



## About us

As a professional forklift attachments manufacturer, Riggerte is a company that focus on manufacturing, designing, and selling and has a great growth of potentiality. Our factory located in Xiamen city which is well known of beautiful scenery and Chinese forklift truck center.



## Our Equipment

NC cutting machine, hydraulic press machine, semi-automatic welding machine, Shot blasting machine, plasma cutting machine, painting machine, ultrasonic flaw detector and so on.



## Our Products

Paper roll clamps, carton clamps, rotators, push & pull, sidershifters, fork positioners, bale clamps and other special forklift attachments. They are widely used in paper making, tobacco, printing, harbor, packing chemical and construction industries.

## Our Quality

Our factory is approved by ISO 9001. A completely comprehensive simulation test and full loading operation test before delivery guarantee each product is good and secure for clients.

## Professional Forklift Attachments Manufacturer

# RIGGERTE PATENTS



### 1 Paper Roll Clamp

Loading Capacity: 1300~8000kgs  
Mounting Class: II, III, IV, V...  
Roll Range: Ø250~2300mm  
Hydraulic Circuit Request: 2 sets  
Rotating: 360 degree  
Applications: Paper making, packaging industry, printing industry and so on.



### 2 Bale Clamp

Loading Capacity: 1900~10000kgs  
Mounting Class: II, III, IV, V...  
Arm Length: 90~1500mm  
Opening Range: 420~4200mm  
Hydraulic Circuit Request: 1~3 sets  
Applications: cotton, textile, wool, pulp, waste paper, hay and industrial scrap and other soft items.



### 3 Push/Pull

Loading Capacity: 1000~2500kgs  
Mounting Class: II, III  
Push or Pull Distance: 1000~1300mm  
Slip sheet saving: Available  
Hydraulic Circuit Request: 1~3 sets  
Applications: factory, warehouse and transporting center where materials packed in unit, bags, boxes and pallets.



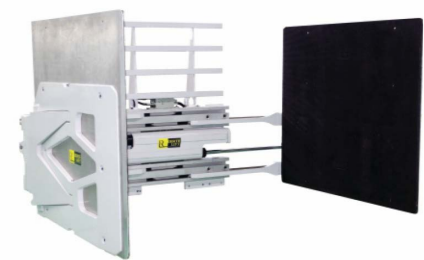
### 4 Rotator

Loading Capacity: 2500~6800kgs  
Mounting Class: II, III, IV  
Carriage Width Range: 860~1850mm  
Rotating degree: 360 degree  
Hydraulic Circuit Request: 1 set  
Applications: chemical industry, sanitation, recycling and smelting.



### 5 Carton Clamp

Loading Capacity: 1400~2500kgs  
Mounting Class: II, III  
Arm Height: 1200~1520mm  
Opening Range: 530~2180mm  
Hydraulic Circuit Request: 2 sets  
Applications: foods, chemical products, fruit and vegetables or other boxed cargo in warehouses, beverage, home appliance and the electronics industries.



### 6 Hinged Carriage

Loading Capacity: 2500~6000kgs  
Mounting Class: II, III, IV  
Tilt Forward: 45 degree  
Tilt Backward: 25 degree  
Hydraulic Circuit Request: 1 sets  
Applications: wood industry, architecture and construction, Metallurgical industry, livestock industry and so on.



### 7 Pallet Turnover

Loading Capacity: 1500~2000kgs  
Mounting Class: III  
Push Distance: 1270mm  
Opening Range: 930~1550mm  
Hydraulic Circuit Request: 2 sets and solenoid valve  
Applications: transporting center and warehouse, chemical plant, agriculture and construction industry.



### 8 Fork Clamp

Loading Capacity: 1000~3300kgs  
Mounting Class: II, III, IV  
Fork Length: 900~1500mm  
Opening Range: 420~1950mm  
Hydraulic Circuit Request: 2 sets  
Applications: Kinds of fields where a regular forklift truck needed.



### 9 Block Clamp

Loading Capacity: 1500~2500kgs  
Mounting Class: II, III  
Arm Length: 1100~1550mm  
Opening Range: 500~1840mm  
Hydraulic Circuit Request: 2 sets  
Applications: Blocks and bricks factory and warehouse.



### 10 Fork Positioner

Loading Capacity: 2500~7500kgs  
Mounting Class: II, III, IV  
Forks Distance: 50~1400mm  
Side Shift distance: ± 150mm  
Hydraulic Circuit Request: 2 sets  
Applications: Every forklift trucks.



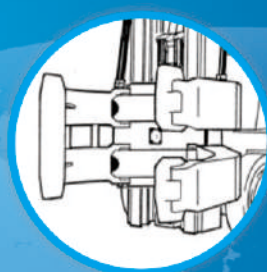
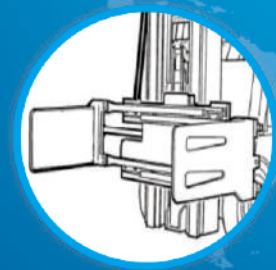


Professional Forklift Truck  
Engineering Attachments Manufacturer



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# PRODUCT MANUAL



Riggerte (Xiamen) Forklift Truck Attachments Co.,Ltd



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Riggerte is a professional manufacturer of forklift truck attachments and engineering machinery attachments. We not only supply high quality attachments, but also comprehensive services, such as, attachments type selection, attachments knowledge training and promotion, attachments installation and good after-sales service.





# General situation



## 1、 Explanation

All of products listed on this manual are Riggerte's standard products. Non-standard and customized attachments which are designed for different working condition and variety brands of forklift are available.

## 2、 Requirement of matching forklift truck

In order to achieve the best performance of the forklift, the working pressure of FLT attachments should not exceed its maximum. If there are special operating conditions, such as a variety of pressure settings, device for adjusting pressure is needed.

## 3、 Connector type

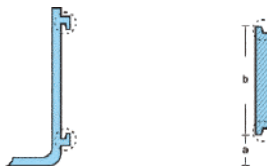
The standard configuration for the oil port connector is the international end seal type (thread size is M18 \* 1.5). There are connectors to match different brand of forklift. Please contact Riggerte sales representative for more information.

