



## Flat Washers

Provide a smooth surface under the head of a nut or bolt to prevent loosening and damage to the work surface. These round washers also minimize heat and friction during the installation of a threaded fastener.

Note: Bulk quantities of some sizes are available on Grainger.com

For Screw Size	Inside Diameter	Outside Diameter	Maximum Thickness	Item No.	Pkg. Qty.
18-8 Stainless Steel, NL-19					
#8	0.203 in	1/4 in	0.049 in	36RK70	100
#10	0.219 in	1/4 in	0.032 in	36RK73	100
#12	0.25 in	1/2 in	0.065 in	36RK74	100
1/4 in	0.281 in	1 1/2 in	0.125 in	36RK63	1
	0.281 in	3/4 in	0.045 in	36RK75	50
3/4 in	0.281 in	3/4 in	0.045 in	36RK76	100
	0.344 in	3/4 in	0.05 in	36RK80	50
1/2 in	0.344 in	3/4 in	0.05 in	36RK81	100
	0.391 in	3/4 in	0.05 in	36RK84	100
3/8 in	0.438 in	1 in	0.08 in	36RK86	25
1/8 in	0.469 in	5/8 in	0.08 in	36RK89	25
1/2 in	0.531 in	2 in	0.125 in	36RK65	1
3/8 in	0.563 in	1 1/4 in	0.062 in	36RK92	100
5/8 in	0.688 in	1 1/2 in	0.078 in	36RK94	50
3/4 in	0.813 in	1 3/4 in	0.11 in	36RK97	25
7/8 in	0.938 in	2 in	0.11 in	36RK98	25
M5	5.3 mm	10 mm	1 mm	36RL20	100
M6	6.4 mm	12 mm	1.6 mm	36RL21	100
M8	8.4 mm	16 mm	1.6 mm	36RL22	100
M10	10.5 mm	20 mm	2 mm	36RL23	100
M12	13 mm	24 mm	2.5 mm	36RL24	100
M16	17 mm	30 mm	3 mm	36RL25	25
18-8 Stainless Steel, Plain					
#4	0.125 in	3/8 in	0.031 in	19NR58	50
#6	0.156 in	3/8 in	0.065 in	19NR59	50
	0.156 in	3/8 in	0.031 in	22UF89	50
#8	0.172 in	3/8 in	0.062 in	5RU84	10
	0.188 in	1/2 in	0.065 in	19NR60	50
#10	0.203 in	1/2 in	0.093 in	1JYA9	5
	0.219 in	1/2 in	0.065 in	19NR61	50
#12	0.25 in	1/2 in	0.047 in	22UF94	50
	0.25 in	3/4 in	0.08 in	25DK29	50
1/4 in	0.281 in	3/4 in	0.063 in	22UF96	50
	0.313 in	3/4 in	0.063 in	19NR63	50
3/4 in	0.344 in	1 1/4 in	0.063 in	22UG01	50
	0.344 in	3/4 in	0.063 in	22UG03	50
1/2 in	0.375 in	3/4 in	0.063 in	22UG07	50
	0.406 in	1 1/4 in	0.063 in	22UG09	50
3/8 in	0.438 in	1 in	0.078 in	22UG13	50
	0.5 in	1 1/4 in	0.063 in	22UG17	25
