

Plain washers — Normal series — Product grade C

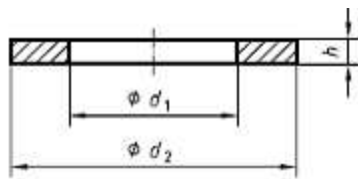


Table 1 — Preferred dimensions

Dimensions in millimetres

Nominal size (Nominal thread diameter, d)	Clearance hole		Outside diameter		Thickness		
	d_1		d_2		h		
	nom. (min.)	max.	nom. (max.)	min.	nom.	max.	min.
1,6	1,80	2,05	4,00	3,25	0,3	0,4	0,2
2	2,40	2,65	5,00	4,25	0,3	0,4	0,2
2,5	2,90	3,15	6,00	5,25	0,5	0,6	0,4
3	3,4	3,7	7,0	6,1	0,5	0,6	0,4
4	4,5	4,8	9,0	8,1	0,8	1,0	0,6
5	5,5	5,8	10,0	9,1	1	1,2	0,8
6	6,60	6,96	12,0	10,9	1,6	1,9	1,3
8	9,00	9,36	16,0	14,9	1,6	1,9	1,3
10	11,00	11,43	20,0	18,7	2	2,3	1,7
12	13,50	13,93	24,0	22,7	2,5	2,8	2,2
16	17,50	17,93	30,0	28,7	3	3,6	2,4
20	22,00	22,52	37,0	35,4	3	3,6	2,4
24	26,00	26,52	44,0	42,4	4	4,6	3,4
30	33,00	33,62	56,0	54,1	4	4,6	3,4
36	39	40	66,0	64,1	5	6	4
42	45	46	78,0	76,1	8	9,2	6,8
48	52,0	53,2	92,0	89,8	8	9,2	6,8
56	62,0	63,2	105,0	102,8	10	11,2	8,8
64	70,0	71,2	115,0	112,8	10	11,2	8,8

Table 3 — Specifications and International Standards of reference

Material ^a	Steel	
Mechanical properties	Hardness class	100 HV
	Hardness range ^b	100 HV to 200 HV
Tolerances	Product grade	C
	International Standard	ISO 4759-3
Surface finish	<p>Plain: i.e. washers to be supplied in natural finish, treated with a protective lubricant or with other coatings as agreed by customer and supplier.</p> <p>Requirements for electroplating covered in ISO 4042.</p> <p>Requirements for non-electrolytically applied zinc flake coatings covered in ISO 10683.</p> <p>All tolerances shall apply prior to the application of a plating or coating.</p>	
Workmanship	Parts shall be free of irregularities or detrimental defects. No protruding burrs shall appear on the washer.	
Acceptability	Acceptance procedure covered in ISO 3289.	
<p>^a Other metallic materials as agreed between customer and supplier.</p> <p>^b Hardness testing according to ISO 6507-1.</p> <p>Test force: HV 2 for nominal thickness $h \leq 0,6$ mm</p> <p>HV 10 for nominal thickness $0,6 < h \leq 1,2$ mm</p> <p>HV 30 for nominal thickness $h > 1,2$ mm</p>		