

Rubber Washer Size Chart

Every stock size we carry — 1,742 washers from 3/16" to 4" OD, each available in seven materials. Imperial and metric on every row.

How to measure a rubber washer

OD (outside diameter): widest edge-to-edge distance across the washer.

ID (inside diameter): distance across the center hole — for bolts, match ID to your bolt diameter.

Thickness: height of the washer face. Thicker = more compression range.

Material quick guide

Neoprene — all-rounder; oil, weather, moderate heat.

EPDM — water, steam, outdoor UV; economical.

Nitrile (Buna-N) — fuels, oils, greases.

Silicone — extreme temperatures, food-adjacent uses.

Viton®/FKM — aggressive chemicals, high heat.

Natural Rubber — abrasion, vibration, sealing water.

Fiber — firm, non-elastic sealing and spacing.



Scan for the interactive Washer Size Finder

How to read this chart

Sizes are grouped by outside diameter. Each row is one OD × ID combination and lists every stock thickness for that size. All 1,742 sizes ship fast from the USA in your choice of Neoprene, EPDM, Nitrile, Silicone, Natural Rubber, Viton or Fiber. Standard hardness is 60 durometer (Shore A). Need a size that is not listed? We cut custom sizes — request a quote at rubberwasherwarehouse.com/pages/contact.

Standard thickness range

1/16"	3/32"	1/8"	3/16"	1/4"	3/8"	1/2"
1.59 mm	2.38 mm	3.18 mm	4.76 mm	6.35 mm	9.53 mm	12.7 mm

Unless marked otherwise, every OD × ID pair below is stocked in all seven thicknesses shown above.

Stock Sizes by Outside Diameter

One row per OD × ID pair. “All 7” = stocked in every standard thickness (1/16” – 1/2”).

OD 5/16” (7.94 mm)

ID (in)	ID (mm)	Stock thicknesses
1/8”	3.17	All 7 (1/16”–1/2”)

OD 3/8” (9.52 mm)

ID (in)	ID (mm)	Stock thicknesses
1/8”	3.17	All 7 (1/16”–1/2”)
3/16”	4.76	All 7 (1/16”–1/2”)

OD 7/16” (11.11 mm)

ID (in)	ID (mm)	Stock thicknesses
1/8”	3.17	All 7 (1/16”–1/2”)
3/16”	4.76	All 7 (1/16”–1/2”)
1/4”	6.35	All 7 (1/16”–1/2”)

OD 1/2” (12.70 mm)

ID (in)	ID (mm)	Stock thicknesses
1/8”	3.17	All 7 (1/16”–1/2”)
3/16”	4.76	All 7 (1/16”–1/2”)
1/4”	6.35	All 7 (1/16”–1/2”)
5/16”	7.94	All 7 (1/16”–1/2”)

OD 9/16” (14.29 mm)

ID (in)	ID (mm)	Stock thicknesses
1/8”	3.17	All 7 (1/16”–1/2”)
3/16”	4.76	All 7 (1/16”–1/2”)
1/4”	6.35	All 7 (1/16”–1/2”)
5/16”	7.94	All 7 (1/16”–1/2”)
3/8”	9.52	All 7 (1/16”–1/2”)

OD 5/8” (15.88 mm)

ID (in)	ID (mm)	Stock thicknesses
1/8”	3.17	All 7 (1/16”–1/2”)
3/16”	4.76	All 7 (1/16”–1/2”)
1/4”	6.35	All 7 (1/16”–1/2”)
5/16”	7.94	All 7 (1/16”–1/2”)
3/8”	9.52	All 7 (1/16”–1/2”)

ID (in)	ID (mm)	Stock thicknesses
7/16"	11.11	All 7 (1/16"–1/2")

OD 11/16" (17.46 mm)

ID (in)	ID (mm)	Stock thicknesses
1/8"	3.17	All 7 (1/16"–1/2")
3/16"	4.76	All 7 (1/16"–1/2")
1/4"	6.35	All 7 (1/16"–1/2")
5/16"	7.94	All 7 (1/16"–1/2")
3/8"	9.52	All 7 (1/16"–1/2")
7/16"	11.11	All 7 (1/16"–1/2")
1/2"	12.70	All 7 (1/16"–1/2")