7/8 in	0.5 in	1 1/4 in	0.078 in	22UG18	25
	0.531 in	1 in	0.187 in	1JY85	2
1/2 in	0.531 in	1 1/4 in	0.078 in	26WC55	25
	0.563 in	1 3/4 in	0.12 in	19NR66	25
3/4 in	0.563 in	1 1/4 in	0.078 in	22UG22	25
	0.625 in	1 1/2 in	0.094 in	22UG25	25
1/2 in	0.656 in	1 1/4 in	0.125 in	1JY86	2
	0.656 in	1 3/4 in	0.078 in	26WC56	25
3/8 in	0.656 in	1 3/4 in	0.187 in	5RY39	5
	0.688 in	1 1/2 in	0.099 in	22UG30	25
1/2 in	0.688 in	1 3/4 in	0.109 in	22UG31	25
	0.781 in	1 1/2 in	0.125 in	1JY87	1
3/4 in	0.781 in	1 1/2 in	0.132 in	22UG32	20
	0.781 in	1 3/4 in	0.132 in	22UG35	20
1/2 in	0.781 in	2 in	0.151 in	22UG36	20
	0.781 in	1 3/4 in	0.156 in	5RU67	5
3/8 in	0.781 in	1 3/4 in	0.125 in	5RY42	1
	0.781 in	1 3/4 in	0.099 in	6FDH0	20
1/2 in	0.813 in	1 1/2 in	0.219 in	5RY55	5
	0.938 in	2 in	0.132 in	22UG39	5
3/4 in	0.938 in	2 1/4 in	0.141 in	22UG40	5
	0.531 in	1 1/4 in	0.187 in	5RY36	5
1 in	1.063 in	2 1/2 in	0.165 in	1NU57	10
1 1/8 in	1.063 in	2 1/2 in	0.141 in	22UG45	5
1 1/4 in	1.156 in	2 1/4 in	0.219 in	5RU75	1
1 1/2 in	1.281 in	2 1/2 in	0.281 in	5RU77	1
M2.5	2.7 mm	6 mm	0.5 mm	22UH30	50
M3	3.2 mm	7 mm	0.5 mm	26WC30	50
M4	4.3 mm	9 mm	0.9 mm	26WC32	50
M5	5.3 mm	10 mm	1.1 mm	26WC33	50
M6	6.4 mm	12 mm	1.8 mm	26WC34	50
M7	6.4 mm	17 mm	3 mm	38EA32	100
M8	7.4 mm	14 mm	1.6 mm	26WC35	50
M8	8.4 mm	16 mm	1.8 mm	26WC36	50
M8	8.4 mm	21 mm	4 mm	38EA33	100
M10	10.5 mm	20 mm	2.2 mm	26WC37	50
	10.5 mm	25 mm	4 mm	38EA34	100
M12	13 mm	24 mm	2.7 mm	22UE59	25
	13 mm	30 mm	6 mm	38EA35	50
M14	15 mm	44 mm	3 mm	25DL29	25
M16	15 mm	28 mm	2.7 mm	6FA13	25
	M16	17 mm	30 mm	3.3 mm	26WC38
M18	19 mm	34 mm	3 mm	6FA17	10
	M18	20 mm	56 mm	4 mm	29DJ78
M20	21 mm	37 mm	3.3 mm	26WC39	5
M22	23 mm	39 mm	3 mm	25DL03	5
M24	25 mm	44 mm	4.3 mm	26WC40	5
M24	26 mm	72 mm	5 mm	25DL30	5
M36	39 mm	110 mm	8 mm	25DL32	2
M39	40 mm	72 mm	6.6 mm	29DJ74	2
M42	43 mm	78 mm	7 mm	25DL06	2



For Screw Size	Inside Diameter	Outside Diameter	Maximum Thickness	Item No.	Pkg. Qty.	
