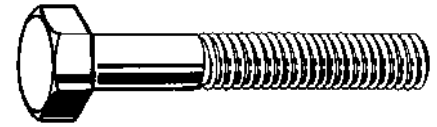
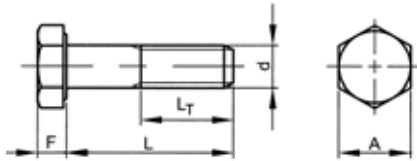


Hexagon head bolt UNC

1

ANSI ≈ B18.2.1
 BS ≈ 1768



Technical data

d	Threads per inch	L _T (min.): L ≤ 6.IN.	L _T (min.): L > 6.IN.	F	A
No.10	24	-	-	3	5/16
1/4	20	19	25	4	7/16
5/16	18	22	29	5,2	1/2
3/8	16	25	32	6	9/16
7/16	14	29	35	7,1	5/8
1/2	13	32	38	7,9	3/4
9/16	12	35	41	9,1	13/16
5/8	11	38	44	9,9	15/16
3/4	10	44	51	11,9	1.1/8
7/8	9	51	57	13,9	1.5/16
1.IN.	8	57	64	15,5	1.1/2
1.1/8	7	64	70	17,5	1.11/16
1.1/4	7	70	76	19,8	1.7/8
1.1/2	6	83	89	23,8	2.1/4

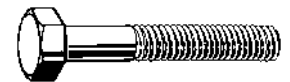
Article groups


Thread	Driving features	Material	Class	Surface treatment	Packaging	Code	Page
UNC	hexagon	St	Grade 5		Standard	02400	1-38
UNC	hexagon	St	Grade 5	Zipl	Standard	02420	1-39
UNC	hexagon	St.St. A2			Standard	51006	1-40
UNC	hexagon	St.St. A4			Standard	55006	1-40

02400 Hexagon head bolt UNC

X01A

Thread	Unified National Coarse
Material	Steel
Class	Grade 5
Packaging	Standard



- Grade 5 acc. to the American standards SAE J429/ASTM A449 (marking sign ) corresponds much the same with property class 8.8 acc. to ISO 898-1. When the bolts are also marked with 8.8, then they meet the properties of property class 8.8. Depending on availability also the equal class S acc. to BS 1768 (marking sign S) can be supplied.

d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
1/4X1.1/4	200	02400.063.031	5/16X4.1/2	50	02400.079.114	7/16X4.IN.	50	02400.111.101
1/4X1.1/2	200	02400.063.038	5/16X5.IN.	100	02400.079.127	7/16X4.1/2	50	02400.111.114
1/4X1.3/4	200	02400.063.044						
1/4X2.IN.	200	02400.063.050	3/8X1.1/2	100	02400.096.038	1/2X1.3/4	50	02400.127.044
1/4X2.1/4	200	02400.063.057	3/8X1.3/4	100	02400.096.044	1/2X2.IN.	50	02400.127.050
1/4X2.1/2	100	02400.063.063	3/8X2.IN.	100	02400.096.050	1/2X2.1/4	50	02400.127.057
1/4X2.3/4	100	02400.063.069	3/8X2.1/4	100	02400.096.057	1/2X2.1/2	50	02400.127.063
1/4X3.IN.	100	02400.063.076	3/8X2.1/2	100	02400.096.063	1/2X2.3/4	50	02400.127.069
1/4X3.1/4	100	02400.063.082	3/8X2.3/4	100	02400.096.069	1/2X3.IN.	50	02400.127.076
1/4X3.1/2	100	02400.063.088	3/8X3.IN.	100	02400.096.076	1/2X3.1/4	25	02400.127.082
1/4X4.IN.	100	02400.063.101	3/8X3.1/4	50	02400.096.082	1/2X3.1/2	50	02400.127.088
1/4X4.1/2	100	02400.063.114	3/8X3.1/2	50	02400.096.088	1/2X3.3/4	25	02400.127.095
1/4X6.IN.	100	02400.063.152	3/8X4.IN.	50	02400.096.101	1/2X4.IN.	50	02400.127.101
			3/8X4.1/2	50	02400.096.114	1/2X4.1/2	50	02400.127.114
5/16X1.1/4	200	02400.079.031	3/8X5.IN.	50	02400.096.127	1/2X5.IN.	50	02400.127.127
5/16X1.1/2	200	02400.079.038	3/8X5.1/2	50	02400.096.139	1/2X5.1/2	25	02400.127.139
5/16X1.3/4	100	02400.079.044	3/8X6.IN.	50	02400.096.152	1/2X6.IN.	25	02400.127.152
5/16X2.IN.	100	02400.079.050				1/2X6.1/2	25	02400.127.165
5/16X2.1/4	100	02400.079.057	7/16X1.1/2	100	02400.111.038	1/2X7.IN.	25	02400.127.177
5/16X2.1/2	100	02400.079.063	7/16X1.3/4	50	02400.111.044	1/2X8.IN.	10	02400.127.203
5/16X2.3/4	100	02400.079.069	7/16X2.IN.	100	02400.111.050	1/2X8.1/2	10	02400.127.215
5/16X3.IN.	100	02400.079.076	7/16X2.1/2	50	02400.111.063	1/2X10.IN.	10	02400.127.254
5/16X3.1/2	100	02400.079.088	7/16X2.3/4	50	02400.111.069	1/2X12.IN.	10	02400.127.304
5/16X3.3/4	100	02400.079.095	7/16X3.IN.	50	02400.111.076	1/2X13.IN.	10	02400.127.330
5/16X4.IN.	100	02400.079.101	7/16X3.1/2	50	02400.111.088			