## 4、 Loading capacity

The bearing capacity is the maximum carrying capacity at the center of the rated load. The actual integrated carrying capacity also depends on the handling of the cargo, the working conditions and the carrying capacity of the forklift. The values calculated in accordance with the formula for the comprehensive carrying capacity of the forklift listed in the third page of this manual are estimates and are only for reference.

## 5、 Installation grade

All products loading capacity less than 10999Kg / 600mmLCD can be installed according to ISO2328 standard.



Mounting Class ISO	Forklift truck capacity kg	LCD mm	a mm	b mm
1	0-999	400	76	331
2	1000-2500	500	76	407
3	2501-4999	500	76	508
4	5000-8000	600	127	635
5	8001-10999	600	127	728

Please contact us directly for all ISO5 grade, pin type and other special installation requirements.



## Explanation of FLT Attachments Model No.



Model number of Riggerte's attachments include three parts, alphabets and numbers connected by symbol of dash.

<b>RC - 2TD - F1600</b>				
Attachment Model.No.	Attachment Loading capacity	Product Series	Structure pattern	Arm opening range(Max.)
Attachment Functions and structure	Loading capacity= Number * 1000 (KG)	Products Generation	Attachment structures	Maximum opening size
RC:Roll Clamp BC: Bale Clamp	2T=2000KG	D: D series F: F series	F:Fixed S:Sideshift R:Rotate	1600:Maximum opening size is 1600mm



## Warranty Policy



All new products of Riggerte (Xiamen) Forklift Truck Attachment Co.,Ltd, including attachments, forks and service parts, are warranted for 12 months following the date of delivery to the primary carrier, or 2000 hours of operation, whichever terminates first alternatively. For more warranty details, please feel free contact with us.

\*This product manual is only for reference of forklift truck attachment selection.

\*All technical data, specification and performance parameters subject to change without notice



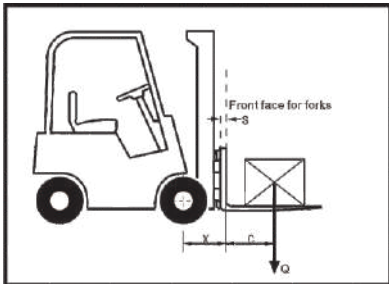


# Integrated capacity of a forklift with attachment.

Loading capacity is an important factor that must be considered when you select a forklift truck and its attachment. Due to the following two reasons, the integrated capacity of counterbalance forklift truck will be declined after installation of attachments.

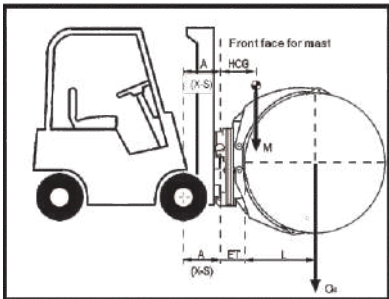
- 1.Weight of attachment counteracts loading capacity of the forklift truck.
- 2.Thickness of attachment rear structure makes the center of gravity of cargo further.

The following formula helps to calculate the net carrying capacity, ie, the load weight limit, for reference only.



### Forklift truck parameter:

- Q: Forklift truck's loading capacity (Kg)
- (Note: Truck loading capacity is related with lifting height)
- X: Distance from front wheel center line to fork face (mm)
- C: The horizontal distance from the front end of the fork to the center of the load



### Attachments calculation parameter:

- M: Weight of attachments (Kg)
- A: Distance from front wheel center line to fork front face
- HCG: Distance from fork front face to attachment's center of gravity
- ET: Distance from fork front face to carriage rear face of load (mm)
- L: Distance from rear face of load to center of load (mm)

For example, that:

3T forklift truck with attachment RC-2TG-P1300

Q=300Kg X=480mm C=500mm S=50mm

M=690Kg A=400mm HCG=325mm ET=235mm

L=650mm

### Integrated Capacity:

$$C_N = \frac{Q(X+C)-M(A+HCG)}{A+ET+L}$$

$$C_N = \frac{300(480+500)-690(400+325)}{400+235+650}$$

$$C_N = 1840\text{kg}$$

Integrated capacity is calculated from forklift and attachments' rated loading capacity. The minimum capacity of three is the final capacity when a forklift assembled with an attachment and cargo weight must be no more than it.

\*Please get the forklift attachments' accurate integrated capacity from forklift truck manufacturer.



### Function & Application

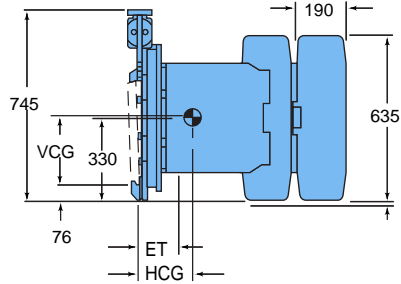
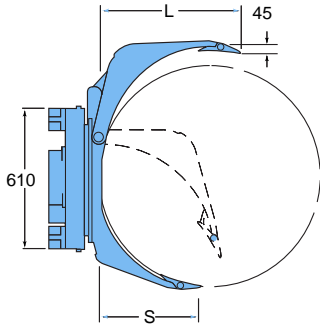
Paper roll clamp can meet the need of high efficiency, safety and damage free during roll handling and stacking. Rotating 360 degree right and left and 90 degree forward makes a paper roll easy to switch horizontally and vertically. The clamp widely used in paper making, carton packaging, printing and stevedoring without any pallet involved.



