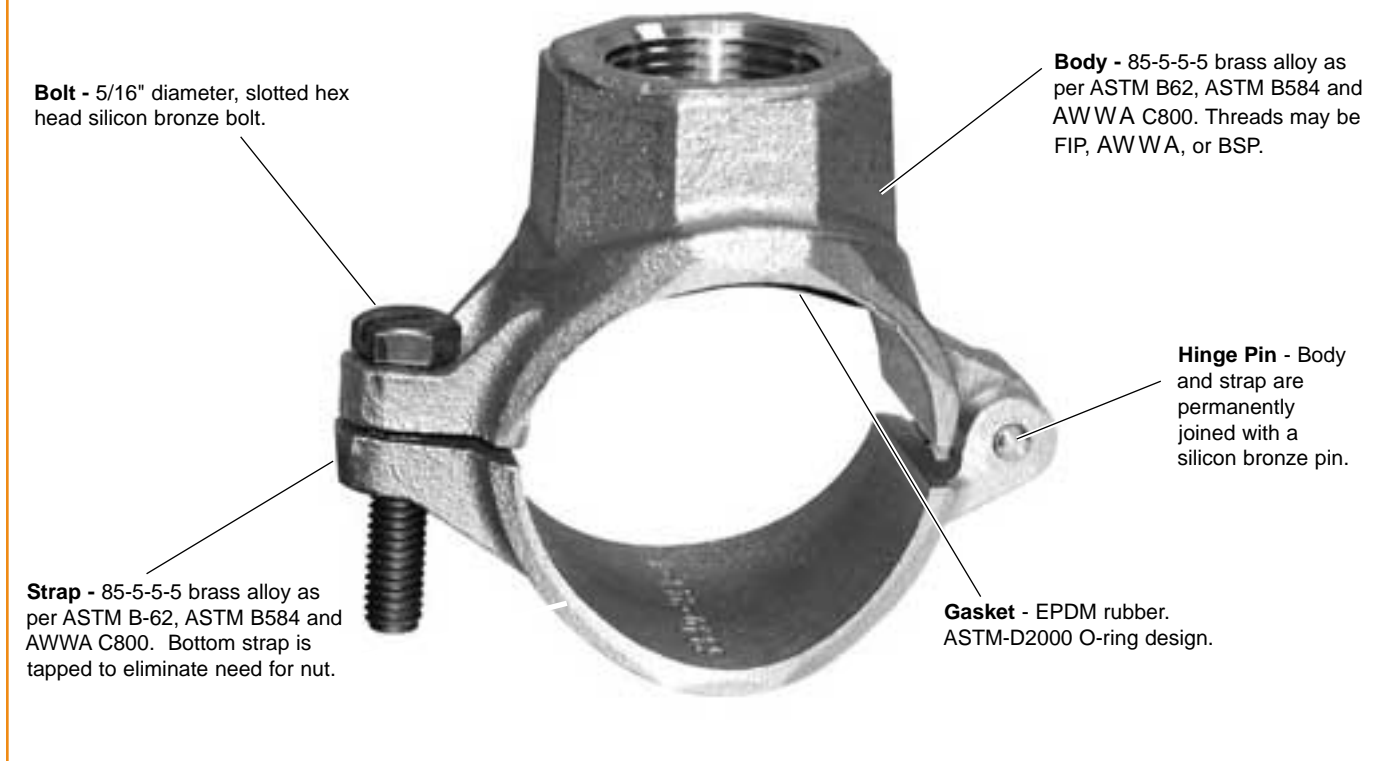


Ford Brass Saddles Style S40 and S41

For Copper Tubing

Specifications

Hinged S40 or S41



COPPER TUBING SIZE	ACTUAL O.D.	AWWA TAP CATALOG NUMBER S40	IP TAP CATALOG NUMBER S41	TAP SIZE	APPROX. WT. LBS.	STD. PKG. QTY.
2"	2.13	S40-201	S41-201	1/2"	-	6
		S40-203	S41-203	3/4"	-	6
		S40-204	S41-204	1"	-	6

Saddle Style, Design and Bolt Chart

SADDLE STYLE	COPPER TUBING SIZE	TAP SIZE	DESIGN	NO. OF BOLTS	SADDLE SCREW AND BOLT SIZE	BOLT CAT. No.
S40 / S41	2"	1/2", 3/4" and 1"	Hinged	1 per saddle	5/16"x1-1/2"	SADDLE-SCREW800181

