

CAP SCREWS & BOLTS

- Cap Screws
- Carriage Bolts
- Frame Bolts
- Lags
- Plow Bolts
- Step Bolts
- Serrated Flange Screws
- Tap Bolts
- Eye Bolts
- Structural Bolts
- Hanger Bolts
- Elevator Bolts
- Dowel Screws

**OVER
5,500
ITEMS**



**KANEBRIDGE
CORPORATION**

INCH (STEEL ZINC)

- Bent Anchor Bolts (Plain)
- Structural Bolts (Heavy Hex Head A325)
- Frame Bolts (Grade 8)
- Slotted Flat Cap Screws
- Elevator Bolts
- Step Bolts
- Eye Bolts (Open End)
- Eye Screws (Closed End)
- Track Bolts (Ribbed Neck)
- Hangar Bolts
- Dowel Screws
- Hanger Bolt Drivers

Hex Cap Screws

- Grade 2
- Grade 5 (Zinc)
- Grade 5 (Plain)
- Grade 8 (Zinc Yellow)
- Grade 8 (Plain)
- Grade 9 (EcoGuard™)

Carriage Bolts

- Square Neck, Round Head
 - Low Carbon
 - Grade 5
 - Grade 8, (Zinc Yellow)
 - Grade 8 (Plain)
- Square Neck, Flat Head
- Short Neck, Round Head
- Ribbed Neck, Low Carbon
- Ribbed Neck, Grade 5

Serrated Hex Flange Screws

- Case-Hardened (Steel Zinc)
- Grade 5 (Zinc)
- Grade 5 (Zinc Yellow)
- Grade 8 (Zinc)

Lag Screws

- Acoustical Eye, Gimlet Point (Plain)
- Acoustical Eye, Drill Point (Zinc)
- Hex—Full Bodied, Trim Head
- Hex—Fully Threaded
 - Indented Head
 - High Profile Indented Head
 - RED-Painted Indented Head

Tap Bolts

- Low Carbon
- Grade 5
- Grade 8 (Zinc Yellow)
- Grade 8 (Plain)

B-7 Bolts & Studs

- Heavy Hex Bolts (Plain)
- Studs, Continuous Thread (Plain)

Plow Bolts

- Grade 5 (Zinc)
- Grade 5 (Plain)
- Grade 8 (Plain)

Square Head Bolts

- Battery Bolts (Zinc)
- Machine Bolts (Plain)

INCH (MILITARY GRADE)

ASME B18.2.1BH, Alloy Steel Grade BD (Zinc Yellow)

- Coarse Thread DFAR Compliant
- Fine Thread DFAR Compliant

MS35307 Hex Cap Screws Coarse Thread

- 300-Series Stainless DFAR Compliant

MS35308 Hex Cap Screws Fine Thread

- 300-Series Stainless DFAR Compliant

MS90725 Grade 5 Hex Cap Screws

- Coarse Thread (Cadmium Yellow)

MS90726 Grade 5 Hex Cap Screws

- Fine Thread (Cadmium Yellow)

INCH (STAINLESS)

- Hex Cap Screws (18-8)
- Hex Cap Screws (316)
- Tap Bolts (18-8)
- Carriage Bolts, Square Neck (18-8)
- Carriage Bolts, Ribbed Neck (18-8)
- Lag Screws (18-8)
- Hex Flange (18-8)
- Serrated Hex Flange Screws (18-8)
- Hanger Bolts (18-8)

INCH (STEEL BLACK OXIDE)

- Hex Cap Screws (Grade-2)
- Carriage Bolts, Square Neck (Low Carbon)
- Serrated Hex Flange Screws (Case-Hardened)

INCH (STEEL ZINC BLACK)

- Carriage Bolts, Square Neck (Low Carbon)

INCH (STEEL ZINC GREEN)

- Serrated Hex Flange Screws (Case-Hardened)

INCH (STEEL GALVANIZED)

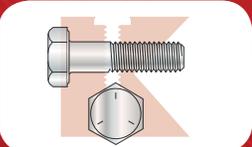
- North American-Made Structural Bolts
 - Heavy Hex Head (A325)
- Carriage Bolts, Square Neck (Low Carbon)
- Trimmed Hex Lag Screws
- Hex Flange Lag Screws
- Hex Machine Bolts (Low Carbon)
- Timber Bolts

METRIC (STEEL & STAINLESS)

- DIN 603 Carriage Bolts (A2 SS)
- DIN 603 Carriage Bolts (A4 SS)
- DIN 931 Hex Cap Screws Class 8.8 (Steel Zinc)
- DIN 933 Hex Cap Screws Class 8.8 (Steel Zinc)
- DIN 931 Hex Cap Screws Class 10.9 (Plain Steel)
- DIN 933 Hex Cap Screws Class 10.9 (Plain Steel)
- DIN 6921 Flange Screws
 - Class 10.9 (Black Phosphate)
 - Class 10.9 (Plain)
 - Class 8.8 (RoHS Zinc)
 - Class 8.8 (Plain)
 - A2 Stainless
- DIN 6921 Serrated Flange Screws
 - Class 8.8 (Zinc)
 - A2 Stainless

EASILY IDENTIFY THE COUNTRY OF ORIGIN

Whether it is a contractual requirement or just a customer's preference, knowing the location a fastener was made can be required before closing the sale. Customers can access this information for all 43,000+ items Kanebridge sells.