05 F series Paper Roll Clamp

06 G series Paper Roll Clamp

08 H series Paper Roll Clamp

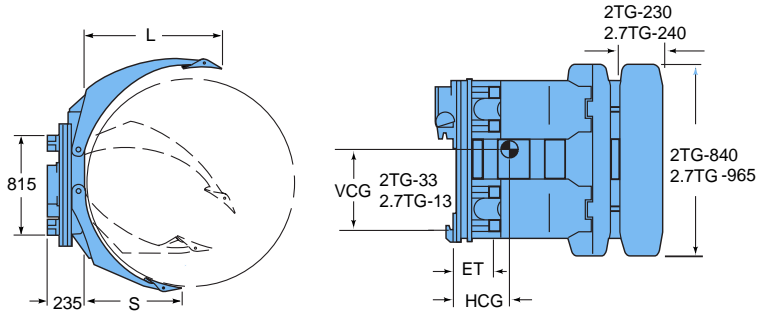


Catalog Order.No	Capacity (kg)	Roll Range (mm)	Mounting Class	Long Arm Length L (mm)	Short Arm Length S (mm)	Vertical Center of Gravity VCG (mm)	Weight (kg)	Effective Thickness ET (mm)	Horizontal Center of Gravity HCG (mm)
<b>RC-1.3TF-F1150</b>	1300	330-1150	II	680	510	320	340	135	215
<b>RC-1.3TF-F1300</b>	1200	410-1300	II	790	570	320	350	135	220
<b>RC-1.3TF-F1500</b>	1100	450-1500	II	900	670	325	430	150	270
<b>RC-1.3TF-F1600</b>	1000	560-1600	II	950	720	325	450	150	290

Note: \*Two additional hydraulic functions needed  
 \*Contact pads are offered according to different handling tasks program  
 \*Please consult with our sales representatives before your purchasing.







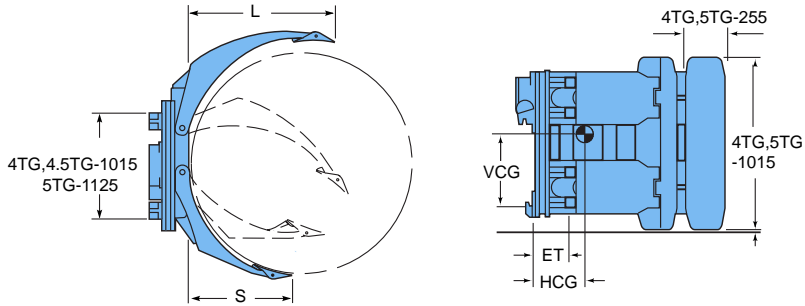
Catalog Order.No	Capacity (kg)	Roll Range (mm)	Mounting Class	Long Arm Length L (mm)	Short Arm Length S (mm)	Vertical Center of Gravity VCG (mm)	Weight (kg)	Effective Thickness ET (mm)	Horizontal Center of Gravity HCG (mm)
RC-2TG-F1300	2000	630-1300	II/III	830	560	345	680	195/235	280/320
RC-2TG-P1300	2000	250-1300	II/III	830	560	345	675	195/235	285/325
RC-2TG-F1600	2000	630-1600	II/III	950	770	355	765	180/215	300/340
RC-2TG-P1600	2000	350-1600	II/III	950	770	355	755	180/215	300/340
RC-2TG-F1830	1700	680-1830	III	1130	920	360	880	235	445
RC-2TG-P1830	1700	380-1830	III	1130	920	360	885	235	445
RC-2TG-F1350	2000	690-1350	II/III	830	560	345	655	195	280
RC-2TG-P1350	2000	310-1350	II/III	830	560	345	655	195	285
RC-2.7TG-P1350	2700	330-1350	III	850	560	345	760	195	270
RC-2.7TG-F1350	2700	590-1350	III	850	560	345	750	195	270
RC-2.7TG-F1520	2700	560-1520	III	950	690	350	820	195	305
RC-2.7TG-P1520	2700	250-1520	III	950	690	350	830	195	305

Note: \*Two additional hydraulic functions needed

\*Contact pads are offered according to different handling tasks program

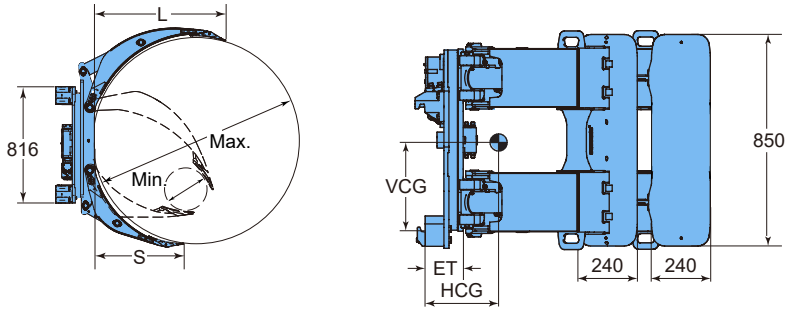
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Catalog Order.No	Capacity (kg)	Roll Range (mm)	Mounting Class	Long Arm Length	Short Arm Length	Vertical Center of Gravity	Weight (kg)	Effective Thickness	Horizontal Center of Gravity
				L (mm)	S (mm)	VCG (mm)		ET (mm)	HCG (mm)
RC-4TG-F1300	4000	560-1300	III/IV	870	580	420/490	1135	220	285
RC-4TG-P1300	4000	250-1300	III/IV	870	580	420/490	1145	220	295
RC-4TG-F1520	3500	610-1520	III/IV	1000	680	420/490	1180	220	320
RC-4TG-P1520	3500	250-1520	III/IV	1000	680	420/490	1200	220	320
RC-4TG-F1830	2700	635-1830	III/IV	1165	800	420/490	1290	220	350
RC-4TG-P1830	2700	360-1830	III/IV	1165	800	420/490	1300	220	350
RC-4TG-P2030	2500	635-2030	III/IV	1250	930	420/490	1385	200	390
RC-4TG-F2030	2500	800-2030	III/IV	1250	930	420/490	1385	200	390
RC-4.5TG-F1300	4500	560-1300	IV	900	570	570	1230	200	285
RC-4.5TG-P1300	4500	250-1300	IV	900	570	570	1240	200	285
RC-4.5TG-F1520	4100	530-1520	IV	965	690	570	1285	200	310
RC-4.5TG-P1520	4100	250-1520	IV	965	690	570	1295	200	310
RC-4.5TG-F1830	3400	660-1830	IV	1105	800	570	1375	200	335
RC-4.5TG-P1830	3400	360-1830	IV	1105	800	570	1385	200	335
RC-4.5TG-F2200	2700	450-2200	IV	1250	930	570	1490	200	380
RC-4.5TG-P2200	2700	850-2200	IV	1250	930	570	1480	200	380
RC-5TG-P1300	5000	250-1300	IV	900	580	500	1285	210	290
RC-5TG-P1520	4500	250-1520	IV	960	690	500	1365	210	315
RC-5TG-P1830	3900	460-1830	IV	1115	800	500	1500	210	340
RC-5TG-P2130	3300	890-2130	IV	1265	930	500	1625	210	365
RC-5TG-P1830	4550	455-1830	IV	1115	800	500	1700	250	300
RC-5TG-P2135	3850	890-2135	IV	1265	930	500	1830	250	325
RC-8TG-P1300	8000	530-1300	IV	985	580	520	1490	250	255

