



DESIGNATOR	A	B	C	ANSI SIZE
FWC12b	$1\frac{5}{32}$ [14.0]	$6\frac{1}{64}$ [27.0]	0.051 [3.1]	$\frac{7}{16}$ [12]
FWC14b	$1\frac{7}{32}$ [16.0]	$1\frac{3}{32}$ [30.0]	0.097 [3.1]	$\frac{1}{2}$ [14]
FWC16b	$1\frac{1}{16}$ [18.0]	$1\frac{11}{32}$ [34.0]	0.122 [3.1]	$\frac{5}{8}$ [16]
FWC20b	$1\frac{3}{16}$ [22.0]	$1\frac{1}{2}$ [42.0]	0.122 [3.1]	$\frac{3}{4}$ [20]
FWC22b	$1\frac{5}{16}$ [24.0]	$1\frac{25}{32}$ [44.0]	0.136 [3.4]	$\frac{7}{8}$ [22]
FWC24b	$1\frac{1}{8}$ [26.0]	$2\frac{1}{32}$ [50.0]	0.136 [3.4]	1 [24]
FWC27b	$1\frac{1}{4}$ [30.0]	$2\frac{9}{32}$ [56.0]	0.136 [3.4]	$1\frac{1}{8}$ [27]
FWC30b	$1\frac{3}{8}$ [33.0]	$2\frac{17}{32}$ [60.0]	0.136 [3.4]	$1\frac{1}{4}$ [30]
FWC36b	$1\frac{1}{2}$ [39.0]	$2\frac{25}{32}$ [72.0]	0.136 [3.4]	$1\frac{3}{8}$ [36]

HARDENED ROUND WASHER

FWC12b-36b

SHEET NO.

DATE:

1 OF 2

2006

SPECIFICATIONS

Hardened steel washers shall be manufactured according to the requirements of AASHTO M293M (ASTM A436M). If zinc-coated plain steel washers are required, they shall be treated according to either AASHTO M232 (ASTM A153) for Class D or AASHTO M298 (ASTM B695) for Class 50.

Dimensional tolerances not shown or implied are intended to be those consistent with the proper functioning of the part, including its appearance and accepted manufacturing practices.

INTENDED USE

Hardened steel washers are used in a variety of applications in several barrier systems. These washers are generally used with AASHTO M164M (ASTM A325M) high-strength structural bolts and ASHTO M291M (ASTM A563M) high-strength heavy-hex nuts such as those shown in this guide for FBX16b-36b high-strength bolts and nuts.

HARDENED ROUND WASHER

FWC12b-36b

SHEET NO.

DATE

2 of 2