Ford Brass Saddles Style S70 and S71

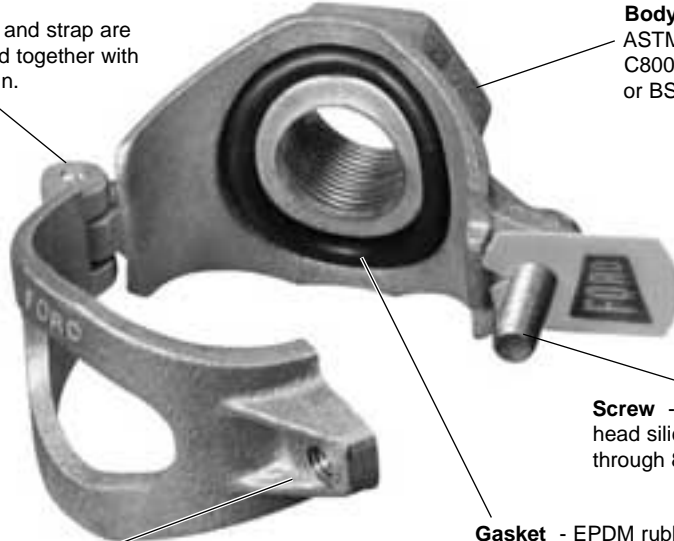
For Standard PVC Pipe
Specifications

Hinged S70

Hinge Pin - Body and strap are permanently joined together with a silicon bronze pin.



LXI Products meet
ANSI/NSF Standard 61
see page 2



Body - 85-5-5-5 brass alloy as per ASTM B-62, ASTM B584 and AWWA C800. Threads may be FIP, AWWA, or BSP.

Screw - 5/16" diameter, slotted 1/2" hex head silicon bronze bolt used on 1-1/2" through 8" saddles, with 3/4" and 1" taps.

Gasket - EPDM rubber, ASTM D2000 O-ring design.

Strap - 85-5-5-5 brass alloy as per ASTM B62, ASTM B584 and AWWA C800. Bottom strap is tapped to eliminate need for nut.

S70 1-1/2" - 8" (Design may vary on certain sizes - see catalog listing).

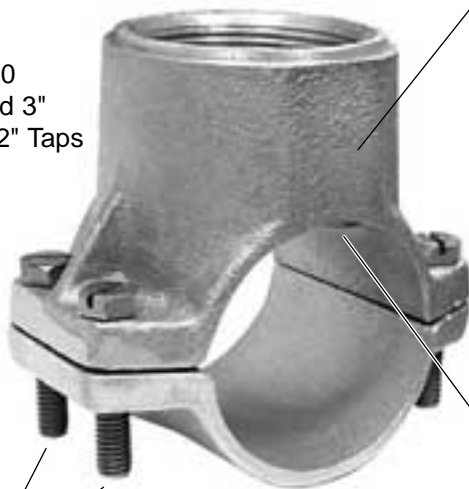
Bolted S70

Body - 85-5-5-5 brass alloy as per ASTM B62, ASTM B584 and AWWA C800. Threads may be FIP, AWWA, or BSP.



LXI Products meet
ANSI/NSF Standard 61
see page 2

S70
2" and 3"
1-1/4" - 2" Taps



Bolts - 5/16" (1/2" hex head) or 3/8" (9/16" hex head) silicon bronze bolts. Body casting tapped to eliminate need for nut.

Gasket - EPDM rubber, ASTM D2000 O-ring design.



S70
10" and 12"

Bolts - 1/2" (3/4" hex head) silicon bronze bolts, nuts and washers.

Ford Brass Saddles Style S70 and S71





LXI Products meet
ANSI/NSF Standard 61
see page 2

For Standard PVC Pipe

Ford Saddles are cast from certified 85-5-5 waterworks brass and machined to rigid specifications. Their ample width and preformed radius provide greater distribution of clamping pressures to avoid crushing the pipe.

Design "A" (hinged) saddles install as a single unit with no loose parts to lose in the ditch. (Designs may vary - see below.) The upper and lower castings are permanently hinged together with silicon bronze pin and the silicon bronze bolt has a retainer on it to prevent loss during shipment and installation. The retainer tag identifies the tap style and size. The lower casting is tapped to accept the bolt so that nuts are not required. PVC pipe may expand under high pressure causing damage to over-tightened saddles. BSP, British Standard Pipe, threads are available by request.

Ford's convenient marking system quickly and easily identifies the type of thread in the boss. For AWWA tapered thread the top edge of the boss has a machined groove around the top outside edge while the boss for iron pipe thread is smooth.

