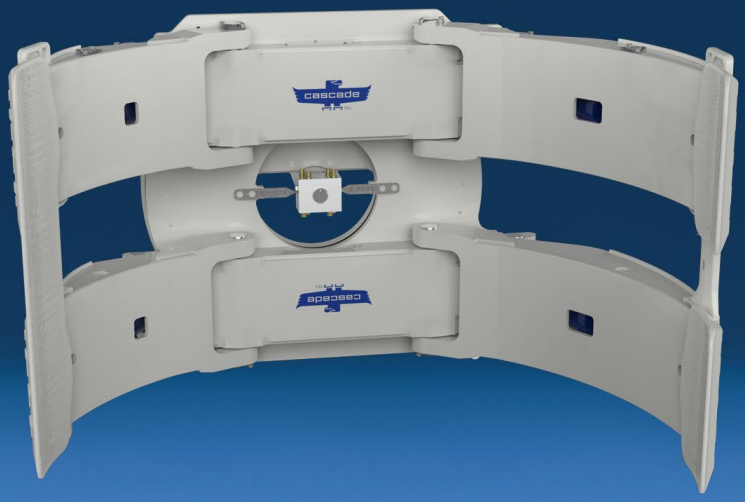
Versatile Paper Roll Clamps for Demanding Applications

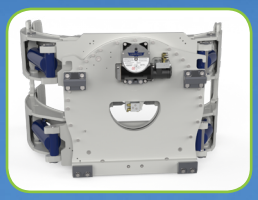




Profiled arms and pads for easily knifing between rolls.



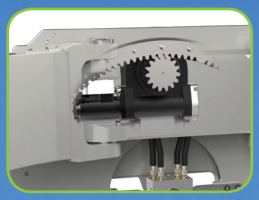
High-flow revolving connection provides faster arm movement and lower energy drain.



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 7,000 to 12,000 lbs.

