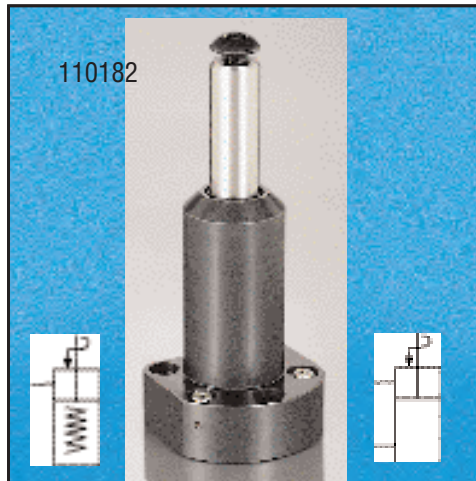


Swing/Pull Clamp - Surface Mount - Manifold Mount - Lower Flange Style - 1200 lbs.

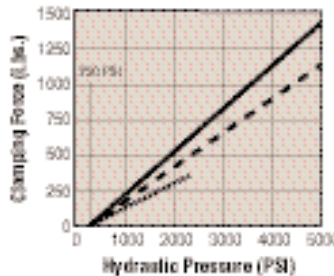


Features

- Simple cavity design eliminates need for threaded holes in mating surfaces
- Manifold design eliminates external plumbing and reduces fixture height
- "Live Roller" design provides industry's most reliable swing/pull mechanism
 - o Piston/Cam combination provides solid path for clamping action
 - o Typical ball and groove mechanism has higher potential for clogging and for damage from mis-aligned work pieces
- Available in single and double acting versions
- Special rod wiper seal protects internal

clamp components

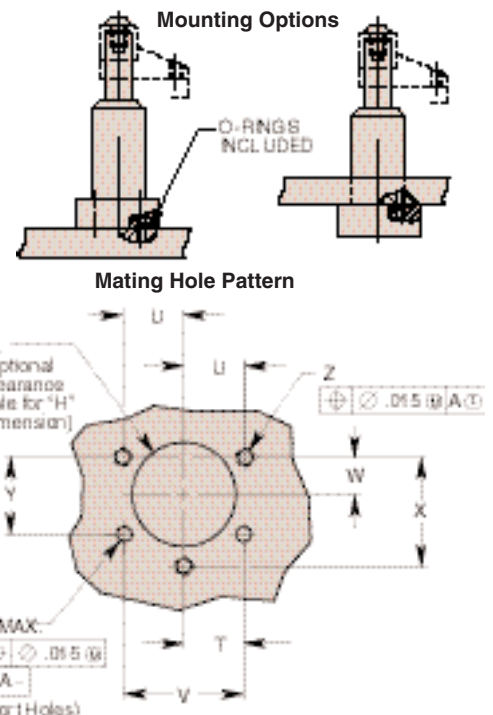
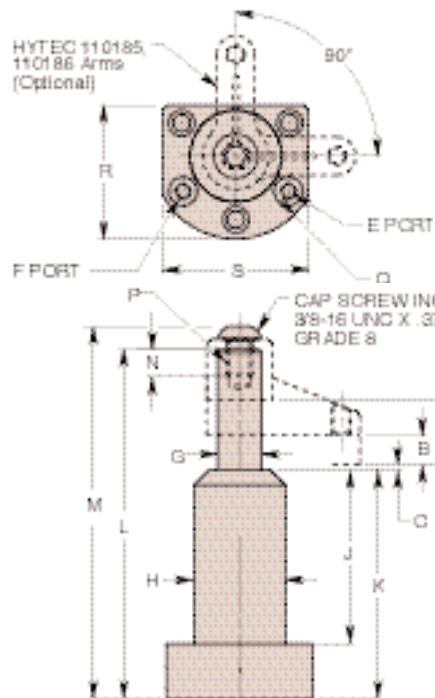
- Unique drainage system channels contaminants away from clamp
- Corrosion resistant construction
- Heat treated, chrome plated piston rod
- Manifold mountable
- Unique "Live Roller" swing mechanism for increased service life
- Power-Tech™ treated body and hardened cam for long wear and corrosion resistance
- Single- and double-acting models are dimensionally interchangeable
- Straight pull cap. 1,472 lbs. at 5,000 psi max.
- Flange top or bottom mounting



Performance

Clamp Nos. 110179, 110180, 110181, 110182, 110183, 110184

- With HYTEC 110185 Arm (5.375" long)
- - - With HYTEC 110185 Arm (1.50" long)
- Straight Pull Force Without Arms



Cat. No.	Specifications							Dimensions (In Inches)									
	Oper.	Swing Direction	*Force (Lbs.)	Eff. Area (Sq. In.)		Oil Cap. (Cu. In.)		A Total Stroke	B Clamping Stroke	C	††D Port Dia.	E Clamp Port	F Unclamp Port	††G Dia.	H Dia.		
				Clamp	Unclamp	Clamp	Unclamp										
110179	Single-Acting	LH (Counter Clockwise)	1,200	.294	—	.260	—	.873	.336	.104	.130 Max.	SAE O-Ring	†Vent	.625	1.43		
110180		RH (Clockwise)														.601	.530
110181		Straight Pull															
110182	Double-Acting	LH (Counter Clockwise)			.601								.530				
110183		RH (Clockwise)															
110184		Straight Pull															

Cat. No.	Dimensions (In Inches)															
	J	K	L	M	N Thread Min.	*P Thread Size	Q Radius	R	S	T	U	V	W	X	Y	Z Thread Size
110179	3.419	4.504	5.310	5.610	.375	3/8-16 UNC	1.375	2.125	2.310	.845	.875	1.690	.344	1.032	.906	1/4-20 UNC
110180																
110181																
110182																
110183																
110184																

NOTE: * With 1.5" long arm at 5,000 psi max. operating pressure.
 † Do not pressurize - single-acting only.
 †† See page 59 for custom arm mounting.
 Internal cam may be removed for an unguided straight pull.

See page 58 for maximum operating speeds and rotation options.
 ††† Surface finish to be 63. Finish of 125 acceptable with concentric tool marks only. Finish area to be .525 DIA. min. centered on .130 ø port hole. See operating instructions for additional port details.