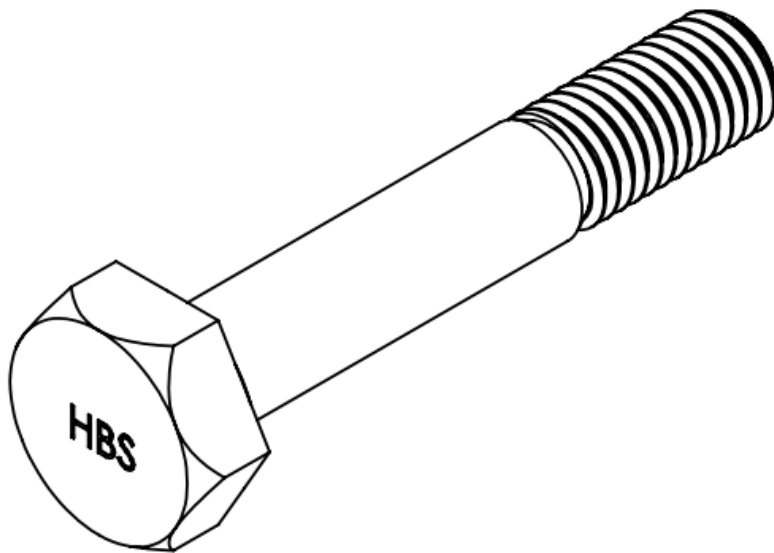
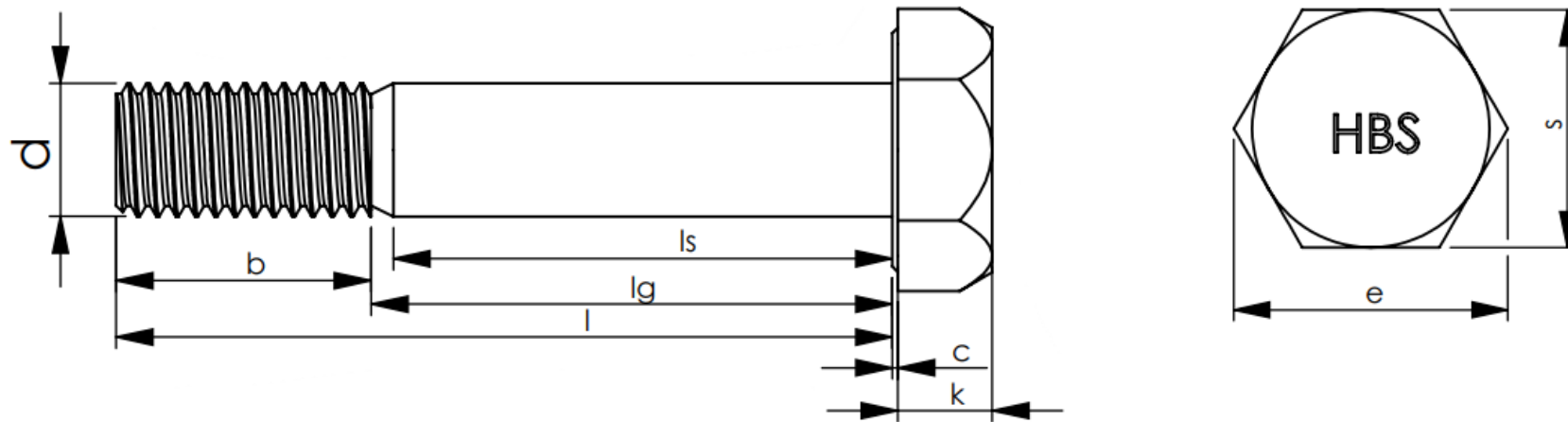


High-strength injection structural bolts

DIN 6914; ISO 7411; PN 82343; UNI 5712; EU 781;



LEGENDS

- b** : Thread Length
- l** : Bolt Length
- d** : Thread Nominal Diameter
- k** : Head Height
- e** : Width across corner
- s** : Width across flat
- c** : Collar Thickness
- l_g** : Shank to thread Length
- l_s** : Shank to thread start Length

Thread d		M12	M16	M20	M22	M24	M27	M30	M36
P		1.75	2	2.5	2.5	3	3	3.5	4
b	above tde continuous stepped line	21	26	31	32	34	37	40	48
	under tde continuous stepped line	23	28	33	34	37	39	42	50
c	Min.	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
	Max.	0.6	0.6	0.8	0.8	0.8	0.8	0.8	0.8
da	Max.	15.2	19.2	24	26	28	32	35	41
ds	Nomial size	12	16	20	22	24	27	30	36
	Min.	11.3	15.3	19.16	21.16	23.16	26.16	29.16	35
	Max.	12.7	16.7	20.84	22.84	24.84	27.84	30.84	37
dw	Min.	20	25	30	34	39	43.5	47.5	57
e	Min.	23.91	29.56	35.03	39.55	45.2	50.85	55.37	66.44
k	Nomial size	8	10	13	14	15	17	19	23
	Min.	7.55	9.25	12.1	13.1	14.1	16.1	17.95	21.95
	Max.	8.45	10.75	13.9	14.9	15.9	17.9	20.05	24.05
k'	Min.	5.28	6.47	8.47	9.17	9.87	11.27	12.56	15.36
r	Min.	1.2	1.2	1.5	1.5	1.5	2	2	2
s	Nomial size = max.	22	27	32	36	41	46	50	60
	Min.	21.16	26.16	31	35	40	45	49	58.8

Thread size d			M12		M16		M20		M22		M24		M27		M30		M36	
Nominal size	Min.	Max.	ls	lg	ls	lg	ls	lg	ls	lg	ls	lg	ls	lg	ls	lg	ls	lg
			Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
155	151	159					114.5	122	113.5	121	109	118	107	116	102.5	113	93	105
160	156	164							118.5	126	114	123	112	121	107.5	118	98	110
165	161	169							123.5	131	119	128	117	126	112.5	123	103	115
170	166	174									124	133	122	131	117.5	128	108	120
175	171	179									129	138	127	136	122.5	133	113	125
180	176	184									134	143	132	141	127.5	138	118	130
185	180.4	189.6									139	148	137	146	132.5	143	123	135
190	185.4	194.6									144	153	142	151	137.5	148	128	140
195	190.4	199.6									149	158	147	156	142.5	153	133	145
200	195.4	204.6											152	161	147.5	158	138	150