Scan. Order. Done. Details on page A1.





Wedge Lock Washers

These two-piece washers create a wedge by locking into each other to prevent rotation in high-vibration and dynamic load environments. Have a higher clamp load than serrated lock washers and their locking function is not affected by lubrication. Teeth on one half of the washer engage with wedges on the other when tightened, utilizing tension instead of friction to secure holted joints.

friction to secure bolted joints.									
For Screw Size	Inside Diameter	iameter Diameter Thickness		Item No.	Pkg. Qty.				
316 Stainless Steel, Plain 410 0.21 in 0.35 in 0.09 in 5RUX1 200									
#10		0.35 in 0.43 in		5RUX1	200				
	0.21 in 0.28 in	0.43 in 0.45 in	0.09 in 0.09 in	5RUX3	200				
1/4 in	0.28 in		0.09 in	5RUY1	200				
	0.28 in 0.34 in	0.53 in 0.53 in	0.09 in 0.08 in	5RUY3	200				
5/16 in	0.34 in	0.65 in	0.08 in	5RUY5	200				
	0.34 III 0.41 in	0.65 in	0.08 in	5RUY7	200				
3∕8 in	0.41 in	0.83 in	0.06 iii	5RUY9	200				
7/16 in	0.41 iii	0.63 in	0.09 in	5RUZ5	200				
		0.73 III 0.77 in	0.09 in	5RVA1	200				
½ in	0.53 in 0.53 in	1 in	0.09 III 0.13 in	5RVA3	100				
%16 in	0.55 III	0.91 in	0.13 in	5URY8	100				
			0.13 iii						
5⁄8 in	0.67 in 0.67 in	1 in 1.21 in	0.12 in 0.12 in	5URZ2 5URZ4	100 100				
	0.67 III 0.79 in	1.21 in	0.12 III 0.13 in	5UTA0	100				
3/4 in									
	0.79 in 0.92 in	1.54 in 1.36 in	0.13 in 0.13 in	5UTA2 5UTA8	100 100				
7⁄8 in									
	0.92 in	1.65 in	0.13 in	5UTC0	50				
1 in	1.1 in	1.54 in	0.13 in	5UTC6	100				
	1.1 in	1.91 in	0.13 in	5UTC8	50				
1 1/8 in	1.24 in	1.85 in	0.27 in	5UTD4	50				
1 1/4 in	1.24 in	2.3 in	0.27 in	5UTD6	25				
	1.35 in	1.91 in	0.27 in	5UTD8	25				
1 % in	1.47 in	2.17 in	0.27 in	5UTE1	25				
1 ½ in	1.59 in	2.3 in	0.27 in	5UTE4	25				
1 3/4 in	1.82 in	2.76 in	0.27 in	5UTE8	1				
2 ½ in	2.64 in	3.74 in	0.35 in	5UTF8	1				
M6	6.5 mm	10.8 mm	2.2 mm	5RUX5	200				
	6.5 mm	13.5 mm	2 mm	5RUX7	200				
M10	10.7 mm	16.6 mm	2 mm	5RUZ1	200				
	10.7 mm	21 mm	2 mm	5RUZ3	200				
M12	13 mm	19.5 mm	2 mm	5RUZ7	200				
	13 mm	25.4 mm	3 mm	5RUZ9	100				
M20	21.4 mm	30.7 mm	3 mm	5UTA4	100				
M42	21.4 mm	39 mm	3.2 mm	5UTA6	100				
	43.2 mm	63 mm	6.8 mm	5UTE6	25				
M60	63.1 mm	90 mm	9 mm	5UTF6	1				
M72	75.1 mm	105 mm	9 mm	5UTG2	1				
M80	83.1 mm	115 mm	9 mm	5UTG6	1				
	ainless Ste		0.00 in	100400	10				
#6	0.15 in	0.3 in	0.09 in	12W486	10				
#8	0.17 in	0.3 in	0.09 in	12W488	10				
	0.17 in	0.35 in	0.09 in	12W489	10				
#10	0.21 in	0.35 in	0.09 in	12W490	10				
	0.21 in	0.43 in	0.09 in	12W491	10				

