



Standard Hex Nut, Heavy Hex Nut, Hex Coupling Nut, Nylon Lock Nut, Spring Nut, Dome Nut and Wing Nut

STANDARDS:-

ASTM/ASME/BS/DIN/BS EN ISO /JIS

MATERIAL:-

Mild Steel, Carbon Steel, Alloy Steel & Stainless Steel.

FINISH AVAILABLE :

Plain, Electro-Galvanized, Hot Dip Galvanized, Zinc Flake, Yellow, Cadmium & Nickel.

SIZE RANGE:-

M6 to M64 in metric series

1/4" to 2-1/2" in imperial

Bigger sizes can be manufactured as per order.

THREADS:-

UNC, 8UN, UNF, Metric Coarse and Metric Fine

TYPICAL GRADES & STANDARDS:-

DIN 934 Class 4, 8, 10, 12, A270, A280, A470 and A480

ASTM A194/A194M Grades 2H, 2HM, 4L, 7L and 7LM

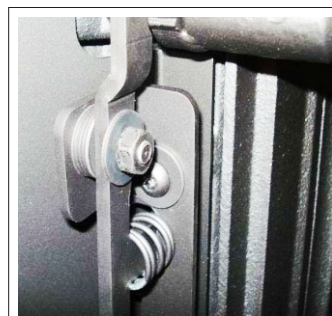
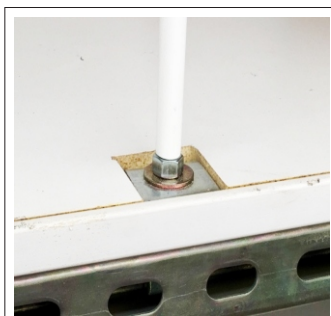
ASTM A563/563M Grades 8, 10S, A, B, C, D, DH, DH3

ORDERING INFORMATION:-

Dimensions - Size.

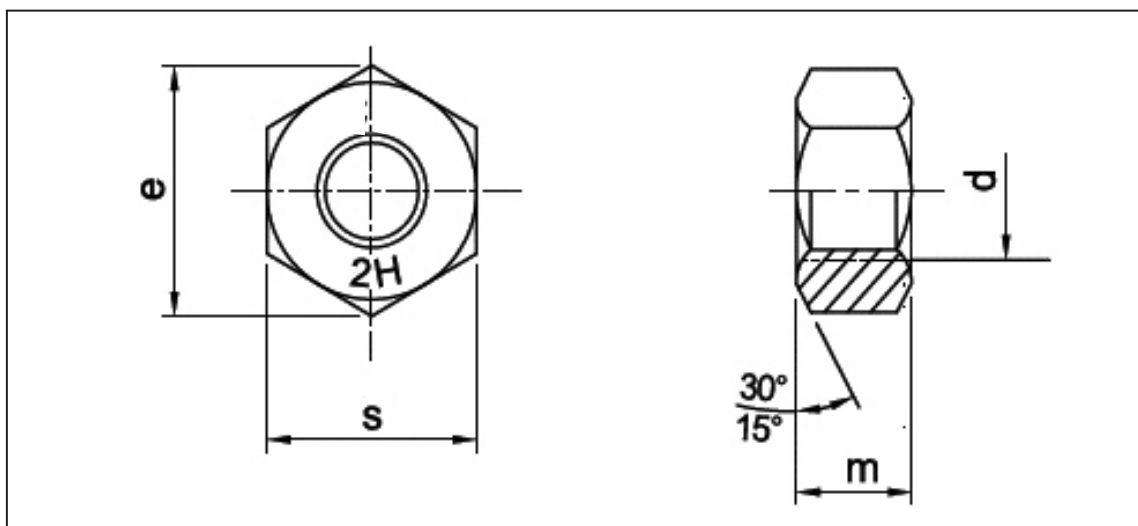
Standard and Grade

APPLICATION EXAMPLES:



HEAVY HEX NUTS TO DIN 934 (H=D)

