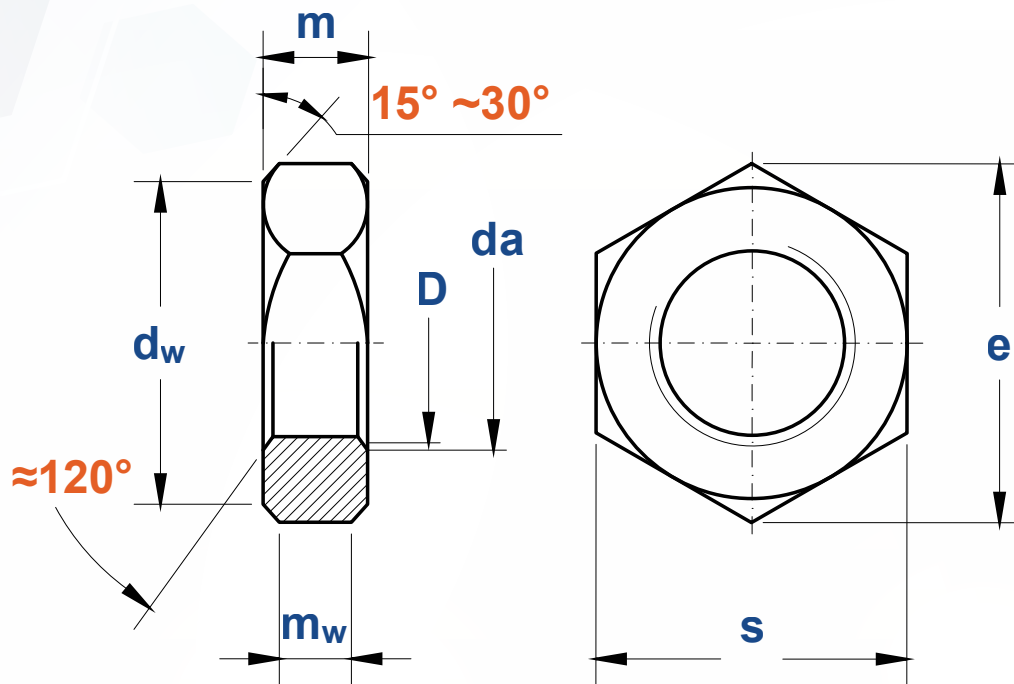
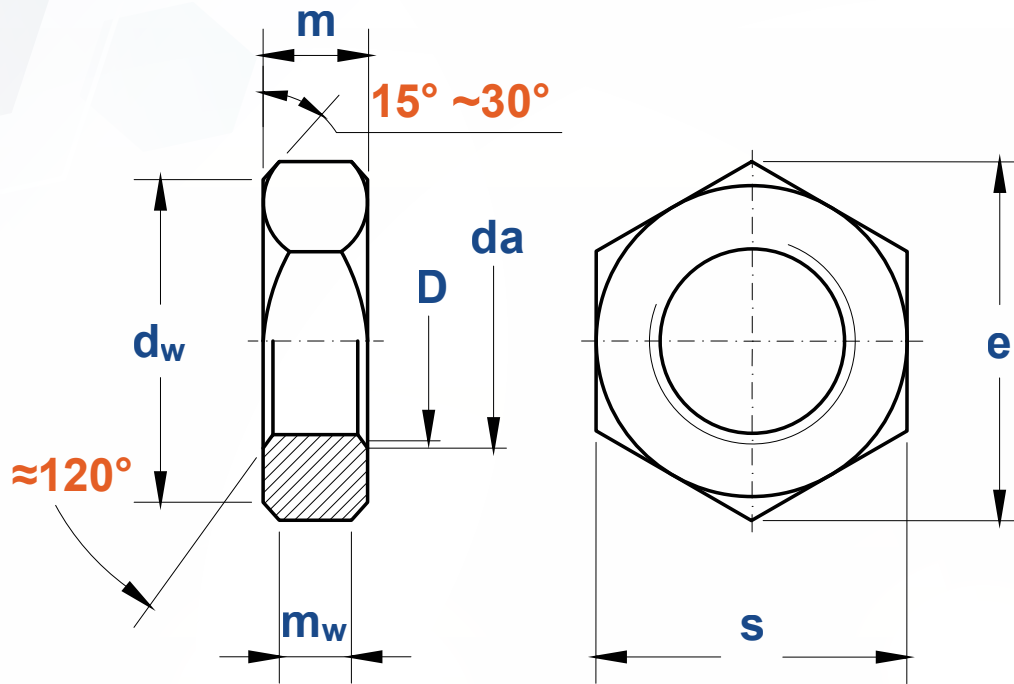