HEX CAP SCREW - GRADE 5
MADE IN NORTH AMERICA

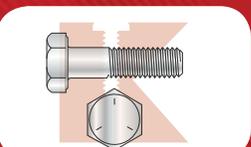
Manufactured to ASME B18.2.1 & SAE J429 specifications
Tensile Strength: 120,000 psi. (1/4 thru 1" diams, all lengths)
105,000 psi. (1 - 1/8 thru 1.5 diams, all lengths)
Coarse Thread / Steel Zinc Plated

ITEM #	ITEM SIZE	ORIGIN	CARTON QTY	UM	LBS / UM
5632CH5O	9/16-12X2	Canada	0.225	M	176.40
5636CH5O	9/16-12X2 1/4	Canada	0.200	M	193.90
5640CH5O	9/16-12X2 1/2	U.S.A.	0.175	M	211.40
5644CH5O	9/16-12X2 3/4	U.S.A.	0.150	M	228.00
5648CH5O	9/16-12X3	Canada	0.150	M	246.50
5652CH5O	9/16-12X3 1/4	U.S.A.	0.125	M	255.00
5656CH5O	9/16-12X3 1/2	U.S.A.	0.125	M	281.50
5664CH5O	9/16-12X4	Canada	0.100	M	316.50
5680CH5O	9/16-12X5	Canada	0.100	M	386.50

Item Information:

Item #: 5632CH5O | Size: 9/16-12X2

Coarse Thread Hex Cap Screw Grade 5 Zinc



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Manufactured to ASME B18.2.1 & SAE J429 specifications
Tensile Strength: 120,000 psi. (1/4 thru 1" diams, all lengths)
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Coarse Thread / Steel Zinc Plated



Origin: Canada

CARTON QTY	UM	REGULAR PRICE/UM 1 TO 4 CTNS	DISCOUNTED PRICE/UM 5 OR MORE CTNS	WEIGHT/UM
0.225	M	\$494.46	\$449.51	176.4 lbs

INCH THREAD

TIGHTENING TORQUE VALUES FOR BOLTS UNIFIED (INCH) THREAD

Diameter & Thread Pitch	Tensile Stress Area	Grade-2			Grade-5			Grade-8		
		Clamp Load	Dry Torque	Lightly Lubricated Torque	Clamp Load	Dry Torque	Lightly Lubricated Torque	Clamp Load	Dry Torque	Lightly Lubricated Torque
	Inch ²	Lbs.	Lb./Foot	Lb./Foot	Lbs.	Lb./Foot	Lb./Foot	Lbs.	Lb./Foot	Lb./Foot
1/4-20	0.0318	1313	5	4	2025	8	6	2850	12	9
1/4-28	0.0364	1500	6	5	2325	10	7	3263	14	10
5/16-18	0.0524	2175	11	8	3338	17	13	4725	25	18
5/16-24	0.0580	2400	13	9	3675	19	14	5213	27	20
3/8-16	0.0775	3188	20	15	4950	31	23	6975	44	35
3/8-24	0.0878	3600	23	17	5588	35	26	7875	49	37
7/16-14	0.1063	4388	32	24	6788	49	35	9563	70	55
7/16-20	0.1187	4913	36	27	7575	55	41	10,650	78	58
1/2-13	0.1419	5850	49	35	9038	75	55	12,788	107	80
1/2-20	0.1599	6600	55	41	10,200	85	64	14,400	120	90
9/16-12	0.1820	7500	70	55	11,588	109	80	16,388	154	110
9/16-18	0.2030	8400	79	59	12,975	122	91	18,300	172	129
5/8-11	0.2260	9300	97	75	14,400	150	110	20,325	212	170
5/8-18	0.2560	10,575	110	83	16,350	170	128	23,025	240	180
3/4-10	0.3340	13,800	173	130	21,300	266	200	30,075	376	280
3/4-16	0.3730	15,375	192	144	23,775	297	223	33,600	420	315
7/8-9	0.4620	11,400	166	125	29,438	429	320	41,588	606	460
7/8-14	0.5090	12,600	184	138	32,475	474	355	45,825	668	501
1-8	0.6060	15,000	250	190	38,625	644	480	54,525	909	680
1-12	0.6630	16,425	274	205	42,300	705	529	59,700	995	746
1 1/8-7	0.7630	18,900	354	270	42,338	794	600	68,663	1287	960
1 1/8-12	0.8650	21,150	397	297	47,475	890	668	77,025	1444	1083
1 1/4-7	0.9690	24,000	500	380	53,775	1120	840	90,000	1875	1360
1 1/4-12	1.0730	26,550	553	415	59,550	1241	930	96,600	2013	1509
1 3/8-6	1.1550	28,575	655	490	64,088	1469	1100	103,950	2382	1780
1 3/8-12	1.3150	32,550	746	559	72,975	1672	1254	118,350	2712	2034
1 1/2-6	1.4050	34,800	870	650	78,000	1950	1460	126,450	3161	2360
1 1/2-12	1.5810	39,150	979	734	87,750	2194	1645	142,275	3557	2668

