

Product Specifications



1/2" USS Flat Washer

Part number FW12
Category number 4110
UPC 781002310952

Flat Washers are used to increase the surface area of fasteners, in order to evenly distribute the force applied when tightening them to a surface. They are also used to prevent loosening due to vibration, to stop the bolt or screw from pulling through, and act as spacers. They are manufactured from steel and zinc-plated and are manufactured to ASME B18.21.1 standard.



Physical Characteristics

Type	Flat Washer
Size	1/2"
Inside Diameter	0.577" - 0.557"
Outside Diameter	1.405" - 1.368"
Thickness (in)	0.132" - 0.086"
Fits Bolt Sizes	1/2"
Material	Unhardened Carbon Steel
Finish	Zinc Plated

Performance Data

Special Features
Vibration Resistance, Acts as Spacer, Increases Surface Area

Applications
General Purpose

Packaging Details

Standard Qty	50
Sleeve Qty	250
Master Qty	1000
Price Per	100
Package Length	2.18
Package Width	2.92
Package Height	4.31
Package Weight	1.93
Net Weight	0.04

Certifications

RoHS Compliant	Yes
Meets/Exceeds	ASME B18.21.1