	10 01420.220.160
M12X55/S=19	100 01420.120.055	M16X160	25 01420.160.160	M22X180/S=32	10 01420.220.180
M12X60/S=19	100 01420.120.060	M16X180	25 01420.160.180	M22X200/S=32	10 01420.220.200
M12X65/S=19	100 01420.120.065				
M12X70/S=19	100 01420.120.070	M18X60	50 01420.180.060	M24X75	25 01420.240.075
M12X75/S=19	50 01420.120.075	M18X70	50 01420.180.070	M24X80	25 01420.240.080
M12X80/S=19	50 01420.120.080	M18X80	25 01420.180.080	M24X90	10 01420.240.090
M12X90/S=19	50 01420.120.090	M18X90	25 01420.180.090	M24X100	10 01420.240.100
M12X100/S=19	50 01420.120.100	M18X100	25 01420.180.100	M24X110	10 01420.240.110
M12X120/S=19	50 01420.120.120	M18X120	25 01420.180.120	M24X120	10 01420.240.120
M12X140/S=19	50 01420.120.140	M18X140	25 01420.180.140	M24X130	10 01420.240.130
M12X160/S=19	25 01420.120.160			M24X140	10 01420.240.140
		M20X65	25 01420.200.065	M24X150	10 01420.240.150
M14X50/S=22	50 01420.140.050	M20X70	25 01420.200.070	M24X160	10 01420.240.160
M14X60/S=22	50 01420.140.060	M20X75	25 01420.200.075	M24X180	10 01420.240.180
M14X70/S=22	50 01420.140.070	M20X80	25 01420.200.080		
M14X80/S=22	25 01420.140.080	M20X85	25 01420.200.085	M27X80	10 01420.270.080
M14X90/S=22	25 01420.140.090	M20X90	25 01420.200.090	M27X100	10 01420.270.100
M14X100/S=22	25 01420.140.100	M20X100	25 01420.200.100	M27X120	10 01420.270.120
M14X120/S=22	25 01420.140.120	M20X110	25 01420.200.110	M27X140	10 01420.270.140
M14X140/S=22	25 01420.140.140	M20X120	25 01420.200.120	M27X160	10 01420.270.160
		M20X130	25 01420.200.130		
M16X55	50 01420.160.055	M20X140	25 01420.200.140	M30X100	10 01420.300.100
M16X60	50 01420.160.060	M20X160	10 01420.200.160	M30X120	10 01420.300.120
M16X65	50 01420.160.065	M20X180	10 01420.200.180	M30X140	10 01420.300.140
M16X70	50 01420.160.070	M20X260	10 01420.200.260	M30X160	10 01420.300.160
M16X75	25 01420.160.075				
M16X80	25 01420.160.080	M22X70/S=32	25 01420.220.070		
M16X90	25 01420.160.090	M22X80/S=32	25 01420.220.080		

- For hot dip galvanized bolts with OVERSIZED thread the zinc layer is applied ON the normal thread, so AFTER galvanizing these bolts are no longer ISO-metric mating, but thicker: so called OVERSIZED.
- They do not mate the usual fit of screwthread and cannot be used in e.g. normal threaded holes.
- The corresponding OVERSIZED nuts have been tapped about 0,3 mm larger AFTER galvanizing running perfectly onto these bolts.

04100 Hexagon head bolt

C01A

Thread	Metric thread
Material	Steel
Class	10.9
Packaging	Standard



d x L	Art.number	d x L	Art.number	d x L	Art.number
M6X30	200 04100.060.030	M10X40/S=17	100 04100.100.040	M12X65/S=19	50 04100.120.065
M6X35	200 04100.060.035	M10X45/S=17	100 04100.100.045	M12X70/S=19	50 04100.120.070
M6X40	200 04100.060.040	M10X50/S=17	100 04100.100.050	M12X75/S=19	100 04100.120.075
M6X45	200 04100.060.045	M10X55/S=17	100 04100.100.055	M12X80/S=19	50 04100.120.080
M6X50	200 04100.060.050	M10X60/S=17	100 04100.100.060	M12X85/S=19	50 04100.120.085
M6X55	200 04100.060.055	M10X65/S=17	100 04100.100.065	M12X90/S=19	50 04100.120.090
M6X60	200 04100.060.060	M10X70/S=17	100 04100.100.070	M12X100/S=19	50 04100.120.100
M6X70	200 04100.060.070	M10X75/S=17	100 04100.100.075	M12X110/S=19	50 04100.120.110
M6X80	200 04100.060.080	M10X80/S=17	100 04100.100.080	M12X120/S=19	50 04100.120.120
		M10X90/S=17	100 04100.100.090	M12X130/S=19	25 04100.120.130
M8X30	200 04100.080.030	M10X100/S=17	100 04100.100.100	M12X140/S=19	25 04100.120.140
M8X35	200 04100.080.035	M10X110/S=17	50 04100.100.110	M12X150/S=19	25 04100.120.150
M8X40	200 04100.080.040	M10X120/S=17	50 04100.100.120	M12X160/S=19	25 04100.120.160
M8X45	200 04100.080.045	M10X130/S=17	50 04100.100.130	M12X180/S=19	25 04100.120.180
M8X50	200 04100.080.050	M10X140/S=17	50 04100.100.140	M12X200/S=19	25 04100.120.200
M8X60	200 04100.080.060	M10X150/S=17	50 04100.100.150	M12X220/S=19	25 04100.120.220
M8X70	200 04100.080.070	M10X160/S=17	50 04100.100.160		
M8X80	200 04100.080.080	M10X180/S=17	50 04100.100.180		
M8X90	100 04100.080.090			M14X45/S=22	50 04100.140.045
M8X100	100 04100.080.100	M12X45/S=19	100 04100.120.045	M14X50/S=22	50 04100.140.050
M8X110	100 04100.080.110	M12X50/S=19	100 04100.120.050	M14X55/S=22	50 04100.140.055
M8X120	100 04100.080.120	M12X55/S=19	100 04100.120.055	M14X60/S=22	50 04100.140.060
		M12X60/S=19	100 04100.120.060	M14X65/S=22	50 04100.140.065
				M14X70/S=22	50 04100.140.070