316 Stainless Steel, NL-19						
#8	0.188 in	1/4 in	0.104 in	36RL01	100	
	0.281 in	3/4 in	0.05 in	36RK66	100	
	0.313 in	3/4 in	0.16 in	36RL06	100	
1/4 in	0.344 in	1 1/4 in	0.177 in	36RL07	10	
	0.344 in	1 1/4 in	0.065 in	36RL38	50	
	0.375 in	3/4 in	0.065 in	36RL08	100	
3/4 in	0.406 in	1 3/4 in	0.065 in	36RL39	50	
	0.438 in	1 in	0.08 in	36RL11	100	
	0.5 in	1 1/4 in	0.121 in	36RL12	100	
1/2 in	0.531 in	1 1/2 in	0.098 in	36RL40	25	
	0.563 in	1 3/4 in	0.192 in	36RL14	50	
	0.531 in	1 1/2 in	0.78 in	36RK67	10	
3/4 in	0.688 in	1 3/4 in	0.192 in	36RL15	10	
	0.813 in	2 in	0.192 in	36RL17	10	
	0.813 in	1 1/2 in	0.134 in	36RL42	10	
1 in	0.938 in	2 1/4 in	0.105 in	36RL18	10	
	1.063 in	2 1/2 in	0.12 in	36RL19	10	
	M6	6.4 mm	12 mm	1.6 mm	36RL27	100
M8	8.4 mm	16 mm	1.6 mm	36RL28	100	
M10	10.5 mm	20 mm	2 mm	36RL29	100	
M12	13 mm	24 mm	2.5 mm	36RL30	25	
316 Stainless Steel, Plain						
#4	0.125 in	3/8 in	0.031 in	22UG48	50	
#8	0.156 in	3/8 in	0.039 in	22UG49	50	
	0.188 in	3/8 in	0.039 in	22UG50	50	
	0.219 in	1/2 in	0.065 in	22UE38	50	
1/4 in	0.281 in	3/4 in	0.063 in	22UG51	50	
	0.313 in	3/4 in	0.063 in	22UG52	50	
	0.344 in	1 1/4 in	0.063 in	22UG53	50	
3/4 in	0.344 in	3/4 in	0.063 in	22UG54	50	
	0.375 in	3/4 in	0.063 in	22UG55	50	
	0.375 in	3/4 in	0.078 in	22UG56	50	
1/2 in	0.375 in	3/8 in	0.05 in	36LK91	1	
	0.375 in	1 1/4 in	0.063 in	36LK99	1	
	0.406 in	1 3/4 in	0.063 in	22UG57	50	
3/4 in	0.438 in	1 in	0.078 in	22UG58	50	
	0.469 in	2 1/4 in	0.047 in	22UG59	25	
	0.5 in	1 1/4 in	0.078 in	22UG60	25	
1/2 in	0.531 in	1 1/4 in	0.078 in	22UG61	25	
	0.563 in	1 1/4 in	0.078 in	22UG62	25	
	0.625 in	1 1/2 in	0.094 in	22UG63	25	
3/4 in	0.656 in	1 3/4 in	0.078 in	22UG64	25	
	0.688 in	1 1/2 in	0.099 in	22UG65	25	
	0.688 in	1 3/4 in	0.109 in	22UG66	25	
1 in	0.781 in	1 1/2 in	0.132 in	22UG67	20	
	0.781 in	2 in	0.151 in	22UG68	20	
	1.063 in	2 in	0.132 in	22UG70	5	
1 1/4 in	1.063 in	2 1/2 in	0.17 in	22UG71	5	
	1.5 in	3 1/4 in	0.18 in	29DU16	5	
	1.625 in	3 1/2 in	0.18 in	22UE47	5	
M2.5	2.7 mm	6 mm	0.5 mm	22UE65	50	
	M3	3.2 mm	7 mm	0.5 mm	22UE66	50
	M4	4.3 mm	9 mm	0.8 mm	25DL33	50
M5	5.3 mm	10 mm	1 mm	25DL34	50	
	5.3 mm	15 mm	1.2 mm	25DL35	50	
	6.4 mm	12 mm	1.8 mm	22YG90	50	
M6	6.4 mm	18 mm	1.8 mm	25DL36	50	
	6.4 mm	16 mm	1.8 mm	22YG91	50	