02400 Hexagon head bolt UNC ←

d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
9/16X1.1/4	25	02400.142.031	3/4X9.IN.	10	02400.191.228	1.1/8X3.IN.	4	02400.285.076
9/16X1.1/2	25	02400.142.038	3/4X10.IN.	10	02400.191.254	1.1/8X3.1/2	4	02400.285.088
9/16X1.3/4	25	02400.142.044				1.1/8X4.IN.	4	02400.285.101
9/16X2.IN.	100	02400.142.050	7/8X2.1/4	25	02400.222.057	1.1/8X4.1/2	4	02400.285.114
9/16X3.IN.	25	02400.142.076	7/8X3.IN.	25	02400.222.076	1.1/8X5.IN.	4	02400.285.127
9/16X3.1/2	25	02400.142.088	7/8X3.1/2	10	02400.222.088	1.1/8X5.1/2	4	02400.285.139
			7/8X4.IN.	10	02400.222.101	1.1/8X6.IN.	4	02400.285.152
5/8X2.1/4	25	02400.158.057	7/8X4.1/2	10	02400.222.114			
5/8X2.1/2	25	02400.158.063	7/8X5.IN.	10	02400.222.127	1.1/4X3.1/4	2	02400.317.082
5/8X2.3/4	25	02400.158.069	7/8X5.1/2	10	02400.222.139	1.1/4X3.1/2	2	02400.317.088
5/8X3.IN.	25	02400.158.076	7/8X6.IN.	10	02400.222.152	1.1/4X4.IN.	2	02400.317.101
5/8X3.1/4	25	02400.158.082	7/8X6.1/2	10	02400.222.165	1.1/4X4.1/2	2	02400.317.114
5/8X3.1/2	25	02400.158.088	7/8X7.IN.	10	02400.222.177	1.1/4X5.IN.	2	02400.317.127
5/8X3.3/4	25	02400.158.095	7/8X8.IN.	5	02400.222.203	1.1/4X5.1/2	2	02400.317.139
5/8X4.IN.	25	02400.158.101	7/8X8.1/2	5	02400.222.215	1.1/4X6.IN.	2	02400.317.152
5/8X4.1/2	25	02400.158.114				1.1/4X6.1/2	2	02400.317.165
5/8X5.IN.	25	02400.158.127	1.IN.X2.1/4	10	02400.254.057	1.1/4X7.IN.	2	02400.317.177
5/8X5.1/2	10	02400.158.139	1.IN.X2.1/2	10	02400.254.063	1.1/4X8.IN.	2	02400.317.203
5/8X6.IN.	10	02400.158.152	1.IN.X2.3/4	10	02400.254.069	1.1/4X9.IN.	2	02400.317.228
5/8X7.IN.	10	02400.158.177	1.IN.X3.IN.	10	02400.254.076	1.1/4X10.IN.	2	02400.317.254
5/8X8.IN.	10	02400.158.203	1.IN.X3.1/4	10	02400.254.082	1.1/4X12.IN.	2	02400.317.304
			1.IN.X3.1/2	10	02400.254.088			
3/4X2.1/4	25	02400.191.057	1.IN.X4.IN.	10	02400.254.101	1.1/2X3.IN.	2	02400.381.076
3/4X2.1/2	25	02400.191.063	1.IN.X4.1/2	10	02400.254.114	1.1/2X3.1/2	2	02400.381.088
3/4X2.3/4	25	02400.191.069	1.IN.X5.IN.	10	02400.254.127	1.1/2X4.IN.	2	02400.381.101
3/4X3.IN.	25	02400.191.076	1.IN.X5.1/2	10	02400.254.139	1.1/2X4.1/2	2	02400.381.114
3/4X3.1/4	25	02400.191.082	1.IN.X6.IN.	10	02400.254.152	1.1/2X5.IN.	2	02400.381.127
3/4X3.1/2	25	02400.191.088	1.IN.X6.1/2	5	02400.254.165	1.1/2X5.1/2	2	02400.381.139
3/4X4.IN.	25	02400.191.101	1.IN.X7.IN.	5	02400.254.177	1.1/2X6.IN.	2	02400.381.152
3/4X4.1/2	10	02400.191.114	1.IN.X7.1/2	5	02400.254.190	1.1/2X8.IN.	2	02400.381.203
3/4X5.IN.	10	02400.191.127	1.IN.X8.IN.	5	02400.254.203	1.1/2X10.IN.	1	02400.381.254
3/4X5.1/2	10	02400.191.139	1.IN.X8.1/2	5	02400.254.215	1.1/2X12.IN.	1	02400.381.304
3/4X6.IN.	10	02400.191.152	1.IN.X9.IN.	5	02400.254.228	1.1/2X14.IN.	1	02400.381.355
3/4X7.IN.	10	02400.191.177	1.IN.X10.IN.	5	02400.254.254			
3/4X8.IN.	10	02400.191.203						

1

02420 Hexagon head bolt UNC X01A

Thread	Unified National Coarse
Material	Steel
Class	Grade 5
Surface treatment	Zinc plated
Packaging	Standard

- Grade 5 acc. to the American standards SAE J429/ASTM A449 (marking sign) corresponds much the same with property class 8.8 acc. to ISO 898-1. When the bolts are also marked with 8.8, then they meet the properties of property class 8.8. Depending on availability also the equal class S acc. to BS 1768 (marking sign S) can be supplied.