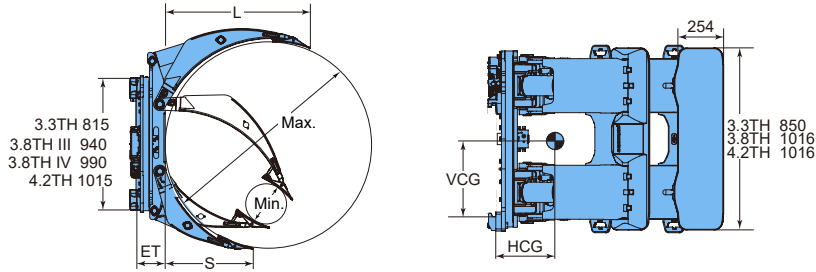
Note: \*Two additional hydraulic functions needed  
 \*Contact pads are offered according to different handling tasks program  
 \*Please consult with our sales representatives before your purchasing.



Catalog Order.No	Capacity (kg)	Roll Range (mm)	Mounting Class	Long Arm Length L (mm)	Short Arm Length S (mm)	Vertical Center of Gravity VCG (mm)	Weight (kg)	Effective Thickness ET (mm)	Horizontal Center of Gravity HCG (mm)
<b>Fixed short arm</b>									
RC-2.2TH-F1150	2200	350-1150	III	810	510	360	570	220	265
RC-2.2TH-F1300	2200	440-1300	III	895	590	360	595	220	290
RC-2.2TH-F1400	2200	440-1400	III	950	620	360	610	220	295
RC-2.2TH-F1525	2000	490-1525	III	1010	680	360	635	220	320
RC-2.2TH-F1600	1900	500-1600	III	1045	720	360	645	220	330
RC-3TH-F1300	3000	450-1300	III	908	579	430	715	197	260
RC-3TH-F1400	2800	575-1400	III	955	626	430	725	197	275
RC-3TH-F1520	2550	575-1520	III	1008	698	430	755	197	293
RC-3TH-F1600	2450	625-1600	III	1100	740	430	775	197	293
RC-3TH-F1830	2150	625-1830	III	1236	850	433	854	197	330
<b>Positioned short arm</b>									
RC-2.2TH-P1150	2200	200-1150	III	810	510	365	575	220	265
RC-2.2TH-P1300	2200	200-1300	III	895	590	365	600	220	290
RC-2.2TH-P1400	2200	200-1400	III	950	620	365	615	220	295
RC-2.2TH-P1525	2000	200-1525	III	1010	680	365	635	220	320
RC-2.2TH-P1600	1900	200-1600	III	1045	720	365	650	220	325
RC-3TH-P1300	3000	200-1300	III	908	579	430	730	197	260
RC-3TH-P1400	2800	200-1400	III	955	626	430	735	197	275
RC-3TH-P1520	2550	200-1520	III	1008	698	430	770	197	293
RC-3TH-P1600	2450	200-1600	III	1100	740	430	781	197	293
RC-3TH-P1830	2150	200-1830	III	1236	850	433	858	197	330

Note: \*Two additional hydraulic functions needed  
 \*Contact pads are offered according to different handling tasks program  
 \*Please consult with our sales representatives before your purchasing.





Catalog Order.No	Capacity (kg)	Mounting Class	Roll Range (mm)	Long Arm Length L (mm)	Short Arm Length S (mm)	Vertical Center of Gravity VCG (mm)	Weight (kg)	Effective Thickness ET (mm)	Horizontal Center of Gravity HCG (mm)
RC-3.3TH-F1300	3500	III	425-1300	908	579	430	751	209	261
RC-3.3TH-P1300	3500	III	200-1300	908	579	430	760	209	260
RC-3.3TH-F1400	3300	III	500-1400	955	626	430	769	209	286
RC-3.3TH-P1400	3300	III	200-1400	955	626	430	778	209	285
RC-3.3TH-F1520	3000	III	575-1520	1008	698	430	790	209	280
RC-3.3TH-P1520	3000	III	200-1520	1008	698	430	799	209	279
RC-3.3TH-F1600	2850	III	575-1600	1100	740	430	821	209	311
RC-3.3TH-P1600	2850	III	200-1600	1100	740	430	829	209	309
RC-3.3TH-F1830	2500	III	600-1830	1236	850	433	872	209	326
RC-3.3TH-P1830	2500	III	200-1830	1236	850	433	880	209	324
RC-3.8TH-P1300	4000	III/IV	200-1300	900	586	443	1000	214	296
RC-3.8TH-P1400	3900	III/IV	200-1400	955	624	443	1039	214	306
RC-3.8TH-P1520	3800	III/IV	200-1520	1015	685	443	1072	214	325
RC-3.8TH-P1600	3600	III/IV	200-1600	1060	720	443	1090	214	334
RC-3.8TH-P1830	3150	III/IV	200-1830	1180	825	443	1150	214	364
RC-4.2TH-P1300	4500	IV	200-1300	899	584	434	1117	216	284
RC-4.2TH-P1400	4350	IV	200-1400	983	627	434	1166	216	297
RC-4.2TH-P1520	4200	IV	200-1520	1016	686	434	1177	216	315
RC-4.2TH-P1600	4000	IV	200-1600	1057	721	434	1193	216	325
RC-4.2TH-P1830	3500	IV	200-1830	1178	828	434	1250	216	356
RC-4.2TH-P2160	3000	IV	200-2160	1349	973	434	1354	216	396

