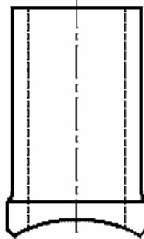


**Molded Service & Branch Saddles**

**Butt Outlet  
Rectangular Base**

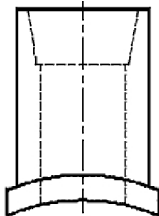
<u>Outlets Available</u>	<u>Main Size</u>	<u>Approximate Area (in<sup>2</sup>)</u>	<u>Bead Up Force (lb)</u>	<u>Joining Force (lb)</u>
1/2" CTS 0.090	1 1/4" - 1 1/2"	3.5	210	105
1/2" IPS DR 9.3				
3/4" IPS DR 9 & 11	2" - 12"	4.0	240	120
1 1/2" IPS	2" - 3"	4.0	240	120
	4" - 12"	4.5	270	135
2" IPS SDR 11	2"	6.1	365	185
	3"	10.8	650	325
	4" - 12"	14.0	840	420
2" IPS SDR 9	2"	6.1	365	185
	3"	13.5	810	405
	4" - 12"	15.0	900	450
*4" IPS	6" - 12"	29.0	1740	870



**Molded Service & Branch Saddles**

**Butt Outlet  
Round Base**

<u>Outlets Available</u>	<u>Main Size</u>	<u>Approximate Area (in)</u>	<u>Bead Up Force (lb)</u>	<u>Joining Force (lb)</u>
3/4" IPS	1 1/4" - 12"	1.2	100	50
1" IPS		1.4		
1 1/4" IPS		1.4		
1 1/2" IPS	2" - 12"	1.7	155	80
2" IPS		2.6		
3" IPS	4"	12.2	730	365
	6" - 12"	14.3	860	430
4" IPS	6" - 12"	10.0	600	300
6" IPS	8" - 24"	22.6	The Approximate Area is used to calculate gauge pressure on the hydraulic unit.	
8" IPS	10" - 24"	50.0		



**Molded Service Saddles**

**Socket Outlet  
Rectangular Base**

<u>Outlets Available</u>	<u>Main Size</u>	<u>Approximate Area (in<sup>2</sup>)</u>	<u>Bead Up Force (lb)</u>	<u>Joining Force (lb)</u>
1/2" CTS	1 1/4" - 12" IPS	3.5	210	105
1" CTS				
1/2" IPS				
3/4" IPS				
1" IPS				
1 1/4" IPS	1 1/2" - 12" IPS	4	240	120