04100 Hexagon head bolt

d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
M14X75/S=22	50	04100.140.075	M20X150	25	04100.200.150	M30X130	10	04100.300.130
M14X80/S=22	50	04100.140.080	M20X160	10	04100.200.160	M30X140	10	04100.300.140
M14X85/S=22	50	04100.140.085	M20X170	10	04100.200.170	M30X150	10	04100.300.150
M14X90/S=22	50	04100.140.090	M20X180	10	04100.200.180	M30X160	10	04100.300.160
M14X100/S=22	50	04100.140.100	M20X190	10	04100.200.190	M30X170	5	04100.300.170
M14X120/S=22	50	04100.140.120	M20X200	10	04100.200.200	M30X180	5	04100.300.180
M14X130/S=22	50	04100.140.130	M20X220	10	04100.200.220	M30X200	5	04100.300.200
M14X140/S=22	50	04100.140.140	M20X230	10	04100.200.230	M30X220	5	04100.300.220
M14X150/S=22	25	04100.140.150	M20X240	10	04100.200.240	M30X240	5	04100.300.240
M14X160/S=22	25	04100.140.160	M20X260	10	04100.200.260	M30X260	5	04100.300.260
M16X55	50	04100.160.055	M22X70/S=32	10	04100.220.070	M30X280	5	04100.300.280
M16X60	50	04100.160.060	M22X75/S=32	10	04100.220.075	M30X300	5	04100.300.300
M16X65	25	04100.160.065	M22X80/S=32	10	04100.220.080	M33X100	5	04100.330.100
M16X70	25	04100.160.070	M22X90/S=32	10	04100.220.090	M33X110	5	04100.330.110
M16X75	25	04100.160.075	M22X100/S=32	10	04100.220.100	M33X120	5	04100.330.120
M16X80	25	04100.160.080	M22X110/S=32	10	04100.220.110	M33X130	5	04100.330.130
M16X90	25	04100.160.090	M22X120/S=32	10	04100.220.120	M33X140	5	04100.330.140
M16X95	25	04100.160.095	M22X130/S=32	10	04100.220.130	M33X150	5	04100.330.150
M16X100	25	04100.160.100	M24X75	25	04100.240.075	M33X160	5	04100.330.160
M16X110	25	04100.160.110	M24X80	25	04100.240.080	M33X180	2	04100.330.180
M16X120	25	04100.160.120	M24X90	10	04100.240.090	M33X200	2	04100.330.200
M16X130	25	04100.160.130	M24X100	10	04100.240.100	M33X240	2	04100.330.240
M16X140	25	04100.160.140	M24X110	10	04100.240.110	M36X100	5	04100.360.100
M16X150	25	04100.160.150	M24X120	10	04100.240.120	M36X110	5	04100.360.110
M16X160	25	04100.160.160	M24X130	10	04100.240.130	M36X120	5	04100.360.120
M16X170	25	04100.160.170	M24X140	10	04100.240.140	M36X130	5	04100.360.130
M16X180	25	04100.160.180	M24X150	10	04100.240.150	M36X140	5	04100.360.140
M16X190	25	04100.160.190	M24X160	10	04100.240.160	M36X150	5	04100.360.150
M16X200	25	04100.160.200	M24X170	10	04100.240.170	M36X160	5	04100.360.160
M16X220	25	04100.160.220	M24X180	10	04100.240.180	M36X180	2	04100.360.180
M16X240	10	04100.160.240	M24X200	10	04100.240.200	M36X200	2	04100.360.200
M16X250	10	04100.160.250	M24X220	10	04100.240.220	M36X220	2	04100.360.220
M18X60	25	04100.180.060	M24X240	10	04100.240.240	M36X240	2	04100.360.240
M18X65	25	04100.180.065	M24X260	10	04100.240.260	M36X260	2	04100.360.260
M18X70	25	04100.180.070	M24X280	10	04100.240.280	M39X120	1	04100.390.120
M18X80	25	04100.180.080	M27X80	10	04100.270.080	M39X140	1	04100.390.140
M18X85	100	04100.180.085	M27X90	10	04100.270.090	M39X150	5	04100.390.150
M18X90	25	04100.180.090	M27X100	10	04100.270.100	M39X160	1	04100.390.160
M18X100	25	04100.180.100	M27X110	10	04100.270.110	M39X180	1	04100.390.180
M18X110	25	04100.180.110	M27X120	10	04100.270.120	M39X200	1	04100.390.200
M18X120	25	04100.180.120	M27X130	10	04100.270.130	M42X160	1	04100.420.160
M20X65	25	04100.200.065	M27X140	10	04100.270.140	M42X180	1	04100.420.180
M20X70	25	04100.200.070	M27X150	10	04100.270.150	M42X200	1	04100.420.200
M20X75	25	04100.200.075	M27X160	10	04100.270.160	M42X220	1	04100.420.220
M20X80	25	04100.200.080	M27X170	5	04100.270.170	M42X240	1	04100.420.240
M20X85	25	04100.200.085	M27X180	5	04100.270.180	M45X160	1	04100.450.160
M20X90	25	04100.200.090	M27X190	5	04100.270.190	M45X200	1	04100.450.200
M20X95	25	04100.200.095	M27X200	5	04100.270.200	M45X220	1	04100.450.220
M20X100	25	04100.200.100	M30X90	10	04100.300.090	M45X240	1	04100.450.240
M20X110	25	04100.200.110	M30X100	10	04100.300.100			
M20X120	25	04100.200.120	M30X110	10	04100.300.110			
M20X130	25	04100.200.130	M30X120	10	04100.300.120			
M20X140	25	04100.200.140						

• Warning: electro-galvanizing of these products may cause hydrogen embrittlement.

04105 Hexagon head bolt			C95A		
Thread	Metric thread				
Material	Steel				
Class	10.9				
Surface treatment	Zinc flake Cr6+ free - ISO 10683 flZnnc				
Packaging	Standard				



d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
M6X30	200	04105.060.030	M10X70	100	04105.100.070	M14X90	50	04105.140.090
M6X35	200	04105.060.035	M10X80	100	04105.100.080	M14X100	50	04105.140.100
M6X40	200	04105.060.040	M10X90	100	04105.100.090	M16X55	50	04105.160.055
M6X50	200	04105.060.050	M10X100	100	04105.100.100	M16X60	50	04105.160.060
M6X60	200	04105.060.060	M10X110	50	04105.100.110	M16X65	25	04105.160.065
M6X70	200	04105.060.070	M10X120	50	04105.100.120	M16X70	25	04105.160.070
M6X80	200	04105.060.080	M12X45	100	04105.120.045	M16X80	25	04105.160.080
M8X35	200	04105.080.035	M12X50	100	04105.120.050	M16X90	25	04105.160.090
M8X40	200	04105.080.040	M12X60	100	04105.120.060	M16X100	25	04105.160.100
M8X45	200	04105.080.045	M12X70	50	04105.120.070	M16X120	25	04105.160.120
M8X50	200	04105.080.050	M12X80	50	04105.120.080	M16X130	25	04105.160.130
M8X60	200	04105.080.060	M12X90	50	04105.120.090	M16X140	25	04105.160.140
M8X70	200	04105.080.070	M12X100	50	04105.120.100	M16X150	10	04105.160.150
M10X40	100	04105.100.040	M12X120	50	04105.120.120	M16X160	10	04105.160.160
M10X45	100	04105.100.045	M14X50	50	04105.140.050	M20X70	25	04105.200.070
M10X50	100	04105.100.050	M14X60	50	04105.140.060	M20X80	25	04105.200.080
M10X60	100	04105.100.060	M14X80	50	04105.140.080	M20X90	25	04105.200.090

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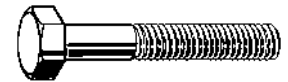
04105 Hexagon head bolt ←

d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
M20X100	25	04105.200.100	M24X80	25	04105.240.080	M24X180	10	04105.240.180
M20X120	25	04105.200.120	M24X90	10	04105.240.090	M24X200	10	04105.240.200
M20X140	25	04105.200.140	M24X100	10	04105.240.100			
M20X160	10	04105.200.160	M24X120	10	04105.240.120			
M20X200	10	04105.200.200	M24X140	10	04105.240.140			
			M24X160	10	04105.240.160			

• Technical brochure available on request.