d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
1/4X1.IN.	200	02420.063.025	3/8X2.1/2	100	02420.096.063	1/2X2.3/4	100	02420.127.069
1/4X1.1/4	200	02420.063.031	3/8X2.3/4	100	02420.096.069	1/2X3.IN.	100	02420.127.076
1/4X1.1/2	200	02420.063.038	3/8X3.IN.	100	02420.096.076	1/2X3.1/4	50	02420.127.082
1/4X1.3/4	200	02420.063.044	3/8X3.1/4	100	02420.096.082	1/2X3.1/2	50	02420.127.088
1/4X2.IN.	200	02420.063.050	3/8X3.1/2	100	02420.096.088	1/2X3.3/4	50	02420.127.095
1/4X2.1/4	200	02420.063.057	3/8X3.3/4	100	02420.096.095	1/2X4.IN.	50	02420.127.101
1/4X2.1/2	200	02420.063.063	3/8X4.IN.	100	02420.096.101	1/2X4.1/2	50	02420.127.114
1/4X2.3/4	200	02420.063.069	3/8X4.1/2	100	02420.096.114	1/2X5.IN.	50	02420.127.127
1/4X3.IN.	200	02420.063.076	3/8X5.IN.	100	02420.096.127	1/2X5.1/2	50	02420.127.139
1/4X3.1/2	100	02420.063.088	3/8X5.1/2	50	02420.096.139	1/2X6.IN.	50	02420.127.152
1/4X4.IN.	100	02420.063.101	3/8X6.IN.	50	02420.096.152	1/2X6.1/2	50	02420.127.165
1/4X4.1/2	100	02420.063.114	3/8X6.1/2	50	02420.096.165	1/2X7.IN.	50	02420.127.177
1/4X5.IN.	100	02420.063.127	3/8X7.IN.	50	02420.096.177	1/2X7.1/2	50	02420.127.190
1/4X6.IN.	100	02420.063.152	3/8X7.1/2	50	02420.096.190	1/2X8.IN.	50	02420.127.203
5/16X1.1/4	200	02420.079.031	7/16X1.1/2	100	02420.111.038	9/16X2.IN.	50	02420.142.050
5/16X1.1/2	200	02420.079.038	7/16X1.3/4	100	02420.111.044	9/16X2.1/4	25	02420.142.057
5/16X1.3/4	200	02420.079.044	7/16X2.IN.	100	02420.111.050	9/16X2.1/2	25	02420.142.063
5/16X2.IN.	200	02420.079.050	7/16X2.1/4	100	02420.111.057	9/16X3.IN.	25	02420.142.076
5/16X2.1/4	200	02420.079.057	7/16X2.1/2	100	02420.111.063	9/16X3.1/2	25	02420.142.088
5/16X2.1/2	200	02420.079.063	7/16X2.3/4	100	02420.111.069	9/16X4.IN.	25	02420.142.101
5/16X2.3/4	200	02420.079.069	7/16X3.IN.	100	02420.111.076	9/16X4.1/2	25	02420.142.114
5/16X3.IN.	200	02420.079.076	7/16X3.1/4	50	02420.111.082	9/16X5.IN.	25	02420.142.127
5/16X3.1/4	100	02420.079.082	7/16X3.1/2	50	02420.111.088	9/16X6.IN.	25	02420.142.152
5/16X3.1/2	100	02420.079.088	7/16X3.3/4	50	02420.111.095			
5/16X3.3/4	100	02420.079.095	7/16X4.IN.	50	02420.111.101	5/8X2.IN.	50	02420.158.050
5/16X4.IN.	100	02420.079.101	7/16X4.1/2	50	02420.111.114	5/8X2.1/4	50	02420.158.057
5/16X4.1/2	100	02420.079.114	7/16X5.IN.	50	02420.111.127	5/8X2.1/2	50	02420.158.063
5/16X5.IN.	100	02420.079.127	7/16X5.1/2	50	02420.111.139	5/8X2.3/4	50	02420.158.069
5/16X6.IN.	50	02420.079.152	7/16X6.IN.	50	02420.111.152	5/8X3.IN.	50	02420.158.076
						5/8X3.1/4	50	02420.158.082
3/8X1.1/2	200	02420.096.038	1/2X1.3/4	100	02420.127.044	5/8X3.1/2	25	02420.158.088
3/8X1.3/4	200	02420.096.044	1/2X2.IN.	100	02420.127.050	5/8X3.3/4	25	02420.158.095
3/8X2.IN.	200	02420.096.050	1/2X2.1/4	100	02420.127.057	5/8X4.IN.	25	02420.158.101
3/8X2.1/4	100	02420.096.057	1/2X2.1/2	100	02420.127.063			

1

02420 Hexagon head bolt UNC

d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
5/8X5.IN.	25	02420.158.127	3/4X7.IN.	10	02420.191.177	1.IN.X4.1/2	10	02420.254.114
5/8X5.1/2	25	02420.158.139	3/4X7.1/2	10	02420.191.190	1.IN.X5.IN.	10	02420.254.127
5/8X6.IN.	25	02420.158.152	3/4X8.IN.	10	02420.191.203	1.IN.X5.1/2	10	02420.254.139
5/8X6.1/2	25	02420.158.165				1.IN.X6.IN.	10	02420.254.152
5/8X7.IN.	25	02420.158.177	7/8X3.IN.	25	02420.222.076	1.IN.X6.1/2	10	02420.254.165
5/8X8.IN.	25	02420.158.203	7/8X3.1/4	25	02420.222.082	1.IN.X7.IN.	10	02420.254.177
5/8X10.IN.	25	02420.158.254	7/8X3.1/2	25	02420.222.088	1.IN.X7.1/2	100	02420.254.190
			7/8X4.IN.	25	02420.222.101	1.IN.X8.IN.	10	02420.254.203
3/4X2.1/4	50	02420.191.057	7/8X4.1/2	25	02420.222.114	1.IN.X10.IN.	10	02420.254.254
3/4X2.1/2	50	02420.191.063	7/8X5.IN.	25	02420.222.127			
3/4X2.3/4	25	02420.191.069	7/8X5.1/2	25	02420.222.139	1.1/4X3.1/2	5	02420.317.088
3/4X3.IN.	25	02420.191.076	7/8X6.IN.	25	02420.222.152	1.1/4X5.1/2	5	02420.317.139
3/4X3.1/4	25	02420.191.082	7/8X6.1/2	10	02420.222.165	1.1/4X6.IN.	5	02420.317.152
3/4X3.1/2	25	02420.191.088	7/8X7.IN.	10	02420.222.177	1.1/4X6.1/2	5	02420.317.165
3/4X3.3/4	25	02420.191.095	7/8X8.IN.	10	02420.222.203	1.1/4X7.IN.	5	02420.317.177
3/4X4.IN.	25	02420.191.101	7/8X10.IN.	10	02420.222.254	1.1/4X10.IN.	5	02420.317.254
3/4X4.1/2	25	02420.191.114				1.1/4X12.IN.	5	02420.317.304
3/4X5.IN.	25	02420.191.127	1.IN.X3.IN.	10	02420.254.076			
3/4X5.1/2	25	02420.191.139	1.IN.X3.1/4	10	02420.254.082	1.1/2X4.IN.	5	02420.381.101
3/4X6.IN.	25	02420.191.152	1.IN.X3.1/2	10	02420.254.088			
3/4X6.1/2	10	02420.191.165	1.IN.X4.IN.	10	02420.254.101			