Note: \*Two additional hydraulic functions needed  
 \*Contact pads are offered according to different handling tasks program  
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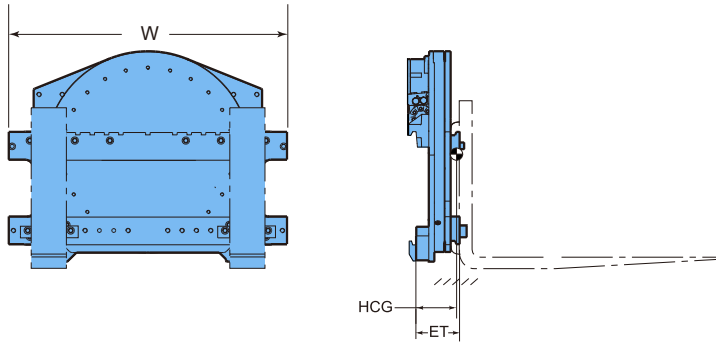
### Function & Application

Rotator is widely used for fields like food, chemical industry, sanitation, recycling, smelting and casting and foundry those who require turnover, tipping and rotating 360 degree movements during cargo handling operation.



**11 D Series Rotator**

**12 G Series Rotator**



Catalog Order No.	Capacity@ Load Center (kg@mm)	Truck/ Rotator Mounting Class	Rotator/ Fork Mounting Class	Overall Width W (mm)	Minimum Truck Carriage Width (mm)	Vertical Center of Gravity VCG (mm)	Weight (kg)	Effective Thickness ET (mm)	Horizontal Center of Gravity HCG (mm)
<b>RT-2.5TD-860</b>	2500@600	II	II	860	810	310	270	155	80
<b>RT-2.5TD-1000</b>	2500@600	II	II	1000	810	310	275	155	80
<b>RT-3TD-1000</b>	3000@600	II	II	1000	810	315	275	155	80
<b>RT-3TD-1120</b>	3000@600	II	II	1120	810	315	285	155	80
<b>RT-3.5TD-1120</b>	3500@600	III	III	1120	810	315	350	200	120
<b>RT-3.5TD-1270</b>	3500@600	III	III	1270	810	315	355	200	120

Note: \*One additional hydraulic functions needed from forklift truck

\*Some rotators' low beam are equipped with block to fix fork. Please adjust the block according to the width of forks to choose one of the mating surface to fasten forks preventing moving when the load is rotating.

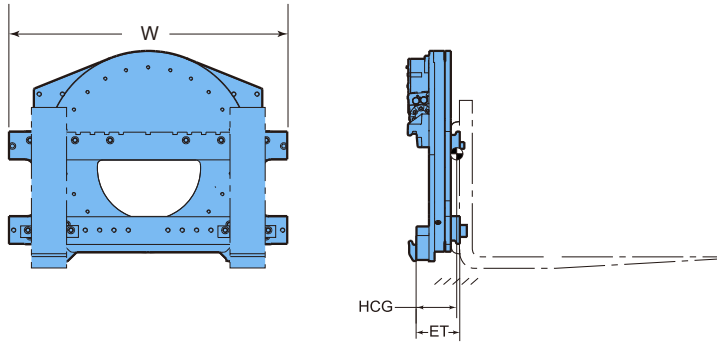
\*Exclude fork, please notice the requirement of loading capacity of fork.

\*For those rotators with hooks, the forks must be welded hook as well.

\*Customized products are available for different working conditions.

## Hydraulic Flow & Pressure

Model	Pressure(MP)	Hydraulic Flow (L/min)		
	Rec.	Min.	Rec.	Max.
Rotator				
2.5T/3T/3.5T	16	20	40	55
4.5T/5T	16	25	45	55
6T	16	40	75	75
7T	16	45	75	95



Catalog Order No.	Capacity@ Load Center	Truck/ Rotator Mounting Class	Rotator/ Fork Mounting Class	Overall Width (Carriage Width)	Minimum Truck Carriage Width	Vertical Center of Gravity	Weight (kg)	Effective Thickness	Horizontal Center of Gravity
	(kg@mm)			W (mm)		VCG (mm)		ET (mm)	HCG (mm)
<b>RTT-2.5TG-860</b>	2500@600	II	II	860	810	315	280	155	80
<b>RTT-2.5TG-1000</b>	2500@600	II	II	1000	810	315	285	155	80
<b>RTT-3TG-1000</b>	3000@600	II	II	1000	810	315	290	155	80
<b>RTT-3TG-1120</b>	3000@600	II	II	1120	810	315	295	155	80
<b>RTT-3.5TG-1120</b>	3500@600	III	III	1120	810	315	360	200	120
<b>RTT-3.5TG-1270</b>	3500@600	III	III	1270	810	315	365	200	120
<b>RTT-4.5TG-1060</b>	4500@600	III	III	1060	940	300	475	160	85
<b>RTT-4.5TG-1520</b>	4500@600	III	III	1520	940	300	525	160	90
<b>RTT-5.4TG-1250</b>	5400@600	IV	IV	1250	1040	285	735	170	95
<b>RTT-5.4TG-1550</b>	5400@600	IV	IV	1550	1040	285	790	170	100
<b>RTT-5.4TG-1850</b>	5400@600	IV	IV	1850	1040	285	850	170	100
<b>RTT-6.8TG-1250</b>	6800@600	IV	IV	1250	1040	300	930	215	120
<b>RTT-6.8TG-1550</b>	6800@600	IV	IV	1550	1040	300	990	215	125
<b>RTT-6.8TG-1850</b>	6800@600	IV	IV	1850	1040	300	1050	215	130

Note: \*One additional hydraulic functions needed from forklift truck

\*Some rotators' low beam are equipped with block to fix fork. Please adjust the block according to the width of forks to choose one of the mating surface to fasten forks preventing moving when the load is rotating.

\*Exclude fork, please notice the requirement of loading capacity of fork.

