

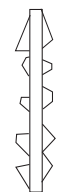
# Lock Washers

## Internal - Tooth Lock Washers

ASME B18.21.1. 18-8 Stainless Steel provides excellent corrosion resistance.

May be mildly magnetic. Not rated for rockwell hardness. Type 410 Stainless Steel is magnetic and corrosion resistant. Rockwell Hardness : C34. Zinc-Plated Steel is made of C1050-C1065 steel and is rust resistant. Rockwell Hardness : C40-C50.

Phosphor Bronze is corrosion resistant and nonmagnetic. Rockwell Hardness : B60.



Thick. → ←

Screw Size	ID	OD	Min. Thick., mm	18-8 Stainless Steel			Type 410 Stainless Steel			Zinc - Planted Steel			Phosphor Bronze		
				Pkg. Qty.	Number	Price ₪	Pkg. Qty.	Number	Price ₪	Pkg. Qty.	Number	Price ₪	Pkg. Qty.	Number	Price ₪
2	0.095"	0.200"	0.010" - 0.016"	—	—	—	100	9S84 4500	—	100	9S11 1003	—	100	9S21 6002	—
3	0.109"	0.232"	0.010" - 0.016"	—	—	—	100	9S84 4505	—	100	9S11 1004	—	—	—	—
4	0.123"	0.270"	0.012" - 0.018"	100	9S17 5101	—	100	9S84 4510	—	100	9S11 1005	—	100	9S21 6005	—
5	0.136"	0.280"	0.014" - 0.020"	—	—	—	100	9S84 4515	—	100	9S11 1006	—	—	—	—
6	0.150"	0.295"	0.016" - 0.022"	100	9S17 5103	—	100	9S84 4520	—	100	9S11 1007	—	100	9S21 6007	—
8	0.176"	0.340"	0.018" - 0.023"	100	9S17 5105	—	100	9S84 4525	—	100	9S11 1009	—	100	9S21 6009	—
10	0.204"	0.381"	0.018" - 0.024"	100	9S17 5107	—	100	9S84 4530	—	100	9S11 1011	—	100	9S21 6011	—
12	0.231"	0.410"	0.020" - 0.027"	—	—	—	100	9S84 4535	—	100	9S11 1013	—	—	—	—
1/4"	0.267"	0.478"	0.023" - 0.028"	100	9S17 5109	—	100	9S84 4540	—	100	9S11 1029	—	100	9S21 6029	—
5/16"	0.332"	0.610"	0.028" - 0.034"	50	9S17 5111	—	100	9S84 4030	—	100	9S11 1030	—	50	9S21 6030	—
3/8"	0.398"	0.692"	0.032" - 0.040"	25	9S17 5113	—	100	9S84 4031	—	100	9S11 1031	—	50	9S21 6031	—
7/16"	0.464"	0.789"	0.032" - 0.040"	—	—	—	100	9S84 4032	—	100	9S11 1032	—	25	9S21 6032	—
1/2"	0.530"	0.900"	0.037" - 0.045"	—	—	—	50	9S84 4033	—	100	9S11 1033	—	25	9S21 6033	—
9/16"	0.596"	0.985"	0.037" - 0.045"	—	—	—	50	9S84 4034	—	100	9S11 1034	—	—	—	—
5/8"	0.663"	1.071"	0.042" - 0.050"	—	—	—	50	9S84 4035	—	50	9S11 1035	—	5	9S21 6055	—
3/4"	0.795"	1.245"	0.047" - 0.055"	—	—	—	25	9S84 4036	—	50	9S11 1036	—	—	—	—

## Metric External and Serrated - Tooth Lock Washers



External

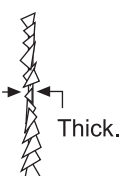
Made of 18-8 stainless steel for corrosion resistance. May be mildly magnetic. Rockwell hardness is B80.

► External - Use with screws that have large enough heads to make contact with washer teeth-such as round, pan and binding head screws. DIN 6797. Max. thick. is twice the min. thick.

► Serrated - External angled teeth absorb shock and vibration to maintain fastening tension. DIN 6798. Max. thick. is three time the min. thick.



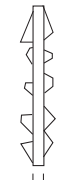
Serrated



Thick.

Screw Size	ID, mm	OD, mm	Min. Thick., mm	Pkg. Qty.	External		Serrated	
					Number	Price ₪	Number	Price ₪
M3	3.2	6	0.4	100	9T50 6320	—	9T11 2120	—
M4	4.3	8	0.5	100	9T50 6330	—	9T11 2130	—
M5	5.3	10	0.6	100	9T50 6350	—	9T11 2140	—
M6	6.4	11	0.7	100	9T50 6360	—	9T11 2160	—
M8	8.4	15	0.8	100	9T50 6390	—	9T11 2180	—
M10	10.5	18	0.9	100	9T50 6400	—	9T11 2200	—
M12	12.5	20.5	1.0	50	9T50 6411	—	9T11 2211	—
M14	15	24	1.0	50	9T50 6420	—	—	—
M18	19	30	1.4	10	9T50 6440	—	—	—
M20	21	33	1.4	10	9T50 6450	—	9T11 2241	—

## Metric Internal - Tooth Lock Washers



Best used with small screw heads these washers prevent snagging.

Thick.

DIN 6797. Max. thick. Is twice the min. thick.  
18-8 Stainless Steel - Excellent corrosion resistance. May be mildly magnetic. Rockwell hardness is B80. Black Steel - Mild rust resistance. Made of spring steel. Rockwell Hardness is C35-C42.

Screw Size	ID, mm	OD, mm	Min. Thick., mm	18-8 Stainless Steel			Black Steel		
				Pkg. Qty.	Number	Price ₪	Pkg. Qty.	Number	Price ₪
M2	2.2	4.5	0.3	100	9M39 2210	—	100	9M11 0120	—
M2.5	2.7	5.5	0.4	100	9M39 2220	—	100	9M11 0150	—
M3	3.2	6	0.4	100	9M39 2240	—	100	9M11 0122	—
M4	4.3	8	0.5	100	9M39 2250	—	100	9M11 0124	—
M5	5.3	10	0.6	100	9M39 2260	—	100	9M11 0126	—
M6	6.4	11	0.7	100	9M39 2270	—	100	9M11 0128	—
M8	8.4	15	0.8	100	9M39 2280	—	100	9M11 0131	—
M10	10.5	18	0.9	50	9M39 2290	—	100	9M11 0133	—
M12	13.0	20.5	1.0	50	9M39 2300	—	100	9M11 0135	—
M14	15.0	24	1.0	50	9M39 2310	—	25	9M11 0137	—
M16	17.0	26	1.2	50	9M39 2320	—	25	9M11 0139	—