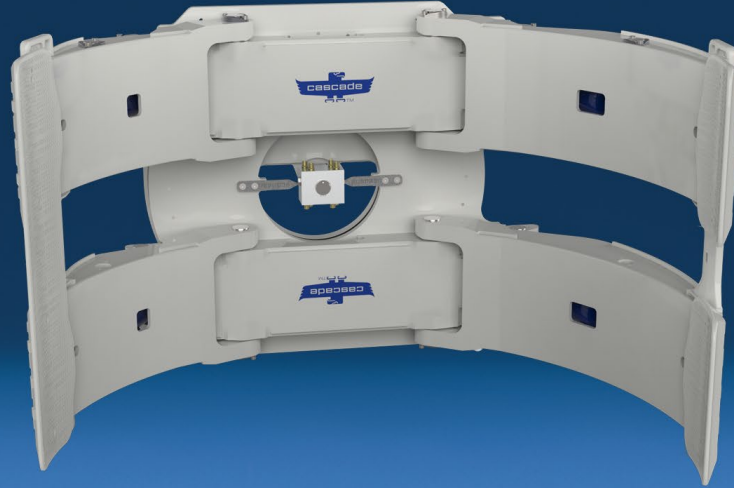


Versatile Paper Roll Clamps for Demanding Applications



Profiled arms and pads for easily knifing between rolls.



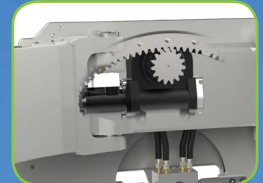
High-flow revolving connection provides faster arm movement and lower energy drain.



Excellent visibility facilitates precise second tier roll handling.



Streamlined pad with field serviceable wear tiles extends pad life.



High-torque, heavy-duty rotator for fast and continuous rotation.

APPLICATIONS

The 46H and 55H Paper Roll Clamps are designed for operations that handle large, heavy rolls, such as kraft, linerboard, and heavily coated stocks. Suitable for mills, converters, stevedores and shippers of large rolls of packaging paper of all types. Available load capacities range from 3300 to 6350 kg.

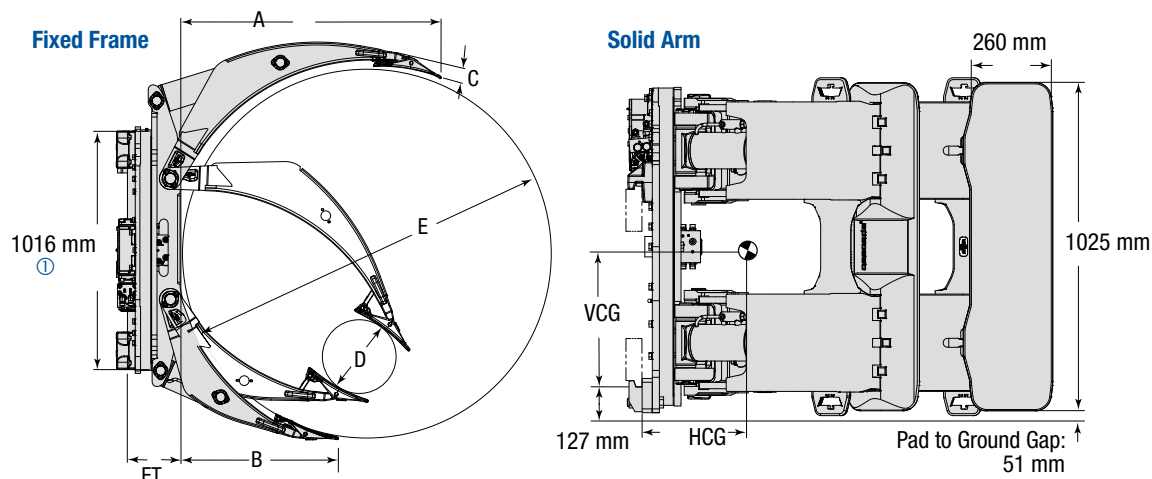
OPTIONS

- Wide range of contact pads for every type of paper
- Split or solid arm
- Fixed short arm for applications with roll sizes on the high side of the clamp's capacity range
- 180° Stop Group
- **55H:** Low torque, heavy-duty single-drive rotator drivetrain
- AFC - Adaptive Force Control
- HFC - Hydraulic Force Control
- ERC - Electronic Rotational Control
- Drop Stop System
- HFC with Drop Stop

