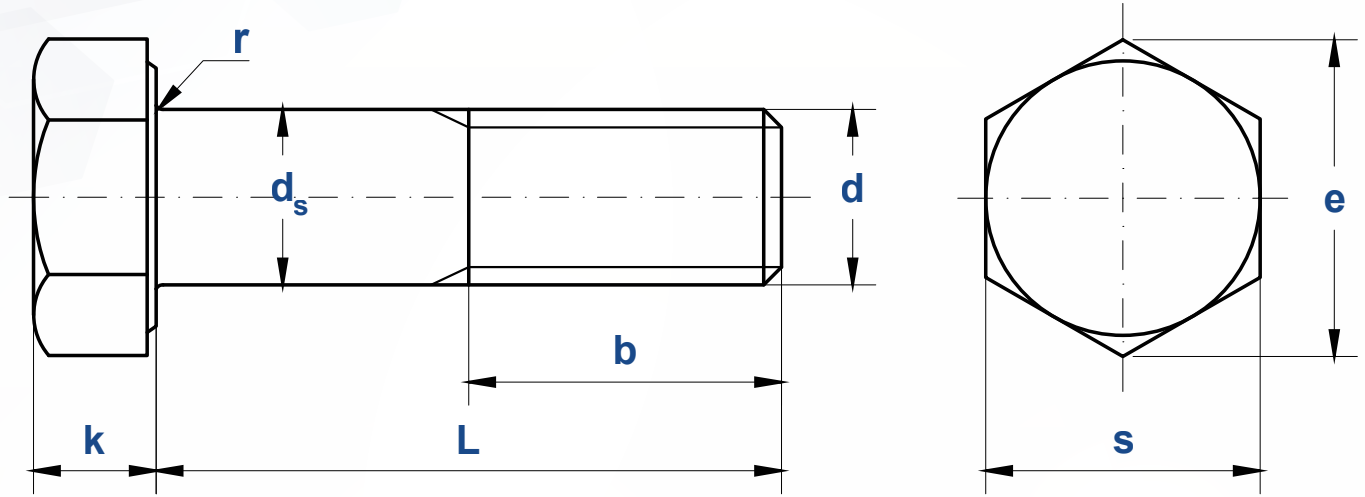




Thread Size d		M12	M16	M20	M22	M24	M27	M30	M36
P	Pitch	1.75	2	2.5	2.5	3	3	3.5	4
b	Ref.	23	28	33	34	39	41	44	52
d_s	Nominal Size	12	16	20	22	24	27	30	36
	max	12.7	16.7	20.84	22.84	24.84	27.84	30.84	37
	min	11.3	15.3	19.16	21.16	23.16	26.16	29.16	35
e	min	23.91	29.56	35.03	39.55	45.2	50.85	55.37	66.44
k	Nominal Size	8	10	13	14	15	17	19	23
	max	8.45	10.75	13.9	14.9	15.9	17.9	20.05	24.05
	min	7.55	9.25	12.1	13.1	14.1	16.1	17.95	21.95
s	max	22	27	32	36	41	46	50	60
	min	21.16	26.16	31	35	40	45	49	58.8
r	min	1.2	1.2	1.5	1.5	1.5	2	2	2

①, For coated bolts, the dimensions apply prior to coating.