51006 Hexagon head bolt UNC X15A

Thread Unified National Coarse
Material Stainless steel A2
Packaging Standard

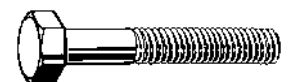


d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
1/4X1.IN.	100	51006.063.025	3/8X3.1/2	25	51006.096.088	5/8X3.IN.	5	51006.158.076
1/4X1.1/4	100	51006.063.031	3/8X3.3/4	25	51006.096.095	5/8X3.1/4	5	51006.158.082
1/4X1.1/2	100	51006.063.038	3/8X4.IN.	25	51006.096.101	5/8X3.1/2	5	51006.158.088
1/4X1.3/4	50	51006.063.044	3/8X4.1/2	25	51006.096.114	5/8X3.3/4	5	51006.158.095
1/4X2.IN.	50	51006.063.050	3/8X5.IN.	25	51006.096.127	5/8X4.IN.	5	51006.158.101
1/4X2.1/4	50	51006.063.057	3/8X6.IN.	25	51006.096.152	5/8X4.1/2	5	51006.158.114
1/4X2.1/2	50	51006.063.063	3/8X7.IN.	25	51006.096.177	5/8X5.IN.	5	51006.158.127
1/4X2.3/4	50	51006.063.069				5/8X5.1/2	5	51006.158.139
1/4X3.IN.	50	51006.063.076	7/16X3/4	25	51006.111.019	5/8X6.IN.	5	51006.158.152
1/4X3.1/2	50	51006.063.088	7/16X1.IN.	25	51006.111.025	5/8X6.1/2	5	51006.158.165
1/4X4.IN.	50	51006.063.101	7/16X1.1/4	25	51006.111.031	5/8X7.IN.	5	51006.158.177
1/4X4.1/2	50	51006.063.114	7/16X1.1/2	25	51006.111.038			
1/4X5.IN.	50	51006.063.127	7/16X1.3/4	25	51006.111.044	3/4X2.IN.	5	51006.191.050
			7/16X2.IN.	25	51006.111.050	3/4X2.1/4	5	51006.191.057
5/16X1.IN.	100	51006.079.025	7/16X4.IN.	25	51006.111.101	3/4X2.1/2	5	51006.191.063
5/16X1.1/2	100	51006.079.038				3/4X2.3/4	5	51006.191.069
5/16X1.3/4	50	51006.079.044	1/2X1.3/4	25	51006.127.044	3/4X3.IN.	5	51006.191.076
5/16X2.IN.	50	51006.079.050	1/2X2.IN.	25	51006.127.050	3/4X3.1/4	5	51006.191.082
5/16X2.1/4	50	51006.079.057	1/2X2.1/4	25	51006.127.057	3/4X3.1/2	5	51006.191.088
5/16X2.1/2	50	51006.079.063	1/2X2.1/2	25	51006.127.063	3/4X4.IN.	5	51006.191.101
5/16X2.3/4	50	51006.079.069	1/2X2.3/4	10	51006.127.069	3/4X4.1/2	5	51006.191.114
5/16X3.IN.	50	51006.079.076	1/2X3.IN.	10	51006.127.076	3/4X5.IN.	5	51006.191.127
5/16X3.1/2	50	51006.079.088	1/2X3.1/4	10	51006.127.082	3/4X6.IN.	5	51006.191.152
5/16X4.IN.	50	51006.079.101	1/2X3.1/2	10	51006.127.088			
5/16X4.1/2	50	51006.079.114	1/2X3.3/4	10	51006.127.095	7/8X2.1/2	5	51006.222.063
5/16X5.IN.	50	51006.079.127	1/2X4.IN.	10	51006.127.101	7/8X3.IN.	5	51006.222.076
			1/2X4.1/2	10	51006.127.114	7/8X4.IN.	5	51006.222.101
3/8X1.1/4	50	51006.096.031	1/2X5.IN.	10	51006.127.127			
3/8X1.1/2	50	51006.096.038	1/2X5.1/2	10	51006.127.139	1.IN.X2.IN.	5	51006.254.050
3/8X1.3/4	50	51006.096.044	1/2X6.IN.	10	51006.127.152	1.IN.X2.3/4	5	51006.254.069
3/8X2.IN.	50	51006.096.050				1.IN.X3.IN.	5	51006.254.076
3/8X2.1/4	25	51006.096.057	5/8X1.3/4	10	51006.158.044	1.IN.X4.IN.	5	51006.254.101
3/8X2.1/2	25	51006.096.063	5/8X2.IN.	10	51006.158.050	1.IN.X5.IN.	5	51006.254.127
3/8X2.3/4	25	51006.096.069	5/8X2.1/4	10	51006.158.057	1.IN.X5.1/2	5	51006.254.139
3/8X3.IN.	25	51006.096.076	5/8X2.1/2	10	51006.158.063	1.IN.X6.IN.	5	51006.254.152
3/8X3.1/4	25	51006.096.082	5/8X2.3/4	10	51006.158.069			

• Depending on availability the austenitic steel type is comparable to AISI 304 with mechanical properties acc. to ASTM F593.

