

Fender Washers

Low Carbon Fender Washers



- Also known as Plaster washers these special sized bearing washers have an extra-wide bearing size for screw heads to eliminate the need for patching holes. This also permits the using of smaller size screws than might otherwise be needed.

			Galva-nized	Zinc
Nom. Size	Outer Dia.	Inner Dia.	Part No.	Part No.
3/16"	0.750"	0.219"	-	33201
3/16"	1.000"	0.219"	-	33202
3/16"	1.250"	0.219"	-	33203
3/16"	1.500"	0.219"	-	33204
1/4"	1.000"	0.250"	0189944	-
1/4"	1.000"	0.281"	-	33207
1/4"	1.250"	0.250"	0189945	-
1/4"	1.250"	0.281"	-	33208
1/4"	1.500"	0.250"	0189946	-
1/4"	1.500"	0.281"	-	33209
1/4"	1.750"	0.281"	-	33210
1/4"	2.000"	0.281"	-	33211
5/16"	1.000"	0.344"	-	33213
5/16"	1.250"	0.313"	0189947	-
5/16"	1.250"	0.344"	-	33214
5/16"	1.500"	0.313"	0189948	-
5/16"	1.500"	0.344"	-	33215
5/16"	1.750"	0.344"	-	33216
5/16"	2.000"	0.344"	-	33217
3/8"	1.250"	0.406"	-	33219
3/8"	1.500"	0.375"	0189949	-
3/8"	1.500"	0.406"	-	33220
3/8"	1.625"	0.406"	-	33223
3/8"	1.750"	0.406"	-	33221
3/8"	2.000"	0.375"	0189950	-
3/8"	2.000"	0.406"	-	33222
1/2"	1.250"	0.531"	-	33224
1/2"	1.500"	0.531"	-	33225
1/2"	1.750"	0.531"	-	33226
1/2"	2.000"	0.500"	0189951	-
1/2"	2.000"	0.531"	-	33227
1/2"	2.500"	0.531"	-	33228

Low Carbon Steel Flat Fender Washers



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			Thickness	
Nom. Size	Outer Dia.	Inner Dia.	0.125"	0.250"
Part No.	Part No.			
#10	0.750"	0.218"	11101263	-
#10	1.000"	0.218"	11101264	-
1/4"	1.000"	0.281"	11101265	-
1/4"	1.250"	0.281"	11101266	-
1/4"	1.500"	0.281"	11101267	11101286
1/4"	2.000"	0.281"	11101268	-
5/16"	1.000"	0.343"	11101269	-
5/16"	1.250"	0.343"	11101270	-
5/16"	1.500"	0.343"	11101271	-
5/16"	2.000"	0.343"	11101272	-
5/16"	2.000"	0.344"	-	11101287
3/8"	1.250"	0.406"	11101273	-
3/8"	1.500"	0.406"	11101274	-
3/8"	1.750"	0.406"	11101275	-
3/8"	2.000"	0.406"	11101276	11101288
1/2"	1.250"	0.531"	11101277	-
1/2"	1.500"	0.531"	11101278	-
1/2"	1.750"	0.531"	11101279	-
1/2"	2.000"	0.531"	11101280	11101289
1/2"	2.500"	0.531"	11101281	-
5/8"	2.000"	0.656"	11101282	-
5/8"	2.500"	0.656"	-	11101290
3/4"	2.500"	0.812"	11101283	-
3/4"	3.000"	0.812"	-	11101291
7/8"	2.500"	0.937"	11101284	-
7/8"	3.000"	0.906"	-	11101292
1"	2.500"	1.062"	11101285	-
1"	3.250"	1.062"	-	11101293

Dock Washers

Galvanized Dock Washers



			Galvanized
Nominal Size	Outer Diameter	Inner Diameter	Part No.
1/2"	3.000"	0.562"	11103154
5/8"	3.000"	0.687"	11103155
3/4"	3.000"	0.812"	11103156
7/8"	3.000"	0.937"	11103157
1"	3.250"	1.062"	11103158
1-1/4"	4.000"	1.375"	11103159