	PVC PIPE SIZE	ACTUAL PIPE O.D.	AWWA CAT. No. S70	IP TAP CAT. No. S71	TAP SIZE	DESIGN	APPROX. WT. LBS.	STD. PKG. QTY.
Design A Hinged Design 	1-1/2"	1.900	S70-151	S71-151	1/2"	A	1.0	-
			S70-153	S71-153	3/4"	A	1.0	10
	2"	2.375	S70-201	S71-201	1/2"	A	1.4	6
			S70-203	S71-203	3/4"	A	1.1	6
			S70-204	S71-204	1"	A	1.0	6
			S70-205	S71-205	1-1/4"	B	3.6	-
			S70-206	S71-206	1-1/2"	B	3.4	-
	2-1/2"	2.875	S70-253	S71-253	3/4"	A	1.7	10
			S70-254	S71-254	1"	A	1.6	10
			S70-255	S71-255	1-1/4"	B	3.8	-
	3"	3.500	S70-256	S71-256	1-1/2"	B	3.6	-
			S70-301	S71-301	1/2"	A	1.9	4
S70-303			S71-303	3/4"	A	1.8	4	
Design B 2-Piece Bolted Design 	4"	4.500	S70-304	S71-304	1"	A	1.7	4
			-	S71-307	2"	B	3.5	4
	5"	5.563	S70-401	S71-401	1/2"	A	2.2	2
			S70-403	S71-403	3/4"	A	2.1	2
			S70-404	S71-404	1"	A	2.0	2
			S70-406	S71-406	1-1/2"	A	4.1	6
			S70-407	S71-407	2"	A	4.8	6
	6"	6.625	S70-503	S71-503	3/4"	A	2.6	4
			S70-504	S71-504	1"	A	2.5	4
			S70-601	S71-601	1/2"	A	2.9	6
S70-603			S71-603	3/4"	A	2.8	6	
S70-604			S71-604	1"	A	2.8	6	
8"	8.625	S70-606	S71-606	1-1/2"	A	5.9	4	
		S70-607	S71-607	2"	A	5.1	4	
		S70-803	S71-803	3/4"	A	3.6	6	
		S70-804	S71-804	1"	A	3.6	6	
		S70-806	S71-806	1-1/2"	A	5.8	4	
		S70-807	S71-807	2"	A	5.6	4	
		10"	10.75	S70-1003	S71-1003	3/4"	C	7.0
S70-1004	S71-1004			1"	C	7.0	5	
S70-1006	S71-1006			1-1/2"	C	10.4	2	
S70-1007	S71-1007			2"	C	10.7	2	
12"	12.75			S70-1203	S71-1203	3/4"	C	8.1
		S70-1204	S71-1204	1"	C	7.8	3	
		S70-1206	S71-1206	1-1/2"	C	11.3	2	
		S70-1207	S71-1207	2"	C	10.9	2	

Saddle Style, Design and Bolt Chart

SADDLE STYLE	PVC PIPE SIZE	TAP SIZE	DESIGN	No. OF BOLTS	SADDLE SCREW AND BOLT SIZE	BOLT CAT. No.
S70 / S71	1-1/2" thru 8"	3/4" and 1"	Hinged	1 per saddle	5/16"x1-1/2"	SADDLE-SCREW800181
	2"	1-1/4" and 1-1/2"	2 Piece	4 per saddle	5/16"x1-1/2"	SADDLE-SCREW800181
	2-1/2"	1-1/4" and 1-1/2"	2 Piece	4 per saddle	3/8"x2"	SADDLE-SCREW800233
	3"	2"	2 Piece	4 per saddle	3/8"x1-1/2"	SADDLE-BOLT-800224
	4" thru 8"	1-1/2" and 2"	Hinged	2 per saddle	5/16"x1-1/2"	SADDLE-SCREW800181
	10" and 12"	3/4" and 1"	3 Piece	3 per saddle	1/2"x3"	*SADDLE-BOLT-800287
	10" and 12"	1-1/2" and 2"	3 Piece	6 per saddle	1/2"x3"	*SADDLE-BOLT-800287

* Requires nut. Catalog number: SADDLE-NUT-800490

Ford Brass Saddles Style S90 and S91

For C900 PVC Pipe

Specifications

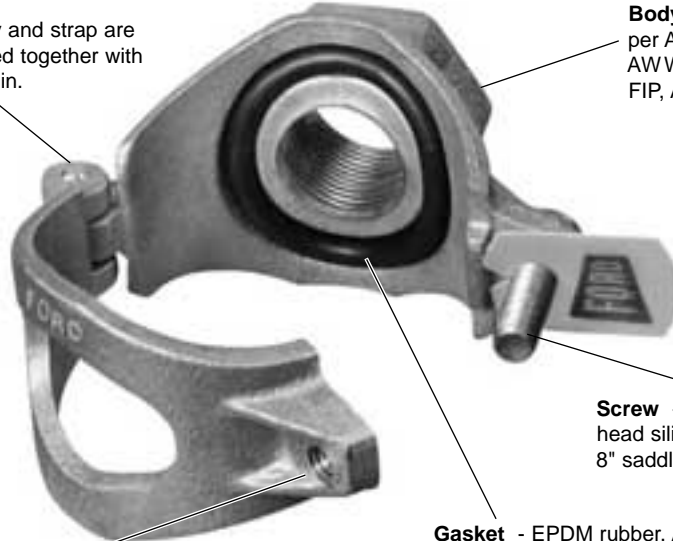
Hinged S90

Hinge Pin - Body and strap are permanently joined together with a silicon bronze pin.

