



High capacity rotators for the toughest applications.

APPLICATIONS

Heavy duty, high capacity D-Series Rotators provide your driver with the ability to quickly dump or invert many loads easily and precisely. Cascade high capacity rotators are widely used in automotive manufacturing, chemical processing, recycling operations, smelting and casting operations—anywhere it is necessary to dump or rotate large capacity loads.

FEATURES

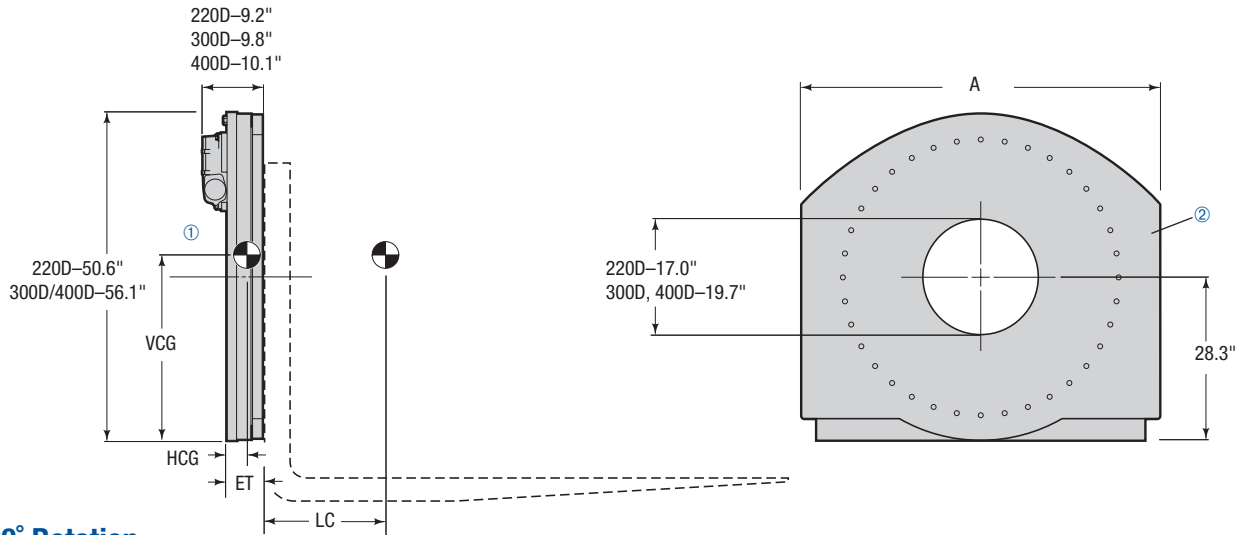
- **Rugged Construction**—Cascade's gear drive box and ring gear design are proven to provide superior service life.
- **Visibility**—The drive box and motor are positioned behind the baseplate to provide maximum visibility for the forklift driver.
- **Visibility window**—for good second tier visibility.
- **Rotational Torque**—Excellent torque specifications ensure smooth, positive rotation of the load.

OPTIONS

- **Special fork sizes and configurations.**
- **Side stabilizers.**
- **Forkbar Width**—Many forkbar widths are available to suit a wide variety of applications.
- **Forks**—Rotators may be ordered with forks or with forkbars only.
- **Heavy-duty Faceplate**

*For load inverting
and dumping
versatility.*





360° Rotation

Capacity @ Load Center (LC)		Catalog Order No.	Mtg. Class	Mtg. Angle	Min. Truck Carriage Width	Weight		Effective Thickness ET	Horizontal Ctr. of Gravity HCG	Vertical Ctr. of Gravity VCG	Overall Width A
lbs @ inch	kg @ mm					lbs	kg				
22,000 @ 30	9,980 @ 760	220D-RRB-00N	①	①	52"	2,500	1,177	③	③	③	55.1"
30,000 @ 30	13,605 @ 760	300D-RRB-00N	①	①	N/A	2,955	1,340	③	③	③	59.1"
40,000 @ 30	18,140 @ 760	400D-RRB-00N	①	①	N/A	3,325	1,508	③	③	③	59.1"

For Extended Load Centers see chart below.

- ① Various mounting styles are available including, ITA Class V, Pin type, Integral, Modified bolt-on/integral.
 - ② Custom bolt hole patterns can be added to the face of the rotator to easily adapt forks, ladles or other add-ons.
 - ③ Specifications depend on the style and type of mounting. Consult Cascade for specifications with mounting, fork, ladles or other add-ons.
- ▶ 220D Speed: 2.4 RPM @ 20 GPM. Torque: 218,000 Inch-Lbs. @ 2,300 PSI.
 - ▶ 300D Speed: 2.3 RPM @ 20 GPM. Torque: 334,000 Inch-Lbs. @ 2,300 PSI.
 - ▶ 400D Speed: 1.8 RPM @ 20 GPM. Torque: 425,000 Inch-Lbs. @ 2,300 PSI.
 - ▶ Optional motors are available for increased torque. Contact Cascade.

Fork Options

- Fixed fork weldments
- Class V fork bars available for 220D & 300D models
- Moveable forks

CAPACITIES @ EXTENDED LOAD CENTERS (LC)

Model	30"	36"	48"
220D	22,000 lbs	14,665 lbs	11,000 lbs
300D	30,000 lbs	25,000 lbs	18,750 lbs
400D	40,000 lbs	33,300 lbs	25,000 lbs

INSTALLATION KIT

Model	Catalog Order No.
220D/300D/400D	659245

HYDRAULIC FLOW & PRESSURE REQUIREMENTS

Model	Minimum Flow	Recommended Flow	Maximum Flow	Maximum Pressure
220D/400D	12 GPM	20 GPM	30 GPM	2,300 PSI/159 bar
300D	8 GPM	20 GPM	25 GPM*	2,300 PSI/159 bar

* Lower hydraulic volume required due to smaller motor size.

RECOMMENDED TRUCK ACCESSORIES

Hydraulic Flow Control Valves



Without Pressure Relief

Input Flow	Output Flow	Relief Pressure	Catalog Order No.
35 GPM	20 GPM	None	6026790
50 GPM	20 GPM	None	6037229



With Pressure Relief

Input Flow	Output Flow	Relief Pressure	Catalog Order No.
50 GPM	20 GPM	2,300 PSI	6026785
50 GPM	20 GPM	2,300 PSI	6037232