



Versatility, Efficiency.

APPLICATIONS

Designed for mills, warehouses, printers, newspaper publishers and converters with demanding operations handling kraft, newsprint and coated paper stocks.

FEATURES

Reduced Roll Damage

- Proven contact pad shape and surface holds rolls securely
- Thin-arm profile and smooth-arm contour eases roll breakout and permits close stacking
- Positioned Short Arm and Swing Frame models maintain thin-arm profile over a wide range of roll diameters

Faster Roll Handling

- Good visibility through and around clamp
- Continuous 360° rotation

Excellent Durability

- Unitized construction provides structural integrity in arms and frame
- Proven strong rotator drive train
- Pivot bushings are lube-free and provide longer service life

MODELS

Fixed Frame/Fixed Short Arm

- Good arm profile when handling rolls near maximum diameter

Fixed Frame/Positioned Short Arm

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

Swing Frame/Positioned Short Arm

- Improves handling in tight stacking locations such as boxcar breakout, allows easy lateral positioning
- Arms can be positioned to equal length configuration

Split Arm

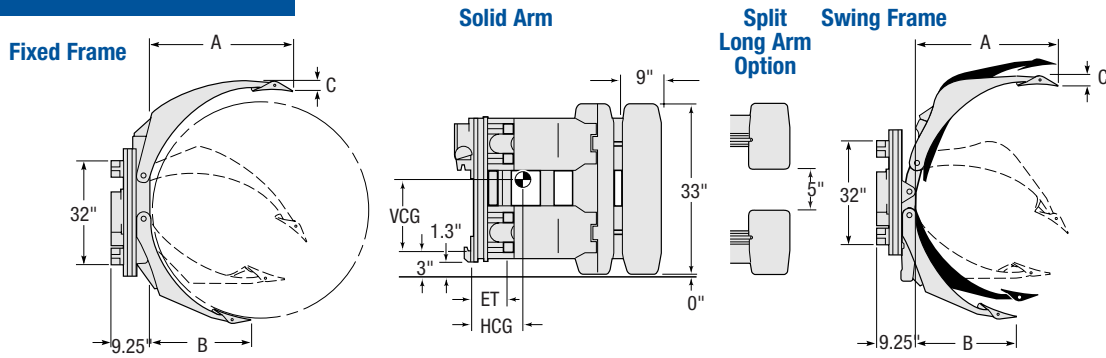
- The two long arm sections move independently, allowing you to handle two different size rolls simultaneously

OPTIONS

- AFC (Adaptive Force Control) for automatic control of clamping pressure that changes as roll weight changes
- 180° mechanical stop group
- Electronic Rotational Control for precise 180° and 90° (bilge) positioning
- Adjustable bumper that ensures rolls are correctly positioned between the pads, not trapped in the arms
- Wide variety of rubber, urethane and other pads are available for improved handling of certain papers

*A versatile,
high-production
roll clamp for
kraft, newsprint
and coated
papers.*