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

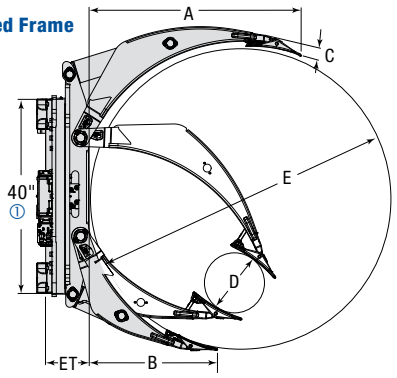
FEATURES

- 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

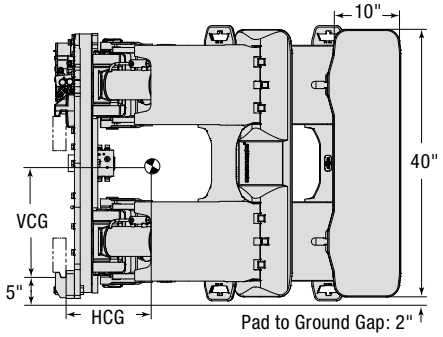
cascade corporation

46H PAPER ROLL CLAMP

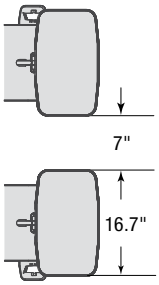
Fixed Frame



Solid Arm



Split Arm



360° Rotation

Catalog Order No.	Capacity@ Load Center lbs@in	Capacity@ Load Center kg@mm	Roll Range D-E	Mtg. Class	Mtg. Angle	Weight lbs	Weight kg	Effective Thickness ET	Horizontal Ctr. of Gravity HCG	Vertical Ctr. of Gravity VCG	Long Arm Length A	Short Arm Length B	Long Arm Thickness C
Fixed Frame/Positioned Short Arm/Solid Long Arm													
46H-RCP-4A-0015	11,000@25.5"	5,000@650	8" - 51"	IV	0°	2,775	1,259	8.8"	11.4"	17.1"	35.9"	22.4"	1.8"
46H-RCP-4A-0020	10,500@27.5"	4,800@700	8" - 55"	IV	0°	2,827	1,282	8.8"	11.9"	17.1"	37.6"	23.9"	1.8"
46H-RCP-4A-0025	10,000@30.0"	4,550@765	8" - 60"	IV	0°	2,901	1,316	8.8"	12.5"	17.1"	40.3"	26.0"	1.8"
46H-RCP-4A-0030	9,650@31.5"	4,400@800	8" - 63"	IV	0°	2,950	1,338	8.8"	12.8"	17.1"	41.8"	27.5"	1.8"
46H-RCP-4A-0035	8,500@36.0"	3,850@915	8" - 72"	IV	0°	3,118	1,414	8.8"	13.9"	17.1"	46.6"	31.5"	1.8"
46H-RCP-4A-0040	7,300@42.5"	3,300@1075	8" - 85"	IV	0°	3,370	1,528	8.8"	15.6"	17.2"	53.2"	37.3"	1.8"
46H-RCP-4A-0065	11,000@25.5"	5,000@650	8" - 51"	IV	2°	2,743	1,244	8.1"	10.8"	17.3"	35.9"	22.4"	1.8"
46H-RCP-4A-0070	10,500@27.5"	4,800@700	8" - 55"	IV	2°	2,794	1,268	8.1"	11.2"	17.3"	37.6"	23.9"	1.8"
46H-RCP-4A-0075	10,000@30.0"	4,550@765	8" - 60"	IV	2°	2,869	1,301	8.1"	11.8"	17.3"	40.3"	26.0"	1.8"
46H-RCP-4A-0080	9,650@31.5"	4,400@800	8" - 63"	IV	2°	2,918	1,324	8.1"	12.1"	17.3"	41.8"	27.5"	1.8"
46H-RCP-4A-0085	8,500@36.0"	3,850@915	8" - 72"	IV	2°	3,086	1,400	8.1"	13.2"	17.2"	46.6"	31.5"	1.8"
46H-RCP-4A-0090	7,300@42.5"	3,300@1075	8" - 85"	IV	2°	3,337	1,514	8.1"	15.0"	17.2"	53.2"	37.3"	1.8"
Fixed Frame/Positioned Short Arm/Split Long Arm													
46H-RDP-4A-0015	11,000@25.5"	5,000@650	8" - 51"	IV	0°	2,762	1,253	8.8"	11.3"	17.1"	35.9"	22.4"	1.8"
46H-RDP-4A-0020	10,500@27.5"	4,800@700	8" - 55"	IV	0°	2,814	1,276	8.8"	11.7"	17.1"	37.6"	23.9"	1.8"
46H-RDP-4A-0025	10,000@30.0"	4,550@765	8" - 60"	IV	0°	2,888	1,310	8.8"	12.3"	17.1"	40.3"	26.0"	1.8"
46H-RDP-4A-0030	9,650@31.5"	4,400@800	8" - 63"	IV	0°	2,938	1,333	8.8"	12.6"	17.1"	41.8"	27.5"	1.8"
46H-RDP-4A-0035	8,500@36.0"	3,850@915	11" - 72"	IV	0°	3,105	1,409	8.8"	13.7"	17.1"	46.6"	31.5"	1.8"
46H-RDP-4A-0040	7,300@42.5"	3,300@1075	8" - 85"	IV	0°	3,342	1,516	8.8"	15.3"	17.2"	53.2"	37.3"	1.8"
46H-RDP-4A-0065	11,000@25.5"	5,000@650	8" - 51"	IV	2°	2,730	1,238	8.1"	10.7"	17.3"	35.9"	22.4"	1.8"
46H-RDP-4A-0070	10,500@27.5"	4,800@700	8" - 55"	IV	2°	2,782	1,262	8.1"	11.1"	17.3"	37.6"	23.9"	1.8"
46H-RDP-4A-0075	10,000@30.0"	4,550@765	8" - 60"	IV	2°	2,856	1,296	8.1"	11.7"	17.3"	40.3"	26.0"	1.8"
46H-RDP-4A-0080	9,650@31.5"	4,400@800	8" - 63"	IV	2°	2,906	1,318	8.1"	11.9"	17.3"	41.8"	27.5"	1.8"
46H-RDP-4A-0085	8,500@36.0"	3,850@915	11" - 72"	IV	2°	3,073	1,394	8.1"	13.0"	17.2"	46.6"	31.5"	1.8"
46H-RDP-4A-0090	7,300@42.5"	3,300@1075	8" - 85"	IV	2°	3,310	1,501	8.1"	14.7"	17.2"	53.2"	37.3"	1.8"

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

- 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. 0° mounting must be used when stacking above 220".
- 2° mounting is recommended for frequent bilge handling and/or with rubber or urethane pad coatings, which increase the pad thickness.
- 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.

