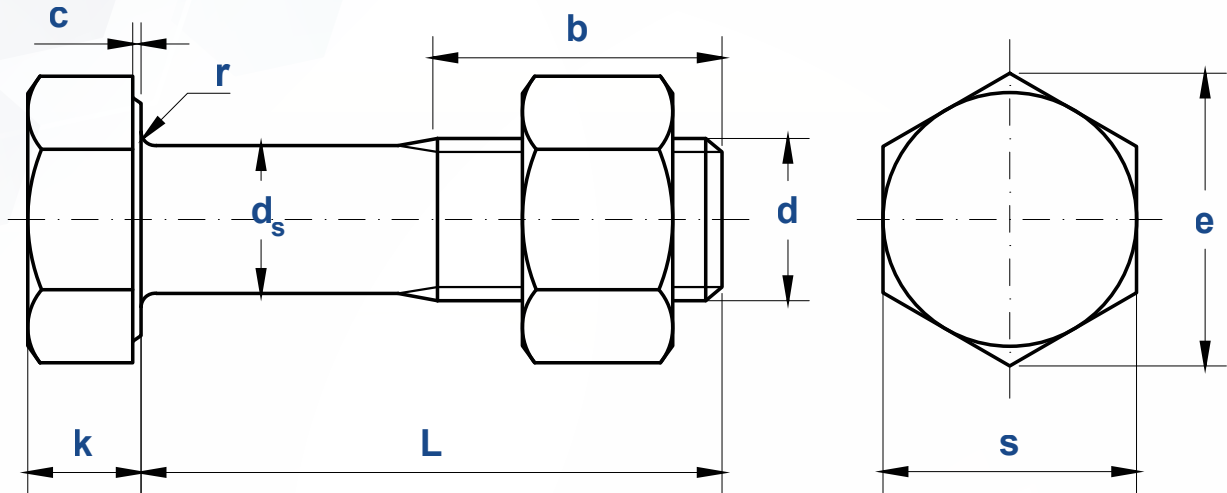




Thread Size d		M12	M16	M20	M24	M27	M30
P	Pitch	1.75	2	2.5	3	3	3.5
b		20.5	24.5	28.5	33	35.5	38.5
d_s	Nominal Size	12	16	20	24	27	30
	min	11.3	15.3	19.16	23.16	26.16	29.16
	max	12.7	16.7	20.84	24.84	27.84	30.84
e	min	19.85	26.17	32.95	39.55	45.2	50.85
k	Nominal Size	8	10	13	15	17	19
	min	7.55	9.25	12.1	14.1	16.1	17.95
	max	8.45	10.75	13.9	15.9	17.9	20.05
s	max=nominal size	18	24	30	36	41	46
	min	17.57	23.16	29.16	35	40	45
c	max	0.6	0.8	0.8	0.8	0.8	0.8
	min	0.3	0.4	0.4	0.4	0.4	0.4
r	min	0.6	0.6	0.8	0.8	1	1
per 1000 units≈kg	nut	15.3	36.5	69.3	119	170	234

②, Material:

a) Steel, Strength grade: 4.6, 5.6(bolt)/5-2(nut); bolt by standard DIN EN ISO 898-1, nut by standard DIN EN ISO 898-2, assemblies by DIN EN 15048-2