

Add rotating capability to your forklift.

*For load inverting
and dumping
versatility.*

APPLICATIONS

G-Series Rotators give your driver the ability to quickly dump or invert a load, and then immediately return the forks to the pick-up position in one continuous motion. Cascade rotators are widely used in food processing, automotive manufacturing, chemical processing, recycling operations, smelting and casting operations, and general manufacturing—anywhere it is necessary to dump bins or tote boxes.

FEATURES

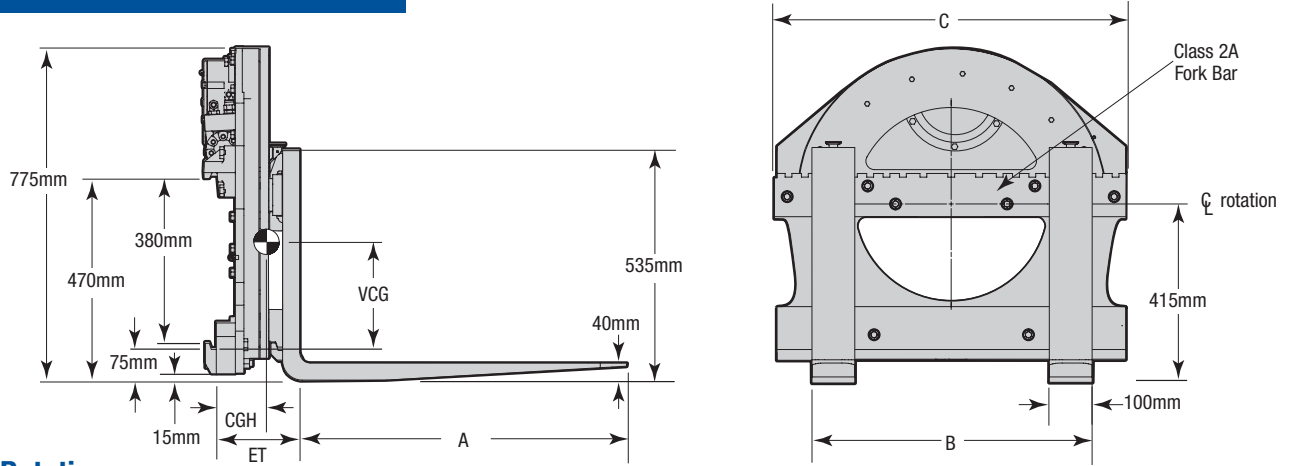
- **Rugged Construction**—Cascade's gear drive box and ring gear design are proven to provide superior durability.
- **Visibility**—Large visibility window gives the driver an excellent view of the fork tips. Center seal locks out contamination.
- **Rotational Torque**—Good torque specifications ensure smooth, positive rotation of the load.
- **Fork Bar Width**—Many fork bar widths are available to suit a wide variety of applications.
- **Forks**—Rotators may be ordered with forks or with fork bars only.
- **Dual Class 2A, 3A Mounting Holes on 55G**—for easy conversion of mounting hooks when changing truck sizes.

OPTIONS

- **180° Rotation Stop Group**—Used when stopping rotation at precisely 180° is desirable.
- **Special Fork Sizes and Configurations.**
- **Quick-Change Lower Mounting Hooks**—Allow the rotator to be removed or installed in a matter of minutes without tools. (Quick-change hydraulic couplers available separately)
- **Hydraulic Bin Retainer**—Custom designed to clamp on top of bin to hold bin in place while rotating. Typically used when bin does not have fork pockets.
- **Mechanical Bin Retainer**—designed to retain lightweight bins.
- **Side Stabilizers**—to help retain the load during rotation.



45G ROTATORS



360° Rotation

Catalog Order No.	Capacity @ 500 mm Load Center kg	Fork Length A	Fork Spread B	Overall Width C	Mfg. Class	Mtg. Angle	Min. Truck Carriage Width	Mass kg	Effective Thickness ET(mm)	Horizontal Ctr. of Gravity CGH(mm)	Vertical Ctr. of Gravity CGV(mm)
45G-RRB-A510	2,500 ①	w/o forks	810	860	2A	0°	810	247	155	76	311
45G-RRB-A520	2,500 ①	w/o forks	940	990	2A	0°	810	253	155	81	310
45G-RRB-A514	2,500	1,200	810	865	2A	0°	810	347	193	201	236
45G-RRB-A524	2,500	1,200	940	990	2A	0°	810	352	193	201	236

① See Capacity Chart for capacities with various fork sizes. Rating is for rotator structure

INSTALLATION KIT

Catalog Order No.
#6 JIC 659245

HYDRAULIC FUNCTIONS

Hydraulic Functions	Truck Aux. Valves Required

HYDRAULIC FLOW & PRESSURE

Minimum Flow	Recommended Flow	Maximum Flow	Maximum Pressure
19L/min	38L/min	57L/min	160 bar