01226 Hexagon head bolt A96A

Thread	Metric thread
Material	Steel
Class	8.8
Surface treatment	Zinc flake Cr6+ free - ISO 10683 flZnnc
Packaging	Standard

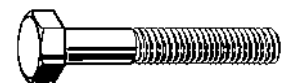


d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
M6X30	200	01226.060.030	M12X55/S=19	100	01226.120.055	M18X80	25	01226.180.080
M6X35	200	01226.060.035	M12X60/S=19	100	01226.120.060	M18X90	25	01226.180.090
M6X40	200	01226.060.040	M12X65/S=19	50	01226.120.065	M20X65	25	01226.200.065
M6X45	200	01226.060.045	M12X70/S=19	50	01226.120.070	M20X70	25	01226.200.070
M6X50	200	01226.060.050	M12X80/S=19	50	01226.120.080	M20X75	25	01226.200.075
M6X60	200	01226.060.060	M12X90/S=19	50	01226.120.090	M20X80	25	01226.200.080
			M12X100/S=19	50	01226.120.100	M20X85	25	01226.200.085
M8X35	200	01226.080.035	M12X110/S=19	50	01226.120.110	M20X90	25	01226.200.090
M8X40	200	01226.080.040	M12X120/S=19	50	01226.120.120	M20X100	25	01226.200.100
M8X45	200	01226.080.045	M12X140/S=19	50	01226.120.140	M20X110	25	01226.200.110
M8X50	200	01226.080.050	M12X150/S=19	50	01226.120.150	M20X120	25	01226.200.120
M8X55	200	01226.080.055	M12X170/S=19	25	01226.120.170	M20X130	25	01226.200.130
M8X60	200	01226.080.060				M20X140	25	01226.200.140
M8X70	200	01226.080.070	M16X55	50	01226.160.055	M20X150	25	01226.200.150
M8X80	200	01226.080.080	M16X60	50	01226.160.060	M20X160	10	01226.200.160
M8X90	100	01226.080.090	M16X65	25	01226.160.065	M20X180	10	01226.200.180
M8X110	100	01226.080.110	M16X70	25	01226.160.070	M20X200	10	01226.200.200
			M16X75	25	01226.160.075			
M10X40/S=17	100	01226.100.040	M16X80	25	01226.160.080	M24X70	25	01226.240.070
M10X45/S=17	100	01226.100.045	M16X90	25	01226.160.090	M24X80	25	01226.240.080
M10X50/S=17	100	01226.100.050	M16X100	25	01226.160.100	M24X90	10	01226.240.090
M10X60/S=17	100	01226.100.060	M16X110	25	01226.160.110	M24X100	10	01226.240.100
M10X70/S=17	100	01226.100.070	M16X120	25	01226.160.120	M24X110	10	01226.240.110
M10X80/S=17	100	01226.100.080	M16X130	25	01226.160.130	M24X130	10	01226.240.130
M10X90/S=17	100	01226.100.090	M16X140	25	01226.160.140	M24X140	10	01226.240.140
M10X100/S=17	100	01226.100.100	M16X150	25	01226.160.150	M24X160	10	01226.240.160
M10X120/S=17	50	01226.100.120	M16X160	25	01226.160.160	M24X180	10	01226.240.180
			M16X180	25	01226.160.180	M24X200	10	01226.240.200
M12X45/S=19	100	01226.120.045						
M12X50/S=19	100	01226.120.050	M18X60	25	01226.180.060			

• A ISO 10683 Zinc Flake surface coating eliminates the possibilities of damage which can arise due to hydrogen embrittlement.

04108 Hexagon head bolt C01A

Thread	Metric thread
Material	Steel
Class	12.9
Packaging	Standard



d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
M6X30	200	04108.060.030	M12X60/S=19	100	04108.120.060	M16X120	25	04108.160.120
M6X40	200	04108.060.040	M12X70/S=19	50	04108.120.070	M16X130	25	04108.160.130
M6X50	200	04108.060.050	M12X80/S=19	50	04108.120.080	M16X140	25	04108.160.140
M6X60	200	04108.060.060	M12X90/S=19	50	04108.120.090	M16X160	25	04108.160.160
			M12X100/S=19	50	04108.120.100	M20X70	25	04108.200.070
M8X40	200	04108.080.040	M12X110/S=19	50	04108.120.110	M20X80	25	04108.200.080
M8X50	200	04108.080.050	M12X120/S=19	50	04108.120.120	M20X90	25	04108.200.090
M8X60	200	04108.080.060				M20X100	25	04108.200.100
M8X80	200	04108.080.080	M14X50/S=22	50	04108.140.050	M20X110	25	04108.200.110
M8X100	100	04108.080.100	M14X60/S=22	50	04108.140.060	M20X140	25	04108.200.140
			M14X70/S=22	50	04108.140.070	M20X160	10	04108.200.160
M10X40/S=17	100	04108.100.040	M14X80/S=22	50	04108.140.080			
M10X45/S=17	100	04108.100.045	M14X90/S=22	50	04108.140.090	M24X80	25	04108.240.080
M10X50/S=17	100	04108.100.050	M14X100/S=22	50	04108.140.100	M24X90	10	04108.240.090
M10X60/S=17	100	04108.100.060	M14X120/S=22	50	04108.140.120	M24X100	10	04108.240.100
M10X70/S=17	100	04108.100.070						
M10X80/S=17	100	04108.100.080	M16X60	50	04108.160.060	M30X90	10	04108.300.090
M10X100/S=17	100	04108.100.100	M16X70	25	04108.160.070	M30X100	10	04108.300.100
M10X120/S=17	50	04108.100.120	M16X80	25	04108.160.080	M30X110	10	04108.300.110
			M16X90	25	04108.160.090	M30X120	10	04108.300.120
M12X45/S=19	100	04108.120.045	M16X100	25	04108.160.100			
M12X50/S=19	100	04108.120.050	M16X110	25	04108.160.110			

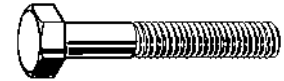
04108 Hexagon head bolt

d x L	Art.number	d x L	Art.number	d x L	Art.number
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- Warning: electro-galvanizing of these products may cause hydrogen embrittlement.

08750 Hexagon head bolt for pressure vessels etc.
E11A

Thread	Metric thread
Material	Steel
Class	5.6
Packaging	Standard

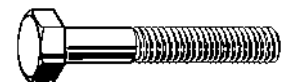


d x L	Art.number	d x L	Art.number	d x L	Art.number
M12X50/S=18	100 08750.120.051	M16X160	25 08750.160.160	M24X110	25 08750.240.110
M12X55/S=18	100 08750.120.056	M16X180	25 08750.160.180	M24X120	25 08750.240.120
M12X60/S=18	100 08750.120.061			M24X150	10 08750.240.150
M12X65/S=18	50 08750.120.066	M20X75	25 08750.200.075	M24X160	10 08750.240.160
M12X70/S=18	50 08750.120.071	M20X80	25 08750.200.080	M24X180	10 08750.240.180
M12X80/S=18	50 08750.120.081	M20X90	25 08750.200.090	M24X200	10 08750.240.200
		M20X100	25 08750.200.100	M24X220	10 08750.240.220
M16X60	50 08750.160.060	M20X110	25 08750.200.110		
M16X65	25 08750.160.065	M20X120	25 08750.200.120	M27X90	10 08750.270.090
M16X70	25 08750.160.070	M20X130	25 08750.200.130	M27X100	10 08750.270.100
M16X75	25 08750.160.075	M20X140	25 08750.200.140	M27X110	10 08750.270.110
M16X80	25 08750.160.080	M20X150	25 08750.200.150	M27X120	10 08750.270.120
M16X90	25 08750.160.090	M20X160	10 08750.200.160	M27X130	10 08750.270.130
M16X100	25 08750.160.100	M20X180	10 08750.200.180	M27X240	5 08750.270.240
M16X110	25 08750.160.110				
M16X120	25 08750.160.120	M24X90	25 08750.240.090		
M16X140	25 08750.160.140	M24X100	25 08750.240.100	M30X120	10 08750.300.120

- Special features hexagon head bolts for pressure vessels etc.:
- Are intended for use in pressure vessels, steam apparatus, equipment and flanged joints at temperatures from -10°C up to +300°C, overpressures max. 40 bar and sizes up to and including M30.
- Meets the requirements of AD-Merkblatt W7, TRD 106 of the TÜV (Technischer Überwachungsverein) and DIN 267-13.
- According to TÜV-Merkblatt Werkstoffe 1253, the manufacturer has been certified to deliver these bolts without a 3.1 certificate, the trade-mark and class designation are sufficient.
- This certification is also accepted by the Dutch "STOOMWEZEN BV" and meets the requirements M0802.