	8.4 mm	24 mm	2.2 mm	25DL37	50	
M8	10.5 mm	20 mm	2.2 mm	22YG92	50	
	10.5 mm	30 mm	2.7 mm	25DL38	50	
	13 mm	37 mm	3.3 mm	25DL39	25	
M10	13 mm	24 mm	2.7 mm	6FA39	25	
	M14	15 mm	28 mm	2.5 mm	6FA41	25
	M16	17 mm	30 mm	3.3 mm	22UE69	10
M18	17 mm	50 mm	3 mm	25DL40	10	
	M18	19 mm	34 mm	3 mm	6FA45	10
	M20	21 mm	37 mm	3.3 mm	22UE70	5
M22	22 mm	60 mm	4 mm	25DL41	5	
	M22	23 mm	39 mm	3 mm	25DL08	5
	M24	25 mm	44 mm	4.3 mm	6FA49	5
Class 8.8 Steel, Zinc Plated						
M6	6.4 mm	12 mm	1.6 mm	25DK57	100	
M8	8.4 mm	16 mm	1.6 mm	25DK58	100	
	M10	10.5 mm	20 mm	2 mm	25DK59	100
	M12	13 mm	24 mm	2.5 mm	25DK60	50
M14	15 mm	28 mm	2.5 mm	25DK61	50	
	M16	17 mm	30 mm	3 mm	25DK62	25
	M20	21 mm	37 mm	3 mm	25DK64	10
M24	25 mm	44 mm	4 mm	25DK65	10	
	M27	28 mm	50 mm	4 mm	25DK66	5
	M30	31 mm	56 mm	4 mm	25DK67	5
Grade 2 Alloy Steel, Plain						
M6	6.87 mm	13 mm	2.7 mm	5YMX9	25	
M8	9.12 mm	18.8 mm	2.7 mm	5YMY0	50	
	M10	11.12 mm	20 mm	3 mm	5YMY1	25
	M12	13.57 mm	25.4 mm	3.1 mm	5YMY2	10
M16	17.52 mm	32 mm	3.1 mm	5YMY3	5	
	M20	22.32 mm	39 mm	3.1 mm	5YMY4	5

For Screw Size	Inside Diameter	Outside Diameter	Maximum Thickness	Item No.	Pkg. Qty.
Grade 2 Brass, Plain					
1/4 in	0.281 in	3/4 in	0.125 in	5RU49	5
	0.281 in	3/4 in	0.187 in	5RY24	5
5/16 in	0.344 in	3/4 in	0.187 in	5RY27	5
3/8 in	0.406 in	1 in	0.187 in	5RY30	5
	0.531 in	1 1/2 in	0.125 in	5RU60	5
1/2 in	0.531 in	1 1/2 in	0.187 in	5RY35	5
5/8 in	0.656 in	1 3/4 in	0.187 in	5RY38	5
3/4 in	0.781 in	1 3/4 in	0.156 in	5RU66	5
	0.781 in	1 3/4 in	0.125 in	5RY41	1
7/8 in	0.906 in	1 3/4 in	0.156 in	5RU69	5
1 in	1.031 in	2 in	0.187 in	5RU72	1
	1.031 in	2 in	0.281 in	5RY47	1
M3	3.2 mm	7 mm	0.5 mm	6FA51	100
M4	4.3 mm	9 mm	0.8 mm	6FA53	100
M5	5.3 mm	10 mm	1 mm	6FA55	100
M6	6.4 mm	12 mm	1.6 mm	6FA57	100
M8	8.4 mm	16 mm	1.6 mm	6FA59	50
M10	10.5 mm	20 mm	2 mm	6FA61	25
M12	13 mm	24 mm	2.5 mm	6FA63	25
M16	17 mm	30 mm	3 mm	6FA65	10
Grade 2 Nylon, Plain					
#2	0.09 in	1/4 in	0.062 in	4DAN3	40
	0.09 in	1/4 in	0.032 in	4DAN7	50
#4	0.115 in	1/4 in	0.062 in	4DAP6	40
	0.115 in	1/4 in	0.032 in	4DAP8	40
#6	0.14 in	5/16 in	0.062 in	4DAR9	40
	0.14 in	5/16 in	0.032 in	4DAR9	40
#8	0.171 in	3/8 in	0.062 in	4DRT5	40
	0.188 in	1/2 in	0.032 in	4DAU1	40
#10	0.195 in	7/16 in	0.031 in	4DAU3	40