OD 3/4" (19.05 mm)

ID (in)	ID (mm)	Stock thicknesses
1/8"	3.17	All 7 (1/16"–1/2")
3/16"	4.76	All 7 (1/16"–1/2")
1/4"	6.35	All 7 (1/16"–1/2")
5/16"	7.94	All 7 (1/16"–1/2")
3/8"	9.52	All 7 (1/16"–1/2")
7/16"	11.11	All 7 (1/16"–1/2")
1/2"	12.70	All 7 (1/16"–1/2")
9/16"	14.29	All 7 (1/16"–1/2")

OD 13/16" (20.64 mm)

ID (in)	ID (mm)	Stock thicknesses
1/8"	3.17	All 7 (1/16"–1/2")
3/16"	4.76	All 7 (1/16"–1/2")
1/4"	6.35	All 7 (1/16"–1/2")
5/16"	7.94	All 7 (1/16"–1/2")
3/8"	9.52	All 7 (1/16"–1/2")
7/16"	11.11	All 7 (1/16"–1/2")
1/2"	12.70	All 7 (1/16"–1/2")
9/16"	14.29	All 7 (1/16"–1/2")
5/8"	15.88	All 7 (1/16"–1/2")

OD 7/8" (22.22 mm)

ID (in)	ID (mm)	Stock thicknesses
1/8"	3.17	All 7 (1/16"–1/2")
3/16"	4.76	All 7 (1/16"–1/2")
1/4"	6.35	All 7 (1/16"–1/2")

ID (in)	ID (mm)	Stock thicknesses
5/16"	7.94	All 7 (1/16"–1/2")
3/8"	9.52	All 7 (1/16"–1/2")
7/16"	11.11	All 7 (1/16"–1/2")
1/2"	12.70	All 7 (1/16"–1/2")
9/16"	14.29	All 7 (1/16"–1/2")
5/8"	15.88	All 7 (1/16"–1/2")

OD 15/16" (23.81 mm)

ID (in)	ID (mm)	Stock thicknesses
1/8"	3.17	All 7 (1/16"–1/2")
3/16"	4.76	All 7 (1/16"–1/2")
1/4"	6.35	All 7 (1/16"–1/2")
5/16"	7.94	All 7 (1/16"–1/2")
3/8"	9.52	All 7 (1/16"–1/2")
7/16"	11.11	All 7 (1/16"–1/2")
1/2"	12.70	All 7 (1/16"–1/2")
9/16"	14.29	All 7 (1/16"–1/2")
5/8"	15.88	All 7 (1/16"–1/2")
3/4"	19.05	All 7 (1/16"–1/2")

OD 1" (25.40 mm)

ID (in)	ID (mm)	Stock thicknesses
1/8"	3.17	All 7 (1/16"–1/2")
3/16"	4.76	All 7 (1/16"–1/2")
1/4"	6.35	All 7 (1/16"–1/2")
5/16"	7.94	All 7 (1/16"–1/2")
3/8"	9.52	All 7 (1/16"–1/2")
7/16"	11.11	All 7 (1/16"–1/2")
1/2"	12.70	All 7 (1/16"–1/2")
9/16"	14.29	All 7 (1/16"–1/2")
5/8"	15.88	All 7 (1/16"–1/2")
3/4"	19.05	All 7 (1/16"–1/2")

OD 9/8" (28.57 mm)

ID (in)	ID (mm)	Stock thicknesses
1/8"	3.17	All 7 (1/16"–1/2")
3/16"	4.76	All 7 (1/16"–1/2")
1/4"	6.35	All 7 (1/16"–1/2")
5/16"	7.94	All 7 (1/16"–1/2")
3/8"	9.52	All 7 (1/16"–1/2")

ID (in)	ID (mm)	Stock thicknesses
7/16"	11.11	All 7 (1/16"–1/2")
1/2"	12.70	All 7 (1/16"–1/2")
9/16"	14.29	All 7 (1/16"–1/2")
5/8"	15.88	All 7 (1/16"–1/2")
3/4"	19.05	All 7 (1/16"–1/2")
7/8"	22.22	All 7 (1/16"–1/2")

