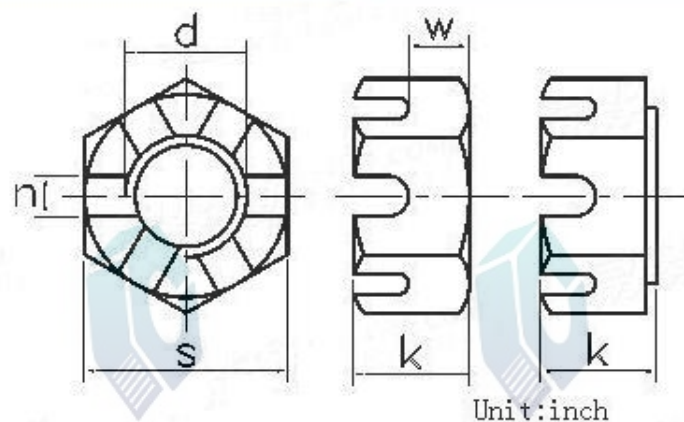


ANSI/ASME B 18.2.2

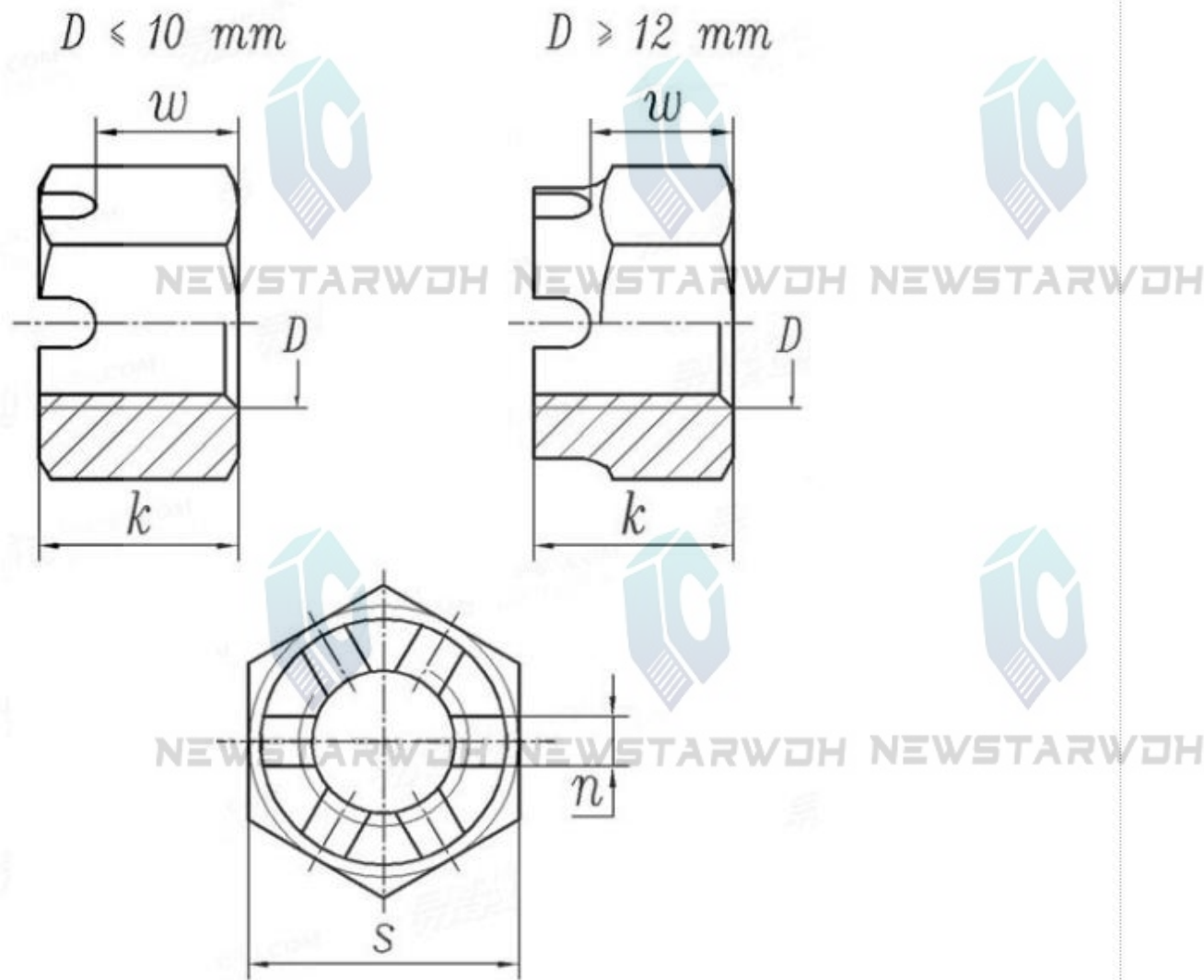


Unit:inch								
d	s		k		n		w	
	max	min	max	min	max	min	max	min
1/4	0.5	0.488	0.25	0.218	0.1	0.07	0.15	0.13
5/16	0.562	0.546	0.314	0.28	0.12	0.09	0.21	0.19
3/8	0.688	0.669	0.377	0.341	0.15	0.12	0.24	0.22
7/16	0.75	0.728	0.441	0.403	0.15	0.12	0.28	0.26
1/2	0.875	0.85	0.504	0.464	0.18	0.15	0.34	0.32
9/16	0.938	0.909	0.568	0.526	0.18	0.15	0.37	0.35
5/8	1.062	1.031	0.631	0.587	0.24	0.18	0.4	0.38
3/4	1.25	1.212	0.758	0.71	0.24	0.18	0.49	0.47
7/8	1.438	1.394	0.885	0.833	0.24	0.18	0.62	0.59
1	1.625	1.575	1.012	0.956	0.3	0.24	0.72	0.69
1-1/8	1.812	1.756	1.139	1.079	0.33	0.24	0.78	0.75
1-1/4	2	1.938	1.251	1.187	0.4	0.31	0.86	0.83
1-3/8	2.188	2.119	1.378	1.31	0.4	0.31	0.99	0.95
1-1/2	2.375	2.3	1.505	1.433	0.46	0.37	1.05	1.01
1-3/4	2.75	2.662	1.759	1.679	0.52	0.43	1.24	1.2
2	3.125	3.025	2.013	1.925	0.52	0.43	1.43	1.38
2-1/4	3.5	3.388	2.251	2.155	0.52	0.43	1.67	1.62
2-1/2	3.875	3.75	2.505	2.401	0.64	0.55	1.79	1.74
2-3/4	4.25	4.112	2.759	2.647	0.64	0.55	2.05	1.99
3	4.625	4.475	3.013	2.893	0.71	0.62	2.23	2.17
3-1/4	5	4.838	3.252	3.124	0.71	0.62	2.47	2.41
3-1/2	5.375	5.2	3.506	3.37	0.71	0.62	2.72	2.65