55006 Hexagon head bolt UNC X15A

Thread Unified National Coarse
Material Stainless steel A4
Packaging Standard



d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
1/4X1.1/4	100	55006.063.031	1/4X2.1/2	50	55006.063.063	5/16X1.1/4	100	55006.079.031
1/4X1.1/2	100	55006.063.038	1/4X3.IN.	50	55006.063.076	5/16X1.1/2	100	55006.079.038
1/4X1.3/4	50	55006.063.044	1/4X3.1/2	50	55006.063.088	5/16X1.3/4	50	55006.079.044
1/4X2.IN.	50	55006.063.050				5/16X2.IN.	50	55006.079.050
1/4X2.1/4	50	55006.063.057	5/16X1.IN.	100	55006.079.025	5/16X2.1/4	50	55006.079.057

55006 Hexagon head bolt UNC ←

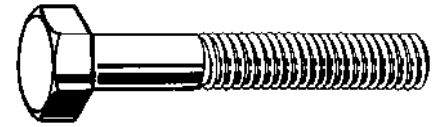
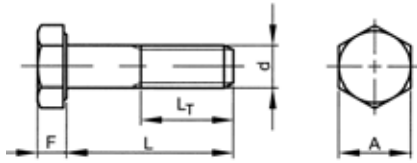
d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
5/16X2.1/2	50	55006.079.063	1/2X2.3/4	10	55006.127.069	3/4X2.1/4	5	55006.191.057
5/16X3.IN.	50	55006.079.076	1/2X3.IN.	10	55006.127.076	3/4X2.1/2	5	55006.191.063
5/16X3.1/2	50	55006.079.088	1/2X3.1/2	10	55006.127.088	3/4X2.3/4	5	55006.191.069
5/16X4.IN.	50	55006.079.101	1/2X4.IN.	10	55006.127.101	3/4X3.IN.	5	55006.191.076
			1/2X4.1/2	10	55006.127.114	3/4X3.1/2	5	55006.191.088
3/8X1.1/4	50	55006.096.031	1/2X5.IN.	10	55006.127.127	3/4X4.IN.	5	55006.191.101
3/8X1.1/2	50	55006.096.038				3/4X4.1/2	5	55006.191.114
3/8X1.3/4	50	55006.096.044	5/8X1.3/4	10	55006.158.044	3/4X5.IN.	5	55006.191.127
3/8X2.IN.	50	55006.096.050	5/8X2.IN.	10	55006.158.050	3/4X6.IN.	5	55006.191.152
3/8X2.1/2	25	55006.096.063	5/8X2.1/4	10	55006.158.057			
3/8X2.3/4	25	55006.096.069	5/8X2.1/2	10	55006.158.063	7/8X2.1/2	20	55006.222.063
3/8X3.IN.	25	55006.096.076	5/8X2.3/4	10	55006.158.069	7/8X3.IN.	5	55006.222.076
3/8X3.1/2	25	55006.096.088	5/8X3.IN.	5	55006.158.076	7/8X3.1/2	20	55006.222.088
3/8X4.IN.	25	55006.096.101	5/8X3.1/4	5	55006.158.082	7/8X4.IN.	10	55006.222.101
3/8X4.1/2	10	55006.096.114	5/8X3.1/2	5	55006.158.088	7/8X4.1/2	5	55006.222.114
3/8X5.IN.	10	55006.096.127	5/8X3.3/4	5	55006.158.095	7/8X5.IN.	5	55006.222.127
3/8X6.IN.	10	55006.096.152	5/8X4.IN.	5	55006.158.101			
			5/8X5.IN.	5	55006.158.127	1.IN.X2.IN.	1	55006.254.050
1/2X1.1/2	10	55006.127.038	5/8X6.IN.	5	55006.158.152	1.IN.X3.IN.	1	55006.254.076
1/2X1.3/4	25	55006.127.044	5/8X7.IN.	10	55006.158.177	1.IN.X4.IN.	1	55006.254.101
1/2X2.IN.	25	55006.127.050						
1/2X2.1/2	25	55006.127.063	3/4X2.IN.	5	55006.191.050			

• Depending on availability the austenitic steel type is comparable to AISI 316 with mechanical properties acc. to ASTM F593.

Hexagon head bolt UNF

1

ANSI ≈ B18.2.1
 BS ≈ 1768



Technical data

d	Threads per inch	L _T (min.): L ≤ 6.IN.	L _T (min.): L > 6.IN.	F	A
No.10	32	-	-	3	5/16
1/4	28	19	25	4	7/16
5/16	24	22	29	5,2	1/2
3/8	24	25	32	6	9/16
7/16	20	29	35	7,1	5/8
1/2	20	32	38	7,9	3/4
9/16	18	35	41	9,1	13/16
5/8	18	38	44	9,9	15/16
3/4	16	44	51	11,9	1.1/8
7/8	14	51	57	13,9	1.5/16
1.IN.-12G	12	57	64	15,5	1.1/2
1.IN.-14G	14	57	64	15,5	1.1/2
1.1/4	12	70	76	19,8	1.7/8
1.1/2	12	83	89	23,8	2.1/4

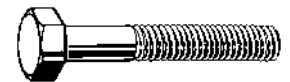
Article groups


Thread	Driving features	Material	Class	Surface treatment	Packaging	Code	Page
UNF	hexagon	St	Grade 5		Standard	02000	1-42
UNF	hexagon	St	Grade 5	Zipl	Standard	02120	1-43
UNF	hexagon	St.St. A2			Standard	51007	1-43

