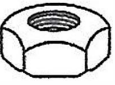
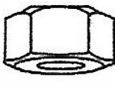
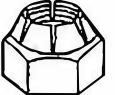
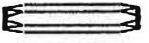
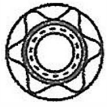
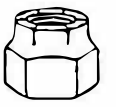
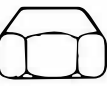
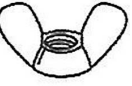
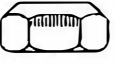
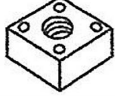
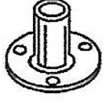
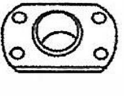


NOMINAL SIZE & THREAD/INCH & SERIES DESIGNATION

SIZE	BASIC	THREAD
0-80	0.0600	UNF
1-64	0.0730	UNC
1-72	0.0730	UNF
2-56	0.0860	UNC
2-64	0.0860	UNF
3-48	0.0990	UNC
3-56	0.0990	UNF
4-40	0.1120	UNC
4-48	0.1120	UNF
5-40	0.1250	UNC
5-44	0.1250	UNF
6-32	0.1380	UNC
6-40	0.1380	UNF
8-32	0.1640	UNC
8-36	0.1640	UNF
10-24	0.1900	UNC
10-32	0.1900	UNF
12-24	0.2160	UNC
12-28	0.2160	UNF
1/4-20	0.2500	UNC
1/4-28	0.2500	UNF
5/16-18	0.3125	UNC
5/16-24	0.3125	UNF
3/8-16	0.3750	UNC
3/8-24	0.3750	UNF
7/16-14	0.4375	UNC
7/16-20	0.4375	UNF
1/2-13	0.5000	UNC
1/2-20	0.5000	UNF
9/16-12	0.5625	UNC
9/16-18	0.5625	UNF
5/8-11	0.6250	UNC
5/8-18	0.6250	UNF
3/4-10	0.7500	UNC
3/4-16	0.7500	UNF
7/8-9	0.8750	UNC
7/8-14	0.8750	UNF
1-8	1.0000	UNC
1-12	1.0000	UNF
1-14	1.0000	UNS
1 1/8-7	1.1250	UNC
1 1/8-8	1.1250	8 Series
1 1/8-12	1.1250	UNF
1 1/4-7	1.2500	UNC
1 1/4-8	1.2500	8 Series
1 1/4-12	1.2500	UNF
1 3/8-6	1.3750	UNC
1 3/8-8	1.3750	8 Series
1 3/8-12	1.3750	UNF
1 1/2-6	1.5000	UNC
1 1/2-8	1.5000	8 Series
1 1/2-12	1.5000	UNF

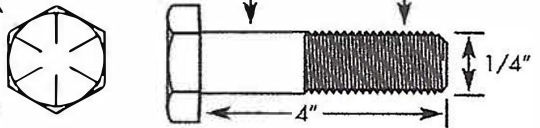
NUTS

					
Hex	Finished Hex	Metal Lock	Fiber Lock	Heavy Hex	Hex Jam
					
Coupling	Wire	NE Nylon Insert	NTE Nylon Insert	Square	Whiz Lock Flange
					
Castle	Flange	2 Way Lock	Cap/Acorn	Hex Slotted	Regular Square
					
Tee	Unitorque Lock	Strux	U Nut	Keps	Flexloc
					
Allen	2H	Wheel	Pal	Formed Wing	Forged Wing
					
Riv	Top Lock	Pallet	Weld	Barrel Weld	Slab Weld

HOW TO SPECIFY BOLTS, SOCKETS, & SCREWS

Step	Action	Example
1	Nominal Size (fraction or decimal)	1/4"
2	Threads per Inch	20
3	Product Length (fraction or decimal)	4"
4	Product Name	Hex Head Cap Screw
5	Material (including specification)	Grade 8
6	Protective Finish	Zinc & Yellow

Grade 8 (steel) Hex Head Made from Steel 20 Threads per Inch



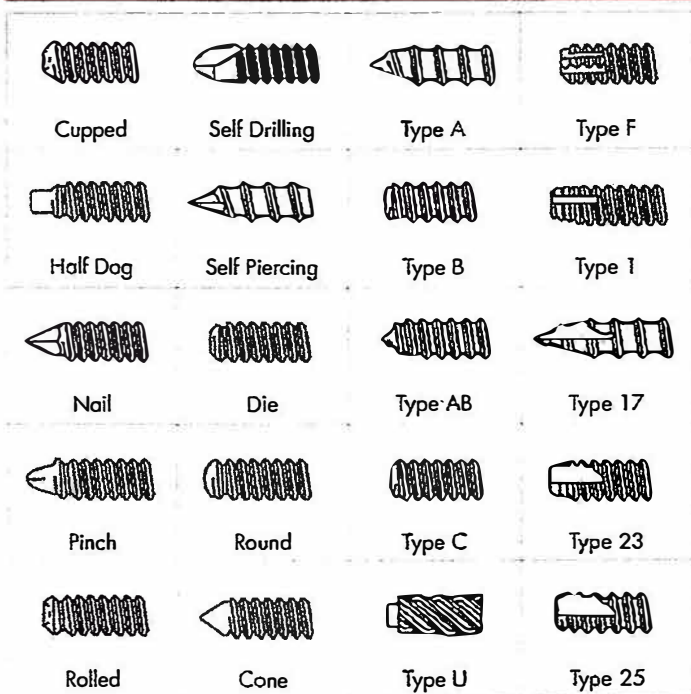
Zinc & Yellow (plated finish)

