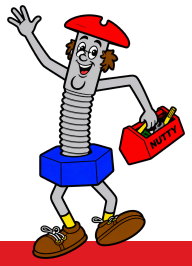
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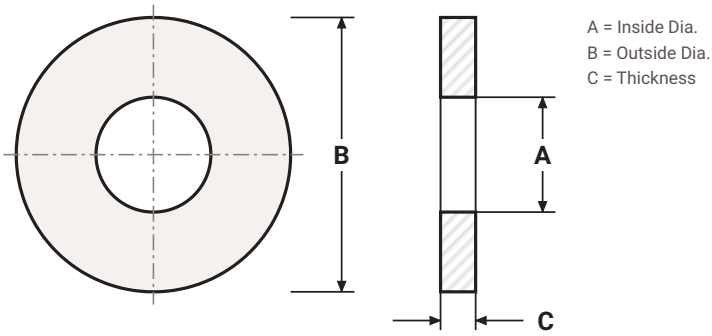
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PRODUCT DATA SHEET

Grade 8 Extra Heavy USS Flat Washers – Yellow Zinc

1.0 Dimensions Inches



A = Inside Dia.
B = Outside Dia.
C = Thickness



Nom. Bolt Size	Inside Diameter (A)	Outside Diameter (B)	Thickness (C)		Approx. Wt. per 100 (lb)	Nutty Stock #
			Max	Min		
1/4	0.312	0.734	0.110	0.090	0.98	HUFW814
5/16	0.375	0.875	0.110	0.090	1.39	HUFW8516
3/8	0.438	1.000	0.126	0.110	2.12	HUFW838
7/16	0.500	1.250	0.126	0.110	3.45	HUFW8716
1/2	0.562	1.375	0.188	0.156	6.03	HUFW812
9/16	0.625	1.469	0.188	0.156	6.77	HUFW8916
5/8	0.688	1.750	0.195	0.170	10.52	HUFW858
3/4	0.812	2.000	0.195	0.170	13.58	HUFW834
7/8	0.938	2.250	0.265	0.235	23.29	HUFW878
1"	1.062	2.500	0.265	0.235	28.52	HUFW81

I.D. and O.D. are basic (nominal) dimensions. Weights are approximate (steel, mid-thickness). Drawing not to scale.

2.0 Material & Properties

Material	Heat treated, high strength alloy steel
Hardness	38 – 45 HRC
Grade	Grade 8 – for use with Grade 8 nuts and bolts
Pattern	USS (larger O.D. than SAE)
Thickness	Extra thick (see table)
Finish	Yellow zinc plated

3.0 Application

- Recommended for use with Grade 8 nuts and bolts – Grade 8 washers do not crush and deform when torque is applied in tightening.
- USS pattern: the larger O.D. spreads the load over a wider bearing area than SAE pattern washers – good for softer materials and oversized holes.
- Common in heavy equipment, truck, trailer, agricultural and machinery assemblies; yellow zinc matches Grade 8 yellow zinc cap screws and nuts.

Disclaimer: The above is a compilation of data from various industry standards. The Nutty Company, Inc. has made every effort to present the data accurately. However, The Nutty Company, Inc. cannot be held liable for any claim traceable to any errors, typographical or otherwise, contained herein.



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