Body - 85-5-5-5 brass alloy as per ASTM B62, ASTM B584 and AWWA C800. Threads may be FIP, AWWA, or BSP.



LXI Products meet ANSI/NSF Standard 61 see page 2



Screw - 5/16" diameter, slotted 1/2" hex head silicon bronze bolt used on 2" through 8" saddles.

Gasket - EPDM rubber, ASTM D2000 O-ring design.

Strap - 85-5-5-5 brass alloy as per ASTM B62, ASTM B584 and AWWA C800. Bottom strap is tapped to eliminate need for nut.

S90 2" - 8" (Design may vary on certain sizes - see catalog listing).

Bolted S90

Body - 85-5-5-5 brass alloy as per ASTM B62, ASTM B584 and AWWA C800. Threads may be FIP, AWWA, or BSP.



LXI Products meet ANSI/NSF Standard 61 see page 2



S90
10" - 12"
3/4" and 1" taps
(Designs may vary with size - see catalog listing)

Bolts - 1/2" (3/4" hex head) or 3/8" (9/16" hex head) silicon bronze bolts. Body casting tapped to eliminate need for nut.



S90
10" and 12"
1-1/2" and 2" taps

Gasket - O-ring design EPDM rubber, ASTM D2000.

Bolts - 1/2" diameter (3/4" hex head) silicon bronze bolts, nuts and washers.

Ford Brass Saddles Style S90 and S91

For C900 PVC Pipe






LXI Products meet
ANSI/NSF Standard 61
see page 2

Ford Saddles are cast from certified 85-5-5-5 waterworks brass and machined to rigid specifications. Their ample width and preformed radius provide greater distribution of clamping pressures to avoid crushing the pipe.

Design "A" (hinged) saddles install as a single unit with no loose parts to lose in the ditch. (Designs may vary - see below.) The upper and lower castings are permanently hinged together with silicon bronze pin and the silicon bronze bolt has a retainer on it to prevent loss during shipment and installation. The retainer tag identifies the tap style and size. The lower casting is tapped to accept the bolt so that nuts are not required. PVC pipe may expand under high pressure causing damage to over-tightened saddles. BSP, British Standard Pipe, threads are available by request.

Ford's convenient marking system quickly and easily identifies the type of thread in the boss. For AWWA tapered thread the top edge of the boss has a machined groove around the top outside edge while the boss for iron pipe thread is smooth.

S90 and S91 Saddles for C900 PVC Pipe

	PVC PIPE SIZE	ACTUAL PIPE O.D.	AWWA CAT. No. S90	IP TAP CAT. No. S91	TAP SIZE	DESIGN	APPROX. WT. LBS.	STD. PKG. QTY.
Design A Hinged Design 	2"	2.50	S90-201	S91-201	1/2"	A	.9	15
			S90-203	S91-203	3/4"	A	1.1	6
	4"	4.80	S90-401	S91-401	1/2"	A	-	-
			S90-403	S91-403	3/4"	A	1.8	10
			S90-404	S91-404	1"	A	2.0	10
			S90-406	S91-406	1-1/2"	A	6.5	6
Design B 2-Piece Bolted Design 	6"	6.90	S90-601	-	1/2"	A	-	-
			S90-603	S91-603	3/4"	A	2.6	5
			S90-604	S91-604	1"	A	2.6	5
			S90-606	S91-606	1-1/2"	A	8.9	4
	8"	9.05	S90-801	S91-801	1/2"	A	3.6	5
			S90-803	S91-803	3/4"	A	2.8	5
Design C 3-Piece Bolted Design 	10"	11.10	S90-804	S91-804	1"	A	3.2	5
			S90-806	S91-806	1-1/2"	A	8.0	4
	12"	13.20	S90-807	S91-807	2"	A	8.5	4
			S90-1003	S91-1003	3/4"	B	9.3	5
	10"	11.10	S90-1004	S91-1004	1"	B	9.2	5
			S90-1006	S91-1006	1-1/2"	C	10.5	2
12"	13.20	S90-1007	S91-1007	2"	C	10.5	2	
		S90-1203	S91-1203	3/4"	B	11.1	4	
12"	13.20	S90-1204	S91-1204	1"	B	11.0	4	
		S90-1206	S91-1206	1-1/2"	C	11.5	2	
12"	13.20	S90-1207	S91-1207	2"	C	11.0	2	