3-3/4	5.75	5.562	3.76	3.616	0.71	0.62	2.97	2.9
4	6.125	5.925	4.014	3.862	0.71	0.62	3.22	3.15

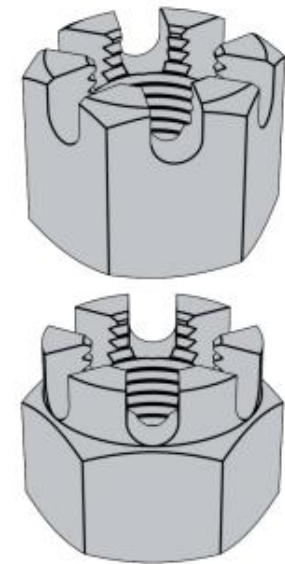
ANSI/ASME B 18.2.2 - 1987(R1999)

ANSI/ASME B 18.2.2 - 2010

ANSI/ASME B 18.2.2 - 2015



Unit: mm



Unit: mm

Thread Size D ①		M4	M5	M6	(M7)	M8	M10	M12	(M14)	M16	(M18)	M20	(M22)	M24	(M27)	M30	(M33)
P	Pitch (Coarse thread)	0.7	0.8	1	1	1.25	1.5	1.75	2	2	2.5	2.5	2.5	3	2	3.5	3.5
	Fine thread	-	-	-	-	1	1.25	1.5	1.5	2	2	2	2	2	2	2	2
	Fine thread	-	-	-	-	-	1	1.25	-	-	1.5	1.5	1.5	-	-	-	-
k	max=nominal size	5	6	7.5	8	9.5	12	15	16	19	21	22	26	27	30	33	35
	min	4.7	5.7	7.14	7.64	9.14	11.57	14.57	15.57	18.48	20.16	21.16	25.16	26.16	29.16	32	34
w	max	3.2	4	5	5.5	6.5	8	10	11	13	15	16	18	19	22	24	26
	min	2.9	3.7	4.7	5.2	6.14	7.64	9.64	10.57	12.57	14.57	15.57	17.57	18.48	21.48	23.48	25.48
n ②	max	1.45	1.65	2.25	2.25	2.75	3.05	3.8	3.8	4.8	4.8	4.8	5.8	5.8	5.8	7.36	7.36
	min	1.2	1.4	2	2	2.5	2.8	3.5	3.5	4.5	4.5	4.5	5.5	5.5	5.5	7	7
s	max=nominal size	7	8	10	11	13	17	18	21	24	27	30	34	36	41	46	50
	min	6.78	7.78	9.78	10.73	12.73	16.73	17.73	20.67	23.67	26.16	29.16	33	35	40	45	49
per 1000 units ≈ kg		1.12	2.3	3.16	3.96	7.35	-	-	-	38.9	57.5	75.2	-	131	192	264	333