02000 Hexagon head bolt UNF

X01A

Thread	Unified National Fine
Material	Steel
Class	Grade 5
Packaging	Standard



- Grade 5 acc. to the American standards SAE J429/ASTM A449 (marking sign ) corresponds much the same with property class 8.8 acc. to ISO 898-1. When the bolts are also marked with 8.8, then they meet the properties of property class 8.8. Depending on availability also the equal class S acc. to BS 1768 (marking sign S) can be supplied.
- If when ordering, UNF 1 inch-12 is not stated, then we supply the type with 14 threads per inch (UNS).

d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
1/4X1.1/2	200	02000.063.038	1/2X2.1/4	50	02000.127.057	3/4X3.IN.	25	02000.191.076
5/16X1.1/4	200	02000.079.031	1/2X2.1/2	50	02000.127.063	3/4X3.1/4	25	02000.191.082
5/16X1.1/2	200	02000.079.038	1/2X3.IN.	50	02000.127.076	3/4X3.1/2	25	02000.191.088
5/16X2.IN.	100	02000.079.050	1/2X3.1/2	50	02000.127.088	3/4X4.IN.	25	02000.191.101
5/16X2.1/4	100	02000.079.057	1/2X4.IN.	50	02000.127.101	3/4X4.1/2	10	02000.191.114
5/16X2.1/2	100	02000.079.063	1/2X4.1/2	50	02000.127.114	3/4X5.IN.	25	02000.191.127
			1/2X7.IN.	25	02000.127.177	3/4X5.1/2	10	02000.191.139
			1/2X8.IN.	25	02000.127.203	3/4X6.IN.	25	02000.191.152
						3/4X7.IN.	25	02000.191.177
			9/16X2.1/2	25	02000.142.063			
			5/8X2.1/4	25	02000.158.057	7/8X2.1/2	25	02000.222.063
			5/8X2.1/2	25	02000.158.063	7/8X3.IN.	25	02000.222.076
			5/8X2.3/4	25	02000.158.069	7/8X3.1/2	10	02000.222.088
			5/8X3.IN.	25	02000.158.076	7/8X4.IN.	25	02000.222.101
			5/8X3.1/4	25	02000.158.082	7/8X4.1/2	10	02000.222.114
			5/8X3.1/2	25	02000.158.088	7/8X5.IN.	10	02000.222.127
			5/8X3.3/4	10	02000.158.095	7/8X5.1/2	10	02000.222.139
			5/8X4.IN.	25	02000.158.101	7/8X6.IN.	10	02000.222.152
			5/8X4.1/2	25	02000.158.114	7/8X7.IN.	10	02000.222.177
			5/8X5.IN.	25	02000.158.127	7/8X8.IN.	5	02000.222.203
			5/8X5.1/2	25	02000.158.139	7/8X10.IN.	5	02000.222.254
			5/8X6.IN.	25	02000.158.152			
			5/8X7.IN.	25	02000.158.177			
						1-12GX3.1/2	25	02000.255.088
						1-12GX4.IN.	25	02000.255.101
			3/4X2.1/4	25	02000.191.057	1-12GX4.1/2	10	02000.255.114
			3/4X2.1/2	25	02000.191.063	1-12GX5.IN.	10	02000.255.127

02000 Hexagon head bolt UNF ←


d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
1-12GX6.IN.	10	02000.255.152	1-14GX3.1/2	25	02000.256.088	1-14GX7.IN.	10	02000.256.177
1-12GX7.IN.	10	02000.255.177	1-14GX4.IN.	10	02000.256.101	1-14GX8.IN.	10	02000.256.203
1-12GX8.IN.	10	02000.255.203	1-14GX5.IN.	10	02000.256.127	1-14GX10.IN.	5	02000.256.254
1-14GX3.IN.	25	02000.256.076	1-14GX5.1/2	5	02000.256.139			
			1-14GX6.IN.	10	02000.256.152			

1

02120 Hexagon head bolt UNF X01A

Thread	Unified National Fine
Material	Steel
Class	Grade 5
Surface treatment	Zinc plated
Packaging	Standard




- Grade 5 acc. to the American standards SAE J429/ASTM A449 (marking sign ) corresponds much the same with property class 8.8 acc. to ISO 898-1. When the bolts are also marked with 8.8, then they meet the properties of property class 8.8. Depending on availability also the equal class S acc. to BS 1768 (marking sign S) can be supplied.
- If when ordering, UNF 1 inch-12 is not stated, then we supply the type with 14 threads per inch (UNS).

