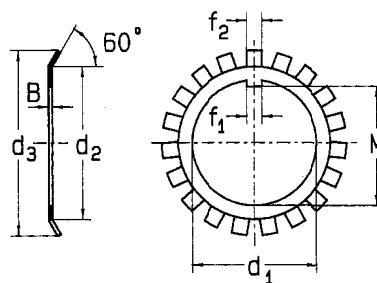


## Lockwashers

Sizes 10 mm – 200 mm

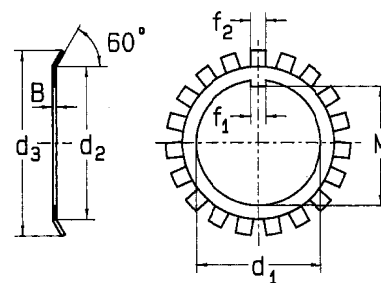


Dimensions							Lockwasher Designation	Weight
$d_1$	$d_2$	$d_3$	B	$f_1$	$f_2$	M		
mm								kg lbs
<b>10</b>	13.5	21	1	3	3	8.5	MB0	0.130 0.287
<b>12</b>	17	25	1	3	3	10.5	MB1	0.200 0.441
<b>15</b>	21	28	1	4	4	13.5	MB2	0.260 0.573
<b>17</b>	24	32	1	4	4	15.5	MB3	0.320 0.705
<b>20</b>	26	36	1	4	4	18.5	MB4	0.350 0.772
<b>25</b>	32	42	1.25	5	5	23.0	MB5	0.640 1.411
<b>30</b>	38	49	1.25	5	5	27.5	MB6	0.780 1.720
<b>35</b>	44	57	1.25	6	5	32.5	MB7	1.040 2.293
<b>40</b>	50	62	1.25	6	6	37.5	MB8	1.230 2.712
<b>45</b>	56	69	1.25	6	6	42.5	MB9	1.520 3.351
<b>50</b>	61	74	1.25	6	6	47.5	MB10	1.600 3.527
<b>55</b>	67	81	1.5	8	7	52.5	MB11	1.960 4.321
<b>60</b>	73	86	1.5	8	7	57.5	MB12	2.530 5.578
<b>65</b>	79	92	1.5	8	7	62.2	MB13	2.900 6.393
<b>70</b>	85	98	1.5	8	8	66.5	MB14	3.340 7.363
<b>75</b>	90	104	1.5	8	8	71.5	MB15	3.560 7.848
<b>80</b>	95	112	1.8	10	8	76.5	MB16	4.640 10.229
<b>85</b>	102	119	1.8	10	8	81.5	MB17	5.240 11.552
<b>90</b>	108	126	1.8	10	10	86.5	MB18	6.230 13.735
<b>95</b>	113	133	1.8	10	10	91.5	MB19	6.700 14.771
<b>100</b>	120	142	1.8	12	10	96.5	MB20	7.650 16.865

Lockwasher designations printed in bold face type are currently in our manufacturing schedule. Those shown in normal face type are made to order.

# Lockwashers

Sizes 10 mm – 200 mm



Dimensions							Lockwasher Designation	Weight
$d_1$	$d_2$	$d_3$	B	$f_1$	$f_2$	M		
mm								kg lbs
<b>105</b>	126	145	1.8	12	12	100.5	<b>MB21</b>	8.260 18.210
<b>110</b>	133	154	1.8	12	12	105.5	<b>MB22</b>	9.400 20.723
<b>115</b>	137	159	2	12	12	110.5	<b>MB23</b>	10.800 23.810
<b>120</b>	135	148	2	14	12	115	<b>MBL24</b>	7.000 15.432
	138	164	2	14	12	115	<b>MB24</b>	10.500 23.148
<b>125</b>	148	170	2	14	12	120	<b>MB25</b>	11.800 26.014
<b>130</b>	145	158	2	14	12	125	<b>MBL26</b>	8.700 19.180
	149	175	2	14	12	125	<b>MB26</b>	11.300 24.912
<b>135</b>	160	185	2	14	14	130	<b>MB27</b>	14.400 31.746
<b>140</b>	155	170	2	16	12	135	<b>MBL28</b>	10.900 24.030
	160	192	2	16	14	135	<b>MB28</b>	14.200 31.305
<b>150</b>	170	186	2	16	14	145	<b>MBL30</b>	11.300 24.912
	171	205	2	16	14	145	<b>MB30</b>	15.500 34.171
<b>160</b>	180	197	2.5	18	14	154	<b>MBL32</b>	16.200 35.715
	182	217	2.5	18	16	154	<b>MB32</b>	22.200 48.942
<b>170</b>	190	209	2.5	18	16	164	<b>MBL34</b>	17.000 37.478
	193	232	2.5	18	16	164	<b>MB34</b>	24.700 54.454
<b>180</b>	200	215	2.5	20	16	174	<b>MBL36</b>	18.000 39.683
	203	242	2.5	20	18	174	<b>MB36</b>	26.800 59.083
<b>190</b>	210	228	2.5	20	16	184	<b>MBL38</b>	20.500 45.194
	214	252	2.5	20	18	184	<b>MB38</b>	27.800 61.288
<b>200</b>	222	248	2.5	20	18	194	<b>MBL40</b>	21.400 47.178
	226	262	2.5	20	18	194	<b>MB40</b>	29.300 64.595

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