FEATURES

- Highly durable arm structure and pad profile that eliminates damage from knifing between rolls in containers, trailers, and railcars
- Pad protectors reduce wear to the contact pads
- Pad alignment system using dual spring technology holds the contact pads in proper alignment
- A variety of arm styles for flexibility in any application
- Short arm positioning to optimize small roll handling
- Excellent visibility through arms
- High-flow revolving connection provides fast arm speed and less energy consumption
- Quick 360° rotation speed with 15-tooth pinion
- High-torque, heavy-duty rotator drivetrain proven to provide superior durability
- **55H:** High-torque, heavy-duty dual rotator drivetrain for fast, continuous rotation
- Can be configured with 2, 3 or 4 pads
- High-strength castings provide structural life needed for robust applications





360° Rotation

Catalogue Order No.	Capacity@ Load Centre kg@mm	Roll Range (mm) D - E	Mounting Class ISO 2328	Mounting Angle	Effective Thickness (mm) ET	Horizontal Centre of Gravity (mm) HCG	Vertical Centre of Gravity (mm) VCG	Weight kg	Long Arm Length(mm) A	Short Arm Length(mm) B	Long Arm Thickness (mm) C
Solid Long Arm - Positioned Short Arm											
46H-RCP-4A-0115	5000@650	200-1300	4A	0°②	225	290	435	1260	913	568	46
46H-RCP-4A-0120	4800@700	200-1400	4A	0°②	225	300	435	1280	956	607	46
46H-RCP-4A-0125	4600@763	200-1525	4A	0°②	225	315	435	1315	1024	661	46
46H-RCP-4A-0130	4400@800	200-1600	4A	0°②	225	325	435	1340	1061	698	46
46H-RCP-4A-0135	3850@915	200-1830	4A	0°②	225	350	435	1415	1184	799	46
46H-RCP-4A-0140	3300@1075	200-2150	4A	0°②	225	395	435	1530	1351	948	46
Solid Long Arm - Fixed Short Arm											
46H-RCF-4A-0115	5000@650	370-1300	4A	0°②	225	290	435	1225	913	568	46
46H-RCF-4A-0120	4800@700	380-1400	4A	0°②	225	305	435	1245	956	607	46
46H-RCF-4A-0125	4600@763	490-1525	4A	0°②	225	320	435	1280	1024	661	46
46H-RCF-4A-0130	4400@800	510-1600	4A	0°②	225	325	435	1300	1061	698	46
46H-RCF-4A-0135	3850@915	550-1830	4A	0°②	225	355	435	1375	1184	799	46
46H-RCF-4A-0140	3300@1075	610-2150	4A	0°②	225	400	435	1490	1351	948	46

① Dimension is the widest spread of either upper or lower hook.

② All models listed above include a 0° mounting. This mounting is suitable for general applications with primarily vertical roll handling. On applications with frequent bilge handling, a 2° mounting is recommended.

► All models can be configured with a fixed short arm. Consult Cascade for model number and specifications.

► 0° mounting is suitable for general applications with primarily vertical roll handling.

► Rubber or Urethane coatings increase the pad thickness. For frequent bilge operations, a 2° mounting is recommended.

► Model shown is with Herringbone contact pads. Other pad options are available, consult Cascade.

