

# Flat Washers & Spring Lock

## General Purpose SAE Standard Steel Washer

SAE Standard											
Screw Size	ID	OD	Thick., Min.-Max	Screw Size	ID	OD	Thick., Min.-Max	Screw Size	ID	OD	Thick., Min.-Max
10	1/4"	9/16"	0.036" - 0.065"	5/8"	11/16"	1 3/4"	0.108" - 0.160"	1 1/2"	1 5/8"	3 1/2"	0.153" - 0.213"
1/4"	5/16"	47/64"	0.051" - 0.080"	3/4"	13/16"	2"	0.122" - 0.177"	1 5/8"	1 3/4"	3 3/4"	0.153" - 0.213"
5/16"	3/8"	7/8"	0.064" - 0.104"	7/8"	15/16"	2 1/4"	0.136" - 0.192"	1 3/4"	1 7/8"	4"	0.153" - 0.213"
3/8"	7/16"	1"	0.064" - 0.104"	1"	1 1/16"	2 1/2"	0.136" - 0.192"	2"	2 1/8"	4 1/2"	0.153" - 0.213"
7/16"	1/2"	1 1/4"	0.064" - 0.104"	1 1/8"	1 1/4"	2 3/4"	0.136" - 0.192"	2 1/4"	2 3/8"	4 3/4"	0.193" - 0.248"
1/2"	9/16"	1 3/8"	0.086" - 0.132"	1 1/4"	1 3/8"	3"	0.136" - 0.192"	2 1/2"	2 5/8"	5"	0.210" - 0.280"
9/16"	5/8"	1 15/32"	0.086" - 0.132"	1 3/8"	1 1/2"	3 1/4"	0.153" - 0.213"	3"	3 1/8"	5 1/2"	0.249" - 0.327"

SAE are the most widely used washers. Also called Type A they're used with bolts, screws and nuts. All meet ASME B18.22.1 except type 316 stainless steel.

- ▶ Type 316 Stainless Steel and 18-8 Stainless Steel have excellent corrosion resistance. May be mildly magnetic.
- ▶ Galvanized Steel and Zinc-Plated Steel have good rust resistance.
- ▶ Black-Oxide Steel has mild rust resistance and some lubricity.



### 18-8 Stainless Steel

Screw Size	Pkg. Qty.	Number	Price ₪
10	50	9H38 5101	—
1/4"	50	9H38 5102	—
5/16"	25	9H38 5103	—
3/8"	10	9H38 5104	—
7/16"	10	9H38 5105	—
9/16"	5	9H38 5106	—
5/8"	5	9H38 5107	—
3/4"	1	9H38 5108	—
7/8"	1	9H38 5109	—
1"	1	9H38 5110	—

### Hastelloy

Screw Size	Pkg. Qty.	Number	Price ₪
1/4"	1	9H90 9200	—
5/16"	1	9H90 9300	—
3/8"	1	9H90 9400	—
1/2"	1	9H90 9500	—
5/8"	1	9H90 9600	—
3/4"	1	9H90 9700	—

### Plain Steel

Screw Size	Pkg. Qty.	Number	Price ₪
10	1805	9H10 8027	—
1/4"	745	9H10 8029	—
5/16"	435	9H10 8030	—
3/8"	335	9H10 8031	—
7/16"	205	9H10 8032	—
1/2"	130	9H10 8033	—
9/16"	110	9H10 8034	—
5/8"	65	9H10 8035	—
3/4"	40	9H10 8036	—
7/8"	32	9H10 8037	—
1"	26	9H10 8038	—
1 1/8"	22	9H10 8039	—
1 1/4"	19	9H10 8040	—
1 3/8"	15	9H10 8042	—
1 1/2"	13	9H10 8041	—
1 5/8"	11	9H10 8043	—
1 3/4"	10	9H10 8044	—
2"	8	9H10 8046	—
2 1/4"	6	9H10 8047	—
2 1/2"	5	9H10 8048	—
3"	4	9H10 8050	—

### A286 Alloy Steel

Screw Size	Pkg. Qty.	Number	Price ₪
1/4"	1	9H81 8200	—
5/16"	1	9H81 8300	—
3/8"	1	9H81 8400	—
1/2"	1	9H81 8500	—

### Zinc - Planted Steel

Screw Size	Pkg. Qty.	Number	Price ₪
10	100	9H01 0411	—
10	1805	9H01 0027	—
1/4"	100	9H01 0413	—
1/4"	745	9H01 0029	—
5/16"	100	9H01 0415	—
5/16"	435	9H01 0030	—
3/8"	100	9H01 0417	—
3/8"	335	9H01 0031	—
7/16"	205	9H01 0032	—
1/2"	130	9H01 0033	—
9/16"	110	9H01 0034	—
5/8"	65	9H01 0035	—
3/4"	40	9H01 0036	—
7/8"	32	9H01 0037	—
1"	26	9H01 0038	—
1 1/8"	22	9H01 0039	—
1 1/4"	19	9H01 0040	—
1 3/8"	15	9H01 0042	—
1 1/2"	13	9H01 0041	—
1 5/8"	11	9H01 0043	—
1 3/4"	10	9H01 0044	—
2"	8	9H01 0046	—
2 1/4"	1	9H01 0047	—
2 1/2"	1	9H01 0048	—
3"	1	9H01 0050	—

### Galvanized Steel

Screw Size	Pkg. Qty.	Number	Price ₪
1/4"	100	9H89 7129	—
5/16"	100	9H89 7130	—
3/8"	100	9H89 7131	—
7/16"	100	9H89 7132	—
1/2"	50	9H89 7133	—
5/8"	25	9H89 7135	—
3/4"	25	9H89 7136	—
7/8"	10	9H89 7137	—
1"	10	9H89 7138	—

## Metric Spring Lock Washers - DIN 127B

▶ Type 316 Stainless Steel provides superior corrosion resistance and may be mildly magnetic. Not rated for rockwell hardness.

▶ 18-8 Stainless Steel offers very good corrosion resistance and may be mildly magnetic. Not rated for Rockwell Hardness.



(Continued on following page)

Screw Size	ID, mm	OD, mm	Min. Thick., mm	Type 316 Stainless Steel			18-8 Stainless Steel		
				Pkg. Qty.	Number	Price ₪	Pkg. Qty.	Number	Price ₪
M2	2.4	4.4	0.4	100	9G21 5406	—	100	9G21 4050	—
M2.5	2.9	5.1	0.5	100	9G21 5411	—	100	9G21 4070	—
M3	3.4	6.2	0.7	100	9G21 5416	—	100	9G21 4150	—
M4	4.4	7.6	0.8	100	9G21 5418	—	100	9G21 4160	—
M5	5.4	9.2	1.1	100	9G21 5422	—	100	9G21 4170	—
M6	6.5	11.8	1.5	100	9G21 5426	—	100	9G21 4180	—
M8	8.5	14.8	1.9	100	9G21 5429	—	100	9G21 4200	—
M10	10.7	18.1	2.05	100	9G21 5434	—	100	9G21 4210	—
M12	12.7	21.1	2.35	50	9G21 5436	—	50	9G21 4214	—
M14	14.7	24.1	2.85	25	9G21 5439	—	25	9G21 4221	—
M16	17.0	27.4	3.3	25	9G21 5442	—	25	9G21 4241	—