51000 Hexagon head bolt
Q01A

Thread	Metric thread
Material	Stainless steel A2
Class	70
Packaging	Standard



d x L	Art.number	d x L	Art.number	d x L	Art.number
M5X25 *	200 51000.050.025	M6X180	50 51000.060.180	M10X65/S=17	50 51000.100.065
M5X30	100 51000.050.030			M10X70/S=17	50 51000.100.070
M5X35	100 51000.050.035	M8X30	200 51000.080.030	M10X75/S=17	50 51000.100.075
M5X40	100 51000.050.040	M8X35	100 51000.080.035	M10X80/S=17	50 51000.100.080
M5X45	100 51000.050.045	M8X40	100 51000.080.040	M10X85/S=17 *	50 51000.100.085
M5X50	100 51000.050.050	M8X45	100 51000.080.045	M10X90/S=17	50 51000.100.090
M5X55	100 51000.050.055	M8X50	100 51000.080.050	M10X100/S=17	50 51000.100.100
M5X60	100 51000.050.060	M8X55	100 51000.080.055	M10X110/S=17	50 51000.100.110
M5X65 *	200 51000.050.065	M8X60	100 51000.080.060	M10X120/S=17	25 51000.100.120
M5X70 *	100 51000.050.070	M8X65	100 51000.080.065	M10X130/S=17	25 51000.100.130
M5X75 *	100 51000.050.075	M8X70	100 51000.080.070	M10X140/S=17	25 51000.100.140
M5X80 *	100 51000.050.080	M8X75	100 51000.080.075	M10X150/S=17	25 51000.100.150
M5X90 *	100 51000.050.090	M8X80	100 51000.080.080	M10X160/S=17	25 51000.100.160
M5X100 *	100 51000.050.100	M8X85 *	50 51000.080.085	M10X170/S=17	25 51000.100.170
		M8X90	100 51000.080.090	M10X180/S=17	25 51000.100.180
M6X25 *	200 51000.060.025	M8X95 *	50 51000.080.095	M10X190/S=17	25 51000.100.190
M6X30	200 51000.060.030	M8X100	100 51000.080.100	M10X200/S=17	10 51000.100.200
M6X35	100 51000.060.035	M8X110	50 51000.080.110	M10X210/S=17 *	10 51000.100.210
M6X40	100 51000.060.040	M8X120	50 51000.080.120	M10X220/S=17 *	10 51000.100.220
M6X45	100 51000.060.045	M8X130	50 51000.080.130	M10X240/S=17 *	10 51000.100.240
M6X50	100 51000.060.050	M8X140	50 51000.080.140	M10X260 *	10 51000.100.260
M6X55	100 51000.060.055	M8X150	50 51000.080.150	M10X280/S=17 *	10 51000.100.280
M6X60	100 51000.060.060	M8X160	25 51000.080.160	M10X300 *	10 51000.100.300
M6X65	100 51000.060.065	M8X170	25 51000.080.170	M10X340 *	10 51000.100.340
M6X70	100 51000.060.070	M8X180	25 51000.080.180	M10X380 *	10 51000.100.380
M6X75 *	100 51000.060.075	M8X190	25 51000.080.190	M10X400 *	10 51000.100.400
M6X80	100 51000.060.080	M8X200	10 51000.080.200	M10X420 *	10 51000.100.420
M6X85 *	100 51000.060.085	M8X210 *	25 51000.080.210	M10X440 *	10 51000.100.440
M6X90	100 51000.060.090	M8X220 *	25 51000.080.220	M10X480 *	10 51000.100.480
M6X100	100 51000.060.100	M8X240 *	25 51000.080.240		
M6X110	50 51000.060.110			M12X45/S=19	50 51000.120.045
M6X120	50 51000.060.120	M10X40/S=17	100 51000.100.040	M12X50/S=19	50 51000.120.050
M6X130	50 51000.060.130	M10X45/S=17	100 51000.100.045	M12X55/S=19	50 51000.120.055
M6X140	50 51000.060.140	M10X50/S=17	100 51000.100.050	M12X60/S=19	50 51000.120.060
M6X150	50 51000.060.150	M10X55/S=17	100 51000.100.055	M12X65/S=19	50 51000.120.065
M6X170 *	100 51000.060.170	M10X60/S=17	100 51000.100.060	M12X70/S=19	50 51000.120.070