S902 and S912 Two-Piece Bolted Saddles for C900 PVC Pipe

4"	4.80	S902-403	S912-403	3/4"	B	3.2	5
		S902-404	S912-404	1"	B	2.9	5
6"	6.90	S902-603	S912-603	3/4"	B	4.6	5
		S902-604	S912-604	1"	B	4.5	5
8"	9.05	S902-803	S912-803	3/4"	B	5.5	5
		S902-804	S912-804	1"	B	5.4	5

Note: 10" and 12" S90 and S91 saddles with 3/4" and 1" taps are also a two-piece bolted design. Larger saddles, style 202BS, designed for C900 PVC are listed on page 22.

Saddle Style, Design and Bolt Chart

SADDLE STYLE	PVC PIPE SIZE	TAP SIZE	DESIGN	NO. OF BOLTS	SADDLE SCREW AND BOLT SIZES	BOLT CAT. No.
S90 / S91	2" thru 8"	3/4" and 1"	Hinged	1 per saddle	5/16"x1-1/2"	SADDLE-SCREW800181
	4" thru 8"	1-1/2" and 2"	Hinged	2 per saddle	5/16"x1-1/2"	SADDLE-SCREW800181
	10" and 12"	3/4" and 1"	2 Piece	2 per saddle	1/2"x3"	*SADDLE-BOLT-800287
	10" and 12"	1-1/2" and 2"	3 Piece	6 per saddle	1/2"x3"	*SADDLE-BOLT-800287
S902 / S912	4" thru 8"	3/4" and 1"	2 Piece	2 per saddle	3/8"x2"	SADDLE-SCREW800233

* Requires nut. Catalog number: **SADDLE-NUT-800490**

Ford Brass Saddles Style 101B and 202B

101B, 3/4" and 1" Taps
202B, 3/4" through 2" Taps

Specifications

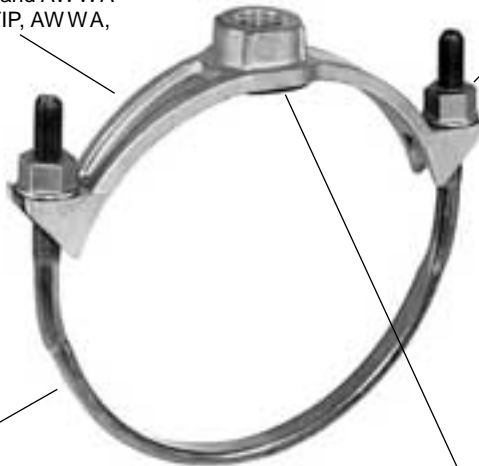
101B

Body - 85-5-5-5 brass alloy as per ASTM B62, ASTM B584 and AWWA C800. Threads may be FIP, AWWA, or BSP.

Nuts - 5/8" 85-5-5-5 brass alloy as per ASTM B62, ASTM B584 and AWWA C800 with integral washers.



LXI Products meet
ANSI/NSF Standard 61
see page 2



One side of the saddle body has a closed bolt lug for easy installation.

Strap - 5/8" high quality silicon bronze flattened to provide a wider bearing surface against pipe.

Gasket - EPDM rubber ASTM D2000

202B

Nuts - 5/8" 85-5-5-5 brass alloy as per ASTM B62, ASTM B584 and AWWA C800 with integral washers.

One side of saddle body has closed bolt lugs for easy installation.



LXI Products meet
ANSI/NSF Standard 61
see page 2



Body - 85-5-5-5 brass alloy as per ASTM B62, ASTM B584 and AWWA C800. Threads may be FIP, AWWA, or BSP.

Straps - 5/8" high quality silicon bronze flattened to provide a wider bearing surface against pipe.

Gasket - EPDM rubber ASTM-D2000

OUTLET THREAD TAP CODE

CC (AWWA) THREAD		FIP THREAD		BSP THREAD	
THREAD	CODE	THREAD	CODE	THREAD	CODE
3/4" CC	CC3	3/4" IP	IP3	3/4" BSP	BSP3
1" CC	CC4	1" IP	IP4	1" BSP	BSP4
1-1/2" CC	CC6	1-1/2" IP	IP6	1-1/2" BSP	BSP6
2" CC	CC7	2" IP	IP7	2" BSP	BSP7

Ford Brass Saddles Styles 101B and 202B



LXI Products meet
ANSI/NSF Standard 61
see page 2

101B, 3/4" and 1" Taps 202B, 3/4" through 2" Taps

Ford's single strap 101B, and double strap 202B, brass saddles are designed with built-in flexibility to cover asbestos-cement and/or cast iron size pipe. The body of the saddle is sized to fit class 200 asbestos-cement but will bend during installation to conform to the smaller size cast iron or ductile iron material. This eliminates double inventory and guess work when going to the job site.

