



## Handle two to eight rolls at a time.

### APPLICATIONS

Designed for mills and stevedores where multiple roll handling improves productivity, Cascade's 1- & 2-Stack Tower Clamp is application rated and field proven for demanding high-cycle operations. This versatile clamp handles from two to eight paper rolls.

### FEATURES

- High-strength tubular frame construction
- Hoses routed inside for maximum protection
- Vertical mounting frames located in front of mast rails for unparalleled visibility
- High-grip contact pad surfaces for reduced clamp force requirements
- Split arms for variations of roll diameters
- Lube-free pivot bushings provide longer service life
- Articulating center arm eliminates nip point damage
- Check valves and cylinders can be serviced without clamp disassembly

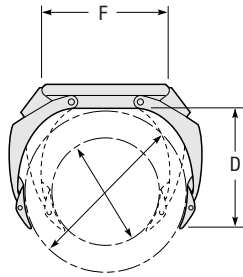
### MODELS

- Available for handling newsprint, coated stock, kraft and linerboard
- Various size rolls from 32" to 71"
- Full or half rolls
- One or two stacks

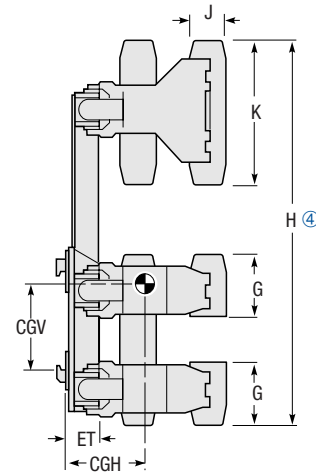
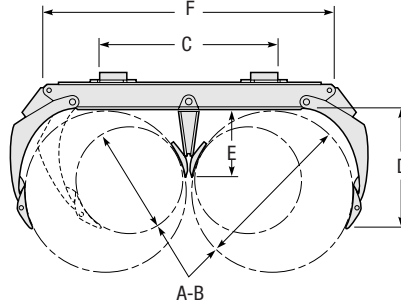


*A durable paper roll clamp for handling two to eight rolls in high-cycle operations.*

## 1-Stack Tower Clamp



## 2-Stack Tower Clamp



### Non-Rotating

Capacity Lbs. @ Diameter	Roll Range A-B	Catalog Order No.	Mounting Class	Minimum Truck Carriage Width C	Weight (Lbs.)	Effective Thickness ET	Horizontal Center of Gravity CGH	Vertical Center of Gravity CGV	Arm Length D	Center Arm Length E	Frame Width F	Pad Height G	Height H	Pad Width J	Pad Height K
<b>Single</b>															
9,900 @ 51"	(32"-51")	<b>100F-TCS-05</b>	IV	42.0"	2,310	6.5"	10"	46"	30.0"	②	39.0"	19.7"	96"	7.5"	25"
11,000 @ 63"	(32"-63")	<b>110F-TCS-06</b>	IV	45.0"	2,970	7.0"	10"	47"	36.0"	②	45.0"	19.0"	102"	9.5"	33"
13,200 @ 71"	(32"-71")	<b>130F-TCS-07</b>	③	45.0"	3,850	7.7"	11"	48"	40.6"	②	53.0"	19.7"	104"	10.0"	33"
<b>Double</b>															
19,800 @ 51"	2x(32"-51")	<b>190F-TCD-05</b>	①	②	4,147	7.3"	9"	46"	31.1"	32.5"	85.4"	19.7"	96"	7.5"	25"
22,000 @ 63"	2x(32"-63")	<b>220F-TCD-06</b>	①	②	4,928	7.7"	9"	47"	38.6"	30.7"	102.4"	19.0"	102"	9.5"	33"
26,400 @ 71"	2x(32"-71")	<b>260F-TCD-07</b>	①	②	5,896	8.5"	10"	48"	43.5"	23.6"	104.4"	19.7"	104"	10.0"	33"

- ① Pin mounted.
  - ② Does not apply.
  - ③ Pin mounting or Class V mounting available. Consult Cascade.
  - ④ Hydraulic vertical adjustments of top clamp are custom. Consult Cascade.
- Attachment capacity is a structural rating only. Actual attachment/truck net working capacities must be obtained from the lift truck manufacturer.

### OPTIONS

- Various contact pad surfaces and sizes
- Pad protectors
- Leg stands
- Integral mounting
- Integral sideshifting
- Independent arm control
- Various frame heights and pad gaps

### HYDRAULIC FLOW AND PRESSURE

Minimum	Recommended	Maximum	Max. Pressure
15 GPM	20 GPM	25 GPM	2,300 PSI

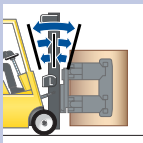
### HYDRAULIC FUNCTIONS

Hydraulic Functions	Truck Auxiliary Valves Required
1	1

### MOUNTING CLASS INFORMATION

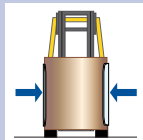
Mounting Class	Truck Capacity
IV	10,001-17,500 lbs.

### Tilt Control



Automatically controls the angle of the mast and attachment, aligning pad with the load.

### Automatic Force Control Products



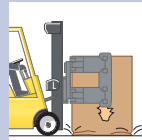
Computer-based clamping systems that automatically control the clamp force in proportion to the load weight.

### Load Cushion™



Hoist System Accumulator that absorbs shocks and reduces the clamp force required to handle the load. Available in one-pint and one-quart sizes.

### Clamp Open Guard



Automatically prevents the roll from being unclamped while it's lifted. Only when the roll has been set down on the ground or another roll does Clamp Open Guard allow the roll to be unclamped.