51000 Hexagon head bolt

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d x L	Art.number	d x L	Art.number	d x L	Art.number			
M12X75/S=19	50	51000.120.075		M24X220	5	51000.240.220		
M12X80/S=19	50	51000.120.080		M24X230 *	5	51000.240.230		
M12X85/S=19 *	25	51000.120.085	M18X65	25	51000.180.065	M24X240	5	51000.240.240
M12X90/S=19	50	51000.120.090	M18X70	25	51000.180.070	M24X250 *	5	51000.240.250
M12X100/S=19	50	51000.120.100	M18X75 *	25	51000.180.075	M24X260	5	51000.240.260
M12X110/S=19	25	51000.120.110	M18X80	10	51000.180.080	M24X270 *	5	51000.240.270
M12X120/S=19	25	51000.120.120	M18X90	10	51000.180.090	M24X280 *	5	51000.240.280
M12X130/S=19	25	51000.120.130	M18X100	10	51000.180.100	M24X300 *	5	51000.240.300
M12X140/S=19	25	51000.120.140	M18X110	10	51000.180.110	M24X320 *	5	51000.240.320
M12X150/S=19	25	51000.120.150	M18X120	10	51000.180.120	M24X340 *	5	51000.240.340
M12X160/S=19	25	51000.120.160	M18X130	10	51000.180.130	M24X360 *	5	51000.240.360
M12X170/S=19	25	51000.120.170	M18X140	10	51000.180.140	M24X380 *	5	51000.240.380
M12X180/S=19	25	51000.120.180	M18X150	10	51000.180.150	M24X400 *	5	51000.240.400
M12X190/S=19	25	51000.120.190	M18X170 *	25	51000.180.170	M24X420 *	5	51000.240.420
M12X200/S=19	10	51000.120.200	M18X180 *	25	51000.180.180	M24X440 *	5	51000.240.440
M12X210/S=19 *	10	51000.120.210	M18X200	5	51000.180.200	M24X460 *	5	51000.240.460
M12X220/S=19 *	10	51000.120.220				M24X480 *	5	51000.240.480
M12X230 *	10	51000.120.230	M20X65	25	51000.200.065	M24X500 *	5	51000.240.500
M12X240/S=19 *	10	51000.120.240	M20X70	25	51000.200.070	M24X520 *	5	51000.240.520
M12X250 *	10	51000.120.250	M20X75	10	51000.200.075	M24X540 *	5	51000.240.540
M12X260/S=19 *	10	51000.120.260	M20X80	25	51000.200.080	M24X560 *	5	51000.240.560
M12X280/S=19 *	10	51000.120.280	M20X85	25	51000.200.085			
M12X300 *	10	51000.120.300	M20X90	25	51000.200.090	M27X90	3	51000.270.090
M12X320 *	10	51000.120.320	M20X95 *	25	51000.200.095	M27X100	3	51000.270.100
M12X340 *	10	51000.120.340	M20X100	25	51000.200.100	M27X110	3	51000.270.110
M12X360 *	10	51000.120.360	M20X105 *	25	51000.200.105	M27X120	3	51000.270.120
M12X380 *	10	51000.120.380	M20X110	25	51000.200.110	M27X130	3	51000.270.130
M12X400/S=19 *	10	51000.120.400	M20X120	10	51000.200.120	M27X140	3	51000.270.140
M12X420 *	10	51000.120.420	M20X130	10	51000.200.130	M27X150	3	51000.270.150
M12X440 *	10	51000.120.440	M20X140	10	51000.200.140	M27X160	3	51000.270.160
M12X460 *	10	51000.120.460	M20X150	10	51000.200.150	M27X170 *	5	51000.270.170
M12X480 *	10	51000.120.480	M20X160	10	51000.200.160	M27X180	3	51000.270.180
M12X500 *	10	51000.120.500	M20X170 *	10	51000.200.170	M27X190 *	5	51000.270.190
			M20X180	10	51000.200.180	M27X200	3	51000.270.200
M14X50/S=22	50	51000.140.050	M20X190 *	10	51000.200.190	M27X210 *	5	51000.270.210
M14X55/S=22	50	51000.140.055	M20X200	5	51000.200.200	M27X220	3	51000.270.220
M14X60/S=22	50	51000.140.060	M20X210 *	10	51000.200.210	M27X230 *	5	51000.270.230
M14X70/S=22	50	51000.140.070	M20X220	5	51000.200.220	M27X240	3	51000.270.240
M14X80/S=22	10	51000.140.080	M20X230	5	51000.200.230	M27X250	3	51000.270.250
M14X90/S=22	10	51000.140.090	M20X240	5	51000.200.240			
M14X100/S=22	10	51000.140.100	M20X250 *	10	51000.200.250	M30X80	1	51000.300.080
M14X120/S=22	10	51000.140.120	M20X260 *	5	51000.200.260	M30X90	1	51000.300.090
M14X130/S=22	10	51000.140.130	M20X270 *	10	51000.200.270	M30X100	1	51000.300.100
M14X140/S=22	10	51000.140.140	M20X280 *	10	51000.200.280	M30X110	1	51000.300.110
M14X150/S=22	10	51000.140.150	M20X290 *	10	51000.200.290	M30X120	1	51000.300.120
M14X160/S=22	10	51000.140.160	M20X300 *	5	51000.200.300	M30X130	1	51000.300.130
M14X170/S=22 *	10	51000.140.170	M20X320 *	5	51000.200.320	M30X140	1	51000.300.140
M14X180/S=22	10	51000.140.180	M20X340 *	5	51000.200.340	M30X150	1	51000.300.150
M14X190/S=22 *	10	51000.140.190	M20X360 *	5	51000.200.360	M30X160	1	51000.300.160
M14X200/S=22	10	51000.140.200	M20X380 *	5	51000.200.380	M30X170	1	51000.300.170
			M20X400 *	5	51000.200.400	M30X180	1	51000.300.180
M16X55	50	51000.160.055	M20X420 *	5	51000.200.420	M30X190	1	51000.300.190
M16X60	25	51000.160.060	M20X440 *	5	51000.200.440	M30X200	1	51000.300.200
M16X65	25	51000.160.065	M20X460 *	5	51000.200.460	M30X210 *	5	51000.300.210
M16X70	25	51000.160.070	M20X480 *	5	51000.200.480	M30X220	1	51000.300.220
M16X75	25	51000.160.075	M20X500 *	5	51000.200.500	M30X230 *	5	51000.300.230
M16X80	25	51000.160.080	M50X520 *	5	51000.200.520	M30X240	1	51000.300.240
M16X85	25	51000.160.085	M20X540 *	5	51000.200.540	M30X260	1	51000.300.260
M16X90	25	51000.160.090	M20X560 *	5	51000.200.560			
M16X95 *	25	51000.160.095	M20X580 *	5	51000.200.580	M33X90	1	51000.330.090
M16X100	25	51000.160.100				M33X100	1	51000.330.100
M16X110	25	51000.160.110	M22X80/S=32	10	51000.220.080	M33X110	1	51000.330.110
M16X120	10	51000.160.120	M22X90/S=32	10	51000.220.090	M33X120	1	51000.330.120
M16X130	10	51000.160.130	M22X100/S=32	10	51000.220.100	M33X130	1	51000.330.130
M16X140	10	51000.160.140	M22X110/S=32	5	51000.220.110	M33X140	1	51000.330.140
M16X150	10	51000.160.150	M22X120/S=32	5	51000.220.120	M33X150	1	51000.330.150
M16X160	10	51000.160.160	M22X130/S=32 *	20	51000.220.130	M33X160	1	51000.330.160
M16X170	10	51000.160.170	M22X140/S=32	5	51000.220.140	M33X170	1	51000.330.170
M16X180	5	51000.160.180	M22X150/S=32	5	51000.220.150	M33X180	1	51000.330.180
M16X190	5	51000.160.190	M22X160/S=32 *	10	51000.220.160	M33X190	1	51000.330.190
M16X200	5	51000.160.200	M22X180/S=32	5	51000.220.180	M33X200	1	51000.330.200
M16X210	5	51000.160.210	M22X200/S=32 *	10	51000.220.200	M33X210 *	5	51000.330.210
M16X220	5	51000.160.220				M33X220	1	51000.330.220
M16X230	5	51000.160.230	M24X65 *	10	51000.240.065	M33X230 *	5	51000.330.230
M16X240	5	51000.160.240	M24X70 *	10	51000.240.070	M33X240	1	51000.330.240
M16X250	5	51000.160.250	M24X80	5	51000.240.080			
M16X260	5	51000.160.260	M24X85 *	10	51000.240.085	M36X100	1	51000.360.100
M16X270 *	10	51000.160.270	M24X90	5	51000.240.090	M36X110	1	51000.360.110
M16X280	5	51000.160.280	M24X95 *	10	51000.240.095	M36X120	1	51000.360.120
M16X290 *	10	51000.160.290	M24X100	5	51000.240.100	M36X130	1	51000.360.130
M16X300 *	10	51000.160.300	M24X110	5	51000.240.110	M36X140	1	51000.360.140
M16X320 *	10	51000.160.320	M24X120	5	51000.240.120	M36X150	1	51000.360.150
M16X340 *	10	51000.160.340	M24X130	5	51000.240.130	M36X160	1	51000.360.160
M16X360 *	10	51000.160.360	M24X140	5	51000.240.140	M36X170	1	51000.360.170
M16X380 *	10	51000.160.380	M24X150	5	51000.240.150	M36X180	1	51000.360.180
M16X400 *	10	51000.160.400	M24X160	5	51000.240.160	M36X190	1	51000.360.190
M16X420 *	10	51000.160.420	M24X180	5	51000.240.180	M36X200	1	51000.360.200
M16X440 *	10	51000.160.440	M24X190 *	10	51000.240.190	M36X210 *	5	51000.360.210
M16X480 *	10	51000.160.480	M24X200	5	51000.240.200	M36X220	1	51000.360.220
M16X500 *	10	51000.160.500	M24X210 *	5	51000.240.210	M36X230 *	5	51000.360.230
M16X520 *	10	51000.160.520						

51000 Hexagon head bolt								
d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
M36X240	1	51000.360.240	M36X260	1	51000.360.260	M42X130 *	5	51000.420.130
M36X250 *	5	51000.360.250				M45X150 *	5	51000.450.150

• Sizes with a diameter > M24 and sizes with a length > 8xd are minimal property class 50.