The body and the nuts of Ford brass saddles are cast from certified 85-5-5 water works brass conforming to the AWWA C800 standard. The straps are high-quality silicon bronze flattened to provide a wide bearing surface against the pipe. The large EPDM rubber gasket is grooved to conform to the pipe surface and bonded in place for easy installation.

Ford's convenient marking system quickly and easily identifies the type of thread in the boss. For AWWA tapered thread, the boss has a machined groove around the top outside edge while the boss for iron pipe thread is smooth.

Style 101B Single Strap Brass Saddles For 3/4" and 1" Taps



NOM. PIPE SIZE	O.D. RANGE	CATALOG NUMBER	APPROX. WT. LBS.	STD. PKG. QTY.
4"	4.80-5.40	101B-540-Tap	3.0	10
6"	6.90-7.50	101B-750-Tap	3.8	10
8"	9.05-9.62	101B-962-Tap	4.4	10
10"	11.10-12.12	101B-1212-Tap	5.4	10
12"	13.20-14.38	101B-1438-Tap	5.9	8

To Order: Add tap code number from the table at the bottom of page 19 to the catalog number. For example, a saddle for 6" cast iron pipe with a 3/4" CC tap would be 101B-750-CC3. A saddle for 8" cast iron pipe with 1" iron pipe tap would be a 101B-962-IP4.

Style 202B Double Strap Brass Saddles For 3/4" through 2" Taps



NOM. PIPE SIZE	O.D. RANGE	CATALOG NUMBER	APPROX. WT. LBS. 3/4" & 1" TAPS	STD. PKG. QTY.	APPROX. WT. LBS. 1-1/2" TAP	STD. PKG. QTY.	APPROX. WT. LBS. 2" TAP	STD. PKG. QTY.
4"	4.80-5.40	202B-540-Tap	6.6	6	7.1	6	N/A	N/A
	4.80-5.10	202B-510-Tap	N/A	N/A	N/A	N/A	7.3	6
	5.10-5.40	202B-540-Tap	N/A	N/A	N/A	N/A	7.3	6
6"	6.90-7.50	202B-750-Tap	7.7	4	7.9	4	8.4	4
8"	9.05-9.62	202B-962-Tap	8.8	4	9.3	4	9.4	4
10"	11.10-12.12	202B-1212-Tap	10.7	6	11.3	4	11.3	4
12"	13.20-14.38	202B-1438-Tap	11.8	3	11.9	3	13.3	3
14"	15.30-16.25	202B-1625-Tap	18.0	1	17.5	1	17.5	1
16"	16.30-17.25	202B-1725-Tap	19.1	1	18.6	1	18.6	1
	17.40-18.40	202B-1840-Tap	23.0	1	22.5	1	22.5	1
	18.50-19.25	202B-1925-Tap	24.0	1	23.5	1	23.5	1
18"	19.50-20.50	202B-2050-Tap	25.0	1	24.5	1	24.5	1
20"	21.20-22.20	202B-2220-Tap	25.5	1	25.0	1	25.0	1
	22.50-23.50	202B-2350-Tap	25.7	1	25.2	1	25.2	1
24"	23.80-24.80	202B-2480-Tap	26.0	1	25.5	1	25.5	1
	25.60-26.50	202B-2650-Tap	26.5	1	26.0	1	26.0	1
30"	31.74-32.74	202B-3274-Tap	27.0	1	26.5	1	26.5	1

Please Note: 4" saddles with 2" taps have limited range as listed above, i.e. 4.80-5.10 and 5.10-5.40. All other tap sizes have a standard range of 4.80-5.40.

To Order: Add tap code from the table at the bottom of page 19 to the catalog number. For example, a saddle for 12" cast iron pipe with 1" CC tap would be 202B-1438-CC4.