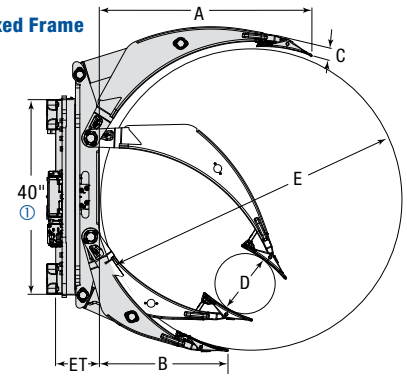
HYDRAULIC FLOW & PRESSURE

Model	Maximum Clamp & Rotate Operating Pressure (psi)	Maximum Deliverable Truck Pressure (psi)	Clamp Circuit Pressure Protected Yes/No?	Rotator Circuit Pressure Protected Yes/No?	Number of Functions	Flow Clamp Min-Rec-Max Function 1 / gpm
46H	2300	2300	No	No	2	10 - 15 - 20

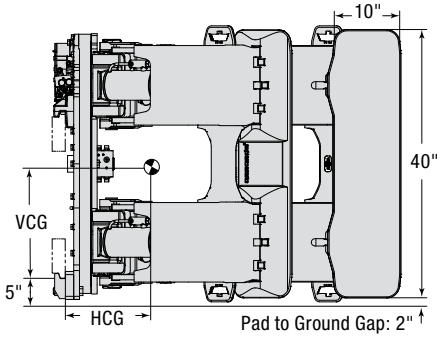
ROTATOR SPECIFICATIONS

Model	RPM	Recommended Flow GPM	Torque in-lbs@2300 psi
46H	3.9	15	118,000

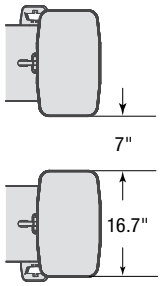
Fixed Frame



Solid Arm



Split Arm



Catalog Order No.	Capacity@ Load Center lbs@in	Capacity@ Load Center kg@mm	Roll Range D-E	Mtg. Class	Mtg. Angle	Weight lbs	Weight kg	Effective Thickness ET	Horizontal Ctr. of Gravity HCG	Vertical Ctr. of Gravity VCG	Long Arm Length A	Short Arm Length B	Long Arm Thickness C
Fixed Frame/Positioned Short Arm/Solid Long Arm													
55H-RCP-4A-0015	14,000@25.5"	6400@650	18" - 51"	IV	0°	3,209	1,456	10.2"	11.2"	18.2"	35.9"	22.4"	1.8"
55H-RCP-4A-0020	13,150@27.5"	6000@700	19" - 55"	IV	0°	3,237	1,468	10.2"	11.5"	18.2"	37.6"	23.9"	1.8"
55H-RCP-4A-0025	12,100@30.0"	5500@765	8" - 60"	IV	0°	3,364	1,526	10.2"	12.2"	18.2"	40.3"	26"	1.8"
55H-RCP-4A-0030	11,550@31.5"	5200@800	8" - 63"	IV	0°	3,428	1,555	10.2"	12.6"	18.2"	41.8"	27.5"	1.8"
55H-RCP-4A-0035	10,100@36.0"	4600@915	11" - 72"	IV	0°	3,601	1,633	10.2"	13.6"	18.2"	46.6"	31.5"	1.8"
55H-RCP-4A-0040	8,600@42.5"	3900@1075	17" - 85"	IV	0°	3,810	1,728	10.2"	15.1"	18.2"	53.2"	37.3"	1.8"
55H-RCP-4A-0065	14,000@25.5"	6400@650	18" - 51"	IV	2°	3,172	1,439	9.4"	10.5"	18.4"	35.9"	22.4"	1.8"
55H-RCP-4A-0070	13,150@27.5"	6000@700	19" - 55"	IV	2°	3,200	1,452	9.4"	10.9"	18.4"	37.6"	23.9"	1.8"
55H-RCP-4A-0075	12,100@30.0"	5500@765	8" - 60"	IV	2°	3,327	1,509	9.4"	11.5"	18.4"	40.3"	26"	1.8"
55H-RCP-4A-0080	11,550@31.5"	5200@800	8" - 63"	IV	2°	3,391	1,538	9.4"	11.9"	18.4"	41.8"	27.5"	1.8"
55H-RCP-4A-0085	10,100@36.0"	4600@915	11" - 72"	IV	2°	3,564	1,616	9.4"	13.0"	18.4"	46.6"	31.5"	1.8"
55H-RCP-4A-0090	8,600@42.5"	3900@1075	17" - 85"	IV	2°	3,773	1,712	9.4"	14.5"	18.4"	53.2"	37.3"	1.8"
Fixed Frame/Positioned Short Arm/Split Long Arm													
55H-RDP-4A-0015	14,000@25.5"	6400@650	18" - 51"	IV	0°	3,197	1,450	10.2"	11.0"	18.2"	35.9"	22.4"	1.8"
55H-RDP-4A-0020	13,150@27.5"	6000@700	19" - 55"	IV	0°	3,225	1,463	10.2"	11.4"	18.2"	37.6"	23.9"	1.8"