55000 Hexagon head bolt		Q41A
Thread	Metric thread	
Material	Stainless steel A4	
Class	70	
Packaging	Standard	

d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
M5X30	100	55000.050.030	M10X80/S=17	50	55000.100.080	M16X90	25	55000.160.090
M5X35	100	55000.050.035	M10X85/S=17 *	50	55000.100.085	M16X100	25	55000.160.100
M5X40	100	55000.050.040	M10X90/S=17	50	55000.100.090	M16X110	25	55000.160.110
M5X45	100	55000.050.045	M10X95/S=17 *	50	55000.100.095	M16X120	10	55000.160.120
M5X50	100	55000.050.050	M10X100/S=17	50	55000.100.100	M16X130	10	55000.160.130
M5X55	100	55000.050.055	M10X110/S=17	50	55000.100.110	M16X140	10	55000.160.140
M5X60 *	200	55000.050.060	M10X120/S=17	25	55000.100.120	M16X150	10	55000.160.150
M5X65 *	200	55000.050.065	M10X130/S=17	25	55000.100.130	M16X160	10	55000.160.160
M5X70 *	100	55000.050.070	M10X140/S=17	25	55000.100.140	M16X170 *	10	55000.160.170
M5X75 *	100	55000.050.075	M10X150/S=17	25	55000.100.150	M16X180	5	55000.160.180
M5X80 *	100	55000.050.080	M10X160/S=17	25	55000.100.160	M16X190 *	10	55000.160.190
M5X90 *	100	55000.050.090	M10X170/S=17	25	55000.100.170	M16X200	5	55000.160.200
M5X100 *	100	55000.050.100	M10X180/S=17	25	55000.100.180	M16X210 *	10	55000.160.210
			M10X190/S=17	25	55000.100.190	M16X220	5	55000.160.220
			M10X200/S=17	10	55000.100.200	M16X230 *	10	55000.160.230
M6X25 *	200	55000.060.025	M10X210/S=17 *	10	55000.100.210	M16X240	5	55000.160.240
M6X30	200	55000.060.030	M10X220/S=17	10	55000.100.220	M16X250 *	10	55000.160.250
M6X35	100	55000.060.035				M16X260	5	55000.160.260
M6X40	100	55000.060.040	M12X40/S=19 *	50	55000.120.040	M16X270 *	10	55000.160.270
M6X45	100	55000.060.045	M12X45/S=19	50	55000.120.045	M16X280	5	55000.160.280
M6X50	100	55000.060.050	M12X50/S=19	50	55000.120.050	M16X290 *	10	55000.160.290
M6X55	100	55000.060.055	M12X55/S=19	50	55000.120.055	M16X300	5	55000.160.300
M6X60	100	55000.060.060	M12X60/S=19	50	55000.120.060			
M6X65	100	55000.060.065	M12X65/S=19	50	55000.120.065	M18X60 *	25	55000.180.060
M6X70	100	55000.060.070	M12X70/S=19	50	55000.120.070	M18X65	25	55000.180.065
M6X75 *	100	55000.060.075	M12X75/S=19	50	55000.120.075	M18X70	25	55000.180.070
M6X80	100	55000.060.080	M12X80/S=19	50	55000.120.080	M18X75 *	25	55000.180.075
M6X90	100	55000.060.090	M12X85/S=19 *	25	55000.120.085	M18X80	10	55000.180.080
M6X100	100	55000.060.100	M12X90/S=19	50	55000.120.090	M18X90	10	55000.180.090
M6X110	50	55000.060.110	M12X95/S=19 *	25	55000.120.095	M18X100	10	55000.180.100
M6X120	50	55000.060.120	M12X100/S=19	50	55000.120.100	M18X110	10	55000.180.110
M6X130	50	55000.060.130	M12X110/S=19	25	55000.120.110	M18X120	10	55000.180.120
M6X140	50	55000.060.140	M12X120/S=19	25	55000.120.120	M18X130 *	25	55000.180.130
M6X150	50	55000.060.150	M12X130/S=19	25	55000.120.130	M18X140 *	25	55000.180.140
M6X160	50	55000.060.160	M12X140/S=19	25	55000.120.140	M18X150	10	55000.180.150
M6X170	50	55000.060.170	M12X150/S=19	25	55000.120.150	M18X160 *	25	55000.180.160
M6X180	50	55000.060.180	M12X160/S=19	25	55000.120.160	M18X180 *	25	55000.180.180
			M12X170/S=19	25	55000.120.170	M18X200 *	25	55000.180.200
M8X30 *	100	55000.080.030	M12X180/S=19	25	55000.120.180			
M8X35	100	55000.080.035	M12X190/S=19	25	55000.120.190	M20X60 *	25	55000.200.060
M8X40	100	55000.080.040	M12X200/S=19	10	55000.120.200	M20X65	25	55000.200.065
M8X45	100	55000.080.045	M12X210/S=19	10	55000.120.210	M20X70	25	55000.200.070
M8X50	100	55000.080.050	M12X220/S=19	10	55000.120.220	M20X75	25	55000.200.075
M8X55	100	55000.080.055	M12X230/S=19 *	10	55000.120.230	M20X80	25	55000.200.080
M8X60	100	55000.080.060	M12X240/S=19	10	55000.120.240	M20X85 *	25	55000.200.085
M8X65	100	55000.080.065	M12X250/S=19 *	10	55000.120.250	M20X90	25	55000.200.090
M8X70	100	55000.080.070	M12X260/S=19 *	10	55000.120.260	M20X100	25	55000.200.100
M8X75	100	55000.080.075	M12X280/S=19 *	10	55000.120.280	M20X110	25	55000.200.110
M8X80	100	55000.080.080	M12X300/S=19 *	10	55000.120.300	M20X120	10	55000.200.120
M8X85 *	50	55000.080.085				M20X130	10	55000.200.130
M8X90	100	55000.080.090	M14X55/S=22 *	50	55000.140.055	M20X140	10	55000.200.140
M8X100	100	55000.080.100	M14X60/S=22	50	55000.140.060	M20X150	10	55000.200.150
M8X110	50	55000.080.110	M14X65/S=22 *	25	55000.140.065	M20X160	10	55000.200.160
M8X120	50	55000.080.120	M14X70/S=22	50	55000.140.070	M20X180	10	55000.200.180
M8X130	50	55000.080.130	M14X75/S=22 *	50	55000.140.075	M20X190 *	10	55000.200.190
M8X140	50	55000.080.140	M14X80/S=22	10	55000.140.080	M20X200	5	55000.200.200
M8X150	50	55000.080.150	M14X90/S=22	10	55000.140.090	M20X210 *	10	55000.200.210
M8X160	25	55000.080.160	M14X100/S=22	10	55000.140.100	M20X220	5	55000.200.220
M8X170	25	55000.080.170	M14X110/S=22	10	55000.140.110	M20X240	5	55000.200.240
M8X180	25	55000.080.180	M14X120/S=22	10	55000.140.120	M20X250 *	10	55000.200.250
M8X190	25	55000.080.190	M14X140/S=22	10	55000.140.140	M20X260	5	55000.200.260
M8X200	10	55000.080.200	M14X150/S=22	10	55000.140.150	M20X270 *	10	55000.200.270
M8X210 *	25	55000.080.210	M14X160/S=22	10	55000.140.160	M20X280	5	55000.200.280
M8X220	10	55000.080.220	M14X180/S=22	10	55000.140.180	M20X300	5	55000.200.300
			M14X200/S=22	10	55000.140.200	M20X320 *	5	55000.200.320
M10X35/S=17 *	100	55000.100.035	M16X55	50	55000.160.055	M22X80/S=32	10	55000.220.080
M10X40/S=17	100	55000.100.040	M16X60	25	55000.160.060	M22X90/S=32	10	55000.220.090
M10X45/S=17	100	55000.100.045	M16X65	25	55000.160.065	M22X100/S=32	10	55000.220.100
M10X50/S=17	100	55000.100.050	M16X70	25	55000.160.070	M22X120/S=32	5	55000.220.120
M10X55/S=17	100	55000.100.055	M16X75	25	55000.160.075	M22X130/S=32	5	55000.220.130
M10X60/S=17	100	55000.100.060	M16X80	25	55000.160.080	M22X140/S=32	5	55000.220.140
M10X65/S=17	50	55000.100.065	M16X85	25	55000.160.085	M22X150/S=32	5	55000.220.150
M10X70/S=17	50	55000.100.070						
M10X75/S=17	50	55000.100.075						