Ford Brass Saddles Styles 101BS and 202BS

With Stainless Steel Band and Bolts for PVC Pipe for 3/4" through 2" Taps

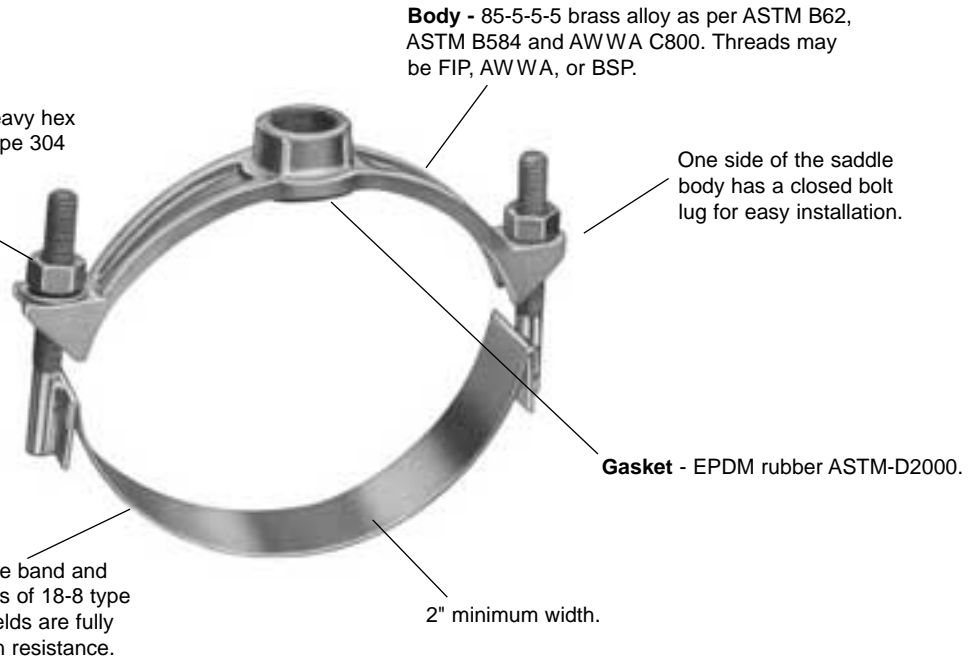
Specifications

101BS

Nuts and Washers - 5/8" coated heavy hex nuts and washers made from 18-8 type 304 stainless steel.



LXI Products meet
ANSI/NSF Standard 61
see page 2

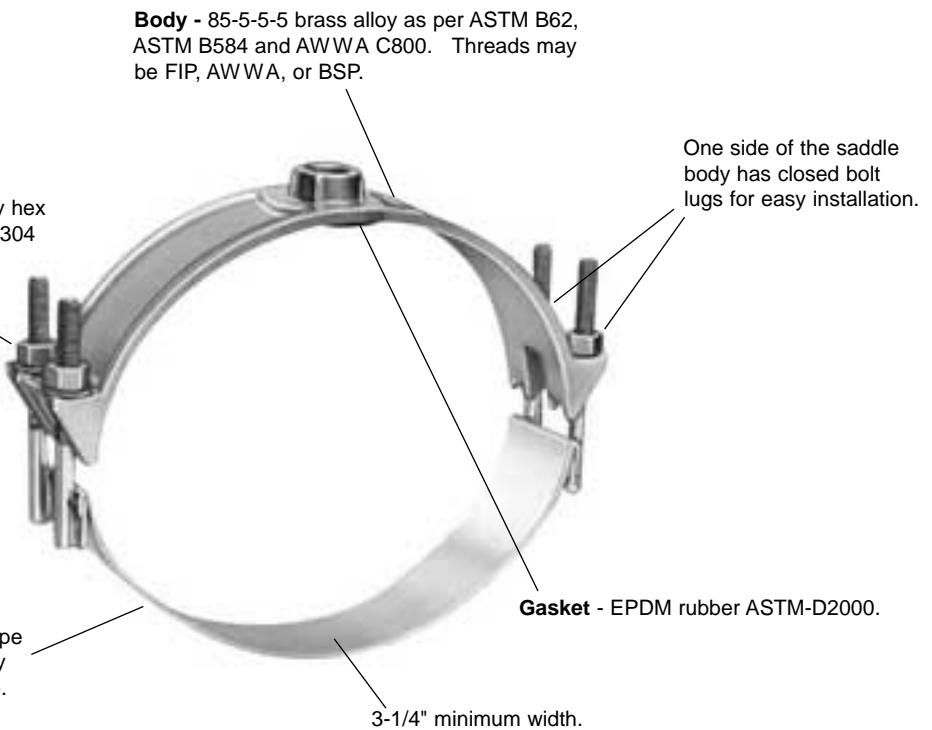


202BS

Nuts and Washers - 5/8" coated heavy hex nuts and washers made from 18-8 type 304 stainless steel.