45F PAPER ROLL CLAMP



Capacity @ Diameter		Roll Range	Type	Catalog Order No.	Mfg. Class	Mfg. Angle ①	Weight		Effective Thickness	Horizontal Ctr. of Gravity	Vertical Ctr. of Gravity	Long Arm Length	Short Arm Length	Long Arm Thickness
lbs @ inches	kg @ mm						lbs	kg						
4,500 @ 45"	2,045 @ 1,145	18"-45"	Fixed	45F-RCF-02A	II	0°	1,400	636	7.75"	10.2"	13.5"	29.5"	20.0"	1.8"
4,500 @ 45"	2,045 @ 1,145	18"-45"	Short	45F-RCF-02F	II	4°	1,390	631	6.75"	9.2"	13.5"	29.5"	20.0"	1.8"
4,500 @ 45"	2,045 @ 1,145	18"-45"	Arm	45F-RCF-02B	III	0°	1,440	654	9.35"	11.7"	13.5"	29.5"	20.0"	1.8"
4,500 @ 45"	2,045 @ 1,145	18"-45"		45F-RCF-02G	III	4°	1,410	640	7.85"	10.3"	13.5"	29.5"	20.0"	1.8"
4,500 @ 45"	2,045 @ 1,145	8"-45"	Positioned Short Arm	45F-RCP-01A	II	0°	1,410	640	7.75"	10.2"	13.5"	29.5"	20.0"	1.8"
4,500 @ 45"	2,045 @ 1,145	8"-45"		45F-RCP-01F	II	4°	1,400	636	6.75"	9.2"	13.5"	29.5"	20.0"	1.8"
4,500 @ 45"	2,045 @ 1,145	8"-45"		45F-RCP-01B	III	0°	1,460	663	9.35"	11.7"	13.5"	29.5"	20.0"	1.8"
4,500 @ 45"	2,045 @ 1,145	8"-45"		45F-RCP-01G	III	4°	1,430	649	7.85"	10.3"	13.5"	29.5"	20.0"	1.8"
4,500 @ 45"	2,045 @ 1,145	10"-45"③	Swing	45F-RCS-21A	II	0°	1,515	688	7.75"	9.7"	13.5"	29.4"	19.6"	2.9"④
4,500 @ 45"	2,045 @ 1,145	10"-45"③	Frame ②	45F-RCS-21F	II	4°	1,505	683	6.75"	8.7"	13.5"	29.4"	19.6"	2.9"④
4,500 @ 45"	2,045 @ 1,145	10"-45"③	Positioned Short Arm	45F-RCS-21B	III	0°	1,555	706	9.35"	11.3"	13.5"	29.4"	19.6"	2.9"④
4,500 @ 45"	2,045 @ 1,145	10"-45"③		45F-RCS-21G	III	4°	1,525	692	7.85"	9.8"	13.5"	29.4"	19.6"	2.9"④
4,500 @ 51"	2,045 @ 1,295	25"-51"	Fixed Short Arm	45F-RCF-04A	II	0°	1,470	667	7.75"	11.1"	13.5"	32.5"	22.5"	1.8"
4,500 @ 51"	2,045 @ 1,295	25"-51"		45F-RCF-04F	II	4°	1,450	658	6.75"	10.1"	13.5"	32.5"	22.5"	1.8"
4,500 @ 51"	2,045 @ 1,295	25"-51"		45F-RCF-04B	III	0°	1,500	681	9.35"	12.6"	13.5"	32.5"	22.5"	1.8"
4,500 @ 51"	2,045 @ 1,295	25"-51"		45F-RCF-04G	III	4°	1,480	672	7.85"	11.2"	13.5"	32.5"	22.5"	1.8"
4,500 @ 51"	2,045 @ 1,295	10"-51"	Positioned Short Arm	45F-RCP-03A	II	0°	1,490	677	7.75"	11.3"	13.5"	32.5"	22.5"	1.8"
4,500 @ 51"	2,045 @ 1,295	10"-51"		45F-RCP-03F	II	4°	1,470	667	6.75"	10.3"	13.5"	32.5"	22.5"	1.8"
4,500 @ 51"	2,045 @ 1,295	10"-51"		45F-RCP-03B	III	0°	1,520	690	9.35"	12.8"	13.5"	32.5"	22.5"	1.8"
4,500 @ 51"	2,045 @ 1,295	10"-51"		45F-RCP-03G	III	4°	1,500	681	7.85"	11.4"	13.5"	32.5"	22.5"	1.8"
4,500 @ 51"	2,045 @ 1,295	10"-51"③	Swing	45F-RCS-23A	II	0°	1,580	717	7.75"	10.6"	13.5"	32.5"	22.0"	1.9"④
4,500 @ 51"	2,045 @ 1,295	10"-51"③	Frame ②	45F-RCS-23F	II	4°	1,570	713	6.75"	9.6"	13.5"	32.5"	22.0"	1.9"④
4,500 @ 51"	2,045 @ 1,295	10"-51"③	Positioned Short Arm	45F-RCS-23B	III	0°	1,610	731	9.35"	12.1"	13.5"	32.5"	22.0"	1.9"④
4,500 @ 51"	2,045 @ 1,295	10"-51"③		45F-RCS-23G	III	4°	1,590	722	7.85"	10.7"	13.5"	32.5"	22.0"	1.9"④
3,750 @ 60"	1,705 @ 1,525	25"-60"	Fixed Short Arm	45F-RCF-06A	II	0°	1,635	742	7.75"	13.2"	13.5"	38.2"	25.9"	3.7"
3,750 @ 60"	1,705 @ 1,525	25"-60"		45F-RCF-06F	II	4°	1,615	733	6.75"	12.2"	13.5"	38.2"	25.9"	3.7"
3,750 @ 60"	1,705 @ 1,525	25"-60"		45F-RCF-06B	III	0°	1,665	756	9.35"	14.7"	13.5"	38.2"	25.9"	3.7"
3,750 @ 60"	1,705 @ 1,525	25"-60"		45F-RCF-06G	III	4°	1,645	747	7.85"	13.3"	13.5"	38.2"	25.9"	3.7"
3,750 @ 60"	1,705 @ 1,525	10"-60"	Positioned Short Arm	45F-RCP-05A	II	0°	1,655	751	7.75"	13.4"	13.5"	38.2"	25.9"	3.7"
3,750 @ 60"	1,705 @ 1,525	10"-60"		45F-RCP-05F	II	4°	1,635	742	6.75"	12.4"	13.5"	38.2"	25.9"	3.7"
3,750 @ 60"	1,705 @ 1,525	10"-60"		45F-RCP-05B	III	0°	1,685	765	9.35"	14.9"	13.5"	38.2"	25.9"	3.7"
3,750 @ 60"	1,705 @ 1,525	10"-60"		45F-RCP-05G	III	4°	1,665	756	7.85"	13.5"	13.5"	38.2"	25.9"	3.7"

- ① 4° mounting provides reduced effective thickness (Lost Load) and ease in handling horizontal (bilge) rolls. 0° mounting must be used when stacking above 130".
- ② Swing frame clamps require a Control Valve Group and 3-function hosing over the mast. Refer to the Control Valve Group chart in the Installation Section on page 4-2 for additional details and order numbers.
- ③ Maximum swing for 10"-45" roll range is 6.4" and for 10"-51" roll range is 7.2".
- ④ When in equal-arm position, thickness is 1.5" in both long and short arms.
- ▶ Split Arm available. Consult Cascade for specifications.
- ▶ Cascade Cast Pad is standard.

ROTATOR SPECIFICATIONS

Rotator Speed	Rotator Torque
5.2 RPM @ 15 GPM	80,000 Inch-Lbs. @ 2300 PSI

- ▶ Optional motors providing faster rotation are available. Reduced torque will result.

INSTALLATION KIT

Clamp Type	Catalog Order No.
Fixed Frame	675158
Swing Frame	675157

HYDRAULIC FUNCTIONS

Model	Hydraulic Functions	Truck Aux. Valves Required
Fixed Frame	2	2
Swing Frame	3	2

HYDRAULIC FLOW & PRESSURE

Min. Flow	Recommended Flow	Max. Flow (rotate, clamp)	Max. Pressure
5 GPM	10 GPM	15 GPM	2,300 PSI/159 bar