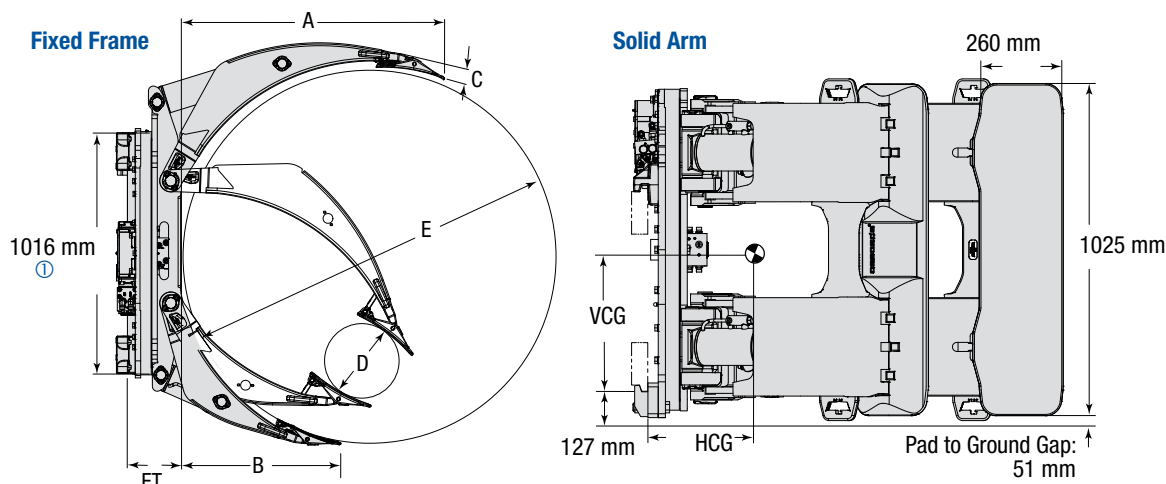
► Auxiliary pressure protection is required for the rotator section unless the option is specified at the time of the order. Contact your Cascade representative for details.

HYDRAULIC FLOW & PRESSURE

Model	Maximum Clamp & Rotate Operating Pressure (bar)	Maximum Deliverable Truck Pressure (bar)	Clamp Circuit Pressure Protected Yes/No?	Rotator Circuit Pressure Protected Yes/No?	Number of Functions	Flow Clamp Min-Rec-Max Function 1 / lpm
46H	160	160	Yes	No	2	38 - 57 - 76

ROTATOR SPECIFICATIONS

Model	RPM	Recommended Flow LPM	Torque Nm@160 bar
46H	3,9	57	13.350



360° Rotation

Catalogue Order No.	Capacity@ Load Centre kg@mm	Roll Range (mm) D - E	Mounting Class ISO 2328	Mounting Angle	Effective Thickness (mm) ET	Horizontal Centre of Gravity (mm) HCG	Vertical Centre of Gravity (mm) VCG	Weight kg	Long Arm Length (mm) A	Short Arm Length (mm) B	Long Arm Thickness (mm) C
Solid Long Arm - Positioned Short Arm											
55H-RCP-4A-0115	6350@650	445-1300	4A	0°②	260	285	460	1455	913	568	46
55H-RCP-4A-0120	5950@700	480-1400	4A	0°②	260	295	460	1470	956	607	46
55H-RCP-4A-0125	5500@763	200-1525	4A	0°②	260	310	460	1525	1024	661	46
55H-RCP-4A-0130	5250@800	200-1600	4A	0°②	260	320	465	1555	1061	698	46
55H-RCP-4A-0135	4600@915	270-1830	4A	0°②	260	346	465	1635	1184	799	46
55H-RCP-4A-0140	3900@1075	425-2150	4A	0°②	260	385	465	1730	1351	948	46
Solid Long Arm - Fixed Short Arm											
55H-RCF-4A-0115	6355@650	590-1300	4A	0°②	260	285	460	1420	913	568	46
55H-RCF-4A-0120	5970@700	640-1400	4A	0°②	260	295	460	1435	956	607	46
55H-RCF-4A-0125	5500@763	470-1525	4A	0°②	260	310	460	1490	1024	661	46
55H-RCF-4A-0130	5240@800	490-1600	4A	0°②	260	320	465	1515	1061	698	46
55H-RCF-4A-0135	4585@915	590-1830	4A	0°②	260	346	465	1595	1184	799	46
55H-RCF-4A-0140	3900@1075	810-2150	4A	0°②	260	385	465	1690	1351	948	46

① Dimension is the widest spread of either upper or lower hook.

