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## Westfield Fasteners Product Specification:

### DIN 436 - Square Plate Flat Washers

This product guide contains the specification for metric square plate flat washers, a series of standard parts available from Westfield Fasteners. The basis of this specification is the DIN standard DIN 436.

#### Product Description

Robust flat washer with a large square external shape rather than the more usual round. Often used in timber construction and in applications at risk of seismic activity.

#### Scope of the DIN standard

DIN 436 details the specifications for square washers and specifies the dimensions and tolerances for sizes from M10 up and to including M52. These square plate flat washers are available in carbon steel and stainless steel variants. For any other materials similar dimensions would be used.

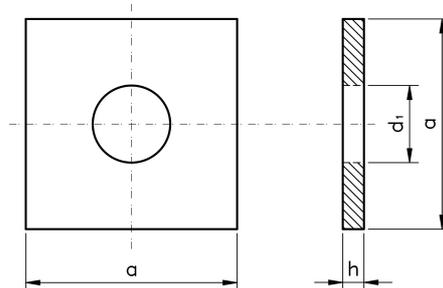


Figure 1: Metric Square Plate Flat Washer

Table 1: Dimensions & Tolerances according to DIN 436 (mm)

To Suit Thread	M10	M12	M16	M20	M22	M24	M27	M30	M33	M36	M39	M42	M45	M48	M52	
Nominal Size	11	13.5	17.5	22	24	26	30	33	36	39	42	45	48	52	56	
d <sub>1</sub>	min=nom	11	13.5	17.5	22	24	26	30	33	36	39	42	45	48	52	56
	max	11.43	13.93	18.2	22.84	24.84	26.84	30.84	34	37	40	43	46	49	53.2	57.2
a	max=nom	30	40	50	60	70	80	90	95	100	110	125	135	140	150	160
	min	28.7	38.4	48.4	58.1	68.1	78.1	87.8	92.8	97.8	107.8	122.5	132.5	137.5	147.5	157.5
h	nom	3	4	5	5	6	6	6	6	6	8	8	8	8	10	10
	max	3.6	4.6	6	6	7	7	7	7	7	9.2	9.2	9.2	9.2	11.2	11.2
	min	2.4	3.4	4	4	5	5	5	5	5	6.8	6.8	6.8	6.8	8.8	8.8

For further details, please refer to the ISO/DIN standard document for this item.

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