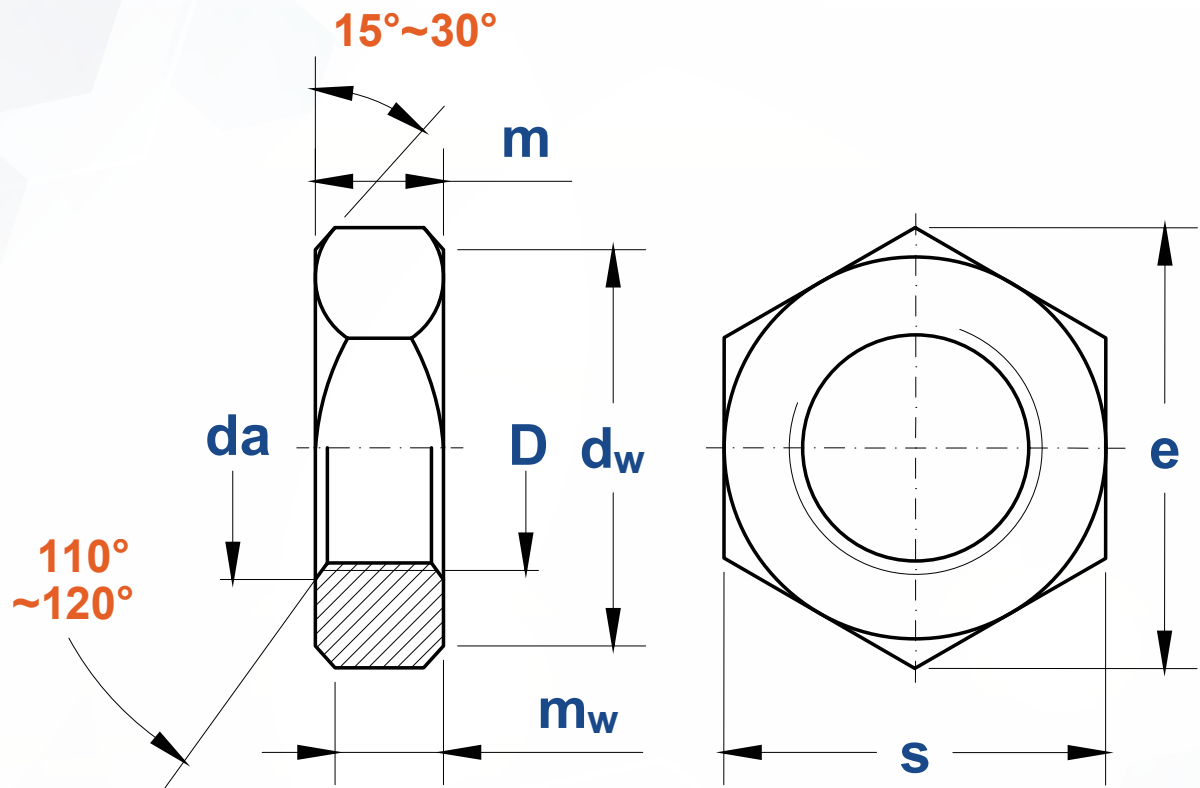
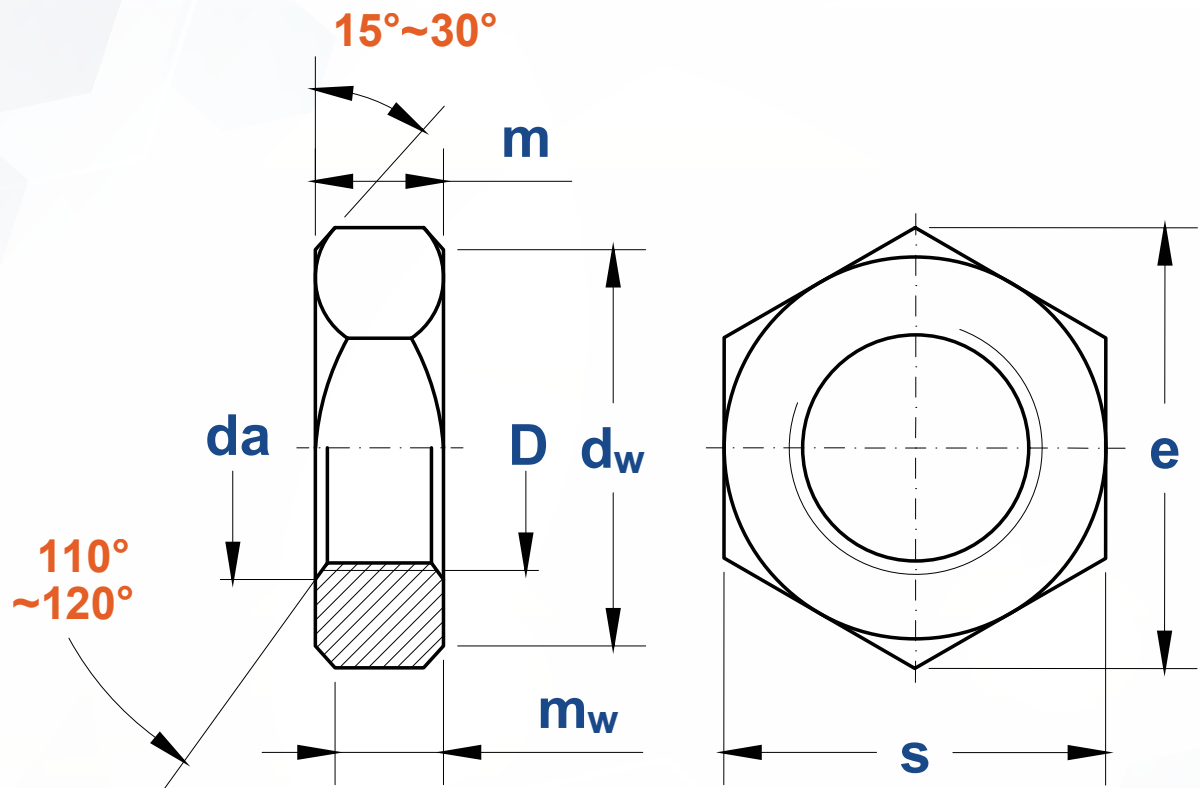




Thread Size D			M8 grade A	M10 grade A	M12 grade A	(M14) grade A	M16 grade A	(M18) grade B	M20 grade B	(M22) grade B	M24 grade B	(M27) grade B	M30 grade B
P	Pitch	Fine thread, 1	1	1.25	1.5	1.5	1.5	2	2	2	2	2	2
		Fine thread, 2	/	(1)	(1.25)	/	/	(1.5)	(1.5)	(1.5)	/	/	/
d_a	max		8.75	10.8	12.96	15.12	17.28	19.44	21.6	23.76	25.92	29.16	32.4
	min		8	10	12	14	16	18	20	22	24	27	30
d_w	min		11.63	14.63	16.63	19.64	22.49	24.85	27.7	31.35	33.25	38	42.75
e	min		14.38	17.77	20.03	23.36	26.75	29.56	32.95	37.29	39.55	45.2	50.85
m	max		4	5	6	7	8	9	10	11	12	13.5	15
	min		3.7	4.7	5.7	6.42	7.42	8.42	9.1	9.9	10.9	12.4	13.9
m_w	min		2.96	3.76	4.56	5.14	5.94	6.74	7.28	7.92	8.72	9.92	11.12
s	max=nominal size		13	16	18	21	24	27	30	34	36	41	46
