

F436 HARDENED STEEL WASHER

SUBMITTAL SPECIFICATIONS

ABSTRACT OF ASTM F436

GRADE: HARDENED CARBON STEEL

CHEMICAL REQUIREMENTS

	PHOSPHORUS MAX	SULFUR MAX
HEAT ANALYSIS	0.040	0.050
PRODUCT ANALYSIS	0.050	0.060

DIMENSIONS

BOLT SIZE	OUTSIDE DIAMETER (OD)	INSIDE DIAMETER (ID)	THICKNESS	
			MIN	MAX
1/2"	1 - 1/16"	17/32"	0.097	0.177
5/8"	1 - 5/16"	11/16"	0.122	0.177
3/4"	1 - 15/32"	13/16"	0.122	0.177
7/8"	1 - 3/4"	15/16"	0.136	0.177
1"	2"	1 - 1/8"	0.136	0.177
1 - 1/8"	2 - 1/4"	1 - 1/4"	0.136	0.177
1 - 1/4"	2 - 1/2"	1 - 3/8"	0.136	0.177
1 - 3/8"	2 - 3/4"	1 - 1/2"	0.136	0.177
1 - 1/2"	3"	1 - 5/8"	0.136	0.177

DIMENSIONS TOLERANCES

	TO 1 - 1/2" NOMINAL BOLT SIZE INCL
NOMINAL DIAMETER OF HOLE, INCHES	-0, +1/32"
NOMINAL OUTSIDE DIAMETER, INCHES	± 1/32"

ADDITIONAL INFORMATION: THROUGH HARDENED WASHERS SHALL HAVE A HARDNESS OF 38 TO 45 HRC, EXCEPT WHEN ZINC COATED BY THE HOT DIP PROCESS, IN WHICH CASE THEY SHALL HAVE A HARDNESS OF 26 TO 45 HRC.

TRIPAC

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