

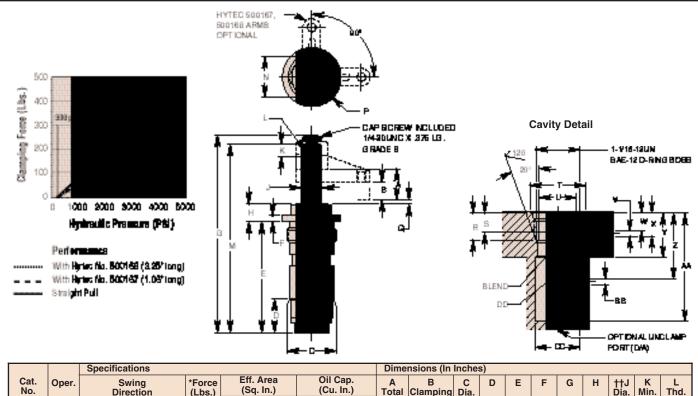
Swing/Pull Clamps - Cartridge Style - 365 lbs.



Features

- · Small footprint minimizes acreage on fixture
- Low profile reduces overall fixture height
- · Manifold mounting eliminates exposed plumbing, reducing chip build-up on fixture
- "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
- · Simple cavity design enables faster fixture
- · 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™ heat treated body and hardened cam for long wear and corrosion resistance
- · Single-acting and double-acting models
- · Straight pull capacity 480 lbs. at 5,000 psi max.



		Specifications							Dimensions (In Inches)									
Cat. No.	Oper.	Swing Direction	*Force (Lbs.)	Eff. Area (Sq. In.)		Oil Cap. (Cu. In.)		A Total	B Clamping	C Dia.	D	Е	F	G	Н	††J Dia.	K Min.	L Thd.
				Clamp	Unclamp	Clamp	Unclamp	Stroke	Stroke								Thd.	Size
110013		LH (Counter Clockwise)	365	.098 -	_	.065		638	.320	.935	.723	2.379	.125	4.229	.371	.435	.275	½-20 UNC
110014	Single- Acting						_											
110015		Straight Pull																
110016		LH (Counter Clockwise)			.248		.163											
110017	Double -Acting																	
110018		Straight Pull																

Cat. No.	Dimensions (In Inches)				Mounting Dimensions (In Inches)												
	M	N Hex	P Dia.	Q	R			BB Unclamp Port Dia. Min.	CC Dia. Min.	DD Chamfer Max.							
110013																	
110014			1.250	.096	.596 .616	.440	1.255	.937 .940	.125	.400	.596	1.000	1.547	- 2.431	†Vent	- 1.000	.020
110015	1,,,,,	075															
110016	4.032	.875													.125		
110017	1											_					
110018																	

Note:

With 1.00" arm at 5,000 psi max. operating pressure.

Do not pressurize - single acting only. Cavity must be vented.

See page 59 for custom arm mounting. See page 58 for maximum operating speeds and rotation options. Internal cam may be removed for an unguided straight pull. See operating instructions for additional port details.