Square Washers

Square I.D. Washers



			Steel
Nominal Size	Inner Diameter	Outer Diameter	Part No.
#5	0.132"	0.312"	11103144
#8	0.1875"	0.375"	11103145
#10	0.226"	0.500"	11103146
5/16"	0.320"	0.680"	11103147
3/8"	0.385"	0.750"	11103148
3/8"	0.405"	0.700"	11103149
1/2"	0.517"	0.937"	11103150
1/2"	0.555"	1.000"	11103151
9/16"	0.617"	1.125"	11103152
5/8"	0.700"	1.250"	11103153

Square O.D. Washers



			Black Oxide	Galva-nized
Nominal Size	Inner Diameter	Outer Diameter	Part No.	Part No.
1/4"	5/16"	2"	11101243	-
3/8"	7/16"	2"	11101244	11101250
1/2"	9/16"	2"	11101245	11101251
5/8"	11/16"	2"	11101246	11101252
3/4"	13/16"	2"	11101247	11101253
7/8"	15/16"	2"	11101248	11101254
1"	1-1/16"	2"	11101249	-

Square O.D. Washers



			18-8
Nom. Size	Inner Dia.	Outer Dia.	Part No.
1/4"	5/16"	2"	11101256
3/8"	7/16"	2"	11101257
1/2"	9/16"	2"	11101258
5/8"	11/16"	2"	11101259
3/4"	13/16"	2"	11101260
7/8"	15/16"	2"	11101261
1"	1-1/16"	2"	11101262

Structural Washers

Structural Washers

ASTM F436



- Structural Washers to be used with A325 and A490 Structural Bolts

		Plain	Mechanically Galvanized
Nominal Size	Part No.	Part No.	Part No.
1/2"	33117	33172	33172
5/8"	33119	33173	33173
3/4"	33120	33174	33174
7/8"	33121	33175	33175
1"	33122	33176	33176
1-1/8"	33123	33179	33179
1-1/4"	33124	33177	33177
1-3/8"	33125	-	-
1-1/2"	33126	33178	33178
1-3/4"	33128	33196	33196
1-7/8"	33129	-	-
2"	33130	33199	33199

Made in the USA Structural Washers

ASTM F436



- Structural Washers to be used with A325 and A490 Structural Bolts

		Plain	Zinc	Yellow Zinc	Mechanical Galvanized	Hot Dipped Galvanized
Nominal Size	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.
1/2"	0133544	0156023	0156024	0133549	0156022	0156022
5/8"	0133545	0156026	0156027	0133550	0156025	0156025
3/4"	0133546	0156029	0156030	0133551	0156028	0156028
7/8"	0133547	0156032	0156033	0133552	0156031	0156031
1"	0133548	0156035	0156036	0133553	0156034	0156034
1-1/8"	0156052	0156038	0156039	0156053	0156037	0156037
1-1/4"	0156054	0156041	0156042	0156055	0156040	0156040
1-1/2"	0156056	0156044	0156045	0156057	0156043	0156043
1-3/4"	0156058	0156047	-	0156059	-	-
2"	0156060	0156050	0156051	0156061	0156049	0156049

Flat Washers

F436 Extra Thick Flat Washer



			Yellow Zinc
Nom. Size	Outer Dia.	Inner Dia.	Part No.
1/4"	0.625"	0.281"	01611175
5/16"	1.063"	0.680"	01611176
3/8"	1.188"	0.813"	01611177
1/2"	1.063"	1.219"	01611179
5/8"	1.313"	2.031"	01611181
3/4"	1.469"	1.188"	01611182
7/8"	1.750"	1.313"	01611183
1"	2.000"	1.063"	01611184

Load Indicating Washers

Load Indicating Washers

Use with A325 Structural Bolts



- Often referred to as "Direct Tension Indicators", Load Indicating Washers are a simple, accurate and cost effective method for inspecting bolts needing a required level of tension and clamping force.