



Cascade's  
TURNALOAD™  
handles a wide  
variety of load  
inverting and  
rotating tasks.

## For Load Inverting, Rotating and Pallet-to-Pallet Transfers

### APPLICATIONS

Cascade's TURNALOAD™ allows for bale spinning and knifing between loads of scrap bales. It also transfers loads rapidly from captive "in-house" pallets to less expensive shipping pallets, or to customer pallets. The TURNALOAD™ can be used to invert products susceptible to sedimentation as well as dumping bins and tote boxes. Substantially increases productivity by reducing or eliminating the manual labor involved with load inversion.

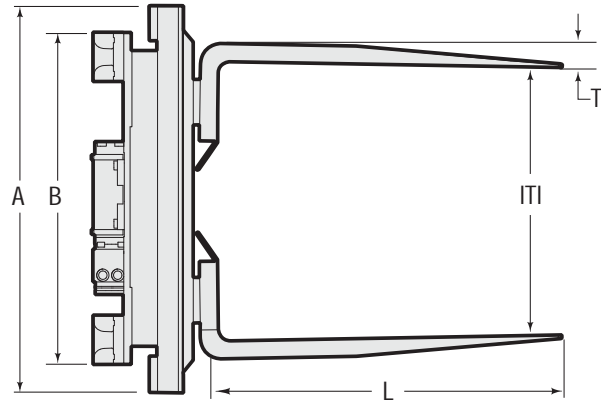
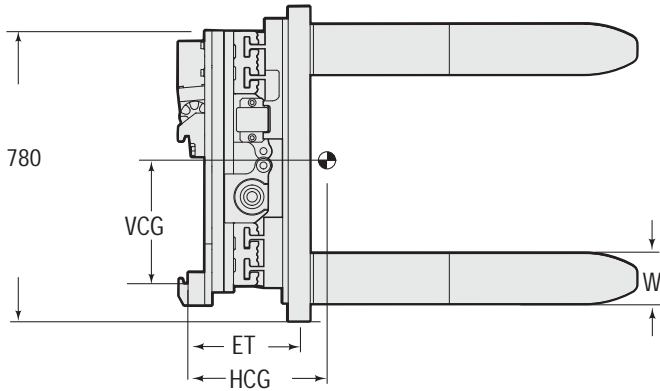
### FEATURES

- Designed to fit both old and new generation fork lift trucks.
- Profiled arms provide maximum visibility through and around the frame without sacrificing strength.
- Steel frame sections, extruded alloy steel arm bars, cast arm bases guarantee outstanding durability and reliability.
- Built in hydraulic flow dividers and bi-directional relief valve guarantee fast and uniform arm movement.
- All hydraulic functions are pressure protected. Available for both High and Low pressure truck systems.
- Bolt-on pallet fork arms and lower frame wear strips.

### OPTIONS

- Side stabilizer for inverting loads that are not bound together.
- 180° rotation stop group used when the load is repeatedly rotated in the same 180° cycle and a permanent rotation stop point is desired.
- Flow dividers continually adjust hydraulic flow to equalize arm speed.
- Special extended opening and narrow closing ranges.





Catalogue Order No.	Capacity @ Load Centre	Frame width (mm)		Opening Range (mm)	Fork Size (mm)	Minimum Truck Carriage Width (mm)	Effective thickness (mm)	Horizontal Centre of gravity (mm)	Vertical Centre of gravity (mm)	Weight (kg)	Mounting class
	kg @ mm	A	ITI	LxWxT	B	ET	HCG	VCG			
28G-TAL-A212	1400@500	950	560-1645	1000x100x40	813	285	224	298	615	2A	
36G-TAL-A314	1800@500	1050	590-1800	1200x125x40	813	293	293	320	653	2A	
44G-TAL-A314	2200@500	1050	590-1800	1200x125x40	813	295	294	320	659	2A①	
44G-TAL-A514	2200@500	1150	590-1905	1200x125x40	813	295	291	320	672	2A①	
52G-TAL-B314	2600@500	1050	610-1795	1200x125x50	813	342	349	319	760	3A	
52G-TAL-B424	2600@500	1100	735-2100	1200x125x50	813	342	346	319	780	3A	
64G-TAL-B513	3200@500	1150	710-2055	1200x150x50	795	349	317	340	933	3A	
64G-TAL-B723	3200@500	1250	610-1955	1200x150x50	795	349	312	340	964	3A	
70G-TAL-B623	3000@600	1250	610-2000	1200x150x60	865	333	305	372	1172	3A	
77G-TAL-B623	3500@600	1350	610-2000	1200x150x60	Contact Cascade					3A	

- ① Mounting Class 3A available - Consult Cascade for specifications.
- ▶ Lift trucks with auxiliary pressures between 155 and 189 bar maximum require low pressure attachments. Lift trucks with auxiliary pressures between 190 and 250 bar maximum require high pressure attachments.
- ▶ The minimum load height which can be picked up from the floor is not determined by the opening range, but by the frame width. Consult Cascade for detailed quotation.
- ▶ Turnaload clamps are built to order. When ordering please specify:
  - "Transfer To" and "Transfer From," pallet size, material and construction.
  - Material to be handled and how to be packaged.
  - Load weight and size (H x W x L).
  - Bottom arm shut off standard. Top arm shut off or both arms moveable available.

- ▶ Side Stabilizer may be required when rotating bagged products or other slick materials. Consult Cascade for details.
- ▶ Frame Bumper not included.

**MOUNTING CLASS INFORMATION**

Mounting Class	Truck Capacity@Load Centre
2	1000-2500 kg @ 500 mm
3	2501-4999 kg @ 500 mm

**HYDRAULIC FUNCTIONS**

Hydraulic Functions	Truck Auxiliary Valves Required
3	2

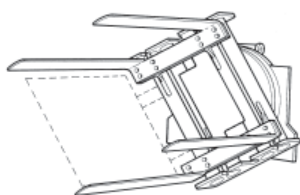
**ROTATOR SPECIFICATIONS**

Model	Speed @ L/Min.	Torque
28G,36G,44G,52G	5.2 RPM @ 57	8490 Nm @ 140 bar

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

**HYDRAULIC FLOW & PRESSURE**

Model	Min. Flow L/min.	Rec. Flow L/min.	Max. Flow L/min.	Maximum Pressure (bar)
28G-77G Sideshifting & NSS	19	26	38	250 bar
28G-77G Rotator Function	19	38	57	160 bar



Fixed or Hydraulic Side Stabilizers available. Consult Cascade.