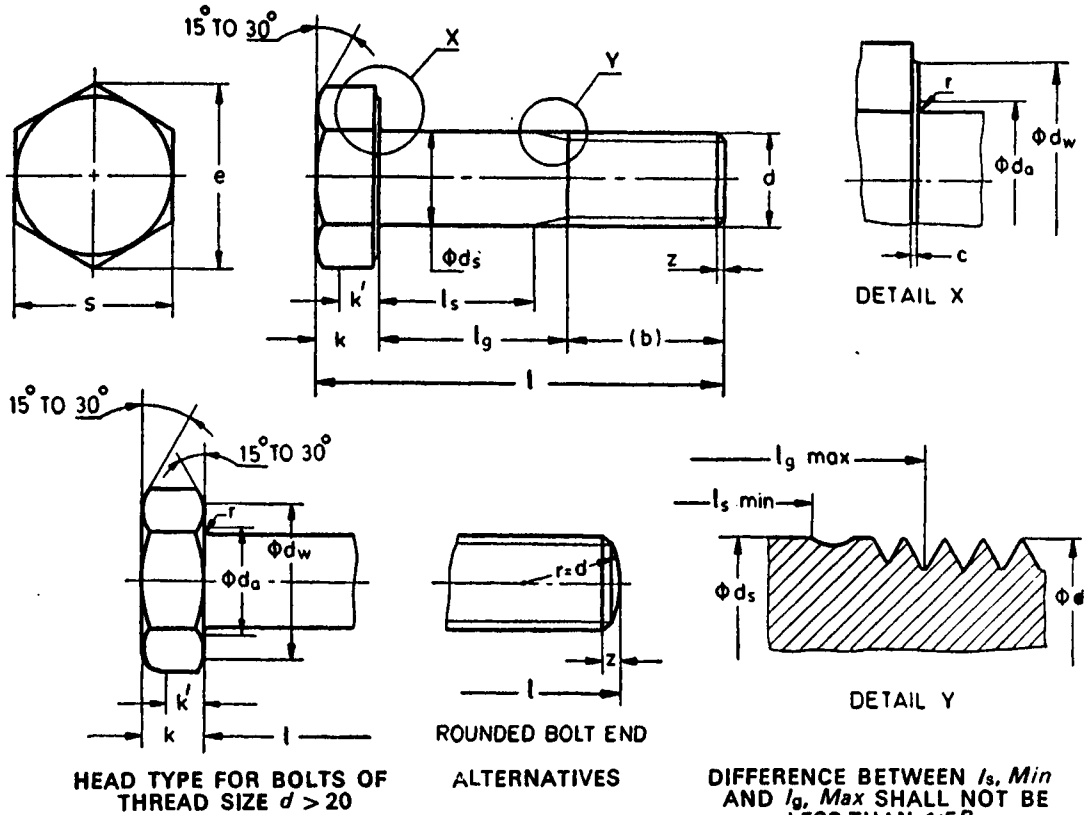


TABLE 1 DIMENSIONS FOR HIGH STRENGTH STRUCTURAL BOLTS

(Clause 2.1)

All dimensions in millimetres.



HEAD TYPE FOR BOLTS OF
THREAD SIZE $d > 20$

ALTERNATIVES

DIFFERENCE BETWEEN l_s, Min
AND l_g, Max SHALL NOT BE
LESS THAN $1.5P$

Thread Size d	M18	M20	(M22)*	M24	(M27)*	M30	M36
p Pitch of thread	2	2.5	2.5	3	3	3.5	4
l_{ref} For length l Nom ≤ 100	31	36	38	41	44	49	56
	38	43	45	48	51	56	63
c Max	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Min	0.4	0.4	0.4	0.4	0.4	0.4	0.4
d_a Max	18.7	23.24	25.24	27.64	31.24	34.24	41.00
Min	16.70	20.84	22.84	24.84	27.84	30.84	37.00
d_w Max	†	†	†	†	†	†	†
Min	24.9	31.4	33.3	38.0	42.8	46.5	55.9
e Min	29.56	37.29	39.55	45.20	50.85	55.37	66.44
k Nom	10	12.5	14	15	17	18.7	22.5
Max	10.75	13.40	14.90	15.90	17.90	19.75	23.55
Min	9.25	11.60	13.10	14.10	16.10	17.65	21.45
k' Min	6.5	8.1	9.2	9.9	11.3	12.4	15.0
r Min	0.6	0.8	0.8	1.0	1.2	1.2	1.5
s Max	27	34	36	41	46	50	60
Min	26.16	33	35	40	45	49	58.8
Chamfer length z Max	3	3.8	3.8	4.5	4.5	5.3	6

Note — Sizes shown in brackets are at second preference.

*For galvanized bolts, dimensions apply before galvanizing.

† $d_w, Max = s$ actual.