

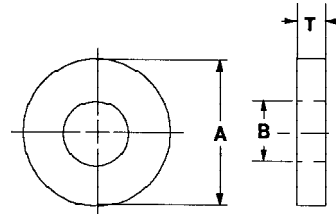
\*Available in other materials. See materials list in index.  
Other sizes available on request.

# HIGH TECHNOLOGY PLASTIC METRIC FLAT WASHERS

\*Available in the following materials:

<table border="0" style="width: 100%;"> <tr> <th style="text-align: left;">Material Code No.</th> <th style="text-align: left;">Material Name</th> </tr> <tr><td>-3</td><td>Lexan®, (clear)</td></tr> <tr><td>-4</td><td>Lexan®, (black)</td></tr> <tr><td>-5</td><td>Ultem® 1000</td></tr> <tr><td>-6</td><td>Ultem® 2300, (black)</td></tr> <tr><td>-11</td><td>Polypropylene</td></tr> <tr><td>-13</td><td>Polyethylene</td></tr> <tr><td>-14</td><td>ABS</td></tr> <tr><td>-15</td><td>PEEK®</td></tr> <tr><td>-18</td><td>Nylon 6/6, (natural)</td></tr> <tr><td>-23</td><td>Nylon Super Tough</td></tr> <tr><td>-24</td><td>Delrin®, (white)</td></tr> </table>	Material Code No.	Material Name	-3	Lexan®, (clear)	-4	Lexan®, (black)	-5	Ultem® 1000	-6	Ultem® 2300, (black)	-11	Polypropylene	-13	Polyethylene	-14	ABS	-15	PEEK®	-18	Nylon 6/6, (natural)	-23	Nylon Super Tough	-24	Delrin®, (white)	<table border="0" style="width: 100%;"> <tr> <th style="text-align: left;">Material Code No.</th> <th style="text-align: left;">Material Name</th> </tr> <tr><td>-27</td><td>PVC</td></tr> <tr><td>-28</td><td>CPVC</td></tr> <tr><td>-29</td><td>Teflon®</td></tr> <tr><td>-30</td><td>Tefzel®</td></tr> <tr><td>-32</td><td>PCTFE</td></tr> <tr><td>-33</td><td>Polysulfone</td></tr> <tr><td>-35</td><td>Noryl®</td></tr> <tr><td>-37</td><td>Kynar®, (PVDF)</td></tr> <tr><td>-38</td><td>Fiber Glass G10</td></tr> <tr><td>-39</td><td>UHMW®</td></tr> <tr><td>-40</td><td>PFA, (Teflon®)</td></tr> </table>	Material Code No.	Material Name	-27	PVC	-28	CPVC	-29	Teflon®	-30	Tefzel®	-32	PCTFE	-33	Polysulfone	-35	Noryl®	-37	Kynar®, (PVDF)	-38	Fiber Glass G10	-39	UHMW®	-40	PFA, (Teflon®)	<table border="0" style="width: 100%;"> <tr> <th style="text-align: left;">Material Code No.</th> <th style="text-align: left;">Material Name</th> </tr> <tr><td>-41</td><td>Halar®</td></tr> <tr><td>-60</td><td>Nylon 6/6, 30% Short Glass-filled</td></tr> <tr><td>-64</td><td>Delrin®, 25% Short Glass-filled</td></tr> <tr><td>-74</td><td>Isoplast™, 40% Long Glass Fiber, (natural)</td></tr> <tr><td>-77</td><td>Ultem® 2300, (natural)</td></tr> <tr><td>-78</td><td>Nylon 6/6, (black)</td></tr> <tr><td>-194</td><td>Nylon 46, 30% Glass-filled, Heat Stabilized</td></tr> </table>	Material Code No.	Material Name	-41	Halar®	-60	Nylon 6/6, 30% Short Glass-filled	-64	Delrin®, 25% Short Glass-filled	-74	Isoplast™, 40% Long Glass Fiber, (natural)	-77	Ultem® 2300, (natural)	-78	Nylon 6/6, (black)	-194	Nylon 46, 30% Glass-filled, Heat Stabilized	<table border="0" style="width: 100%;"> <tr> <th style="text-align: left;">Material Code No.</th> <th style="text-align: left;">Material Name</th> </tr> <tr><td>-195</td><td>Nylon 46, 30% Glass-filled, Flame Retardant, Heat Stabilized</td></tr> <tr><td>-213</td><td>Vespele®</td></tr> <tr><td>-218</td><td>Ryton, 40% Glass-filled, (black), (PPS)</td></tr> <tr><td>-226</td><td>Radel® A200, Polyethersulfone</td></tr> <tr><td>-228</td><td>Radel® AG330, 30% Glass-filled</td></tr> <tr><td>-229</td><td>Radel® R5000, Polyphenylsulfone</td></tr> <tr><td>-272</td><td>PVC, (white)</td></tr> <tr><td>-273</td><td>PVC, (black)</td></tr> </table>	Material Code No.	Material Name	-195	Nylon 46, 30% Glass-filled, Flame Retardant, Heat Stabilized	-213	Vespele®	-218	Ryton, 40% Glass-filled, (black), (PPS)	-226	Radel® A200, Polyethersulfone	-228	Radel® AG330, 30% Glass-filled	-229	Radel® R5000, Polyphenylsulfone	-272	PVC, (white)	-273	PVC, (black)
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ALL DIMENSIONS GIVEN IN MILLIMETERS



Part No. GA117 - (Size Code No.) - (Material Code No.)

Size Code No.	Thread Size	A	B	T	Size Code No.	Thread Size	A	B	T
-1*	M1,6	4,00	1,70	0,30	-19	M6	12,00	6,40	1,50
-2*	M1,7	4,50	1,80	0,30	-20*	M6	12,00	6,40	1,60
-3	M2	5,00	2,15	0,80	-21*	M7	14,00	7,40	1,60
-4*	M2	5,00	2,20	0,30	-22*	M8	16,00	8,40	1,60
-5*	M2,3	6,00	2,50	0,50	-23	M8	18,00	8,40	2,00
-6	M2,5	5,60	2,65	0,80	-24	M8,5	25,00	8,50	2,00
-7*	M2,5	6,00	2,70	0,50	-25*	M10	20,00	10,50	2,00
-8*	M2,6	7,00	2,80	0,50	-26	M10	22,00	10,50	2,50
-9*	M3	7,00	3,20	0,50	-27*	M12	24,00	13,00	2,50
-10	M3	8,00	3,20	0,80	-28	M12	25,00	12,00	3,00
-11*	M3,5	8,00	3,70	0,50	-29	M12	25,00	12,50	0,65
-12	M3,5	8,00	3,70	0,80	-30	M14	28,00	14,00	3,00
-13	M4	8,00	4,30	0,80	-31*	M14	28,00	15,00	2,50
-14*	M4	9,00	4,30	0,80	-32*	M16	30,00	17,00	3,00
-15	M5	8,50	5,50	2,00	-33	M16	28,00	16,00	3,00
-16*	M5	10,00	5,30	1,00	-34	M18	30,00	18,00	4,00
-17	M5	11,00	5,30	1,00	-35*	M18	34,00	19,00	3,00
-18	M6	10,00	6,00	6,00	-36*	M20	37,00	21,00	3,00

\* Denotes manufactured to DIN 125, Part 1, March 1990.

Parts are made to DIN dimensions. Materials are selected by customer.