

Ford Brass Saddles Style S90 and S91

For C900 PVC Pipe

Specifications

Hinged S90

Design A

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

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

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 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

A machined groove around the top outside edge indicates an AWWA threaded outlet. FIP outlet saddles do not have machined groove.

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

Design B
10" - 12"

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

Design C
10" and 12"

1-1/2" and 2" taps

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

Spacers

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.

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

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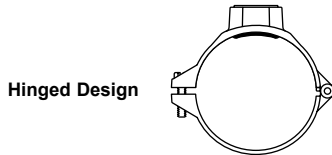
For C900 PVC Pipe

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.

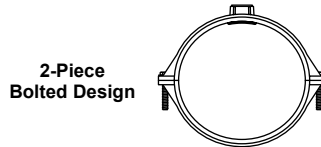
Design "A" (hinged) saddles install as a single unit with no loose parts to lose in the ditch. (Designs may vary - see below.) The upper and lower castings are permanently hinged together with a silicon bronze pin and the silicon bronze bolt has a retainer on it to prevent loss during shipment and installation. 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.

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

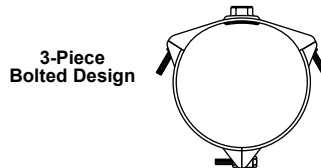
Design A



Design B



Design C



Style 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.
2"	2.50	S90-201	S91-201	1/2"	A	0.9
		S90-203	S91-203	3/4"	A	1.1
4"	4.80	S90-401	S91-401	1/2"	A	2.1
		S90-403	S91-403	3/4"	A	1.8
		S90-404	S91-404	1"	A	2.0
		S90-406	S91-406	1-1/2"	A	6.5
		S90-407	S91-407	2"	A	6.4
		S90-601	-	1/2"	A	3.4
6"	6.90	S90-603	S91-603	3/4"	A	2.6
		S90-604	S91-604	1"	A	2.6
		S90-606	S91-606	1-1/2"	A	8.9
		S90-607	S91-607	2"	A	7.3
		S90-801	S91-801	1/2"	A	3.6
		S90-803	S91-803	3/4"	A	2.8
8"	9.05	S90-804	S91-804	1"	A	3.2
		S90-806	S91-806	1-1/2"	A	8.0
		S90-807	S91-807	2"	A	8.5
		S90-1003	S91-1003	3/4"	B	9.3
		S90-1004	S91-1004	1"	B	9.2
		*S70-S90-1006	*S71-S91-1006	1-1/2"	C	10.5
10"	11.10	*S70-S90-1007	*S71-S91-1007	2"	C	10.5
		S90-1203	S91-1203	3/4"	B	11.1
	10.75-11.10	S90-1204	S91-1204	1"	B	11.0
		*S70-S90-1206	*S71-S91-1206	1-1/2"	C	11.5
		*S70-S90-1207	*S71-S91-1207	2"	C	11.0
		S90-1206	S91-1206	1-1/2"	B	14.3
12"	13.20	S90-1207	S91-1207	2"	B	14.3

* These saddles will cover steel size PVC and C900 PVC O.D. range.

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 23.

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

PVC PIPE SIZE	ACTUAL PIPE O.D.	AWWA CAT. No. S902	IP TAP CAT. No. S912	TAP SIZE	DESIGN	APPROX. WT. LBS.
4"	4.80	S902-403	S912-403	3/4"	B	3.2
		S902-404	S912-404	1"	B	2.9
		S902-406	S912-406	1-1/2"	B	6.5
		S902-407	S912-407	2"	B	6.5
6"	6.90	S902-603	S912-603	3/4"	B	4.6
		S902-604	S912-604	1"	B	4.5
		S902-606	S912-606	1-1/2"	B	8.5
		S902-607	S912-607	2"	B	8.5
8"	9.05	S902-803	S912-803	3/4"	B	5.5
		S902-804	S912-804	1"	B	5.4
		S902-806	S912-806	1-1/2"	B	12.5
		S902-807	S912-807	2"	B	12.5
10"	11.10	S902-1006	S912-1006	1-1/2"	B	12.8
		S902-1007	S912-1007	2"	B	12.2
12"	13.20	S902-1206	S912-1206	1-1/2"	B	14.3
		S902-1207	S912-1207	2"	B	14.3

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 12"	3/4" and 1"	2 Piece	2 per saddle	3/8"x2"	SADDLE-SCREW800233
		1-1/2" and 2"	2 Piece	4 per saddle	1/2"x3"	**† SADDLE-BOLT-800287

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

† Requires washer. Catalog number: SADDLEWASHER800561