

# Ford Brass Saddles Style S70 and S71

For Standard PVC Pipe

## Specifications

### Hinged S70

Design A

**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 or AWWA.

**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

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

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

**Design B**  
2" and 3"  
1-1/4" - 2" Taps

**Design C**  
10" and 12"

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

**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.

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

Spacers

# Ford Brass Saddles Style S70 and S71

For Standard Steel Size PVC Pipe

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 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.

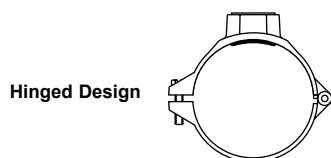
Ford's convenient marking system quickly and easily identifies the type of thread in the boss. For AWWA tapered thread, the top of the boss has a machined groove around the top outside edge while the boss for iron pipe thread is smooth.

Style S70 and S71 Brass Saddles

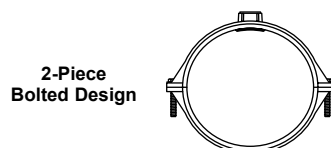
PVC PIPE SIZE	ACTUAL PIPE O.D.	AWWA CAT. No. S70	IP TAP CAT. No. S71	TAP SIZE	DESIGN	APPROX. Wt. LBS.
1-1/2"	1.90	S70-151	S71-151	1/2"	A	1.0
		S70-153	S71-153	3/4"	A	1.0
2"	2.38	S70-201	S71-201	1/2"	A	1.4
		S70-203	S71-203	3/4"	A	1.1
		S70-204	S71-204	1"	A	1.0
		S70-205	S71-205	1-1/4"	B	3.6
		S70-206	S71-206	1-1/2"	B	3.4
		S70-253	S71-253	3/4"	A	1.7
2-1/2"	2.88	S70-254	S71-254	1"	A	1.6
		S70-255	S71-255	1-1/4"	B	3.8
		S70-256	S71-256	1-1/2"	B	3.6
		S70-301	S71-301	1/2"	A	1.9
3"	3.50	S70-303	S71-303	3/4"	A	1.8
		S70-304	S71-304	1"	A	1.7
		-	S71-307	2"	B	3.5
		S70-401	S71-401	1/2"	A	2.2
4"	4.50	S70-403	S71-403	3/4"	A	2.1
		S70-404	S71-404	1"	A	2.0
		S70-406	S71-406	1-1/2"	A	4.1
		S70-407	S71-407	2"	A	4.8
		S70-503	S71-503	3/4"	A	2.6
5"	5.56	S70-504	S71-504	1"	A	2.5
		S70-601	S71-601	1/2"	A	2.9
6"	6.63	S70-603	S71-603	3/4"	A	2.8
		S70-604	S71-604	1"	A	2.8
		S70-606	S71-606	1-1/2"	A	5.9
		S70-607	S71-607	2"	A	5.1
		S70-801	S71-801	1/2"	A	3.7
8"	8.63	S70-803	S71-803	3/4"	A	3.6
		S70-804	S71-804	1"	A	3.6
		S70-806	S71-806	1-1/2"	A	5.8
		S70-807	S71-807	2"	A	5.6
10"	10.75	S70-1003	S71-1003	3/4"	C	7.0
		S70-1004	S71-1004	1"	C	7.0
	10.75-11.10	*S70-S90-1006	*S71-S91-1006	1-1/2"	C	10.4
		*S70-S90-1007	*S71-S91-1007	2"	C	10.7
12"	12.75	S70-1203	S71-1203	3/4"	C	8.1
		S70-1204	S71-1204	1"	C	7.8
	12.75-13.20	*S70-S90-1206	*S71-S91-1206	1-1/2"	C	11.3
		*S70-S90-1207	*S71-S91-1207	2"	C	10.9

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

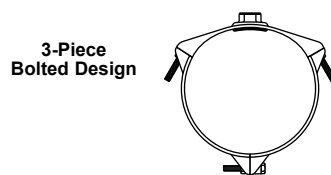
Design A



Design B



Design C



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