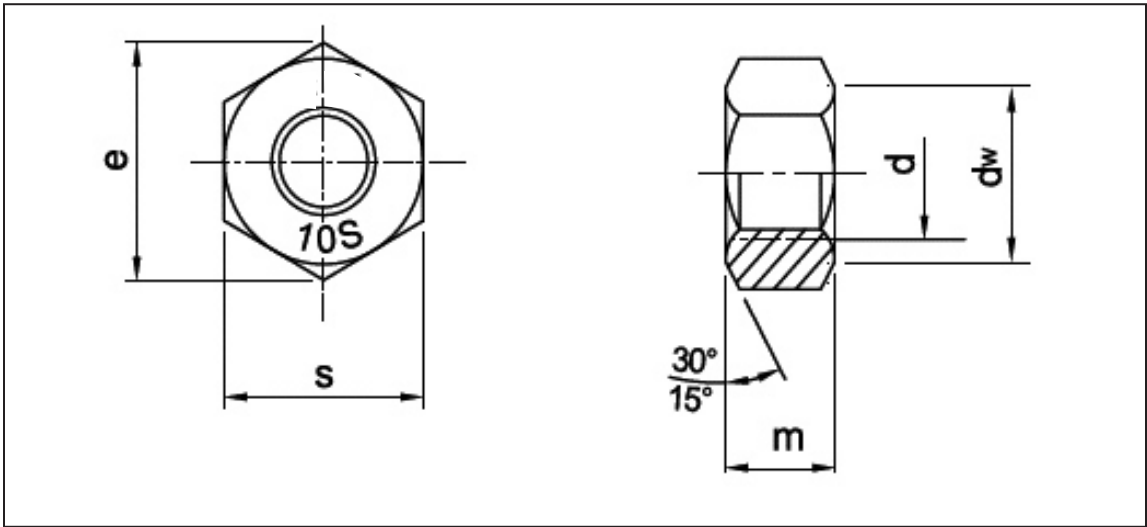
Material ASTM A194 Grade 2H/2HM/4L, 7L, 7LM



A194 HEAVY HEX BOLTS

DIA.(D)	THREAD PITCH	ACROSS FLATS AF	THICKNESS (M)	WEIGHT KG/100
M8	1.25	13	8	0.65
M10	1.5	17	10	1.45
M12	1.75	19	12	2.17
M14	2	22	14	3.13
M16	2	24	16	4.16
M18	2.5	27	18	6.20
M20	2.5	30	20	8.05
M22	2.5	32	22	9.85
M24	3	36	24	13.80
M27	3	41	27	20.65
M30	3.5	46	30	27.90
M33	3.5	50	33	36.00
M36	4.0	55	36	49.15
M39	4.0	60	39	42.75
M42	4.5	65	42	81.50
M45	4.5	70	45	100.00
M48	5.0	75	48	122.00
M52	5.0	80	52	152.50
M56	5.5	85	56	177.50
M64	6.0	95	64	247.50
M72	6.0	105	72	334.50
M76	6.0	110	76	380.00