ROTATOR SPECIFICATIONS

Model	Rotator Speed	Rotator Torque
45G	7,0 RPM @ 57L/min	7120 Nm @ 160 Bar

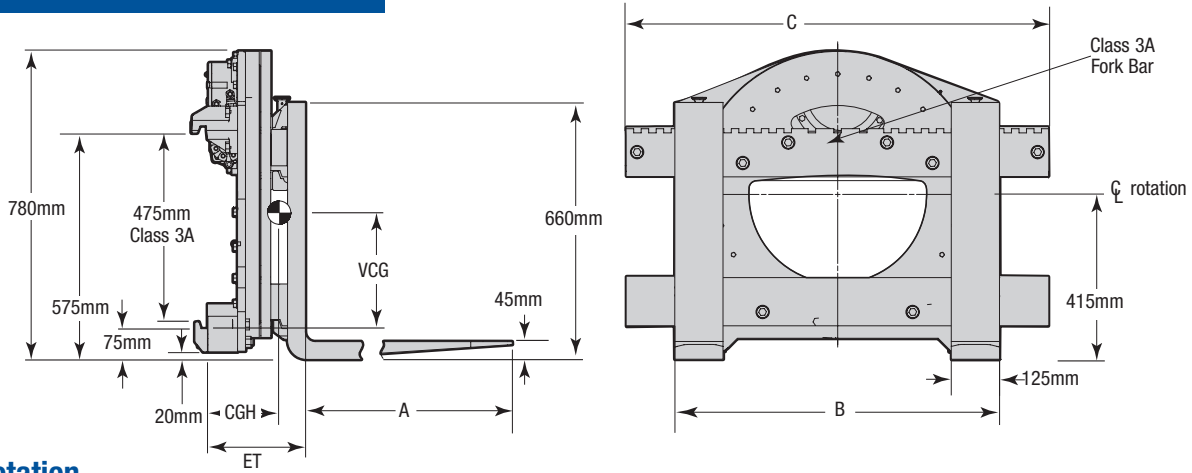
► Optional motors providing increased torque are available. Reduced rotation speed will result.

ROTATOR CAPACITY CHART

Model	Fork Class	Load Center	Metric Fork Size (W x T)			
			100 x 35 mm	100 x 40 mm ②	125 x 40 mm ③	125 x 45 mm ④
45G	2	500mm	1,950 kg	2,500 kg	2,500 kg	2,500 kg
55G	2	500mm	1,950 kg	2,500 kg	2,700 kg	2,700 kg
65G	3	500mm	-	-	2,800 kg	3,200 kg

- ② or 4" x 1.5" equivalent
- ③ or 5" x 1.5" equivalent
- ④ or 5" x 1.75" equivalent

65G ROTATORS



360° Rotation

Catalog Order No.	Capacity @ 500 mm Load Center kg	Fork Length A	Fork Spread B	Overall Width C	Mtg. Class	Mtg. Angle	Min. Truck Carriage Width mm	Mass kg	Effective Thickness ET(mm)	Horizontal Ctr. of Gravity CGH(mm)	Vertical Ctr. of Gravity CGV(mm)
65G-RRB-B510	3,200 ①	w/o forks	1,070	1,120	3A	0°	810	328	201	122	305
65G-RRB-B520	3,200 ①	w/o forks	1,220	1,270	3A	0°	810	339	201	125	305
65G-RRB-B514	3,200	1,200	1,070	1,120	3A	0°	810	476	246	246	236
65G-RRB-B524	3,200	1,200	1,220	1,270	3A	0°	810	487	246	244	236

① See Capacity Chart on 45G page for capacities with various fork sizes. Rating is for rotator structure.

INSTALLATION KIT

	Catalog Order No.
#6 JIC	659245

HYDRAULIC FLOW & PRESSURE

Minimum Flow	Recommended Flow	Maximum Flow	Maximum Pressure
19L/min	38L/min	57L/min	160 bar

HYDRAULIC FUNCTIONS

Hydraulic Functions	Truck Aux. Valves Required
1	1

ROTATOR SPECIFICATIONS

Model	Rotator Speed	Rotator Torque
65G	5,2 RPM @ 57L/min	9,040Nm @ 160 bar

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

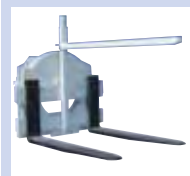
ROTATOR OPTIONS



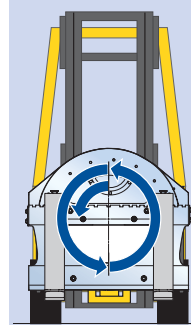
Fork Restraints to limit fork movement.



Hydraulic Bin Retainer
Custom designed to clamp on top of bin to hold bin in place while rotating. Typically used when bin does not have fork pockets.



Mechanical Bin Retainer
Class II, designed to retain lightweight bins.



Electronic Rotational Control
Provides 90° and 180° stops during 360° rotation, which automatically stops load at each quadrant of rotation. (Factory Installed)

FORK RESTRAINT KIT

Class	Catalog Order No.
2	6040523
3	6043624

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