



**LEGENDS**

- b** : Thread Length
- l** : Bolt Length
- d** : Thread Nominal Diameter
- k** : Head Height
- e** : Circumscribed Circle Diameter
- m** : Head Width
- ds** : Shank Diameter
- n** : Head Thickness
- r1** : Radius
- r2** : Radius

Thread D	M6	M8	M10	M12	M16	M20	M24	M30	M36	M42	M48	
<b>P</b>	1	1.25	1.5	1.75	2	2.5	3	3.5	4	4.5	5	
<b>b</b>	18	22	26	30	38	46	54	66	78	-	-	
	auxiliary size	-	-	-	44	52	60	72	84	96	108	
<b>ds</b>	Nominal size	6	8	10	12	16	20	24	30	36	42	48
	max.	6.48	8.58	10.58	12.7	16.7	20.84	2.84	30.84	37	43	49
	min.	5.52	7.42	9.42	11.3	15.3	19.16	23.16	29.16	35	41	47
<b>e min.</b>	6.88	9.24	11.81	14.17	19.32	24.33	29.48	37.2	44.57	52.29	60	
<b>k</b>	Nominal size	4.5	5.5	7	8	10.5	13	15	19	23	26	30
	max.	4.9	5.9	7.5	8.75	11.4	13.9	15.9	20	24	27	31
	min.	4.1	5.1	6.5	7.25	9.6	12.1	14.1	18	22	25	29
<b>n</b>	Nominal size	6	8	10	12	16	20	24	30	36	42	48
	max.	6.6	8.75	10.75	12.9	16.9	21	25	31	37.25	43.25	49.25
	min.	5.4	7.25	9.25	11.1	15.1	19	23	29	34.75	40.75	46.75
<b>m</b>	Nominal size	16	18	21	26	30	36	43	54	66	80	88
	max.	16.9	18.9	22	27	31	37.25	44.25	55.5	67.5	81.5	89.75
	min.	15.1	17.1	20	25	29	34.75	41.75	52.5	64.5	78.5	86.25
<b>r1</b>	approx.	0.5	0.5	0.5	1	1	1	1.6	1.6	2	2	2
<b>r2</b>	max.	0.9	1.2	1.5	1.8	2.4	3	3.6	4.5	5.4	6.3	7.2