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### Dimensions of Heavy Hex Head Bolts

Thread Size		M12	M14	M16	M20	M24	M30	M36
		1.75	2	2	2.5	3	3.5	4
<b>P</b>	Pitch	12.7	14.7	16.7	20.84	24.84	30.84	37
<b>ds</b>	max	11.3	13.3	15.3	19.16	23.16	29.16	35
	min	21	24	27	34	41	50	60
<b>s</b>	max	20.16	23.16	26.16	33	40	49	58.8
	min	7.95	9.25	10.75	13.4	15.9	19.75	23.55
<b>k</b>	max	7.24	8.51	9.68	12.12	14.56	17.92	21.72
	min	30	34	38	46	54	66	78
	<b>b</b>	36	40	44	52	60	72	84
<b>da</b>	max	49	53	57	65	73	85	97
<b>e</b>	max	13.7	15.7	17.7	22.4	26.4	33.4	39.4
	min	24.25	27.71	31.18	39.26	47.34	57.74	69.28
<b>k1</b>	min	22.78	26.17	29.56	37.29	45.2	55.37	66.44
<b>R</b>	min	5.2	6.2	7	8.8	10.5	13.1	15.8
		0.6	0.6	0.6	0.8	0.8	1	1

NOTE: ALL DIMENSIONS ARE IN MM.