② All models listed above include a 0° mounting. This mounting is suitable for general applications with primarily vertical roll handling. On applications with frequent bilge handling, a 2° mounting is recommended.

► All models can be configured with a fixed short arm. Consult Cascade for model number and specifications.

► 0° mounting is suitable for general applications with primarily vertical roll handling.

► Rubber or Urethane coatings increase the pad thickness. For frequent bilge operations, a 2° mounting is recommended.

► Model shown is with Herringbone contact pads. Other pad options are available, consult Cascade.

► Auxiliary pressure protection is required for the rotator section unless the option is specified at the time of the order. Contact your Cascade representative for details.

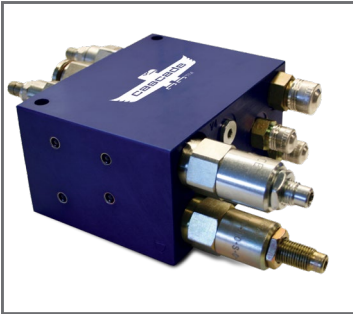
HYDRAULIC FLOW & PRESSURE

Model	Maximum Clamp & Rotate Operating Pressure (bar)	Maximum Deliverable Truck Pressure (bar)	Clamp Circuit Pressure Protected Yes/No?	Rotator Circuit Pressure Protected Yes/No?	Number of Functions	Flow Clamp Min-Rec-Max Function 1 / lpm
55H	160	160	Yes	No	2	38 - 57 - 76

ROTATOR SPECIFICATIONS

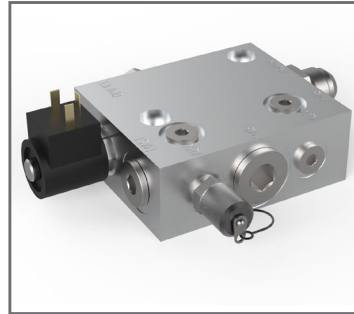
Model	RPM	Recommended Flow LPM	Torque Nm@160 bar
46H	3.9	57	18.075

OPTIONS and ACCESSORIES:



HFC™ - Hydraulic Force Control

Automatic clamp force system that changes the clamp force proportional to load weight by continuously sensing how much hydraulic pressure is necessary to lift the load.



Drop Stop

Prevents clamp pads from sliding down the roll and tearing paper after un-clamping the roll in the slack chain condition. Can be combined with HFC™ for even greater damage prevention.



AFC™ - Adaptive Force Control

Computer-controlled system that prevents the driver from overclamping a load by controlling the clamp force. (AFC Digital Display shown)

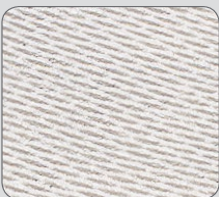


ERC - Electronic Rotational Control

Provides 180° stops during rotation, automatically aligning pad to roll and the roll to ground.

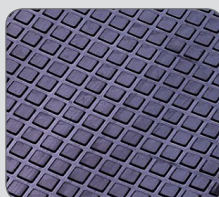
A PAD FOR EVERY PAPER

Herringbone



For most common paper types.

RXH Rubber



For newsprint, coated/magazine, super-calendered SC, milk carton/waxed, glassine/greaseproof, and white printing papers.

Bolt-On Rubber



For any paper requiring increased friction to reduce necessary clamp force. RXH or smooth rubber available.

Ribbed Herringbone



For papers that need more friction — kraft, preprint, gypsum board, liner board-coated, and glassine/greaseproof.

Bolt-On UDP



For newsprint, coated stock or any paper requiring increased friction to apply adequate clamp force. (UDP provides a compressible high friction surface.)

Herringbone (Tissue)



Excellent friction without grabbing tissue. Multiple pad shapes optimized for different tissue densities.

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