

Large size washers

2 Dimensions

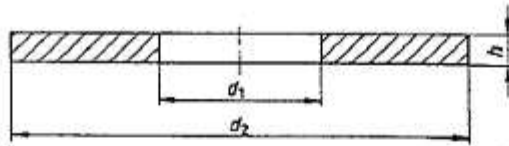


Table 1.

Nominal size	For nominal thread of diameter	Clearance hole diameter, d_1		Outside diameter, d_2		Thickness, h			Approximate mass (7,85 kg/dm ³), per 1000 units, in kg
		min. = nominal size	max.	max. = nominal size	min.	Nominal size	max.	min.	
2,7	2,5	2,7	2,84	8	7,64	0,8	0,9	0,7	0,28
3,2	3	3,2	3,38	9	8,64	0,8	0,9	0,7	0,349
3,7	3,5	3,7	3,88	11	10,57	0,8	0,9	0,7	0,529
4,3	4	4,3	4,48	12	11,57	1	1,1	0,9	0,774
5,3	5	5,3	5,48	15	14,57	1,2	1,4	1	1,46
6,4	6	6,4	6,62	18	17,57	1,6	1,8	1,4	2,79
7,4	7	7,4	7,62	22	21,48	2	2,2	1,8	5,29
8,4	8	8,4	8,62	24	23,48	2	2,2	1,8	6,23
10,5	10	10,5	10,77	30	29,48	2,5	2,7	2,3	12,2
13	12	13	13,27	37	36,38	3	3,3	2,7	22,2
15	14	15	15,27	44	43,38	3	3,3	2,7	31,6
17	16	17	17,27	50	49,38	3	3,3	2,7	40,9
20	18	20	20,52	56	54,1	4	4,6	3,4	67,4
22	20	22	22,52	60	58,1	4	4,6	3,4	76,8
26	24	26	26,84	72	70,1	5	6	4	139
33	30	33	34	92	89,8	6	7	5	273
39	36	39	40	110	107,8	8	9,2	6,8	522

Material 1)		Steel	Stainless steel
Mechanical properties	Hardness class	Product grade A: 140 HV Product grade C: 100 HV	140 HV
	Vickers hardness HV 10	Product grade A: 140 to 250 Product grade C: 100 to 250	140 to 250
	Material (steel group)	—	A2, F1, C1, A4 or C4
	As specified in	—	DIN 267 Part 11.
Limit deviations and geometrical tolerances	Product grade	A for sizes up to 17 and C for sizes greater than 17.	
	As specified in	DIN 522.	
Surface finish		Bright. DIN 522 shall apply with regard to surface roughness. DIN 267 Part 9 shall apply with regard to electroplating, any other types of finish being subject to agreement.	
Acceptance inspection		DIN 522 shall apply with regard to acceptance inspection.	

1) Subject to agreement, washers may be made of non-ferrous metals or other materials.