A563M - 10S HEAVY HEX NUTS

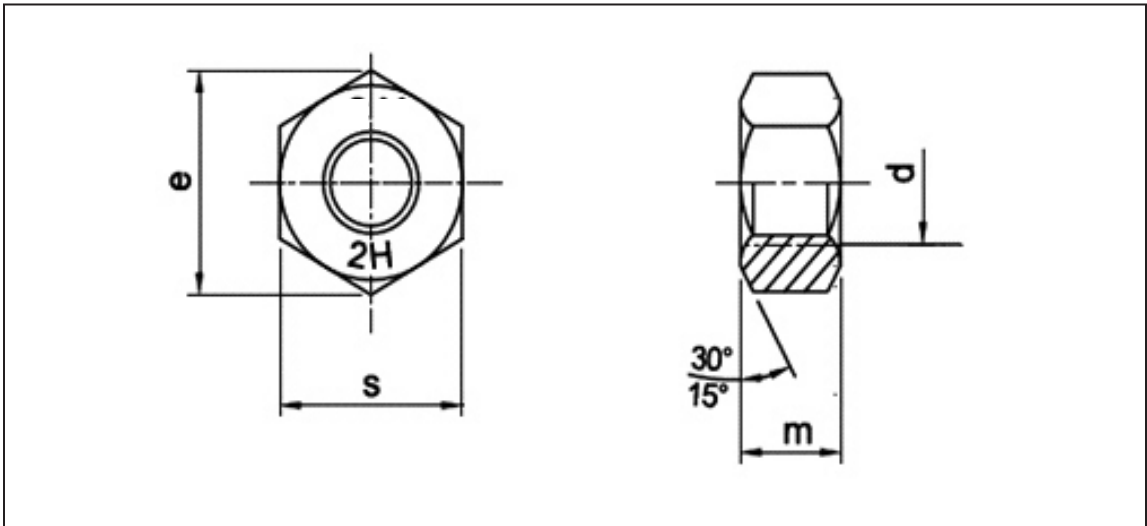


A563-10S HEAVY HEX BOLTS

Threads (d)		M12	M16	M20	M22	M24	M27	M30	M36
Across flat (s)	Min	20.16	26.16	33.00	35.00	40.00	45.00	49.00	58.80
	Max	21.00	27.00	34.00	36.00	41.00	46.00	50.00	60.00
Across corner (e)	Min	22.78	29.56	37.29	39.55	45.20	50.85	55.37	66.44
Nut Thickness (m)	Min	11.90	16.40	19.40	22.30	22.90	26.30	29.10	35.00
	Max	12.30	17.10	20.70	23.60	24.20	27.60	30.70	36.60
Bearing face Dia(dw)	Min	19.20	24.90	31.40	33.30	38.00	42.80	46.60	55.90

HEAVY HEX NUTS TO ANSI B18.2.2

Material ASTM A194 Grade 2H/2HM/4L, 7L, 7LM





A194 HEAVY HEX BOLTS

DIA.(D)	THREAD PITCH	ACROSS FLATS AF	THICKNESS(M)	WEIGHT KG/100
1/4" UNC	20	7/16"	1/4"	0.3
5/16" UNC	18	1/2"	5/16"	0.4
3/8" UNC	16	11/16"	3/8"	1.4
7/16" UNC	14	3/4"	3/16"	1.9
1/2" UNC	13	7/8"	1/2"	3.0
9/16" UNC	12	15/16"	9/6"	3.7
5/8" UNC	11	1.1/16"	5/8"	5.4
3/4" UNC	10	1.14"	3/4"	8.8
7/8" UNC	9	1.7/16"	7/8"	13.5
1" UNC	8	1.5/8"	1"	19.3
1.1/8" UNC	8	1.13/16"	1.1/8"	26.9
1.1/4" UNC	8	2"	1.1/4"	35.7
1.3/8" UNC	8	2.3/16"	1.3/8"	46.3
1.1/2" UNC	8	2.3/8"	1.1/2"	59.5
1.5/8" UNC	8	2.9/16"	1.5/8"	73.6
1.3/4" UNC	8	2.3/4"	1.3/4"	92.7
1.7/8" UNC	8	2.15/16"	1.7/8"	109.5
2" UNC	8	3.1/8"	2"	135.8
2.1/4" UNC	8	3.1/2"	2.1/4"	190.3
2.1/2" UNC	8	3.7/8"	2.1/4"	256
2.3/4" UNC	8	4.1/4"	2.3/4"	335
3" UNC	8	4.5/8"	3"	432
3.1/4" UNC	8	5"	3.1/4"	543
3.1/2" UNC	8	5.3/8"	3 1/2"	694

DIN 934 HEX NUTS



DIN 934 HEX NUTS

THREADS (D)	ACROSS FLAT (S)	ACROSS CORNER (E)	NUT THICKNESS (M)
M6	10.00	11.05	6.00
M8	13.00	14.38	6.50
M10	17.00	18.90	8.00
M12	19.00	21.10	10.00
M16	24.00	26.75	13.00
M20	30.00	32.95	16.00
M24	36.00	39.55	19.00
M27	41.00	45.20	22.00
M30	46.00	50.85	24.00
M33	50.00	55.37	26.00
M36	55.00	60.79	29.00
M39	60.00	66.44	31.00
M42	65.00	71.30	34.00
M45	70.00	76.95	36.00
M48	75.00	82.60	38.00
M52	80.00	88.25	42.00
M56	85.00	93.56	45.00
M64	95.00	104.86	51.00
M72	105.00	116.16	58.00