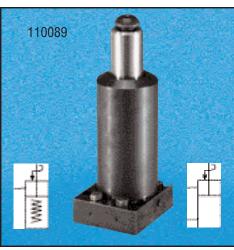


## Hydraulics Corporation Swing/Pull Clamp - Manifold Mount - Lower Flange Style - 5000 lbs.

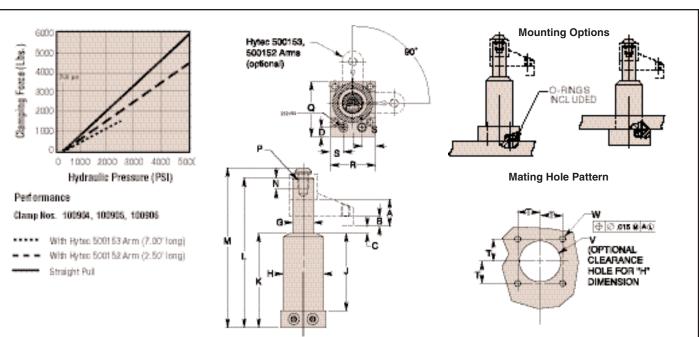


## Features:

- 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
- · 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



	Specifications								Dimensions (In Inches)							
Cat. No.	Oper.	Swing	(I he )	Eff. Area (Sq. In.) Oil Cap			(Cu. In.) A	В	С	D	E	F	ţţG	H		
INO.		Direction		Clamp	Unclamp	Clamp	Unclamp	Total Stroke	Clamping Stroke		Port Dia.	Clamp Port	Unclamp Port	Dia.	Dia.	
110089		LH (Counterclockwise)	5.000	1.178 -	_	1.914		— 1.625	.600	.330	.340 MAX.	%6-20UNF	Breather Plug		2.425	
110090	Single- Actina	RH (Clockwise)					_						%-20UNF SAE-4†			
110091		Straight Pull														
110092		LH (Counterclockwise)			2.405		3.908					SAE-4		1.240		
110093	Double- Acting	RH (Clockwise)											%-20UNF SAE-4			
110094		Straight Pull											0/12			

	Dimensi	Dimensions (In Inches)												
Cat. No.	J	К	L	M	N Thread Min.	P Thread Size	Q	R	S	Т	U	V Dia.	W Thread Size	
110089	4.737	5.917	9.297	9.887	690	%-11 UNC	3.305	2.750	.570	1.085	.408	2.442 2.462	%-18 UNC	
110090														
110091														
110092		5.730	9.110	9.700										
110093														
110094														

NOTE: \* With 2.50" 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.