\*For those rotators with hooks, the forks must be welded hook as well.

\*Customized products are available for different working conditions.



### Function & Application

Push/ Pull are used to carry the goods placed on the skateboard for handling cargo without pallet in high efficiency and low loss. They are widely used in fertilizer, feed, grain, flour, salt, food, cement and other bags, box cargo handling and stacking industry.



**14 Installation & Option**

**15 Push/Pull**

**16 Forks-Push**

**17 Quick mounted Push/Pull**



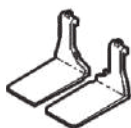
## Hydraulic Flow & Pressure

Model	Pressure(MP)	Hydraulic Flow (L/min)		
	Max.	Min.	Rec.	Max.
Push	16	15	25	40
Pull	16	15	25	40
Fork plate side shifting pattern	16	15	25	40

## Options & Accessories



Extended height and width pad



Optional fork plate



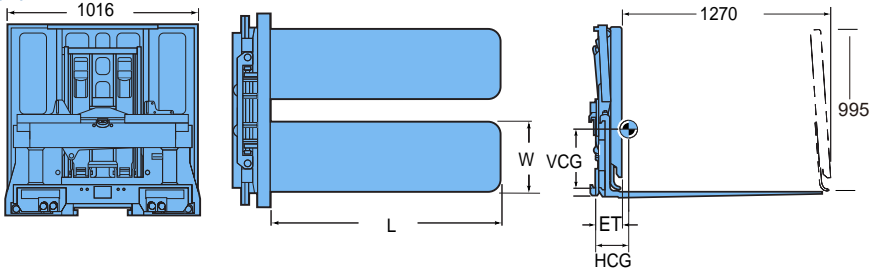
Multiple fork



Multiple fork



Fork group


**Standard**


Catalog Order No.	Capacity@ Load Center (kg@mm)	Mounting Class	Platen Size WxL (mm)	Stroke (mm)	Minimum Truck Carriage Width (mm)	Vertical Center of Gravity	Weight	Effective Thickness	Horizontal Center of Gravity
						VCG (mm)	(kg)	ET (mm)	HCG (mm)
<b>Push</b>									
PU-1.6TE-B455	1600@600	II	455x1220	1270	790	310	300	165	265
PU-1.6TE-B380	1600@600	II	380x1220	1270	790	310	290	165	245
PU-2TE-B455	2000@600	II	455x1220	1270	790	310	315	165	285
PU-2TE-B380	2000@600	II	380x1220	1270	790	310	300	165	265
<b>Push Pull (no side-shifting)</b>									
PP-1.6TE-B455	1600@600	II	455x1220	1270	790	230	345	165	245
PP-1.6TE-B380	1600@600	II	380x1220	1270	790	230	335	165	225
PP-2TE-B455	2000@600	II	455x1220	1270	790	230	360	165	265
PP-2TE-B380	2000@600	II	380x1220	1270	790	230	345	165	245
<b>Slip sheet saving Push Pull(no side-shifting)</b>									
PPS-1.6TE-B455	1600@600	II	455x1220	1270	790	290	425	235	270
PPS-1.6TE-B380	1600@600	II	380x1220	1270	790	290	410	235	255
PPS-2TE-B455	2000@600	II	455x1220	1270	790	290	435	235	295
PPS-2TE-B380	2000@600	II	380x1220	1270	790	290	425	235	270

Note: \*One additional hydraulic function of forklift truck required for Push

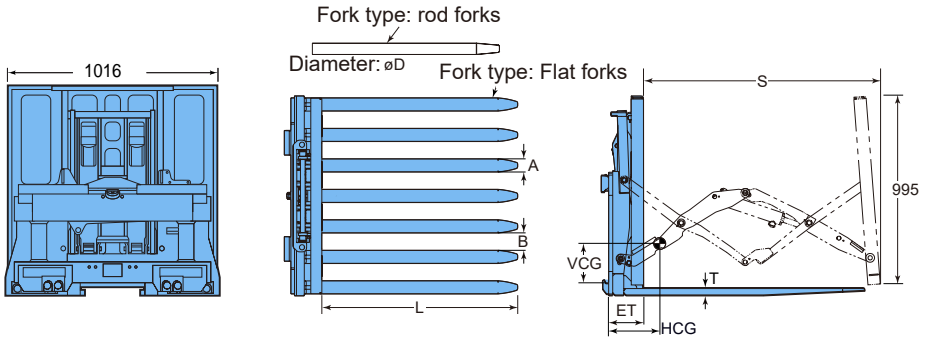
\*One additional hydraulic function of forklift truck required for Pull

\*Two additional hydraulic function of forklift truck for handling slip sheet

\*Side shifting function is available.

\*Customized design is available, for example, push and pull distance, fork plate length and width, face plate height and width.

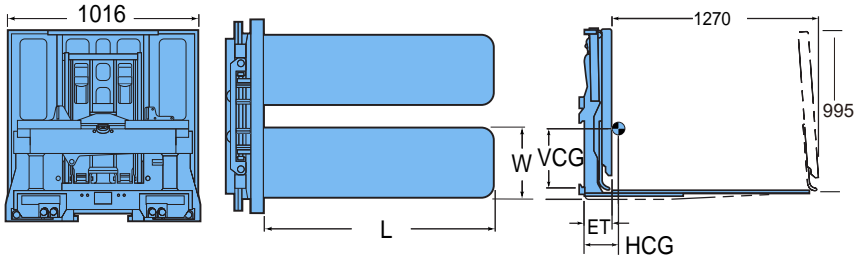




Catalog Order No.	Capacity@ Load Center (kg@mm)	Mounting Class	Stroke S (mm)	Number of Forks or Round Bars	Fork Dimensions AxTxL (mm)	Vertical Center of Gravity	Weight	Effective Thickness	Horizontal Center of Gravity
						VCG (mm)	(kg)	ET (mm)	HCG (mm)
<b>PUB-1.6TE-B1180</b>	1600@600	II	1180	6	80X40X1200	250	500	240	330
<b>PUB-2TE-B1080</b>	2000@600	III	1080	6	80X40X1150	245	520	185	265
<b>PUB-2TE-B1140</b>	2000@600	III	1140	6	80X40X1100	230	550	250	305
<b>PUB-2TE-B1190</b>	2000@600	III	1190	6	80X40X1200	210	500	180	280
<b>PUB-2TE-B1200</b>	2000@600	III	1200	6	80X40X1150	220	630	245	270

Note: \*One additional Hydraulic function of forklift truck needed  
 \*The fork and string parameters must match the multi-slot tray.





