



Plain Washers, Spring Lock Washers and Hardened Steel Washers

STANDARDS:-

ASTM/ASME/BS/DIN/BS EN ISO /JIS

MATERIAL:-

Mild Steel, Carbon Steel, Alloy Steel & Stainless Steel.

FINISH AVAILABLE :

Plain, Electro-Galvanized, Hot Dip Galvanized, Zinc Flake, Yellow, Cadmium & Nickel.

SIZE RANGE:-

M6 to M64 in metric series

1/4" to 2-1/2" in imperial

Bigger sizes can be manufactured as per order.

TYPICAL GRADES & STANDARDS:-

DIN 125/A

DIN 127/B

DIN 9021

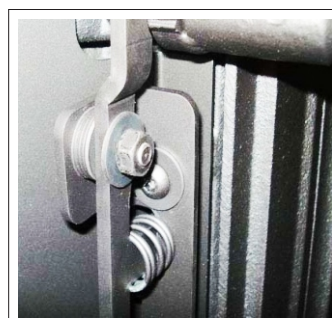
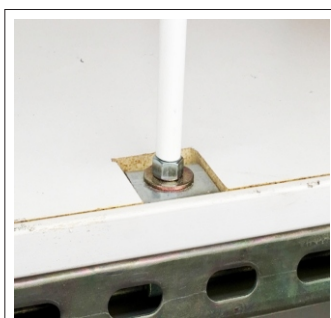
ASTM F436 and F436M

Any other specific grade can be manufactured upon request with short lead times

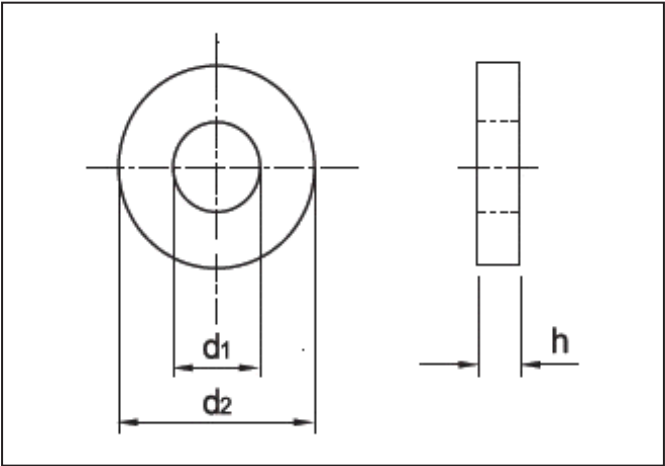
ORDERING INFORMATION:-

Dimensions – Size.

Standard and Grade

APPLICATION EXAMPLES:

DIN 125 FLAT WASHER



WASHER SIZE	INNER DIAMETER (D1)	OUTER DIAMETER (D2)	THICKNESS (H)
M6	6.40	12.00	1.60
M8	8.40	16.00	1.60
M10	10.50	20.00	2.00
M12	13.00	24.00	2.50
M16	17.00	30.00	3.00
M20	21.00	37.00	3.00
M24	25.00	44.00	4.00
M27	28.00	50.00	4.00
M30	31.00	56.00	4.00
M33	34.00	60.00	5.00
M36	37.00	66.00	5.00
M39	40.00	72.00	6.00
M42	43.00	78.00	7.00
M45	46.00	85.00	7.00
M48	50.00	92.00	8.00
M52	54.00	98.00	8.00
M56	58.00	105.00	9.00
M64	66.00	115.00	9.00
M72	74.00	125.00	10.00

F436M WASHER



WASHER SIZE	INNER DIAMETER (D1)		OUTER DIAMETER (D2)		THICKNESS(H)	
	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
12	14.40	14.00	27.00	25.70	4.60	3.10
14	16.40	16.00	30.00	28.70	4.60	3.10
16	18.40	18.00	34.00	32.40	4.60	3.10
20	22.50	22.00	42.00	40.40	4.60	3.10
22	24.50	24.00	44.00	42.40	4.60	3.40
24	26.50	26.00	50.00	48.40	4.60	3.40
27	30.50	30.00	56.00	54.10	4.60	3.40
30	33.60	33.00	60.00	58.10	4.60	3.40
36	39.60	39.00	72.00	70.10	4.60	3.40
42	45.60	45.00	84.00	81.10	7.20	4.60
48	52.70	52.00	95.00	92.80	7.20	4.60
56	62.70	62.00	101.00	104.50	8.70	6.10
64	70.70	70.00	187.00	115.80	8.70	6.10
72	78.70	76.00	130.00	127.50	8.70	6.10

**Hot Dip Galvanizing:-**

STD	COMPONENTS
ASTM A153	Rolled/ Pressed/ steel/ Hardware
ASTM A641	Carbon Steel Wire(Nails/ Straples etc)
ASTM B695	Iron & Steel
ASTM A123	Iron & Steel Anchor Bolts, Fabricated Products
BS EN ISO 461	Heavy Zinc Deposit 388.1 to 76.2 microns

ELECTRO-DEPOSITED Zinc Plating:-

ASTM B633	Iron & Steel Products
BS 3382 PART 2	Bright Finish

ELECTRO-DEPOSITED Cadmium Plating:-

BS 3382 PART 1	Semi- Bright Finish
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ELECTRO-DEPOSITED Nickel Cadmium Plating:-

AMS 2416	Steel
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ELECTRO-DEPOSITED Nickel & Nickel Plus Chromium:-

BS 3382 PART 3 & 4	Steel & Copper Alloy
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PTFE (FLUOROPOLYMER Coating):-

XYLAN 1070	Colour- Red, Medium Dark Blue, Green, Orange, Yellow, Black
XYLAN 1052	Blue
XYLAN 1424	Water Base Blue
xylan standard	Aluminium "cermet" Coating
XYLAN Cobalt Blue 1514	Blue