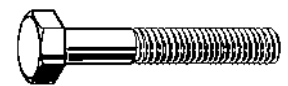
55000 Hexagon head bolt

d x L	Art.number	d x L	Art.number	d x L	Art.number
M22X160/S=32 *	10 55000.220.160	M27X140	3 55000.270.140	M33X110	1 55000.330.110
M22X180/S=32 *	10 55000.220.180	M27X150	3 55000.270.150	M33X120	1 55000.330.120
M22X200/S=32 *	10 55000.220.200	M27X160	3 55000.270.160	M33X130	1 55000.330.130
M24X75 *	10 55000.240.075	M27X170 *	5 55000.270.170	M33X140	1 55000.330.140
M24X80	5 55000.240.080	M27X180	3 55000.270.180	M33X150	1 55000.330.150
M24X90	5 55000.240.090	M27X190 *	5 55000.270.190	M33X160	1 55000.330.160
M24X100	5 55000.240.100	M27X200	3 55000.270.200	M33X170	1 55000.330.170
M24X110	5 55000.240.110	M27X210 *	5 55000.270.210	M33X180	1 55000.330.180
M24X120	5 55000.240.120	M27X220	3 55000.270.220	M33X190	1 55000.330.190
M24X130	5 55000.240.130	M27X240	3 55000.270.240	M33X200	1 55000.330.200
M24X140	5 55000.240.140	M27X250 *	5 55000.270.250	M33X210 *	5 55000.330.210
M24X150	5 55000.240.150	M27X300 *	5 55000.270.300	M33X220	1 55000.330.220
M24X160	5 55000.240.160	M30X80 *	10 55000.300.080	M33X230 *	5 55000.330.230
M24X170 *	10 55000.240.170	M30X90	1 55000.300.090	M33X240	1 55000.330.240
M24X180	5 55000.240.180	M30X100	1 55000.300.100	M33X250 *	5 55000.330.250
M24X190 *	10 55000.240.190	M30X110	1 55000.300.110	M33X260	1 55000.330.260
M24X200	5 55000.240.200	M30X120	1 55000.300.120	M36X100	1 55000.360.100
M24X210 *	5 55000.240.210	M30X140	1 55000.300.140	M36X110	1 55000.360.110
M24X220	5 55000.240.220	M30X150	1 55000.300.150	M36X120	1 55000.360.120
M24X230	5 55000.240.230	M30X160	1 55000.300.160	M36X130	1 55000.360.130
M24X240	5 55000.240.240	M30X170 *	5 55000.300.170	M36X140	1 55000.360.140
M24X260	5 55000.240.260	M30X180	1 55000.300.180	M36X150	1 55000.360.150
M24X280 *	5 55000.240.280	M30X190 *	5 55000.300.190	M36X160	1 55000.360.160
M24X290 *	5 55000.240.290	M30X200	1 55000.300.200	M36X170	1 55000.360.170
M24X300 *	5 55000.240.300	M30X210	1 55000.300.210	M36X180	1 55000.360.180
M27X75 *	10 55000.270.075	M30X220	1 55000.300.220	M36X190	1 55000.360.190
M27X80	3 55000.270.080	M30X230 *	5 55000.300.230	M36X200	1 55000.360.200
M27X90	3 55000.270.090	M30X240	1 55000.300.240	M36X210 *	5 55000.360.210
M27X100	3 55000.270.100	M30X250	1 55000.300.250	M36X220	1 55000.360.220
M27X110	3 55000.270.110	M30X300 *	5 55000.300.300	M36X230 *	5 55000.360.230
M27X120	3 55000.270.120	M33X90	1 55000.330.090	M36X240	1 55000.360.240
M27X130	3 55000.270.130	M33X100	1 55000.330.100	M36X250 *	5 55000.360.250

• Sizes with a diameter > M24 and sizes with a length > 8xd are minimal property class 50.

53510 Hexagon head bolt
R11A

Thread Metric thread
Material Stainless steel A4
Class 80
Packaging Standard



d x L	Art.number	d x L	Art.number	d x L	Art.number
M5X25 *	200 53510.050.025	M8X120 *	50 53510.080.120	M16X50 *	25 53510.160.050
M5X30 *	200 53510.050.030	M8X130 *	50 53510.080.130	M16X55	25 53510.160.055
M5X35 *	200 53510.050.035	M8X140 *	50 53510.080.140	M16X60	25 53510.160.060
M5X40 *	200 53510.050.040	M8X150 *	50 53510.080.150	M16X65	25 53510.160.065
M5X45 *	200 53510.050.045	M10X35/S=17 *	100 53510.100.035	M16X70	25 53510.160.070
M5X50 *	200 53510.050.050	M10X40/S=17	50 53510.100.040	M16X75	25 53510.160.075
M5X55 *	200 53510.050.055	M10X45/S=17	50 53510.100.045	M16X80	25 53510.160.080
M5X60 *	200 53510.050.060	M10X50/S=17	50 53510.100.050	M16X90	25 53510.160.090
M5X65 *	200 53510.050.065	M10X55/S=17 *	50 53510.100.055	M16X100	25 53510.160.100
M5X70 *	100 53510.050.070	M10X60/S=17	50 53510.100.060	M16X110 *	25 53510.160.110
M5X75 *	100 53510.050.075	M10X65/S=17 *	50 53510.100.065	M16X120	25 53510.160.120
M5X80 *	100 53510.050.080	M10X70/S=17	50 53510.100.070	M16X130 *	25 53510.160.130
M5X100 *	100 53510.050.100	M10X80/S=17	50 53510.100.080	M16X140 *	25 53510.160.140
M6X30	100 53510.060.030	M10X80/S=17	50 53510.100.080	M16X150	25 53510.160.150
M6X35	100 53510.060.035	M10X90/S=17	50 53510.100.090	M20X60 *	25 53510.200.060
M6X40	100 53510.060.040	M10X100/S=17	50 53510.100.100	M20X65 *	25 53510.200.065
M6X50	100 53510.060.050	M10X110/S=17 *	50 53510.100.110	M20X70	10 53510.200.070
M6X60	100 53510.060.060	M10X130/S=17 *	50 53510.100.130	M20X75 *	25 53510.200.075
M6X65	100 53510.060.065	M10X140/S=17 *	50 53510.100.140	M20X80	10 53510.200.080
M6X70	100 53510.060.070	M10X160/S=17 *	25 53510.100.160	M20X90	10 53510.200.090
M6X75 *	100 53510.060.075	M12X40/S=19 *	50 53510.120.040	M20X100	10 53510.200.100
M6X80	100 53510.060.080	M12X45/S=19	25 53510.120.045	M20X120	10 53510.200.120
M6X90 *	100 53510.060.090	M12X50/S=19	25 53510.120.050	M20X130 *	1 53510.200.130
M6X100	100 53510.060.100	M12X55/S=19	25 53510.120.055	M20X140 *	1 53510.200.140
M6X130 *	100 53510.060.130	M12X60/S=19	25 53510.120.060	M20X150	10 53510.200.150
M8X35 *	100 53510.080.035	M12X65/S=19	25 53510.120.065	M20X160 *	10 53510.200.160
M8X40	50 53510.080.040	M12X70/S=19	25 53510.120.070	M20X200 *	10 53510.200.200
M8X45	50 53510.080.045	M12X75/S=19	25 53510.120.075	M24X75 *	10 53510.240.075
M8X50	50 53510.080.050	M12X80/S=19	25 53510.120.080	M24X80	10 53510.240.080
M8X55 *	100 53510.080.055	M12X90/S=19	25 53510.120.090	M24X85 *	10 53510.240.085
M8X60	50 53510.080.060	M12X100/S=19	25 53510.120.100	M24X90	10 53510.240.090
M8X70	50 53510.080.070	M12X110/S=19 *	25 53510.120.110	M24X100	10 53510.240.100
M8X75 *	50 53510.080.075	M12X120/S=19 *	25 53510.120.120	M24X120	10 53510.240.120
M8X80	50 53510.080.080	M12X130/S=19 *	25 53510.120.130	M24X130 *	10 53510.240.130
M8X90 *	50 53510.080.090	M12X140/S=19 *	25 53510.120.140	M24X140 *	10 53510.240.140
M8X100	50 53510.080.100	M12X150/S=19 *	25 53510.120.150	M24X150	10 53510.240.150
M8X110 *	50 53510.080.110	M12X160/S=19 *	10 53510.120.160	M24X160 *	10 53510.240.160
		M12X180/S=19 *	10 53510.120.180	M24X180 *	10 53510.240.180
		M12X220/S=19 *	10 53510.120.220	M24X200 *	10 53510.240.200

