

NOMINAL MAIN SIZE	PIPE OD RANGE	SADDLE TYPE (BR2S)	THREAD TYPE	AVAILABLE TAP DIAMETERS					
				.50"	.75"	1"	1.25	1.5"	2"
4"	4.74"-5.32"	BR2S0474	CC OR IP	050	075	100	—	—	—
	4.74"-5.10"	BR2S0474	CC OR IP	—	—	—	125	125	125
	5.10"-5.40"	BR2S0510	CC OR IP	—	—	—	125	150	200
6"	6.84"-7.45"	BR2S0684	CC OR IP	050	075	100	125	150	200
8"	8.99"-9.67"	BR2S0899	CC OR IP	050	075	100	125	150	200
10"	11.04"-12.12"	BR2S1104	CC OR IP	050	075	100	125	150	200
12"	13.14"-14.58"	BR2S1314	CC OR IP	050	075	100	125	150	200
14"	15.22"-16.88"	BR2S1522	CC OR IP	050	075	100	125	150	200
16"	17.32"-19.19"	BR2S1732	CC OR IP	050	075	100	125	150	200

TO DETERMINE PART NUMBER
CONCATENATE THE FOLLOWING STRING WITH NO SPACES OR COMMAS:

TYPE, THREAD TYPE, TAP DIA, AND OPTIONS

EXAMPLES:
BR2S0474CC100
BR2S0899IP200FN
BR2S0899CC150FNEP

OPTION CODES SHOULD BE USED IN ORDER SHOWN IN CHART.
EXAMPLE: BR2SxxxxODC900FNEP

IP STANDS FOR AWWA IP THREAD (FIPT)
CC STANDS FOR AWWA TAPER THREAD (CC)

1.25" ONLY AVAILABLE IN AWWA IP THREAD.

—: DESIGNATES THAT SIZE/APPLICATION IS NOT AVAILABLE.

DEFAULT O-RING MATERIAL IS NBR.

ALL ASSEMBLIES NSF-61 CERTIFIED.

ALL ASSEMBLIES HAVE 200 PSI PRESSURE RATING.

OPTION CODE LIST	
OPTION CODE	DESCRIPTION
OD	SADDLE IS PRE-FORMED TO SPECIFIED PIPE OD. OD MUST BE SPECIFIED USING 4-DIGIT SIZE CODE.
ODC900	SADDLE IS PRE-FORMED TO SPECIFIED PIPE OD. "C900" STAMPED ON SADDLE BODY. OD MUST BE SPECIFIED USING 4-DIGIT SIZE CODE. AVAILABLE SIZES: 4" - 0480 6" - 0690 8" - 0905 10" - 1110 12" - 1320
FN	BRASS FLANGE NUT ILO STAINLESS STEEL NUT. CANNOT BE COMBINED WITH -A OPTION CODE. SEE IMAGE BELOW.
EP	EPDM O-RING OPTION. WILL BE STAMPED "EPDM" ON BODY. *ONLY AVAILABLE ON SPECIFIC SIZES*
-A	DOMESTICALLY-SOURCED HARDWARE. WILL HAVE GREEN-COATED NUTS ILO BLUE. SEE IMAGE BELOW. *ONLY AVAILABLE ON SPECIFIC SIZES*

"EPDM STAMP LOCATION
FOR "EP" OPTION CODE

TAPPING SIZE (SEE TABLE)

O-RING CENTERED IN GROOVE
FOR SOLID RETENTION
AND PROPER SEALING

SADDLE
CAST LEAD FREE
BRASS ALLOY

NUT
304 STAINLESS
STEEL
TEFLON COATED

STRAP
STAINLESS STEEL
304L
WELDED STUDS

FLANGE NUT OPTION

"FN" OPTION FLANGE NUT
CAST BRASS ALLOY 83600 /
FORGED BRASS ALLOY C69300

-A OPTION

-A OPTION
304 STAINLESS STEEL
TEFLON COATED - GREEN
DOMESTICALLY SOURCED

SMALL BOSS SADDLE
TAPS 0.50"-1.00"

LARGE BOSS SADDLE
TAPS 1.25"-2.00"

CURRENT DESIGN

UPDATED DESIGN

REV

ECR

DESCRIPTION

DRAWN BY

DATE

APPROVED

C		UPDATED DRAWING NAME TO SUBMITTAL, BR2S REMOVED "18"-24" RANGE (COVERED IN A DIFFERENT SUBMITTAL). ADDED EXTRA VIEWS FOR LARGE BOSS. ADDED CLARIFICATION FOR DIFFERENCES IN CURRENT AND UPDATED DESIGNS. REMOVED TOLERANCES FROM TITLE BLOCK. ADDED VIEW TO SHOW "FN" OPTION CODE.	ETB	03/24/2025	
D		ADDED PRESSURE RATING.	ETB	07/09/2025	
E		ADDED 14" AND 16" DIAMETERS TO EPDM O-RING OPTION. CORRECTED TYPO ON DRAWING TITLE. ADDED FORGED FLANGE NUT INFORMATION. ADDED -A OPTION CODE INFORMATION. CREATED OPTION CODE LIST. ADDED INFORMATION AROUND OD FORMING TO OPTION CODE LIST.	ETB	06/04/2026	
F			ETB	08/31/2026	

INTERPRET THIS DRAWING
IN ACCORDANCE WITH
ASME Y14.5 2018

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.
CASTING TOLERANCES:

N/A

NAME	DATE	THIRD ANGLE PROJECTION
DRAWN BY ETB	Aug-27-24	
D.E. APPR.		
M.E. APPR.		
Q.A. APPR.		

DO NOT SCALE DRAWING

— = CRITICAL () = REFERENCE

TITLE:
4"-16" BR-STYLE SERVICE SADDLE
BRONZE SERVICE SADDLE
WITH DOUBLE STAINLESS STEEL STRAPS

SIZE
D

DWG. NUMBER
SUBMITTAL_BR2S

REV
F

TITLE TO AND OWNERSHIP OF THIS
ENGINEERING DATA REMAINS IN Mueller Co.
ASSENT ON THE PART OF THE RECIPIENT TO
THESE CONDITIONS IS PRESUMED.

MATERIAL: SEE PRINT

STK NUMBER:

REF NO.

SCALE: 0.500

WIT:

SHEET 1 OF 1