



**LEGENDS**

- l** : Bolt Length
- d** : Thread nominal diameter
- b1** : Length of Thread Stud end
- b2** : Thread Length Nut end
- u** : Thread Run

	M3	M4	M5	M6	M7	M8	M10	M12	M14	M16	M18	M20	M22	M24
Thread d	-	-	-	-	-	M8x1	M10x1.25	M12x1.25	M14x1.5	M16x1.5	M18x1.5	M20x1.5	M22x1.5	M24x2
	-	-	-	-	-	-	-	M12x1.5	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-
b1	3	4	5	6	7	8	10	12	14	16	18	20	22	24
b2 l<125mm	12	14	16	18	20	22	26	30	34	38	42	46	50	54
b2 125>l<200m	18	20	22	24	26	28	32	36	40	44	48	52	56	60
b2 l>200mm	-	-	-	-	-	-	45	49	53	57	61	65	69	73
x1	1.25	1.75	2	2.5	2.5	3.2	3.8	4.3	5	5	6.3	6	6	8
x2	0.7	0.9	1	1	1	2	1.9	2.2	3	3	3	3	3	4

l js 15	Weight (7.85 kg/dm <sup>3</sup> ) per 1000 units. in kg													
12	981													
14	<b>1.09</b>	<b>1.95</b>												
16	1	2.15	3.47											
18	<b>1.37</b>	<b>2.44</b>	<b>3.93</b>	<b>5.68</b>										
20	2	2.74	4.39	6.35	8.99									
22	<b>1.64</b>	<b>2.94</b>	<b>4.7</b>	<b>6.79</b>	<b>9.59</b>	<b>12.5</b>								
25		3.43	5.47	7.9	11.1	14.8	23.2							
28		<b>3.93</b>	<b>6.24</b>	<b>9.01</b>	<b>12.6</b>	<b>16.4</b>	<b>26.3</b>	<b>38.8</b>						
30			7.01	10.1	14.1	18.4	29.4	43.2	60					
35			<b>7.78</b>	<b>11.2</b>	<b>15.6</b>	<b>20.4</b>	<b>32.4</b>	<b>47.7</b>	<b>66</b>	<b>89.6</b>				
40				12.3	17.1	22.4	35.5	52.1	72.1	97.5	123			
45				<b>13.4</b>	<b>18.7</b>	<b>24.3</b>	<b>38.6</b>	<b>56.6</b>	<b>78.1</b>	<b>105</b>	<b>133</b>	<b>170</b>		
50					20.2	26.3	41.7	61	84.2	113	143	182	226	
55					<b>21.7</b>	<b>28.3</b>	<b>44.8</b>	<b>65.4</b>	<b>90.2</b>	<b>121</b>	<b>153</b>	<b>195</b>	<b>241</b>	<b>287</b>
60						30.3	47.9	69.9	96.3	129	163	207	256	305
65						<b>32.2</b>	<b>50.9</b>	<b>74.3</b>	<b>102</b>	<b>137</b>	<b>173</b>	<b>219</b>	<b>271</b>	<b>323</b>
70							54	78.8	108	145	183	232	286	340
75							<b>57.1</b>	<b>83.2</b>	<b>114</b>	<b>153</b>	<b>193</b>	<b>244</b>	<b>301</b>	<b>358</b>
80							60.2	87.6	120	161	203	256	316	376
85							<b>63.3</b>	<b>92.1</b>	<b>126</b>	<b>169</b>	<b>213</b>	<b>269</b>	<b>330</b>	<b>394</b>
90								101	139	184	233	293	360	429
95								<b>110</b>	<b>151</b>	<b>200</b>	<b>253</b>	<b>318</b>	<b>390</b>	<b>465</b>
100									163	216	273	342	420	500
110									<b>175</b>	<b>232</b>	<b>293</b>	<b>367</b>	<b>450</b>	<b>536</b>
120										247	313	392	480	571
130										<b>263</b>	<b>333</b>	<b>417</b>	<b>509</b>	<b>607</b>
140											353	441	539	642
150											<b>373</b>	<b>466</b>	<b>569</b>	<b>678</b>
160												491	599	713
170												<b>515</b>	<b>629</b>	<b>749</b>

Thread d	M27	M30	M33	M36	M39	M42	M45	M48	M52	-	-	-	-
	M27x2	M30x2	M33x2	M36x3	M39x3	M42x3	M45x3	M48x3	M52x3	-	-	-	-
<b>b1</b>	25	30	32	35	38	42	45	48	52	-	-	-	-
<b>b2 l&lt;125mm</b>	60	66	72	78	84	90	96	102	110	-	-	-	-
<b>b2 125&gt;l&lt;200mm</b>	66	72	78	84	90	96	102	108	116	-	-	-	-
<b>b2 l&gt;200mm</b>	79	85	91	97	103	109	115	121	129	-	-	-	-
<b>x1</b>	7.5	9	9	10	10	11	11	12.5	13	-	-	-	-
<b>x2</b>	3.8	4.5	4.5	5	5	5.5	5.5	6.3	6.3	-	-	-	-

l js 15	Weight (7.85 kg/dm <sup>3</sup> ) per 1000 units. in kg												
75	392												
80	414												
85	437	553											
90	459	580	718										
95	482	608	752										
100	504	636	785	942									
110	549	691	852	1022	1228								
120	594	747	919	1102	1322	1550	1822						
130	639	802	986	1182	1416	1659	1947	2216					
140	684	858	1054	1262	1509	1767	2072	2358	2837				
150	729	913	1121	1342	1603	1876	2197	2500	3004	-			
160	774	969	1188	1421	1697	1985	2321	2642	3170	-	-		
170	819	1024	1255	1501	1791	2094	2446	2784	3337	-	-	-	
180	864	1080	1322	1581	1884	2202	2571	2926	3504	-	-	-	-
190	909	1135	1389	1661	1978	2311	2696	3068	3671	-	-	-	-
200	953	1191	1456	1741	2072	2420	2821	3210	3837	-	-	-	-
220	1	1302	1591	1901	2259	2637	3071	3494	4171	-	-	-	-
240	1133	1413	1725	2061	2447	2855	3320	3779	4504	-	-	-	-
260	1	1524	1859	2220	2635	3072	3570	4063	4838	-	-	-	-
280	1313	1635	1994	2380	2822	3290	3820	4347	5171	-	-	-	-
300		1746	2128	2540	3010	3507	4069	4631	5504	-	-	-	-
320			2262	2700	3197	3725	4319	4915	5838	-	-	-	-
340			2396	2860	3385	3942	4569	5199	6171	-	-	-	-
360				3019	3572	4160	4819	5483	6505	-	-	-	-
380					3760	4377	5068	5767	6838	-	-	-	-
400					3947	4595	5318	6051	7172	-	-	-	-