OD 5/4" (31.75 mm)

ID (in)	ID (mm)	Stock thicknesses
1/8"	3.17	All 7 (1/16"–1/2")
3/16"	4.76	All 7 (1/16"–1/2")
1/4"	6.35	All 7 (1/16"–1/2")
5/16"	7.94	All 7 (1/16"–1/2")
3/8"	9.52	All 7 (1/16"–1/2")
7/16"	11.11	All 7 (1/16"–1/2")
1/2"	12.70	All 7 (1/16"–1/2")
9/16"	14.29	All 7 (1/16"–1/2")
5/8"	15.88	All 7 (1/16"–1/2")
3/4"	19.05	All 7 (1/16"–1/2")
7/8"	22.22	All 7 (1/16"–1/2")
1"	25.40	All 7 (1/16"–1/2")

OD 11/8" (34.92 mm)

ID (in)	ID (mm)	Stock thicknesses
1/8"	3.17	All 7 (1/16"–1/2")
3/16"	4.76	All 7 (1/16"–1/2")
1/4"	6.35	All 7 (1/16"–1/2")
5/16"	7.94	All 7 (1/16"–1/2")
3/8"	9.52	All 7 (1/16"–1/2")
7/16"	11.11	All 7 (1/16"–1/2")
1/2"	12.70	All 7 (1/16"–1/2")
9/16"	14.29	All 7 (1/16"–1/2")
5/8"	15.88	All 7 (1/16"–1/2")
3/4"	19.05	All 7 (1/16"–1/2")
7/8"	22.22	All 7 (1/16"–1/2")
1"	25.40	All 7 (1/16"–1/2")

OD 3/2" (38.10 mm)

ID (in)	ID (mm)	Stock thicknesses
1/8"	3.17	All 7 (1/16"–1/2")

ID (in)	ID (mm)	Stock thicknesses
3/16"	4.76	All 7 (1/16"–1/2")
1/4"	6.35	All 7 (1/16"–1/2")
5/16"	7.94	All 7 (1/16"–1/2")
3/8"	9.52	All 7 (1/16"–1/2")
7/16"	11.11	All 7 (1/16"–1/2")
1/2"	12.70	All 7 (1/16"–1/2")
9/16"	14.29	All 7 (1/16"–1/2")
5/8"	15.88	All 7 (1/16"–1/2")
3/4"	19.05	All 7 (1/16"–1/2")
7/8"	22.22	All 7 (1/16"–1/2")
1"	25.40	All 7 (1/16"–1/2")
5/4"	31.75	All 7 (1/16"–1/2")

OD 13/8" (41.27 mm)

ID (in)	ID (mm)	Stock thicknesses
1/8"	3.17	All 7 (1/16"–1/2")
3/16"	4.76	All 7 (1/16"–1/2")
1/4"	6.35	All 7 (1/16"–1/2")
5/16"	7.94	All 7 (1/16"–1/2")
3/8"	9.52	All 7 (1/16"–1/2")
7/16"	11.11	All 7 (1/16"–1/2")
1/2"	12.70	All 7 (1/16"–1/2")
9/16"	14.29	All 7 (1/16"–1/2")
5/8"	15.88	All 7 (1/16"–1/2")
3/4"	19.05	All 7 (1/16"–1/2")
7/8"	22.22	All 7 (1/16"–1/2")
1"	25.40	All 7 (1/16"–1/2")
5/4"	31.75	All 7 (1/16"–1/2")

OD 7/4" (44.45 mm)

ID (in)	ID (mm)	Stock thicknesses
1/8"	3.17	All 7 (1/16"–1/2")
3/16"	4.76	All 7 (1/16"–1/2")
1/4"	6.35	All 7 (1/16"–1/2")
5/16"	7.94	All 7 (1/16"–1/2")
3/8"	9.52	All 7 (1/16"–1/2")
7/16"	11.11	All 7 (1/16"–1/2")
1/2"	12.70	All 7 (1/16"–1/2")
9/16"	14.29	All 7 (1/16"–1/2")
5/8"	15.88	All 7 (1/16"–1/2")