The suggested tightening torque values on this page are presented only as a guide. Many factors affect what torque value is optimal in any application including: lubrication texture of surface, condition of threads, type of material, corrosion and other debris that may be present. Users are urged to test these recommendations in the actual application conditions and with a calibrated torque wrench.

METRIC THREAD

TIGHTENING TORQUE VALUES FOR BOLTS METRIC THREAD

Diameter & Thread Pitch	Tensile Stress Area mm ²	Class 8.8				Class 10.9			
		Dry Condition		Lubricated		Dry Condition		Lubricated	
		Tightening Torque	Pre-load						
		Nm	kN	Nm	kN	Nm	kN	Nm	kN
M5 x 0.8	14.2	7.0	6.5	7.4	5.2	10.3	9.5	10.8	7.6
M6 x 1	20.1	9.9	11.3	10.4	9.0	14.5	16.5	15.3	13.2
M8 x 1.25	36.6	18.1	27.3	19.1	21.6	26.6	40.1	28.0	31.8
M10 x 1.5	58.0	28.8	54	30.3	43	42.2	79	44.5	63
M12 x 1.75	84.3	41.9	93	44.1	73	61.5	137	64.8	108
M14 x 2	115	57.5	148	60.6	117	84.4	218	88.9	172
M16 x 2	157	78.8	230	82.9	180	115.7	338	121.7	264
M18 x 2.5	192	99	329	104	259	141	469	149	369
M20 x 2.5	245	127	464	134	363	181	661	190	517
M22 x 2.5	302	158	634	166	495	225	904	237	704
M24 x 3	353	183	798	192	625	260	1136	274	890
M27 x 3	459	240	1176	252	915	342	1674	359	1304
M30 x 3.5	561	292	1597	307	1246	416	2274	437	1775

This table lists **maximum permissible tightening torques and the maximum pre-load** for standard Class 8.8 and 10.9 hex head bolts. The values are based on 90% utilization of the bolt's yield strength and do not include any safety factor. Therefore **these values should be used with caution** as other factors affect what torque value is optimal in any application including: lubrication texture of surface, condition of threads, type of material, corrosion and other debris that may be present. Users are urged to test these recommendations in the actual application conditions and with a calibrated torque wrench.

KANEBRIDGE

sells ***EXCLUSIVELY***

TO DISTRIBUTORS ONLY.



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can make the same claim?



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KANEBRIDGE
CORPORATION



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Kanebridge's newest 6th edition of its Fastener Specification Guide is available from stock in all 3 of our branches. This hard cover reference volume is the most comprehensive and up-to-date collection of fastener specifications Kanebridge has ever offered. The Specification Guide can also be accessed online at www.kanebridge.com.



No Fault Return Policy

We will accept returns of full carton quantities for any reason. There is no restocking charge on items returned within 30 days, without any alterations and accompanied with a return authorization. Material returned after 30 days will be subject to a 20% restocking charge; after 90 days returns may not be accepted. We prefer returns in our original boxes and lots must not be mingled. Thru-hardened or military grade fasteners will not be accepted unless returned in the original box(es).



99% Service Level

99% of the items listed in this catalog are available from stock every day from one of our three warehouses located coast to coast: New Jersey, Illinois and California.



Traceability

Lot control is maintained on all items in our inventory.



Drop-Shipping

Kanebridge can ship orders directly to your customer with a packing list and shipping label that show you as the vendor. Combine with our Custom Label service for a simplified method of shipment.



Custom Labeling

Streamline your receiving operations by letting Kanebridge affix custom labels to each box you order. Include any information you need; part number, part description, lot number and country of origin in alphanumeric and/or bar code formats.



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