LXI Products meet
ANSI/NSF Standard 61
see page 2



OUTLET THREAD TAP CODE

CC (AWWA) THREAD		FIP THREAD		BSP THREAD	
THREAD	CODE	THREAD	CODE	THREAD	CODE
3/4" CC	CC3	3/4" IP	IP3	3/4" BSP	BSP3
1" CC	CC4	1" IP	IP4	1" BSP	BSP4
1-1/2" CC	CC6	1-1/2" IP	IP6	1-1/2" BSP	BSP6
2" CC	CC7	2" IP	IP7	2" BSP	BSP7

Ford Brass Saddles Styles 101BS and 202BS

With Stainless Steel Band and Bolts for PVC Pipe
for 3/4" through 2" Taps



LXI Products meet
ANSI/NSF Standard 61
see page 2

The 101BS and 202BS style service saddles incorporate stainless steel bands in place of the standard silicon bronze straps. This combination of brass and stainless provides the perfect answer for strength and flexibility. The stainless easily conforms to the surface of PVC pipe and the brass provides the required strength to support service lines. The 101BS and 202BS style saddles are ideally suited for tapping C900 PVC pipe. These saddles conform to the recommendation of Uni-Bell and AWWA.

Style 101BS Single Band Saddles for C900 PVC Pipe For 3/4" and 1" Taps



To Order: Add tap code from the table at the bottom of page 21 to catalog number.
Example: A saddle for 12" C900 PVC with 1" CC tap would be 101BS-1320-CC4.

NOM. PIPE SIZE	PIPE O.D.	CATALOG NUMBER	APPROX. WT. LBS.	STD. PKG. QTY.
4"	4.80	101BS-480-Tap	3.0	10
6"	6.90	101BS-690-Tap	3.8	10
8"	9.05	101BS-905-Tap	4.4	5
10"	11.10	101BS-1110-Tap	5.4	1
12"	13.20	101BS-1320-Tap	5.9	1

Style 202BS Double Band Saddles for C900 PVC For 3/4" and 2" Taps Steel Size PVC For 3/4" and 1" Taps



To Order: Add tap code from the table at the bottom of page 21 to catalog number.
Example: A saddle for 12" C900 PVC with 1" CC tap would be 202BS-1320-CC4.

NOM. PIPE SIZE	PIPE O.D.	CATALOG NUMBER	APPROX. WT. LBS. 3/4" & 1" TAPS	STD. PKG. QTY.	APPROX. WT. LBS. 1-1/2" & 2" TAPS	STD. PKG. QTY.
4"	4.80	202BS-480-Tap	6.6	5	7.6	6
	6.63	202BS-663-Tap	7.7	-	N/A	-
6"	6.90	202BS-690-Tap	7.7	3	8.8	3
	8.63	202BS-863-Tap	8.8	-	N/A	-
8"	9.05	202BS-905-Tap	8.8	3	9.8	3
	10.75	202BS-1075-Tap	10.7	-	NA	-
10"	11.10	202BS-1110-Tap	10.7	4	12.2	4
	12.75	202BS-1275-Tap	11.8	-	N/A	-
12"	13.20	202BS-1320-Tap	11.8	3	13.3	3
	15.30	202BS-1530-Tap	18.0	1	17.5	1
16"	17.40	202BS-1740-Tap	23.0	1	22.5	1
18"	19.50	202BS-1950-Tap	25.0	1	24.5	1
20"	21.60	202BS-2160-Tap	25.5	1	25.0	1
24"	25.80	202BS-2580-Tap	26.0	1	25.5	1
30"	32.00	202BS-3200-Tap	27.0	1	26.5	1

Style 202BS Double Band Brass Saddles For 3/4" through 2" Taps

To Order: Add tap code from the table at the bottom of page 21 to the catalog number. For example, a saddle for 20" cast iron pipe with 1" CC tap would be 202BS-2220-CC4.



NOM. PIPE SIZE	O.D. RANGE	CATALOG NUMBER	APPROX. WT. LBS. 3/4" & 1" TAPS	STD. PKG. QTY.	APPROX. WT. LBS. 1-1/2" & 2" TAPS	STD. PKG. QTY.
14"	15.30-16.25	202BS-1625-Tap	18.0	1	17.5	1
	16.30-17.25	202BS-1725-Tap	19.1	1	18.6	1
16"	17.40-18.40	202BS-1840-Tap	23.0	1	22.5	1
	18.50-19.25	202BS-1925-Tap	24.0	1	23.5	1
18"	19.50-20.50	202BS-2050-Tap	25.0	1	24.5	1
	21.20-22.20	202BS-2220-Tap	25.5	1	25.0	1
20"	22.50-23.50	202BS-2350-Tap	25.7	1	25.2	1
	23.80-24.80	202BS-2480-Tap	26.0	1	25.5	1
24"	25.60-26.50	202BS-2650-Tap	26.5	1	26.0	1
	31.74-32.74	202BS-3274-Tap	27.0	1	26.5	1