For Screw Size	Inside Diameter		Thickness	Item No.	Pkg. Qty.	For Screw Size	Inside Diameter		Thickness	Item No.	Pkg. Qty.
1/4 in	0.262 in	0.495 in	0.101 in	36RL80	200		1.24 in	1.85 in	0.23 in 0.26 in	12W477 12W478	_1
5/16 in	0.28 in 0.34 in	0.45 in 0.53 in	0.09 in 0.08 in	12W494 12W496	10 10	1 1/8 in	1.24 in	2.3 in 1.85 in	0.26 III 0.13 in	5UTD5	1 50
	0.34 III 0.409 in	0.705 in	0.06 III	36RI 82	200		1.24 III 1.24 in	2.3 in	0.13 III	5UTD3	25
3∕8 in	0.409 in 0.41 in 0.45 in 0.45 in	0.65 in 0.73 in 0.88 in 0.937 in	0.135 in 0.08 in	36RL82 12W498 12W503	200 10		1.24 in 1.24 in 1.24 in 1.35 in 1.35 in 1.35 in	2.3 in 1.91 in	0.26 in 0.23 in 0.26 in 0.26 in 0.26 in	5UTD7 12W479	- 1
7∕16 in	0.45 in	0.73 in	0.09 in 0.135 in 0.136 in	12W503	6	1 1/4 in	1.35 in	2.3 in	0.26 in	12W480	1
216 III	0.45 in	0.88 in	0.135 in	36RL83	200	1 74 111	1.35 in	1.91 in	0.26 in	5UTD9	25 25
47.	U.51 III	0.937 in	0.136 in	36RL84	100		1.35 in	2.3 in	0.26 in	5UTE0	25
1/2 in	0.53 in 0.53 in	0.77 in 1 in	0.08 In	13K477 13K478	6 4	1 % in	1.47 in 1.47 in	2.48 in 2.17 in	U.ZD III	12W482 5UTE2	1
9/16 in	0.55 III	1.21 in	0.08 in 0.13 in 0.13 in	13K480	3	1 78 111	1.47 in	2.48 in	0.26 in 0.26 in	5UTE3	25 25
7.0.111	0.651 in	10.247 in	0.134 in	36RL86	100	4.17.5-	1.59 in	2 3 in	0.26 in	12W483	1
5⁄8 in	0.67 in	1 in	0.12 in	13K481	4	1 ½ in	1.59 in	2.3 in 2.76 in 3.15 in	0.26 in 0.28 in	5UTE5	25
	0.67 in	1.21 in	0.1 in 0.13 in	13K482	3	1 3/4 in	1.82 in	2.76 in	0.28 in	5UTE9	1
3/4 in	0.79 in	1.21 in 1.21 in 1.54 in 1.54 in	0.13 in	13K485 13K486 13K493	3	2 in 2 ½ in 3 in	2.11 in	3.15 In	0.28 in 0.28 in 0.37 in	5UTF3	1
	0.79 in 1.1 in	1.54 III 1.54 in	0.13 in 0.13 in 0.13 in	13K400	2	2 72 III 3 in	2.64 in 3.11 in	3.74 in 4.33 in	0.20 III 0.37 in	5UTF9 5UTG5	+
1 in	1.1 in	1.91 in	0.13 in	13K494	1	0 111	0.26 in	0.43 in	0.07 in	12W444	20
1 1/8 in	1.24 in 1.35 in	1.85 in	0.22 in 0.22 in	13K497	1	M6	0.26 in	0.53 in	0.1 in	12W445	20
1 1/4 in	1.35 in	1.91 in	0.22 in	13K499	1	IVIO	6.5 mm	10.8 mm	1.8 mm	5RUX6	20 200 200 20 10
6 mm	6.66 mm	12.6 mm	2.56 mm	36RL91	200		6.5 mm	13.5 mm	2.5 mm	5RUX8	200
12 mm	12.95 mm 0.26 in	23.8 mm 0.43 in	3.45 mm 0.09 in	36RL95 12W492	100 10		0.42 in 0.42 in	0.65 in 0.83 in	0.1 in 0.1 in	12W452 12W453	20
M6	0.26 in	0.43 in	0.09 in	12W492	10	M10	10.7 mm	16.6 mm	2.5 mm	5RUZ2	200