d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
1/4X1.IN.	200	02120.063.025	7/16X1.3/4	100	02120.111.044	5/8X3.1/2	25	02120.158.088
1/4X1.1/4	200	02120.063.031	7/16X2.IN.	100	02120.111.050	5/8X3.3/4	25	02120.158.095
1/4X1.1/2	200	02120.063.038	7/16X2.1/4	100	02120.111.057	5/8X4.IN.	25	02120.158.101
1/4X1.3/4	200	02120.063.044	7/16X2.1/2	100	02120.111.063	5/8X4.1/2	25	02120.158.114
1/4X2.IN.	200	02120.063.050	7/16X2.3/4	100	02120.111.069	5/8X5.IN.	25	02120.158.127
1/4X2.1/4	200	02120.063.057	7/16X3.IN.	100	02120.111.076	5/8X5.1/2	25	02120.158.139
1/4X2.1/2	200	02120.063.063	7/16X3.1/4	50	02120.111.082	5/8X6.IN.	25	02120.158.152
1/4X2.3/4	200	02120.063.069	7/16X3.1/2	50	02120.111.088	5/8X7.IN.	25	02120.158.177
1/4X3.IN.	200	02120.063.076	7/16X4.IN.	50	02120.111.101	5/8X8.IN.	25	02120.158.203
1/4X3.1/2	100	02120.063.088	7/16X4.1/2	50	02120.111.114			
1/4X4.IN.	100	02120.063.101	7/16X5.IN.	50	02120.111.127	3/4X2.1/4	50	02120.191.057
1/4X5.IN.	100	02120.063.127	7/16X5.1/2	50	02120.111.139	3/4X2.1/2	50	02120.191.063
1/4X6.IN.	100	02120.063.152	7/16X6.IN.	50	02120.111.152	3/4X2.3/4	25	02120.191.069
						3/4X3.IN.	25	02120.191.076
5/16X1.1/4	200	02120.079.031	1/2X1.3/4	100	02120.127.044	3/4X3.1/4	25	02120.191.082
5/16X1.1/2	200	02120.079.038	1/2X2.IN.	100	02120.127.050	3/4X3.1/2	25	02120.191.088
5/16X1.3/4	200	02120.079.044	1/2X2.1/4	100	02120.127.057	3/4X3.3/4	25	02120.191.095
5/16X2.IN.	200	02120.079.050	1/2X2.1/2	100	02120.127.063	3/4X4.IN.	25	02120.191.101
5/16X2.1/4	200	02120.079.057	1/2X2.3/4	100	02120.127.069	3/4X4.1/2	25	02120.191.114
5/16X2.1/2	100	02120.079.063	1/2X3.IN.	50	02120.127.076	3/4X5.IN.	25	02120.191.127
5/16X2.3/4	100	02120.079.069	1/2X3.1/4	50	02120.127.082	3/4X5.1/2	25	02120.191.139
5/16X3.IN.	100	02120.079.076	1/2X3.1/2	50	02120.127.088	3/4X6.IN.	25	02120.191.152
5/16X3.1/4	200	02120.079.082	1/2X3.3/4	50	02120.127.095	3/4X7.IN.	25	02120.191.177
5/16X3.1/2	100	02120.079.088	1/2X4.IN.	50	02120.127.101	3/4X8.IN.	10	02120.191.203
5/16X4.IN.	100	02120.079.101	1/2X4.1/2	50	02120.127.114			
5/16X5.IN.	50	02120.079.127	1/2X5.IN.	50	02120.127.127	7/8X2.1/2	25	02120.222.063
5/16X5.1/2	50	02120.079.139	1/2X5.1/2	50	02120.127.139	7/8X3.IN.	25	02120.222.076
5/16X6.IN.	50	02120.079.152	1/2X6.IN.	50	02120.127.152	7/8X3.1/2	25	02120.222.088
			1/2X7.IN.	50	02120.127.177	7/8X4.IN.	25	02120.222.101
3/8X1.1/2	200	02120.096.038	1/2X8.IN.	50	02120.127.203	7/8X5.IN.	25	02120.222.127
3/8X1.3/4	200	02120.096.044				7/8X6.IN.	25	02120.222.152
3/8X2.IN.	200	02120.096.050	9/16X1.3/4	50	02120.142.044	7/8X7.IN.	10	02120.222.177
3/8X2.1/4	100	02120.096.057	9/16X2.IN.	50	02120.142.050	7/8X8.IN.	10	02120.222.203
3/8X2.1/2	100	02120.096.063	9/16X2.1/4	50	02120.142.057	7/8X10.IN.	10	02120.222.254
3/8X2.3/4	100	02120.096.069	9/16X2.1/2	50	02120.142.063			
3/8X3.IN.	100	02120.096.076	9/16X3.IN.	50	02120.142.076	1-14GX3.IN.	25	02120.256.076
3/8X3.1/4	100	02120.096.082	9/16X3.1/4	50	02120.142.082	1-14GX3.1/2	25	02120.256.088
3/8X3.1/2	100	02120.096.088	9/16X3.1/2	50	02120.142.088	1-14GX4.IN.	10	02120.256.101
3/8X3.3/4	100	02120.096.095	9/16X4.IN.	50	02120.142.101	1-14GX5.IN.	10	02120.256.127
3/8X4.IN.	100	02120.096.101	9/16X5.IN.	50	02120.142.127	1-14GX6.IN.	10	02120.256.152
3/8X4.1/2	50	02120.096.114				1-14GX7.IN.	10	02120.256.177
3/8X5.IN.	100	02120.096.127	5/8X2.1/4	50	02120.158.057	1-14GX8.IN.	10	02120.256.203
3/8X6.IN.	50	02120.096.152	5/8X2.1/2	50	02120.158.063	1-14GX10.IN.	10	02120.256.254
3/8X7.IN.	50	02120.096.177	5/8X2.3/4	50	02120.158.069			
			5/8X3.IN.	50	02120.158.076			
7/16X1.1/2	100	02120.111.038	5/8X3.1/4	50	02120.158.082			

51007 Hexagon head bolt UNF X15A

Thread	Unified National Fine
Material	Stainless steel A2
Packaging	Standard



d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
1/4X1.1/4	100	51007.063.031	1/4X2.1/2	50	51007.063.063	5/16X2.1/2	50	51007.079.063
1/4X1.1/2	100	51007.063.038				5/16X3.IN.	50	51007.079.076
1/4X1.3/4	50	51007.063.044	5/16X1.1/2	50	51007.079.038			
1/4X2.IN.	50	51007.063.050	5/16X1.3/4	50	51007.079.044	3/8X1.1/2	25	51007.096.038
1/4X2.1/4	50	51007.063.057	5/16X2.IN.	50	51007.079.050	3/8X1.3/4	50	51007.096.044