Thread Size D ①		M36	(M39)	M42	(M45)	M48	(M52)	M56	(M60)	M64	(M68)	M72	(M76)	M80	(M85)	M90	M100
P	Pitch (Coarse thread)	4	4	4.5	3	5	5	5	5	6	6	-	-	-	-	-	-
	Fine thread	3	3	3	3	3	3	4	4	4	4	6	6	6	6	6	6
	Fine thread	-	-	-	-	-	-	-	-	-	-	4	4	4	4	4	4
k	max=nominal size	38	40	46	48	50	54	57	63	66	69	73	76	79	88	92	100
	min	37	39	45	47	49	52.8	55.8	61.9	64.8	67.8	71.8	74.8	77.6	86.6	90.6	98.6
w	max	29	31	34	36	38	42	45	48	51	54	58	61	64	68	72	80
	min	28.48	30.28	33.38	35.38	37.38	41.38	44.38	47.38	50.26	53.26	57.26	60.26	63.26	67.26	71.26	79.26
n ②	max	7.36	7.36	9.36	9.36	9.36	9.36	9.36	11.43	11.43	11.43	11.43	11.43	11.43	14.43	14.43	14.43
	min	7	7	9	9	9	9	9	11	11	11	11	11	11	14	14	14
s	max=nominal size	55	60	65	70	75	80	85	90	95	100	105	110	115	120	130	145
	min	53.8	58.8	63.1	68.1	73.1	78.1	82.8	87.8	92.8	97.8	102.8	107.8	112.8	117.8	127.5	142.5
per 1000 units ≈ kg		447	584	710	860	1060	1300	1500	1800	2150	2500	2900	3300	3700	4100	5450	7600

①, Product grade:

d ≤ 16mm: Class A;

d > 16mm: Class B.

②, Number of slots:

D ≤ 39 mm: 6

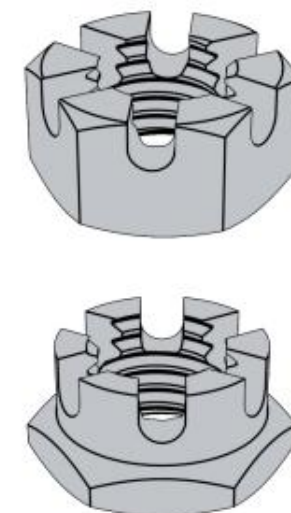
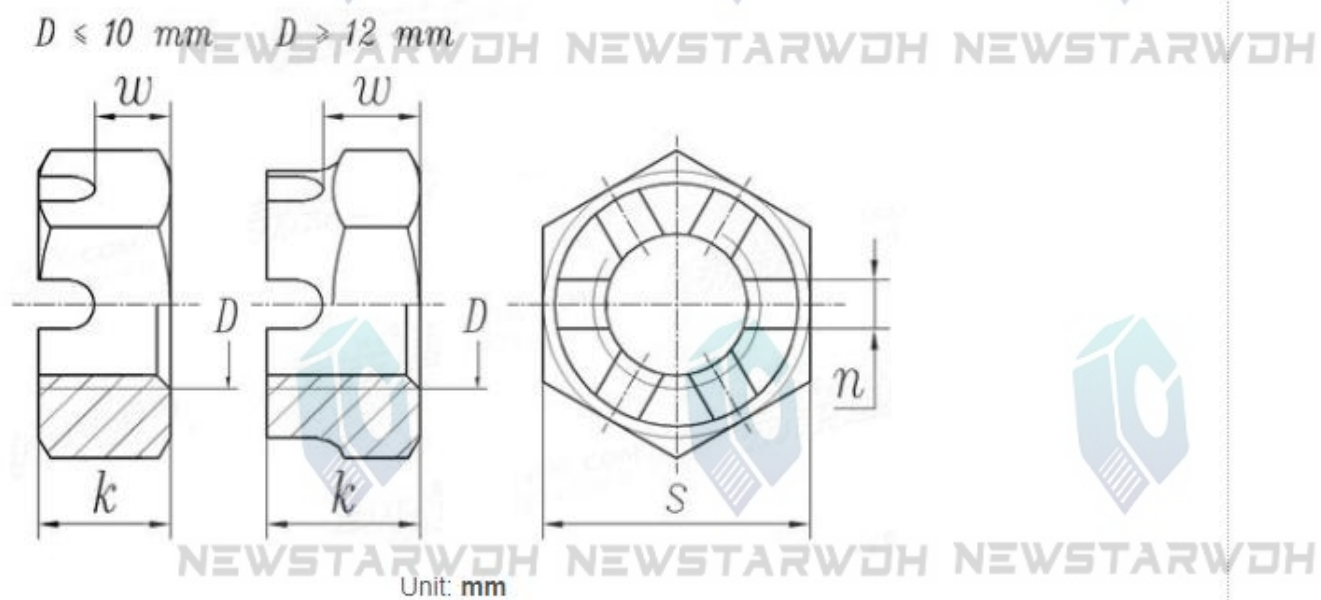
42 mm ≤ D ≤ 68 mm: 8