MATO	0.42 in	0.65 in	0.08 in	12W501	10		10.7 mm	21 mm	2.5 mm	5RU74	200 10 8 200
M10	0.42 in	0.65 in 0.83 in 0.77 in	0 08 in	12W502 12W504	6		10.7 mm 0.51 in 0.51 in	21 mm 0.77 in	0.1 in 0.13 in	12W455 12W456	10
M12	0.51 in	0.77 in	0.08 in	12W504	6	M12	0.51 in	1 in	0.13 in	12W456	8
	0.42 in 0.42 in 0.42 in 0.51 in 0.51 in 0.84 in	1 in	0.08 in 0.12 in 0.12 in	12W505 13K487	4	WITE	13 mm 13 mm	19.5 mm 25.4 mm	2.5 mm 3.4 mm	5RUZ8	200
M20 Grade 2 St	teel, Delta	1.21 in	0.12 111	138407	3		0.84 in	1.21 in	0.13 in	5RVA0 12W467	100
	0 13 in	0.28 in	0.07 in	12W437	20	M20	0.84 in	1.54 in	0.13 in	12W468	4 2 100
#5	0.13 in 0.13 in	0.28 in 0.28 in	0.07 in	5RUW2	200	IVILO	21.4 mm	30.7 mm	3.4 mm	5UTA5	100
#8	0.17 in	0.3 in	0.07 in	12W440	20	M115	118.4 mm	165 mm	9.5 mm	5UTH2	1
π0	0.17 in	0.35 in	0.07 in	5RUX0	200 20	M120 M125	123.4 mm	170 mm	9.5 mm	5UTH3	_1_
#10	0.21 in	0.35 in	0.07 in	12W442	20	M125	128.4 mm	173 mm	9.5 mm	5UTH4	1
#10	0.21 III	0.35 in	0.07 in	5DIIVA	200	M18	0.77 in	1.14 in	0.13 in 0.13 in	12W463	4
	0.21 in 0.21 in 0.28 in 0.28 in 0.28 in	0.43 in 0.45 in	0.07 in 0.07 in	5RUX2 5RUX4 12W446 12W447	200 20	IVITO	0.77 in 0.77 in 19.5 mm 1 in	1.36 in 29 mm	3.4 mm	12W464 5URZ7	2 100
1/- in	0.28 in	0.53 in	0.1 in 0.07 in	12W447	20		1 in	1.54 in	0.13 in	12W471	100
1/4 in	0.28 in	0.45 in 0.53 in	0.07 in	5RUY0 5RUY2	200 200	M24	25.3 mm 25.3 mm	39 mm	3.4 mm	5UTC3	100
	0.28 in	0.53 in	0.1 in	5RUY2	200	1407	25.3 mm	48.5 mm	4.6 mm	5UTC5	50
	U.34 III	0.53 in 0.65 in	0.1 in 0.1 in	12W448	20	M27	1.12 in 1.7 in	1.65 in 2.48 in	0.26 in 0.26 in	12W475 12W484	1
5∕16 in	0.34 in 0.34 in	0.53 in	0.1 in	12W449 5RUY4	200	M42	43.2 mm	63 mm	6.6 mm	5UTE7	25
	0.34 in	0.65 in	0.1 in	5RUY6	200	M48	49.6 mm	75 mm	7 mm	5UTF1	1
	0.41 in	0.65 in	0.1 in	12W450	20	M85	88 1 mm	120 mm	9.5 mm	5UTG7	1
3/8 in	0.41 in	0.83 in	0.1 in	12W451	10	Grade 2 St	teel, Zinc P 0.394 in 0.52 in 0.779 in	lated			
, , , , , ,	0.41 in	0.65 in 0.83 in 0.73 in 0.73 in 0.77 in	0.1 in	5RUY8	200	3/8 IN	0.394 in	0.654 in	0.1400 :	405F02 405F07 405F11 405D97	200 200 100
	0.41 in 0.45 in 0.45 in	0.83 III	0.1 in 0.1 in	5RUZ0 12W454	200 10		0.52 III	0.768 in 1.209 in	0.1406 in 0.2188 in 1.77 mm 1.77 mm 2.29 mm 2.29 mm 2.95 mm	405FU/	100
