

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



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

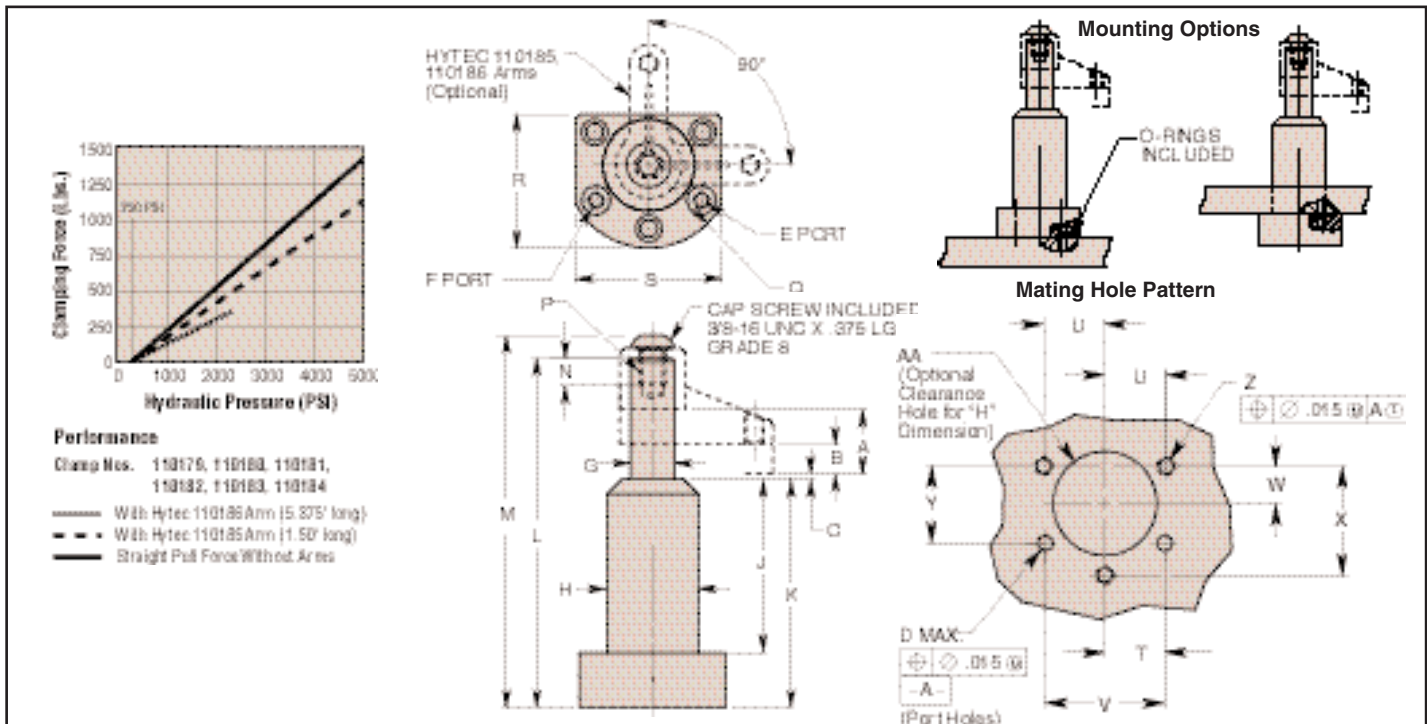


### Features

- 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
  - Piston/Cam combination provides solid path for clamping action
  - 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



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)													
110181		Straight Pull													
110182	Double-Acting	LH (Counter Clockwise)	.601	.530	.873	.336	.104	.130 Max.	SAE O-Ring	SAE O-Ring	.625	1.43			
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	AA Dia.
110179																	
110180																	
110181	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	1.466
110182																	1.486
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.