	0.203 in	3/4 in	0.062 in	4DAU7	40
#12	0.204 in	29/64 in	0.031 in	4DAU5	40
	0.25 in	15/32 in	0.015 in	4DAU9	40
1/4 in	0.252 in	15/32 in	0.059 in	4DAV2	40
	0.26 in	11/16 in	0.06 in	4DAV4	40
5/16 in	0.34 in	47/64 in	0.062 in	4DAV8	40
	0.343 in	57/64 in	0.062 in	4DAW1	40
3/8 in	0.39 in	3/4 in	0.062 in	4DAW3	40
	0.406 in	1 in	0.062 in	4DAW5	20
1/2 in	0.443 in	3/4 in	0.062 in	4DAW7	40
	0.5 in	1 3/8 in	0.094 in	4UAU9	1
3/4 in	0.516 in	1 1/4 in	0.062 in	4DAX2	20
	0.75 in	1 3/4 in	0.125 in	4DAV1	1
1 in	0.805 in	2 in	0.062 in	4DAX4	5
	1.075 in	2 1/2 in	0.125 in	4DAX8	5
M3	3.2 mm	8 mm	0.8 mm	4DAZ2	50
M4	4.3 mm	9 mm	0.8 mm	4DAZ5	50
M5	5.3 mm	11 mm	1 mm	4DAZ8	50
M6	6.4 mm	12 mm	1.5 mm	4DCA2	50
M8	8.4 mm	18 mm	2 mm	4DCA5	50
M10	10.5 mm	22 mm	2.5 mm	4DAY2	25
Grade 2 PEEK, Plain					
#10	0.082 in	3/4 in	0.266 in	447J50	10
3/8 in	0.656 in	1 3/8 in	0.095 in	447J55	10
1 in	1.063 in	2 1/2 in	0.134 in	447J57	10
M12	12.5 mm	24 mm	2.4 mm	447J64	10
Grade 2 Phenolic Resin, Plain					
1/4 in	0.281 in	3/4 in	0.062 in	5RE82	5
5/16 in	0.328 in	3/4 in	0.062 in	5RE83	5
3/8 in	0.383 in	3/4 in	0.062 in	5RE84	5
Grade 2 Steel, Black Oxide					
#10	0.203 in	1/2 in	0.093 in	5RU89	25
1/4 in	0.281 in	3/4 in	0.125 in	5RU91	25
5/16 in	0.344 in	3/4 in	0.125 in	5RU93	25
3/8 in	0.406 in	7/8 in	0.125 in	5RU95	25
1/2 in	0.469 in	1 in	0.156 in	5RU97	10
5/8 in	0.656 in	1 1/4 in	0.125 in	5RY11	10
3/4 in	0.781 in	1 1/2 in	0.25 in	5RY13	10
7/8 in	0.906 in	1 3/4 in	0.125 in	5RY15	5
1 in	0.531 in	1 in	0.187 in	5RU99	10
1 1/4 in	1.031 in	2 in	0.312 in	5RY17	1
	1.281 in	2 1/4 in	0.312 in	5RY21	1
M6	6.4 mm	12 mm	1.6 mm	25DK70	100
M8	8.4 mm	16 mm	1.6 mm	25DK71	100
M10	10.5 mm	20 mm	2 mm	25DK72	100
M12	13 mm	24 mm	2.5 mm	25DK74	50
M14	15 mm	28 mm	2.5 mm	25DK75	50
M16	17 mm	30 mm	3 mm	25DK76	25
M20	21 mm	37 mm	3 mm	25DK78	10
M24	25 mm	44 mm	4 mm	25DK80	10
M30	31 mm	56 mm	4 mm	22UE50	5
M39	40 mm	72 mm	6 mm	25DK83	2
M45	46 mm	85 mm	7 mm	25DK84	2
Grade 2 Steel, Chrome Plated					
1/4 in	0.281 in	3/4 in	0.063 in	2JGG6	50
5/16 in	0.344 in	11/16 in	0.063 in	2JUB7	50
3/8 in	0.406 in	13/16 in	0.063 in	2FUN5	50
Grade 2 Steel, Plain					
M16	17 mm	30 mm	3 mm	2WY83	50
M18	19 mm	34 mm	3 mm	2WY84	25
M20	21 mm	37 mm	3 mm	2WY85	25
M24	25 mm	44 mm	4 mm	2WY86	25