

Product Information Sheet

FLAT WASHERS, ASTM F436

Typical Material: Carbon Steel

Material and Mechanical Properties: ASTM F436

Dimensions: ASTM F436

Marking: Manufacturers I.D. Mark (some mfg.'s may also mark with "F436", but it is not required by ASTM F436)

F436 washers are available as import and domestic

Zinc Plating: Purchased to meet ASTM F1941 FeZn3A

Hot-Dip Galvanized: Purchased to meet ASTM A153 and/or ASTM F2329

Hardness: Per ASTM F436 (HRC 38-45 for plain and plated washers, HRC 26-45 for hot-dip galvanized washers)



ASTM F436 WASHER DIMENSIONS

Size	O.D.	I.D.	Thickness
1/4	0.593-0.657	0.281-0.313	0.051-0.080
5/16	0.656-0.720	0.344-0.676	0.051-0.080
3/8	0.781-0.845	0.406-0.438	0.051-0.080
7/16	0.781-0.845	0.406-0.438	0.051-0.080
1/2	1.031-1.095	0.531-0.563	0.097-0.177
9/16	1.156-1.220	0.625-0.657	0.097-0.177
5/8	1.281-1.345	0.688-0.720	0.097-0.177
3/4	1.436-1.500	0.813-0.845	0.097-0.177
7/8	1.718-1.872	0.938-0.970	0.097-0.177
1	1.937-2.063	1.063-1.126	0.097-0.177
1 1/8	2.187-2.313	1.188-1.251	0.097-0.177
1 1/4	2.437-2.563	1.375-1.438	0.097-0.177
1 3/8	2.687-2.813	1.500-1.563	0.097-0.177
1 1/2	2.937-3.063	1.625-1.688	0.097-0.177
1 3/4	3.312-3.438	1.875-1.928	0.178-0.280
2	3.687-3.813	2.125-2.188	0.178-0.280
2 1/4	3.937-4.063	2.375-2.438	0.178-0.280
2 1/2	4.437-4.563	2.625-2.688	0.178-0.280
2 3/4	4.937-5.063	2.875-2.938	0.178-0.280
3	5.437-5.563	3.125-3.188	0.178-0.280



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