55H-RDP-4A-0025	12,100@30.0"	5500@765	8" - 60"	IV	0°	3,352	1,521	10.2"	12.0"	18.2"	40.3"	26.0"	1.8"
55H-RDP-4A-0030	11,550@31.5"	5200@800	8" - 63"	IV	0°	3,432	1,557	10.2"	12.6"	18.2"	41.8"	27.5"	1.8"
55H-RDP-4A-0035	10,100@36.0"	4600@915	11" - 72"	IV	0°	3,573	1,621	10.2"	13.4"	18.2"	46.6"	31.5"	1.8"
55H-RDP-4A-0040	8,600@42.5"	3900@1075	17" - 85"	IV	0°	3,783	1,716	10.2"	14.9"	18.2"	53.2"	37.3"	1.8"
55H-RDP-4A-0065	14,000@25.5"	6400@650	18" - 51"	IV	2°	3,160	1,433	9.4"	10.4"	18.4"	35.9"	22.4"	1.8"
55H-RDP-4A-0070	13,150@27.5"	6000@700	19" - 55"	IV	2°	3,188	1,446	9.4"	10.7"	18.4"	37.6"	23.9"	1.8"
55H-RDP-4A-0075	12,100@30.0"	5500@765	8" - 60"	IV	2°	3,315	1,504	9.4"	11.4"	18.4"	40.3"	26.0"	1.8"
55H-RDP-4A-0080	11,550@31.5"	5200@800	8" - 63"	IV	2°	3,394	1,540	9.4"	11.9"	18.4"	41.8"	27.5"	1.8"
55H-RDP-4A-0085	10,100@36.0"	4600@915	11" - 72"	IV	2°	3,536	1,604	9.4"	12.7"	18.4"	46.6"	31.5"	1.8"
55H-RDP-4A-0090	8,600@42.5"	3900@1075	17" - 85"	IV	2°	3,746	1,699	9.4"	14.2"	18.4"	53.2"	37.3"	1.8"

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

- 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. 0° mounting must be used when stacking above 220".
- 2° mounting is recommended for frequent bilge handling and/or with rubber or urethane pad coatings, which increase the pad thickness.
- 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.

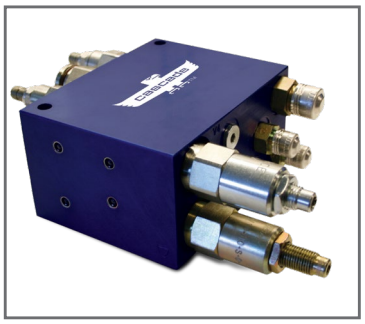
HYDRAULIC FLOW & PRESSURE

Model	Maximum Clamp & Rotate Operating Pressure (psi)	Maximum Deliverable Truck Pressure (psi)	Clamp Circuit Pressure Protected Yes/No?	Rotator Circuit Pressure Protected Yes/No?	Number of Functions	Flow Clamp Min-Rec-Max Function 1 / gpm
55H	2300	2300	No	No	2	10 - 15 - 20

ROTATOR SPECIFICATIONS

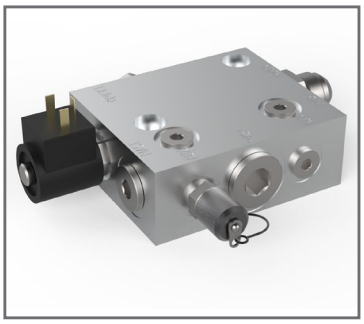
Model	RPM	Recommended Flow GPM	Torque in-lbs@2300 psi
55H	3.6	15	160,000

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.

Ribbed Herringbone



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

RXH Rubber



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

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.)

Bolt-On Rubber



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

Herringbone (Tissue)



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

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