



For easy maneuvering of extremely heavy paper rolls and concrete pipe.

Engineered to handle extremely heavy paper rolls and concrete pipe.

APPLICATIONS

The 120H Pivot Arm Clamps are designed for operations that handle large, extremely heavy concrete pipe or paper rolls. This clamp series is available with maximum capacities of 8,600 kgs., 10,000 kgs., 10,500 kgs. and 12,000 kgs. and maximum roll diameters of 1,900 mm, 2,160 mm, 2,280 mm and 2,260 mm respectively. These models have been extensively field-tested and application-rated.

FEATURES

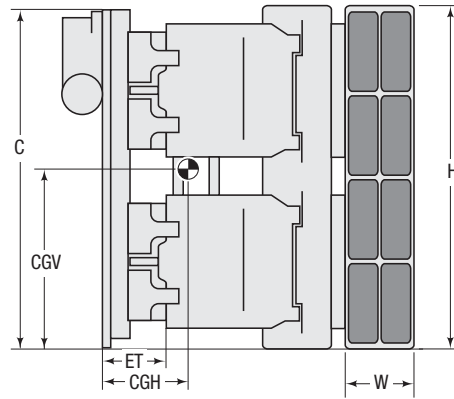
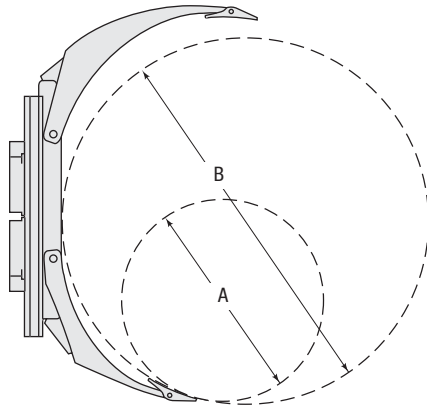
- Heavy duty arm & frame structure modeled after proven roll clamp design.
- Dual rotator drive boxes
- Heavy duty 220D & 400D rotators depending on model
- Thin-frame profile increases truck capacity
- Protected hydraulics
- Easy to service cylinders in standard sizes
- Continuous 360° rotation

MODELS

Fixed Frame/Positioned Short Arm

- Good arm profile over a wide range of roll diameters.





Capacity Kg @ mm	Roll Range A - B (mm)	Type Short Arm	Catalog Order No.	Mounting Class	Mounting Angle ⊖	Weight (Kg.)	Effective Thickness ET	Horizontal Center of Gravity CGH	Vertical Center of Gravity CGV	Contact Pad Size W x H	Base Unit Height C (mm)
12,000@1900	1143-1900	Fixed	120H-RCF-01H	①	0°	②	②	②	②	③	1285
10,500@2106	1397-2160	Fixed	120H-RCF-01C	①	0°	②	②	②	②	③	1425
10,000@2290	1524-2280	Fixed	120H-RCF-03H	①	0°	②	②	②	②	③	1425
8,600@2670	1905-2260	Fixed	120H-RCF-03C	①	0°	②	②	②	②	③	1425
12,000@1900	1143-1900	Positioned	120H-RCP-01H	①	0°	②	②	②	②	③	1285
10,500@2106	1397-2160	Positioned	120H-RCP-01C	①	0°	②	②	②	②	③	1425
10,000@2290	1524-2280	Positioned	120H-RCP-03H	①	0°	②	②	②	②	③	1425
8,600@2670	1905-2260	Positioned	120H-RCP-03C	①	0°	②	②	②	②	③	1425

① Various mounting styles are available including ITA, Class V, Pin type, Integral, Modified bolt-on/integral.

② Specifications depend on the style and type of mounting. Consult Cascade for specifications.

③ Pad size will depend on application and product being handled. Contact Cascade.

ROTATOR SPECIFICATIONS

	Rotator Speed	Rotator Torque
Standard	2.3 RPM @ 75 L/min.	24,630 NM @ 159 bar
Optional	1.8 RPM @ 75 L/min.	48,018 NM @ 159 bar

HYDRAULIC FLOW & PRESSURE REQUIREMENTS

Model	Minimum Flow	Recommended Flow	Maximum Flow	Maximum Pressure
Standard	36 L/min.	91 L/min.	114 L/min.*	160 bar
Optional	55 L/min.	91 L/min.	136 L/min.	160 bar

* Lower hydraulic volume required due to smaller motor size.

HYDRAULIC FLOW CONTROL VALVE

Functions	Input Flow	Output Flow ^④	Catalog Order No.
1	159 L/min.	91 L/min.⑤	6026790
1	227 L/min.	91 L/min.⑤	6037229

④ Input flow recommendations are based on limiting the acceptable pressure drop to the valve to 34 BAR.

⑤ Output flow is preset and is not adjustable.

DAMAGE REDUCTION OPTIONS

- AFC (Adaptive Force Control) for automatic control of clamping pressure that changes as load weight changes (includes Load Cushion™)
- Tilt Control automatically controls the angle of the mast and pad, aligning the pad with the roll and eliminating expensive product damage
- 180° hydraulic stop group
- Load Cushion™—hoist system accumulator that absorbs shocks, reducing the clamp force required to handle the load
- Electrical Pressure relief system allowing driver to change pressure relief settings electronically from the cab