Catalog Order No.	Capacity@ Load Center	Mounting Class	Platen Size	Stroke	Minimum Truck Carriage Width	Vertical Center of Gravity	Weight	Effective Thickness	Horizontal Center of Gravity
	(kg@mm)		WxL (mm)	(mm)	(mm)	VCG (mm)	(kg)	ET (mm)	HCG (mm)
<b>PPQ-1.6TE-B455</b>	1600@600	II	455x1220	1270	790	300	360	165	235
<b>PPQ-1.6TE-B380</b>	1600@600	II	380x1220	1270	790	300	350	165	220
<b>PPQ-2TE-B455</b>	2000@600	II	455x1220	1270	790	300	380	165	260
<b>PPQ-2TE-B380</b>	2000@600	II	380x1220	1270	790	300	365	165	245

Note:\*One additional Hydraulic function of forklift truck needed.  
 \*Fork should be attached to forklift truck





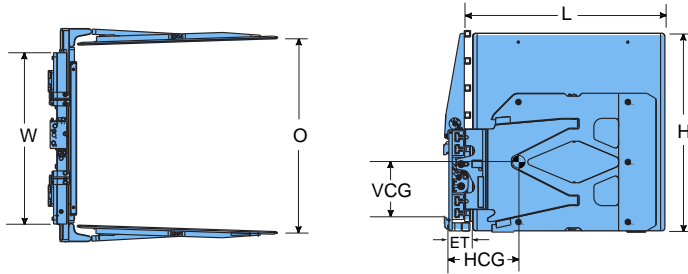
### Function & Application

Carton Clamps are used for handling various carton packaging goods in a safe and efficient way. These clamps are designed for household appliances handling without pallets and stacking, specially for refrigerator, television, washing machine and so on.



**19 D series Carton clamps**

**20 J series Carton clamps**



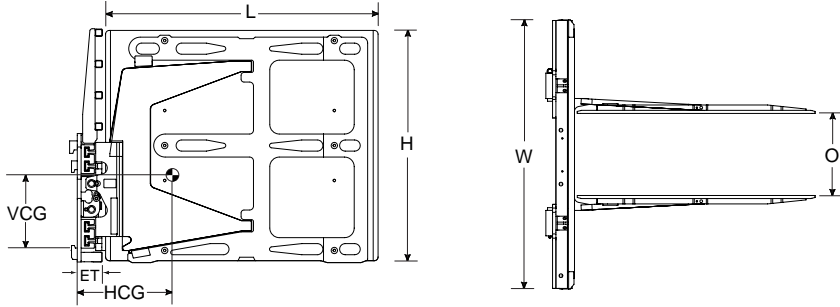
Catalog Order No.	Capacity@ (kg@mm)	Mounting Class	Frame Width W (mm)	Opening Range O (mm)	Arm Height H (mm)	Arm Length L (mm)	Arm Thickness (mm)	Vertical Center of Gravity VCG (mm)	Weight (kg)	Effective Thickness ET (mm)	Horizontal Center of Gravity HCG (mm)
CC-1.4TD-S1950-01	1400@500	II	1040	550-1950	1200	1220	90	930	705	125	450
CC-1.4TD-S1950-02	1400@500	II	1040	550-1950	1200	1420	90	930	790	125	545
CC-1.4TD-S2180-01	1400@500	II	1400	570-2180	1200	1220	90	830	750	125	430
CC-1.4TD-S2180-02	1400@500	II	1400	570-2180	1200	1420	90	830	840	125	520
CC-2TD-S1930-01	2000@500	II	1040	560-1930	1200	1220	90	830	700	125	475
CC-2TD-S1930-02	2000@500	II	1040	560-1930	1200	1420	90	830	770	125	480
CC-2TD-S1930-03	2000@500	II	1040	560-1930	1520	1370	90	830	795	125	545
CC-2TD-S2360	2000@500	II	1600	960-2360	1200	1525	90	960	925	125	550
CC-2.3TD-S1850-01	2300@600	III	1015	530-1850	1520	1170	95	930	950	150	510
CC-2.3TD-S1850-02	2300@600	III	1015	530-1850	1520	1220	95	930	955	150	515

Note: \*Two additional hydraulic function needed

\*Four-Position Pressure Regulator valve is necessary

\*Various contact pad sizes of carton clamp are available according to special work conditions.





Catalog Order No.	Capacity@	Mounting Class	Frame Width	Opening Range	Arm Height	Arm Length	Vertical Center of Gravity	Weight	Effective Thickness	Horizontal Center of Gravity
CC-1.4TJ-S1930-01	1400@500	II / III	1100	530-1930	1220	1220	410	730	130	430
CC-1.4TJ-S1930-02	1400@500	II / III	1100	530-1930	1420	1200	430	750	130	530
CC-1.4TJ-S2150-01	1400@500	II / III	1400	530-2150	1220	1200	410	780	130	430
CC-1.4TJ-S2150-02	1400@500	II / III	1400	530-2150	1420	1200	430	798	130	530

Note: \*Two additional hydraulic function needed

\*Four-Position Pressure Regulator valve is necessary

\*Various contact pad sizes of carton clamp are available according to special work conditions.



## Function & Application



### Bale Clamp :

Bale clamp can handle various forms of soft packs such as cotton, textile, wool, pulp, waste paper, hay and industrial scrap and other soft items for paper making, chemical fiber, waste paper recycling, port and other industries without pallet handling and stacking operations in a safe and efficient way.



### Multi-application steel arm clamp:

Steel arm clamp can handle various cartons, wooden boxes, metal boxes or soft bags and other goods for tobacco, paper, chemical fiber, workshop, port and other industries without pallet handling and stacking operations in a safe and efficient way.