Thread Size D			M8	M10	M12	M14	M16	M18	M20	M22	M24
P	Pitch	Coarse thread	1.25	1.5	1.75	2	2	2.5	2.5	2.5	3
		Fine thread 1	1	1	1.25	1.5	1.5	1.5	1.5	1.5	1.5
		Fine thread 2	/	1.25	1.5	/	/	2	2	2	2
		Fine thread 3	/	/	/	/	/	/	/	/	/
d _a	min		8	10	12	14	16	18	20	22	24
	max		8.75	10.8	13	15.1	17.3	19.5	21.6	23.7	25.9
d _w	min		11.3	15.3	17.2	20.2	22.2	25.3	28.2	29.5	33.2
e	min		14.38	18.9	21.1	24.49	26.75	29.56	32.95	35.03	39.55
m	max=nominal size		5	6	7	8	8	9	9	10	10
	min		4.7	5.7	6.64	7.42	7.42	8.42	8.1	9.1	9.1
m _w	min		3.8	4.6	5.3	5.9	5.9	6.7	6.5	7.3	7.3
s	max=nominal size		13	17	19	22	24	27	30	32	36
	min		12.73	16.73	18.67	21.67	23.67	26.16	29.16	31	35
per 1000 units ≈ kg			4	8.6	12.1	18.2	20.1	29.6	36.3	43.8	58

①, Material:

- a) Steel, Property class: $\leq$ M18: 04,05 ; $>$ M18: 17H, 22H. Standard ISO 898-2, DIN 267-24
b) Stainless steel, Property class: $\leq$ M20: A2-70 ; M20-M39: A2-50 ; $>$ M39: subject to agreement. Standard DIN 267-11
c) Non-ferrous metal, Property class: CuZn=copper zinc alloy, CU2 or CU3, at manufacturer's discretion. Standard DIN 267-18
d) Other property classes or materials, or a particular material grade, e.g. CU3, are subject to agreement



Thread Size D			M27	M30	M33	M36	M39	M42	(M45)	M48	M52
P	Pitch	Coarse thread	3	3.5	3.5	4	4	4.5	4.5	5	5
		Fine thread 1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
		Fine thread 2	2	2	2	2	2	2	2	2	2
		Fine thread 3	/	/	/	3	3	3	3	3	3
da	min		27	30	33	36	39	42	45	48	52
	max		29.1	32.4	35.6	38.9	42.1	45.4	48.6	51.8	56.2
dw	min		38	42.7	46.6	51.1	55.9	60.6	64.7	69.4	74.2
e	min		45.20	50.85	55.37	60.79	66.44	71.30	76.95	82.60	88.25
m	max=nominal size		12	12	14	14	16	16	18	18	20
	min		10.9	10.9	12.9	12.9	14.9	14.9	16.9	16.9	18.7
mw	min		8.7	8.7	10.3	10.3	11.9	11.9	13.5	13.5	15
s	max=nominal size		41	46	50	55	60	65	70	75	80
	min		40	45	49	53.8	58.8	63.1	68.1	73.1	78.1
per 1000 units ≈ kg			90	110	155	190	260	307	400	460	580

①, Material:

a) Steel, Property class: ≤M18: 04,05 ; > M18: 17H, 22H. Standard ISO 898-2, DIN 267-24

b) Stainless steel, Property class: ≤M20: A2-70 ; M20~M39: A2-50 ; > M39: subject to agreement. Standard DIN 267-11

c) Non-ferrous metal, Property class: CuZn=copper zinc alloy, CU2 or CU3, at manufacturer's discretion. Standard DIN 267-18

d) Other property classes or materials, or a particular material grade, e.g. CU3, are subject to agreement