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Westfield Fasteners Product Specification:

DIN 126 - Flat Washer

This product guide describes one of the many metric sized flat washers specified and available from Westfield Fasteners. This flat washer can be considered to have 'normal' dimensions, which means neither large nor small. The basis of this specification is the DIN standard DIN 126.

Product Description

A flat washer, similar to a DIN 125 Form A flat washer, but with a slightly bigger internal diameter, so that it gives slightly more clearance to the bolt. Designed for use with hexagonal head bolts and nut assemblies, but can of course be used for any application requiring a washer with increased clearances.

Scope of the DIN Standard.

DIN 126 describes this washer as a 'Product grade C washer'. The standard covers steel washers with a hardness class of HV 100, for sizes M5 up to and including M160.

Table 1 below defines the overall dimensions and tolerances of this washer type.

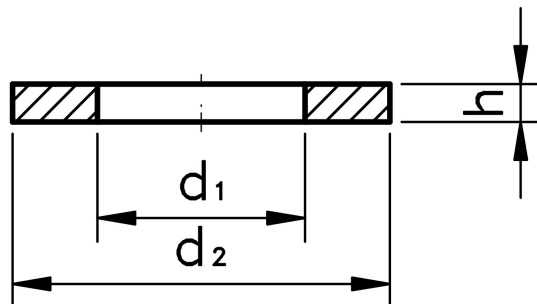


Figure 1: Flat Washer to DIN 126

Table 1: Dimensions & Tolerances according to DIN 126 (mm)

Thread Size	Internal Diameter d_1		External Diameter, d_2		Thickness, h		
	min = nom	max	min	max = nom	nom	min	max
M5	5.5	5.8	9.1	10	1	0.8	1.2
M6	6.6	6.96	10.9	12	1.6	1.3	1.9
M7	7.6	7.96	12.9	14	1.6	1.3	1.9
M8	9	9.36	14.9	16	1.6	1.3	1.9
M10	11	11.43	18.7	20	2	1.7	2.3
M12	13.5	13.93	22.7	24	2.5	2.2	2.8
M14	15.5	15.93	26.7	28	2.5	2.2	2.8
M16	17.5	17.93	28.7	30	3	2.4	3.6
M18	20	20.52	32.4	34	3	2.4	3.6
M20	22	22.52	35.4	37	3	2.4	3.6
M22	24	24.52	37.4	39	3	2.4	3.6
M24	26	26.52	42.4	44	4	3.4	4.6
M27	30	30.52	48.4	50	4	3.4	4.6
M30	33	33.62	54.1	56	4	3.4	4.6
M33	36	37	58.1	60	5	4	6
M36	39	40	64.1	66	5	4	6
M39	42	43	70.1	72	6	5	7
M42	45	46	76.1	78	7	5.8	8.2
M45	48	49	82.8	85	7	5.8	8.2
M48	52	53.2	89.8	92	8	6.8	9.2
M52	56	57.2	95.8	98	8	6.8	9.2
M56	62	63.2	102.8	105	9	7.8	10.2
M60	66	67.2	107.8	110	9	7.8	10.2
M64	70	71.2	112.8	115	9	7.8	10.2
M72	78	79.2	122.5	125	10	8.8	11.2
M80	86	87.4	137.5	140	12	10.4	13.6
M90	96	97.4	157.5	160	12	10.4	13.6
M100	107	108.4	172.5	175	14	12.4	15.6
M110	117	118.4	182.1	185	14	12.4	15.6
M120	127	128.6	207.1	210	16	14.4	17.6
M125	132	133.6	217.1	220	16	14.4	17.6
M130	137	138.6	217.1	220	16	14.4	17.6
M140	147	148.6	237.1	240	18	17.4	19.6
M150	158	159.6	247.1	250	18	17.4	19.6
M160	168	169.6	247.1	250	18	17.4	19.6

For verification of details and for further information please refer to the DIN standard document for this item.
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