D ≥ 72mm: 10

DIN 935-1 - 1987

DIN 935-1 - 2013

DIN 979



DIN 979

Screw Thread d		M6	(M7)	M8	M10	M12	(M14)	M16	M18	M20	(M22)
P	Pitch (Coarse thread)	1	1	1.25	1.5	1.75	2	2	2.5	2.5	2.5
	Fine thread	-	-	1	1.25	1.5	1.5	1.5	2	2	2
	Fine thread	-	-	-	1	1.25	-	-	1.5	1.5	1.5
d_e	max	-	-	-	-	16	18	22	25	28	32
	min	-	-	-	-	15.57	17.57	21.48	24.3	27.3	31
e	min	11.05	12.12	14.38	17.77	20.03	23.35	26.75	29.56	32.95	37.29
k	max=nominal size	5	5.5	6.5	8	10	11	13	15	16	18
	min	4.7	5.2	6.14	7.64	9.64	10.57	12.57	14.3	15.3	17.3
w	max	2.5	3	3.5	4	5	6	7	9	10	10
	min	2.25	2.75	3.2	3.7	4.7	5.7	6.64	8.64	9.64	9.64
n	max	2.25	2.25	2.75	3.05	3.8	3.8	4.8	4.8	4.8	5.8
	min	2	2	2.5	2.8	3.5	3.5	4.5	4.5	4.5	5.5
s	max=nominal size	10	11	13	16	18	21	24	27	30	34
	min	9.78	10.73	12.73	15.73	17.73	20.67	23.67	26.16	29.16	33

Screw Thread d		M24	(M27)	M30	(M33)	M36	(M39)	M42	(M45)	M48	(M52)
P	Pitch (Coarse thread)	3	3	3.5	3.5	4	4	4.5	4.5	5	5
	Fine thread	2	2	2	2	3	3	3	3	3	3
	Fine thread	-	-	-	-	-	-	-	-	-	-
d _e	max	34	38	42	46	50	55	58	62	65	70
	min	33	37	41	45	49	53.8	56.8	60.8	63.8	68.8
e	min	39.55	45.2	50.85	55.37	60.79	66.44	71.3	76.95	82.6	88.25
k	max=nominal size	19	22	24	26	29	31	33	34.5	36	38
	min	18.16	21.16	23.16	25.16	28.16	30	32	33.5	35	37
w	max	11	14	15	17	20	22	22	22.5	24	26
	min	10.57	13.57	14.57	16.57	19.48	21.48	21.48	22.02	23.48	25.48
n	max	5.8	5.8	7.36	7.36	7.36	7.36	9.36	9.36	9.36	9.36
	min	5.5	5.5	7	7	7	7	9	9	9	9
s	max=nominal size	36	41	46	50	55	60	65	70	75	80
	min	35	40	45	49	53.8	58.8	63.1	68.1	73.1	78.1

DIN 979 - 1987

DIN 979 - 2013