	min		12.73	15.73	17.73	20.67	23.67	26.16	29.16	33	35	40	45



Thread Size D			(M33) grade B	M36 grade B	(M39) grade B	M42 grade B	(M45) grade B	M48 grade B	(M52) grade B	M56 grade B	(M60) grade B	M64 grade B
P	Pitch	Fine thread, 1	2	3	3	3	3	3	4	4	4	4
		Fine thread, 2	/	/	/	/	/	/	/	/	/	/
d_a	max		35.64	38.88	42.12	45.36	48.6	51.84	56.16	60.48	64.8	69.12
	min		33	36	39	42	45	48	52	56	60	64
d_w	min		46.55	51.11	55.86	59.95	64.7	69.45	74.2	78.66	83.41	88.16
e	min		55.37	60.79	66.44	71.3	76.95	82.6	88.25	93.56	99.21	104.86
m	max		16.5	18	19.5	21	22.5	24	26	28	30	32
	min		15.4	16.9	18.2	19.7	21.2	22.7	24.7	26.7	28.7	30.4
m_w	min		12.32	13.52	14.56	15.76	16.96	18.16	19.76	21.36	22.96	24.32
s	max=nominal size		50	55	60	65	70	75	80	85	90	95
	min		49	53.8	58.8	63.1	68.1	73.1	78.1	82.8	87.8	92.8