



The standard for the kraft industry.

*A versatile, high
production roll
clamp for heavy
kraft, linerboard
and coated
stocks.*

APPLICATIONS

The 90F and 100F Paper Roll Clamps are designed for operations that handle large, heavy rolls such as kraft, linerboard and heavily coated stocks. They are application rated and field proven for demanding operations. Available load capacities range from 9,000 to 11,000 lbs. depending on the model, with roll diameters ranging from 51" to 84".

FEATURES

Reduced Roll Damage

- Proven contact pad shape and surface holds rolls securely
- Positioned Short Arm and Swing Frame models maintain thin arm profile over a wide range of roll diameters, easing roll breakout and permitting close stacking

Fast Roll Handling

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

Excellent Durability

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

MODELS

Fixed Frame/Fixed Short Arm

- Excellent arm profile when handling rolls near max. diameter.

Fixed Frame/Positioned Short Arm

- Good 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

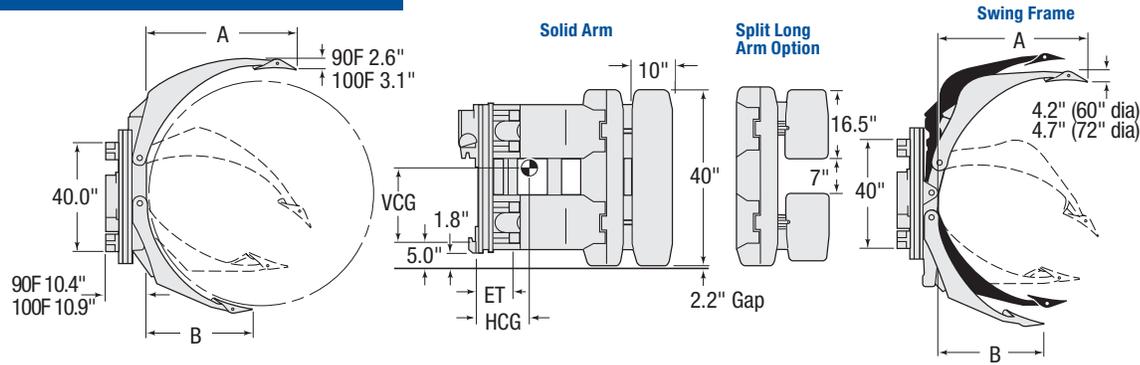
Split Arm

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

OPTIONS

- AFC (Adaptive Force Control) or HFC (Hydraulic Force Control) for automatic control of clamp force
- 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

90F/100F PAPER ROLL CLAMP



360° Rotation

Catalog Order No.	Capacity for Diameter		Roll Range	Mtg. Class	Mtg. Angle	Weight	Effective Thickness	Horizontal Ctr. of Gravity	Vertical Ctr. of Gravity	Long Arm Length	Short Arm Length	
	lb @ in	kg @ mm										
Fixed Short Arm												
90F-RCF-08C	9,900 @ 51"	4,495 @ 1,295	22"-51"	IV	2°	2,715	1,233	7.8"	11.2"	22.0"	35.5"	22.3"
90F-RCF-02C	9,000 @ 60"	4,085 @ 1,525	21"-60"	IV	2°	2,830	1,285	7.8"	12.2"	22.0"	38.0"	26.7"
90F-RCF-04C	7,500 @ 72"	3,405 @ 1,830	26"-72"	IV	2°	3,030	1,376	7.8"	13.3"	22.0"	43.6"	32.1"
Positioned Short Arm												
90F-RCP-07C	9,900 @ 51"	4,495 @ 1,295	10"-51"	IV	2°	2,735	1,242	7.8"	11.2"	22.0"	35.5"	22.3"
90F-RCP-01C	9,000 @ 60"	4,085 @ 1,525	10"-60"	IV	2°	2,850	1,294	7.8"	12.2"	22.0"	38.0"	26.7"
90F-RCP-03C	7,500 @ 72"	3,405 @ 1,830	14"-72"	IV	2°	3,050	1,385	7.8"	13.3"	22.0"	43.6"	32.1"
100F-RCP-07C	11,000 @ 51"	4,995 @ 1,295	10"-51"	IV	2°	2,830	1,285	8.3"	11.5"	19.5"	35.5"	22.5"
100F-RCP-01C	10,000 @ 60"	4,540 @ 1,525	10"-60"	IV	2°	3,010	1,367	8.3"	12.4"	19.5"	37.8"	26.7"
100F-RCP-03C	8,500 @ 72"	3,860 @ 1,830	18"-72"	IV	2°	3,300	1,498	8.3"	13.5"	19.5"	43.8"	32.2"
100F-RCP-05C	7,300 @ 84"	3,315 @ 2,135	35"-84"	IV	2°	3,580	1,625	8.3"	14.5"	19.5"	49.8"	37.2"
Swing Frame w/Positioned Short Arm ①②												
90F-RCS-21C	9,000 @ 60"	4,085 @ 1,525	10"-60"	IV	2°	3,050	1,385	7.9"	12.0"	22.0"	39.0"	26.6"
90F-RCS-23C	7,500 @ 72"	3,405 @ 1,830	15"-72"	IV	2°	3,250	1,475	7.9"	13.1"	22.0"	44.8"	32.2"
100F-RCS-27C	11,000 @ 51"	4,995 @ 1,295	10"-51"	IV	2°	3,360	1,527	9.4"	11.6"	19.5"	35.8"	22.6"
100F-RCS-21C	10,000 @ 60"	4,540 @ 1,525	10"-60"	IV	2°	3,540	1,607	9.4"	12.5"	19.5"	37.9"	26.7"
100F-RCS-23C	8,500 @ 72"	3,860 @ 1,830	15"-72"	IV	2°	3,840	1,743	9.4"	14.7"	19.5"	45.5"	31.4"
100F-RCS-25C	7,300 @ 84"	3,315 @ 2,135	22"-84"	IV	2°	4,120	1,873	9.4"	15.7"	19.5"	51.5"	37.5"

① Includes ribbed pads. Requires 2,300 psi operating pressure.

② Swing frame clamps are 3-function attachments. When installed on 2-function trucks they require a Solenoid Adaption Group and 3-function hosing over the mast.

- ▶ Herringbone Pad is standard unless noted otherwise.
- ▶ Split Arm available.
- ▶ 0° mounting provides the driver with a vertical reference to aid in aligning pads to roll, i.e. the pads are at the same angle as the mast. 0° mounting must be used when stacking above 220".
- ▶ 2° mounting provides ease in handling rolls in the horizontal (bilge) position.

ROTATOR SPECIFICATIONS

Min. Truck			Torque
Carriage Width	RPM	Flow GPM	in-lbs. @ 2,300 psi
40"	3.2	17	128,000

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

HYDRAULIC FUNCTIONS

Model	Minimum Pressure psi	Maximum Pressure psi/bar	Number of Functions	Rotate			Clamp			Swing		
				Min	Rec	Max	Min	Rec	Max	Min	Rec	Max
Fixed Frame	500	2,300/160	2	10	15	20	10	15	20	n/a		
Swing Frame	500	2,300/160	3	10	15	20	10	15	20	1	2	3

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