7∕16 in	0.45 in	0.73 in	0.1 in	5RUZ6	200		6.773 III	10.8 mm	1 77 mm	405D97	200
	0.53 in	0.77 in	0.1 in	12W457	10	6 mm	6.3 mm 6.3 mm	13.5 mm	1.77 mm	405D98	200
1/2 in	0.53 in 0.53 in	I IN	0.13 in	12W458	8	8 mm	8.4 mm	13.5 mm 13.5 mm	2.29 mm	405D99	200 200
72 111	0.53 in	0.77 in	0.1 in	5RVA2	200	0 111111	8.4 mm	16.6 mm	2.29 mm	405F01	200 200 200
	0.53 in	1 in	0.13 in 0.13 in	5URY7	100	10 mm	10.5 mm 10.5 mm	16.6 mm	2.95 mm	405F03 405F04	200
	0.6 in 0.6 in	0.91 in 1.21 in	0 12 in	12W459 12W460	10 4		12.5 mm	21 mm 19.5 mm	2.95 IIIII	405505	200
9⁄16 in	0.0 iii	0.91 in	0.13 in	5IIRV0	100	12 mm	12.5 mm	25 / mm	3.5 mm	405F06	100
	0.6 in	0.91 in 1.21 in	0.13 in	5URZ1	100	14 mm	14.6 mm	23 mm	4.03 mm	405F08	100
	0.67 in	1 in	0.13 in	12W461	8	16 mm	12.5 mm 14.6 mm 16.6 mm	25.4 mm	4.74 mm	405F09	100
5⁄8 in	0.6 in 0.6 in 0.67 in 0.67 in 0.67 in	1.21 in	0.13 in 0.13 in 0.13 in 0.13 in 0.13 in	5URZ1 12W461 12W462 5URZ3	4		16.6 mm 20.7 mm	23 mm 25.4 mm 30.7 mm 30.7 mm	3.5 mm 4.03 mm 4.74 mm 4.74 mm 6.01 mm	405F06 405F08 405F09 405F10 405F12	100 100
70 111	0.67 in	1 in	0.13 in	5URZ3	100	20 mm	20./ mm	30.7 mm	6.01 mm	405F12	100
	0.67 in	1.21 in	0.13 in	5URZ5	100 4	74c in	teel, Delta	0.88 in	0.135 in	36B1 68	100
	0.79 in 0.79 in	1.21 in 1.54 in	0.13 in	12W465 12W466	2	⁷ ∕₁6 in 1⁄2 in	0.45 in 0.51 in	0.937 in	0.135 in 0.166 in	36RL68 36RL69	100 100
3∕4 in	0 79 in	1.21 in	0.13 in 0.13 in 0.13 in	5UTA1	100	5⁄8 in	0.651 in	1.247 in	0.188 in	36RL71	100
	0.79 in 0.92 in	1.54 in	0.13 in	5UTA3	100	3/4 in	0.82 in	1.381 in	0.242 in	36RL72	100
	0.92 in	1.36 in	0.13 in	12W469	2	1 1/4 in	1.275 in	1.875 in	0.265 in	36RL76	25
7∕8 in	0.92 in 0.92 in 0.92 in	1.65 in	0.18 in	12W470	2	6 mm	6.66 mm	12.6 mm	3.22 mm	36RL48	200
	0.92 iff	1.36 in 1.65 in	0.13 III 0.18 in	5UTA9 5UTC1	100 50	8 mm 12 mm	0.20 IIIII 12 95 mm	23.8 mm	4 22 mm	36RL49 36RL52	200
	1.1 in	1.54 in	0.13 in	12W473	2	20 mm	8.28 mm 12.95 mm 20.82 mm	35.1 mm	3.6 mm 4.22 mm 6.15 mm	36RL55	100
1 in	1.1 in 1.1 in	1.91 in	0.18 in	12W474	1	24 mm	25.78 mm 32.39 mm	41.3 mm	6.5 mm 6.73 mm	36RL57	100
1 in	1.1 in	1.54 in	0.13 in 0.18 in 0.13 in 0.13 in 0.18 in	5UTC7	100	30 mm	32.39 mm	16 mm 23.8 mm 35.1 mm 41.3 mm 47.6 mm	6.73 mm	36RL59	25
	1.1 in	1.91 in	0.18 in	5UTC9	50	36 mm	37.3 mm	55.8 mm	6.73 mm	36RL60	25