53510 Hexagon head bolt ←

d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
			M30X150 *	10	53510.300.150			

- Depending on availability it is possible that the diameters M10 and M12 are supplied acc. to DIN 931 with the appropriate values stated between brackets.

23010 Hexagon head bolt G90A

Thread	Metric thread							
Material	Steel 24CrMo5							
Class	G							
Packaging	Standard							

d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
M20X100	10	23010.200.100	M24X120	10	23010.240.120	M30X150	5	23010.300.150
M20X120	10	23010.200.120	M24X140	10	23010.240.140			

- Special features hexagon head bolts:
- Made of steel 24 Cr Mo 5 materialnumber: 1.7258.
- Intended for use at high temperatures up to 400°C.
- Threadlengths not acc. to ISO 4014.
- Mechanical properties acc. to DIN 17240.
- The bolthead is marked with the marking sign G, acc. to DIN 267-13.

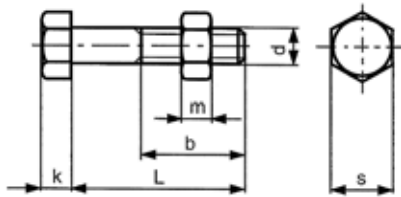
56090 Hexagon head bolt plastic W02A

Thread	Metric thread							
Material	Plastic Polyamide (nylon)							
Class	PA 6.6							
Colour	White							
Packaging	Standard							
	ISO ≈4014							
	DIN ≈931							
	NEN ≈1555							
	ANSI ≈B18.2.3.1M							
	NF ≈E25-112							

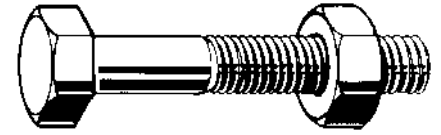
d x L/b	☒	Art.number	d x L/b	☒	Art.number	d x L/b	☒	Art.number
M8X70	50	56090.080.070	M12X50/50	25	56090.120.050	M12X80/30	25	56090.120.080
M10X60/50	25	56090.100.060	M12X60/50	25	56090.120.060			
M12X40/30	25	56090.120.040						

Hexagon head bolt with hexagon nut

1



ISO 4016/-
DIN 601/555 (1987)
 NEN 102/697
 NF E25-115-1/E25-402



Technical data

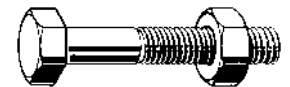
d	P	b (min.): L≤125mm	b (min.): 125mm<L≤200mm	b (min.): L>200mm	k	m	s
M5	0,8	16	22	35	3,5	4	8
M6	1	18	24	37	4	5	10
M8	1,25	22	28	41	5,3	6,5	13
M10	1,5	26	32	45	6,4	8	17
M12	1,75	30	36	49	7,5	10	19
M16	2	38	44	57	10	13	24
M20	2,5	46	52	65	12,5	16	30
M24	3	54	60	73	15	19	36
M27	3	60	66	79	17	22	41

- The corresponding hexagon nuts have a property class ≥ I4I.

08200 Hexagon head bolt with hexagon nut

E03A

Thread Metric thread
Material Steel
Class ≥4.6
Surface treatment Zinc plated
Packaging Standard



d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
M6X16	500	08200.060.016	M10X100	100	08200.100.100	M16X140	25	08200.160.140
M6X20	500	08200.060.020	M10X120	50	08200.100.120	M16X160	25	08200.160.160
M6X25	500	08200.060.025	M10X140	50	08200.100.140	M16X180	25	08200.160.180
M6X30	500	08200.060.030				M16X200	25	08200.160.200
M6X40	200	08200.060.040	M12X25	100	08200.120.025	M20X40	25	08200.200.040
M6X50	200	08200.060.050	M12X30	100	08200.120.030	M20X50	25	08200.200.050
M6X60	200	08200.060.060	M12X35	100	08200.120.035	M20X60	25	08200.200.060
M6X70	200	08200.060.070	M12X40	100	08200.120.040	M20X65	25	08200.200.065
M6X80	200	08200.060.080	M12X45	100	08200.120.045	M20X70	25	08200.200.070
M6X100	100	08200.060.100	M12X50	100	08200.120.050	M20X75	25	08200.200.075
			M12X55	100	08200.120.055	M20X80	25	08200.200.080
M8X20	200	08200.080.020	M12X60	100	08200.120.060	M20X90	25	08200.200.090
M8X25	200	08200.080.025	M12X70	50	08200.120.070	M20X100	25	08200.200.100
M8X30	200	08200.080.030	M12X80	50	08200.120.080	M20X110	25	08200.200.110
M8X40	200	08200.080.040	M12X100	50	08200.120.100	M20X120	25	08200.200.120
M8X45	200	08200.080.045	M12X110	50	08200.120.110	M20X130	25	08200.200.130
M8X50	200	08200.080.050	M12X130	50	08200.120.130	M20X140	25	08200.200.140
M8X55	200	08200.080.055	M12X150	50	08200.120.150	M20X150	10	08200.200.150
M8X60	200	08200.080.060				M20X160	10	08200.200.160
M8X70	200	08200.080.070	M16X35	50	08200.160.035	M20X180	10	08200.200.180
M8X80	200	08200.080.080	M16X40	50	08200.160.040	M20X200	10	08200.200.200
M8X90	100	08200.080.090	M16X45	50	08200.160.045	M20X220	10	08200.200.220
M8X100	100	08200.080.100	M16X50	50	08200.160.050	M20X240	10	08200.200.240
			M16X55	50	08200.160.055			
M10X25	200	08200.100.025	M16X60	50	08200.160.060	M24X70	25	08200.240.070
M10X30	200	08200.100.030	M16X65	25	08200.160.065	M24X80	25	08200.240.080
M10X35	100	08200.100.035	M16X70	25	08200.160.070	M24X90	10	08200.240.090
M10X40	100	08200.100.040	M16X80	25	08200.160.080	M24X100	10	08200.240.100
M10X45	100	08200.100.045	M16X100	25	08200.160.100	M24X110	10	08200.240.110
M10X50	100	08200.100.050	M16X110	25	08200.160.110			
M10X70	100	08200.100.070	M16X120	25	08200.160.120			
M10X90	100	08200.100.090	M16X130	25	08200.160.130			