ID (in)	ID (mm)	Stock thicknesses
3/4"	19.05	All 7 (1/16"–1/2")
7/8"	22.22	All 7 (1/16"–1/2")
1"	25.40	All 7 (1/16"–1/2")
5/4"	31.75	All 7 (1/16"–1/2")
3/2"	38.10	All 7 (1/16"–1/2")

OD 2" (50.80 mm)

ID (in)	ID (mm)	Stock thicknesses
1/8"	3.17	All 7 (1/16"–1/2")
3/16"	4.76	All 7 (1/16"–1/2")
1/4"	6.35	All 7 (1/16"–1/2")
5/16"	7.94	All 7 (1/16"–1/2")
3/8"	9.52	All 7 (1/16"–1/2")
7/16"	11.11	All 7 (1/16"–1/2")
1/2"	12.70	All 7 (1/16"–1/2")
9/16"	14.29	All 7 (1/16"–1/2")
5/8"	15.88	All 7 (1/16"–1/2")
3/4"	19.05	All 7 (1/16"–1/2")
7/8"	22.22	All 7 (1/16"–1/2")
1"	25.40	All 7 (1/16"–1/2")
5/4"	31.75	All 7 (1/16"–1/2")
3/2"	38.10	All 7 (1/16"–1/2")

OD 9/4" (57.15 mm)

ID (in)	ID (mm)	Stock thicknesses
1/8"	3.17	All 7 (1/16"–1/2")
3/16"	4.76	All 7 (1/16"–1/2")
1/4"	6.35	All 7 (1/16"–1/2")
5/16"	7.94	All 7 (1/16"–1/2")
3/8"	9.52	All 7 (1/16"–1/2")
7/16"	11.11	All 7 (1/16"–1/2")
1/2"	12.70	All 7 (1/16"–1/2")
9/16"	14.29	All 7 (1/16"–1/2")
5/8"	15.88	All 7 (1/16"–1/2")
3/4"	19.05	All 7 (1/16"–1/2")
7/8"	22.22	All 7 (1/16"–1/2")
1"	25.40	All 7 (1/16"–1/2")
5/4"	31.75	All 7 (1/16"–1/2")
3/2"	38.10	All 7 (1/16"–1/2")

OD 5/2" (63.50 mm)

ID (in)	ID (mm)	Stock thicknesses
1/8"	3.17	All 7 (1/16"–1/2")
3/16"	4.76	All 7 (1/16"–1/2")
1/4"	6.35	All 7 (1/16"–1/2")
5/16"	7.94	All 7 (1/16"–1/2")
3/8"	9.52	All 7 (1/16"–1/2")
7/16"	11.11	All 7 (1/16"–1/2")
1/2"	12.70	All 7 (1/16"–1/2")
9/16"	14.29	All 7 (1/16"–1/2")
5/8"	15.88	All 7 (1/16"–1/2")
3/4"	19.05	All 7 (1/16"–1/2")
7/8"	22.22	All 7 (1/16"–1/2")
1"	25.40	All 7 (1/16"–1/2")
5/4"	31.75	All 7 (1/16"–1/2")
3/2"	38.10	All 7 (1/16"–1/2")

OD 11/4" (69.85 mm)

ID (in)	ID (mm)	Stock thicknesses
1/8"	3.17	All 7 (1/16"–1/2")
3/16"	4.76	All 7 (1/16"–1/2")
1/4"	6.35	All 7 (1/16"–1/2")
5/16"	7.94	All 7 (1/16"–1/2")
3/8"	9.52	All 7 (1/16"–1/2")
7/16"	11.11	All 7 (1/16"–1/2")
1/2"	12.70	All 7 (1/16"–1/2")
9/16"	14.29	All 7 (1/16"–1/2")
5/8"	15.88	All 7 (1/16"–1/2")
3/4"	19.05	All 7 (1/16"–1/2")
7/8"	22.22	All 7 (1/16"–1/2")
1"	25.40	All 7 (1/16"–1/2")
5/4"	31.75	All 7 (1/16"–1/2")
3/2"	38.10	All 7 (1/16"–1/2")

OD 3" (76.20 mm)