Bonded Sealing Washer



Metal Sealing Washer

Sealing and Cushioning Washers

Bonded sealing washers have an outer ring of hard metal to provide load-bearing strength and an inner ring of softer synthetic rubber that creates a tight seal. The hard backing compresses the seal to prevent rotation and leakage around the fastener and surface.

Metal sealing washers have a level shape that allows them to form tight seals between the fastener head and the surface that prevent loosening and leakage. They are used in automobile and electrical applications.

For Screw Size	Inside Diameter	Outside Diameter	Maximum Thickness	Item No.	Pkg. Qty.				
Bonded Sealing Washers									
Cadmium Plated Steel									
1/4 in	0.54 in	0.81 in	0.09 in	39WD89	1				
3/8 in	0.68 in	0.94 in	0.09 in	39WD95	1				
1/2 in	0.85 in	1.125 in	0.09 in	39WD97	1				
5/8 in	0.93 in	1.26 in	0.108 in	39WD84	1				
3/4 in	1.07 in	1.38 in	0.108 in	39WD87	1				
M10		16.002 mm	2.28 mm	55DV18	1				
M12	12.7 mm	18 mm	2.4 mm	55DV19	1				
Zinc Plate	d Steel								
#10	0.18 in	0.443 in	0.072 in	61JX55	10				
#10	0.194 in	0.469 in	0.092 in	61JX68	5				
	0.24 in	0.505 in	0.063 in	61JX57	10				
1/4 in	0.245 in	0.531 in	0.068 in	61JX58	5				
	0.255 in	0.562 in	0.077 in	61JX69	5				
5/16 in	0.301 in	0.603 in	0.062 in	61JX59	10				
916 III	0.319 in	0.687 in	0.1 in	61JX70	5				
3/8 in	0.364 in	0.666 in	0.07 in	61JX60	10				
	0.383 in	0.75 in	0.108 in	61JX71	5 5				
7/16 in	0.427 in	0.76 in	0.061 in	61JX61	5				
1/2 in	0.49 in	0.88 in	0.068 in	61JX62	10				
	0.51 in	1 in	0.157 in	61JX72	5				
5⁄8 in	0.615 in	1.193 in	0.069 in	61JX64	5 5 5				
	0.683 in	1.187 in	0.157 in	61JX73	5				
3/4 in	0.74 in	1.322 in	0.09 in	61JX65	5				
	0.765 in	1.375 in	0.18 in	61JX74	1				
7∕8 in	0.864 in	1.51 in	0.097 in	61JX66	1				
	0.864 in	1.562 in	0.196 in	61JX75	1				
1 in	0.988 in	1.76 in	0.087 in	61JX67	1				

For Screw Size	Inside Diameter	Outside Diameter	Maximum Thickness	ltem No.	Pkg. Qty.				
Metal Sealing Washers									
Plain Copper									
M6	6 mm	10 mm	1.5 mm	54FP54	100				
M8	8 mm	14 mm	1.5 mm	54FP55	100				
M10	10 mm	14 mm	1.5 mm	54FP57	100				
	10 mm	16 mm	1.5 mm	54FP58	100				
M12	12 mm	20 mm	1.5 mm	54FP65	50				
M16	16 mm	20 mm	1.5 mm	54FP72	50				
IVIII	16 mm	22 mm	1.5 mm	54FP73	50				
M20	20 mm	26 mm	1.5 mm	54FP78	25				
M13	13 mm	18 mm	1.5 mm	54FP67	50				
M14	14 mm	18 mm	1.5 mm	54FP68	50				
	14 mm	20 mm	1.5 mm	54FP69	50				
M16.5	16.5 mm	24 mm	2 mm	54FP91	25				
M17	17 mm	22 mm	1.5 mm	54FP75	50				
M18	18 mm	24 mm	1.5 mm	54FP76	25				
M21	21 mm	26 mm	1.5 mm	54FP79	25				
M22	22 mm	27 mm	1.5 mm	54FP81	25				
M24	24 mm	30 mm	2 mm	54FR02	25				
M26	26 mm	32 mm	2 mm	54FR04	10				
M28	28 mm	34 mm	2 mm	54FR07	10				
M32	32 mm	40 mm	2 mm	54FR11	10				
M33	33 mm	39 mm	2 mm	54FR12	10				
M35	35 mm	45 mm	2 mm	54FR13	10				
M36	36 mm	42 mm	2 mm	54FR14	10				
M38	38 mm	44 mm	2 mm	54FR15	10				
M45	45 mm	52 mm	2 mm	54FR17	10				
M50	50 mm	57 mm	2 mm	54FR18	10				