"1/4 - 20 x 4 Hex Head Cap Screw - Grade 8 with Zinc & Yellow"

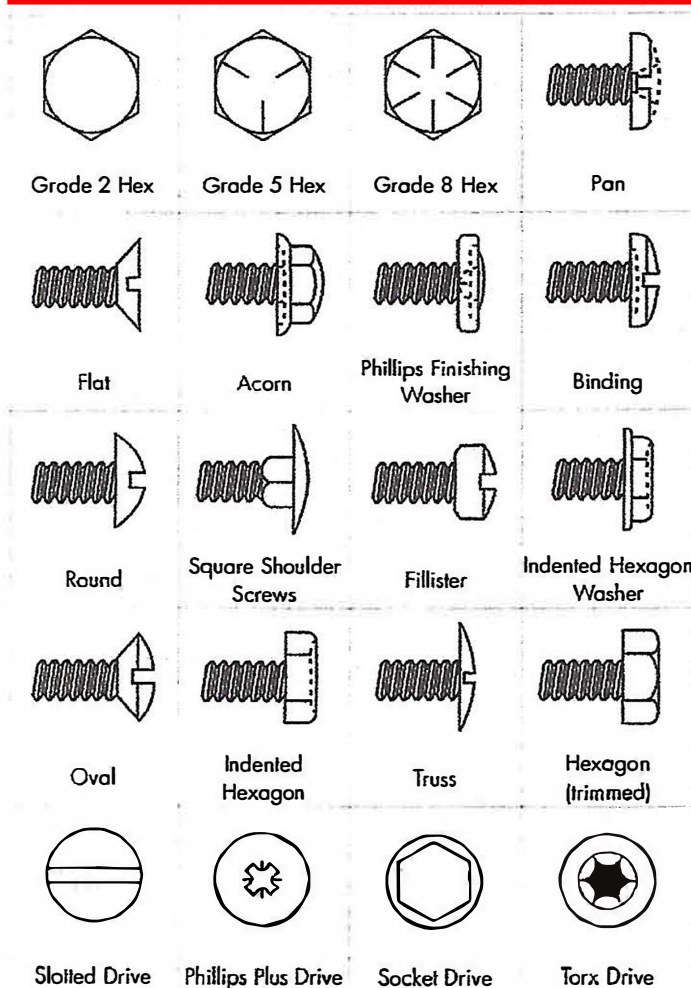
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POINTS



HEADS



CONVERSION

INCH		METRIC	INCH		METRIC
Fraction	Decimal	mm	Fraction	Decimal	mm
1/128	0.007813	0.198438	31/64	0.484375	12.303125
1/64	0.015625	0.396875	1/2	0.500000	12.700000
1/32	0.031250	0.793750	33/64	0.515625	13.096875
3/64	0.046875	1.190625	17/32	0.531250	13.493750
1/16	0.062500	1.587500	35/64	0.546875	13.890625
5/64	0.078125	1.984375	9/16	0.562500	14.287500
3/32	0.093750	2.381250	37/64	0.578125	14.684375
7/64	0.109375	2.778125	19/32	0.593750	15.081250
1/8	0.125000	3.175000	39/64	0.609375	15.478125
9/64	0.140625	3.571875	5/8	0.625000	15.875000
5/32	0.156250	3.968750	41/64	0.640625	16.271875
11/64	0.171875	4.365625	21/32	0.656250	16.668750
3/16	0.187500	4.762500	43/64	0.671875	17.065625
13/64	0.203125	5.159375	3/4	0.750000	19.050000
7/32	0.218750	5.556250	49/64	0.765625	19.446875
15/64	0.234375	5.953125	25/32	0.781250	19.837500
1/4	0.250000	6.350000	51/64	0.796875	20.240625
17/64	0.265625	6.746875	13/16	0.812500	20.637500
9/32	0.281250	7.143750	53/64	0.828125	21.034375
19/64	0.296875	7.540625	7/8	0.875000	22.225000
5/16	0.312500	7.937500	57/64	0.890625	22.621875
21/64	0.328125	8.334375	29/32	0.906250	23.018750
11/32	0.343750	8.731250	59/64	0.921875	23.415625
23/64	0.359375	9.128125	15/16	0.937500	23.812500
3/8	0.375000	9.525000	61/64	0.953125	24.209375
25/64	0.390625	9.921875	31/32	0.968750	24.606250
7/16	0.437500	11.112500	63/64	0.984375	25.003125
29/64	0.453125	11.509375	1	1.000000	25.400000
15/32	0.468750	11.906250			

PROTECTIVE FINISHES

FINISH	FINISH COLOR	CORROSION RESISTANT	SUGGESTED MATERIAL	ROHS COMP.
Black Zinc	Black	Very Good	All	No
Brass	Brass	Fair	Steel	Yes
Bronze	Varied	Fair	Steel	Yes
Cadmium	Silver Grey	Very Good	Steel	No
Copper	Copper	Fair	Steel	Yes
Iridite	Olive, Green, Black, Red, Blue, Bronze	Good	Ferrous Metals	Yes
Nickel	Silver	Very Good	Steel	Yes
Oxide (Black)	Lustre Black	Fair	All	Yes
Painted	Any	Good	All	No
Parkerized	Dull Gray, Black	Fair	Steel	Yes
Phos & Oil	Black	Very Good	Steel	Yes
Stalgard	Dull Silver	Excellent	All	Yes
Tinning (electro)	Silver, Gray	Good	Steel	Yes
Trivalent Zinc	Varied	Good	Steel	Yes
Zinc (electro-galvanized)	Gray	Good	Steel	No



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