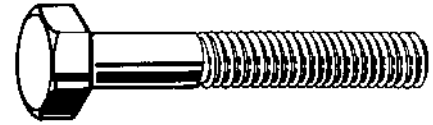
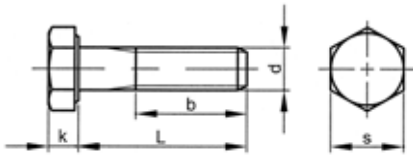
1

51007 Hexagon head bolt UNF								
d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
3/8X2.IN.	50	51007.096.050	1/2X2.IN.	25	51007.127.050	5/8X3.1/2	5	51007.158.088
3/8X2.1/2	25	51007.096.063	1/2X2.1/2	25	51007.127.063	5/8X4.IN.	5	51007.158.101
3/8X3.IN.	25	51007.096.076	1/2X3.IN.	10	51007.127.076			
			1/2X3.1/2	10	51007.127.088	3/4X2.1/2	5	51007.191.063
7/16X2.IN.	25	51007.111.050	1/2X4.IN.	10	51007.127.101	3/4X3.IN.	5	51007.191.076
7/16X2.1/2	25	51007.111.063				3/4X3.1/2	5	51007.191.088
7/16X3.IN.	25	51007.111.076	5/8X2.IN.	10	51007.158.050	3/4X4.IN.	5	51007.191.101
			5/8X2.1/2	10	51007.158.063			
1/2X1.3/4	25	51007.127.044	5/8X3.IN.	5	51007.158.076			

- Depending on availability the austenitic steel type is comparable to AISI 304 with mechanical properties acc. to ASTM F593.

Hexagon head bolt BSW

DIN ≈931 (1954)
 NEN ≈2336 (1961)



Technical data

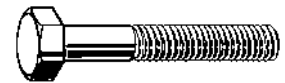
d	Threads per inch	k	s
1/4	20	5	11
5/16	18	6	14
3/8	16	7	17
7/16	14	8	19
1/2	12	9	22
5/8	11	11	27
3/4	10	13	32
7/8	9	16	36
1.IN.	8	18	41

- Whitworth thread (BSW/BSF) is not internationally recommended. It is advised to use metric (M/MF) or unified threads (UNC/UNF).
- Depending on availability the dimensions may deviate.

03400 Hexagon head bolt BSW

X03A

Thread British Standard Whitworth
Material Steel
Class 8.8
Packaging Standard

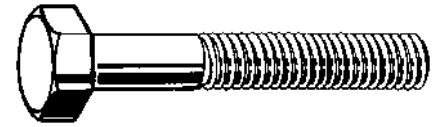
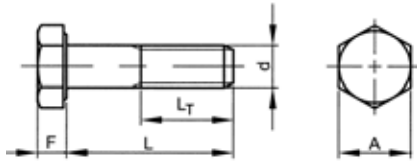


d x L/b	☒	Art.number	d x L/b	☒	Art.number	d x L/b	☒	Art.number
1/2X35/25	50	03400.127.035	5/8X60/28	25	03400.158.060	7/8X70/38	10	03400.222.070
1/2X50/25	50	03400.127.050	3/4X50/32	10	03400.191.050	1.IN.X70/40	10	03400.254.070
1/2X60/25	50	03400.127.060	3/4X60/32	10	03400.191.060	1.IN.X80/40	10	03400.254.080
1/2X70/25	50	03400.127.070	3/4X70/32	10	03400.191.070	1.IN.X100/55	10	03400.254.100
1/2X75/30	50	03400.127.075	3/4X80/32	10	03400.191.080			
1/2X80/30	50	03400.127.080	3/4X80/32	10	03400.191.080			
1/2X100/30	50	03400.127.100	3/4X100/40	10	03400.191.100			
5/8X50/28	25	03400.158.050	7/8X60/38	10	03400.222.060			

Hexagon head bolt BSF

1

BS ≈1083 (1965)



Technical data

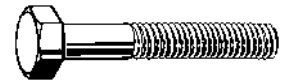
d	Threads per inch	L _T (min.)	F	A (Inch dec.)
1/4	26	13	4,6	0,445
5/16	22	16	5,5	0,525
3/8	20	19	6,6	0,6
7/16	18	22	7,7	0,71
1/2	16	25,5	8,7	0,82
9/16	16	28,5	9,5	0,92
5/8	14	32	10,6	1,01
3/4	12	38	12,7	1,2

- Whitworth thread (BSW/BSF) is not internationally recommended. It is advised to use metric (M/MF) or unified threads (UNC/UNF).
- Minimum Grade R acc. to ≈ BS 1083 (1965) corresponds much the same with property class 6.8 acc. to DIN ISO 898-1. The bolthead is marked with the symbol of property class R.

03000 Hexagon head bolt BSF

X90A

Thread British Standard Fine
Material Steel
Class ≥Grade R
Packaging Standard



d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
1/4X1.IN.	200	03000.063.025	3/8X1.1/4	100	03000.096.031	1/2X3.IN.	50	03000.127.076
1/4X2.IN.	100	03000.063.050	3/8X1.1/2	100	03000.096.038	5/8X2.IN.	25	03000.158.050
1/4X2.1/2	100	03000.063.063	3/8X1.3/4	100	03000.096.044	3/4X2.IN.	25	03000.191.050
1/4X3.IN.	100	03000.063.076	3/8X2.IN.	100	03000.096.050	3/4X2.1/2	25	03000.191.063
5/16X1.1/2	200	03000.079.038	3/8X3.IN.	100	03000.096.076	3/4X3.IN.	25	03000.191.076
5/16X1.3/4	100	03000.079.044	7/16X1.1/2	100	03000.111.038			
5/16X2.IN.	100	03000.079.050	1/2X1.1/2	50	03000.127.038			
5/16X2.1/4	100	03000.079.057	1/2X1.3/4	50	03000.127.044			
5/16X3.IN.	100	03000.079.076	1/2X2.IN.	50	03000.127.050			
			1/2X2.1/2	50	03000.127.063			