ID (in)	ID (mm)	Stock thicknesses
1/8"	3.17	All 7 (1/16"–1/2")
3/16"	4.76	All 7 (1/16"–1/2")
1/4"	6.35	All 7 (1/16"–1/2")
5/16"	7.94	All 7 (1/16"–1/2")
3/8"	9.52	All 7 (1/16"–1/2")

ID (in)	ID (mm)	Stock thicknesses
7/16"	11.11	All 7 (1/16"–1/2")
1/2"	12.70	All 7 (1/16"–1/2")
9/16"	14.29	All 7 (1/16"–1/2")
5/8"	15.88	All 7 (1/16"–1/2")
3/4"	19.05	All 7 (1/16"–1/2")
7/8"	22.22	All 7 (1/16"–1/2")
1"	25.40	All 7 (1/16"–1/2")
5/4"	31.75	All 7 (1/16"–1/2")
3/2"	38.10	All 7 (1/16"–1/2")

OD 7 1/2" (88.90 mm)

ID (in)	ID (mm)	Stock thicknesses
1/8"	3.17	All 7 (1/16"–1/2")
3/16"	4.76	All 7 (1/16"–1/2")
1/4"	6.35	All 7 (1/16"–1/2")
5/16"	7.94	All 7 (1/16"–1/2")
3/8"	9.52	All 7 (1/16"–1/2")
7/16"	11.11	All 7 (1/16"–1/2")
1/2"	12.70	All 7 (1/16"–1/2")
9/16"	14.29	All 7 (1/16"–1/2")
5/8"	15.88	All 7 (1/16"–1/2")
3/4"	19.05	All 7 (1/16"–1/2")
7/8"	22.22	All 7 (1/16"–1/2")
1"	25.40	All 7 (1/16"–1/2")
5/4"	31.75	All 7 (1/16"–1/2")
3/2"	38.10	All 7 (1/16"–1/2")

OD 4" (101.60 mm)

ID (in)	ID (mm)	Stock thicknesses
1/8"	3.17	All 7 (1/16"–1/2")
3/16"	4.76	All 7 (1/16"–1/2")
1/4"	6.35	All 7 (1/16"–1/2")
5/16"	7.94	All 7 (1/16"–1/2")
3/8"	9.52	All 7 (1/16"–1/2")
7/16"	11.11	All 7 (1/16"–1/2")
1/2"	12.70	All 7 (1/16"–1/2")
9/16"	14.29	All 7 (1/16"–1/2")
5/8"	15.88	All 7 (1/16"–1/2")
3/4"	19.05	All 7 (1/16"–1/2")
7/8"	22.22	All 7 (1/16"–1/2")

ID (in)	ID (mm)	Stock thicknesses
1"	25.40	All 7 (1/16"–1/2")
5/4"	31.75	All 7 (1/16"–1/2")
3/2"	38.10	All 7 (1/16"–1/2")

Special & Custom Stock Sizes

Additional sizes stocked outside the standard grid — including micro washers down to 3/16" OD and 1/32" thickness.

OD (in)	ID (in)	Thick (in)	OD (mm)	ID (mm)	Thick (mm)
3/16"	3/32"	1/32"	4.76	2.38	0.79
1/4"	1/8"	1/32"	6.35	3.17	0.79
1/4"	1/8"	1/16"	6.35	3.17	1.59
1/4"	1/8"	3/32"	6.35	3.17	2.38
5/16"	1/8"	1/32"	7.94	3.17	0.79
1-1/16"	1/2"	3/32"	26.99	12.7	2.38
1-1/16"	1/2"	1/8"	26.99	12.7	3.17
1-5/16"	5/8"	3/32"	33.34	15.88	2.38
1-5/16"	5/8"	1/8"	33.34	15.88	3.17
1-3/4"	15/16"	3/32"	44.45	23.81	2.38
2-1/4"	1-3/16"	1/8"	57.15	30.16	3.17
2-1/2"	1-3/8"	1/8"	63.5	34.92	3.17
3"	1-7/16"	1/8"	76.2	36.51	3.17

Don't see your size? Enter any OD/ID in the interactive Size Finder at rubberwasherwarehouse.com/pages/size-finder for an instant match — or request a custom-cut quote at rubberwasherwarehouse.com/pages/contact. Bulk and wholesale pricing available on every size.