### Tobacco bale clamp:

Tobacco bale clamps are particularly suitable for re-baking tobacco box without pallet handling, gripping arm size can be designed and manufactured according to working condition, according to operating condition of cigarette factory, customized solutions of tobacco bale clamps are available.



### Drum Clamp:

A drum clamp can transport 2 or 4 drums once to improve operating efficiency, they are widely used in bottled cargo handling stacking and dumping operations.



### No-Arm Clamp:

Just as its name implies, No-arm clamp is only with a base without any arms attached. A specified arm can be designed according to consumers' special requirement. The specified arms can be welded to the clamp base to make this attachment suitable for a special application. It is applicable to industries with special requirements for handling and stacking operations.



### Fork Clamp:

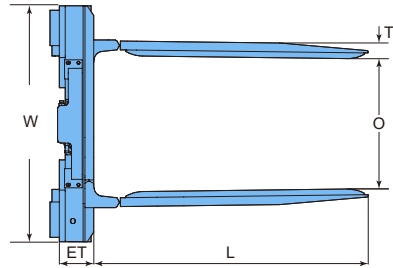
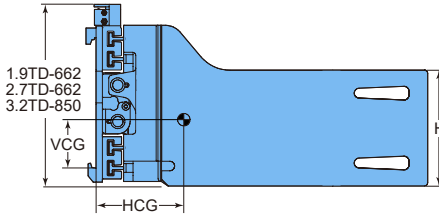
The fork can be used to hold the goods and can be used to fork the pallet cargo, improve the handling efficiency and reduce the damage to the pallet. It is suitable for the rapid handling and stacking operations in the paper industry, chemical fiber, workshop warehouse, port and other industries.

**22 D series Bale clamp**  
**24 G series Bale clamp**  
**25 Pulp Bale clamp**  
**26 Multi-use steel arm clamp**  
**27 Tobacco Bale clamp**  
**28 Drum clamp**

**29 Fork clamp**  
**30 Bar Arm clamp**  
**31 Block clamp**  
**32 Foam Rubber clamp**  
**33 Turnover clamp**



### Sideshifting



Catalog Order No.	Capacity@ Load Center	Mounting Class	Frame Width	Opening Range	Arm Height	Arm Length	Arm Thickness	Vertical Center of Gravity	Weight	Effective Thickness	Horizontal Center of Gravity
	(kg@mm)		W (mm)	O (mm)	H (mm)	L (mm)	T (mm)	VCG (mm)	(kg)	ET (mm)	HCG (mm)
BC-1.9TD-S1730-01	1900@500	II	1040	450-1730	420	1000	70	230	420	125	315
BC-1.9TD-S1730-02	1900@500	II	1040	450-1730	420	1200	70	230	465	125	400
BC-2.7TD-S1910-01	2700@500	II/III	1015	560-1910	460	1000	75	250	555	140	315
BC-2.7TD-S1910-02	2700@500	II/III	1015	560-1910	460	1200	75	250	625	140	395
BC-2.7TD-S1910-03	2700@500	II/III	1015	560-1910	460	1350	75	250	680	150	420
BC-2.7TD-S1910-04	2700@500	II/III	1015	560-1910	460	900	75	250	535	140	305
BC-2.7TD-S2300-01	2200@500	III	1600	490-2300	460	1000	75	250	710	150	240
BC-2.7TD-S2300-02	2200@500	III	1600	490-2300	460	1200	75	250	730	150	240
BC-3.2TD-S2100-01	3200@600	III/ IV	1250	570-2100	460	1220	80	350	940	175	370
BC-3.2TD-S2100-02	3200@600	III/ IV	1250	570-2100	460	1350	80	350	990	175	420
BC-3.2TD-S2100-03	3200@600	III/ IV	1250	570-2100	460	1500	80	350	1050	175	470

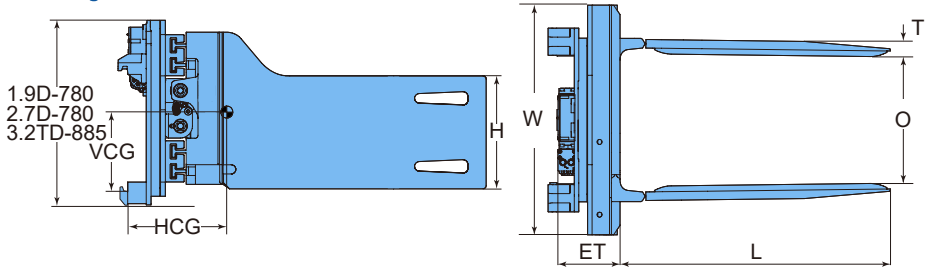
Note: \* Two additional hydraulic functions needed.

\*Opening range means distance between arms' sharp points.

\*Arm opening range, clamp height and length can be customized according to different operating condition.



## Revolving



Catalog Order No.	Capacity@ Load Center (kg@mm)	Mounting Class	Frame Width	Opening Range	Arm Height	Arm Length	Arm Thickness	Vertical Center of Gravity	Weight	Effective Thickness	Horizontal Center of Gravity
			W (mm)	O (mm)	H (mm)	L (mm)	T (mm)	VCG (mm)	(kg)	ET (mm)	HCG (mm)
BC-1.9TD-R1730-01	1900@500	II	1016	450-1730	420	1000	70	330	640	220	300
BC-1.9TD-R1730-01	1900@500	II	1016	450-1730	420	1200	70	330	680	220	365
BC-2.7TD-R1910-01	2700@500	III	1016	560-1910	460	1000	75	325	785	275	365
BC-2.7TD-R1910-02	2700@500	III	1016	560-1910	460	1200	75	325	855	275	430
BC-3.2TD-R2100-01	3200@600	IV	1250	570-2100	460	1220	80	315	1260	330	415
BC-3.2TD-R2100-02	3200@600	IV	1250	570-2100	460	1350	80	315	1310	330	460
BC-3.2TD-R2100-03	3200@600	IV	1250	570-2100	460	1500	80	315	1365	330	505

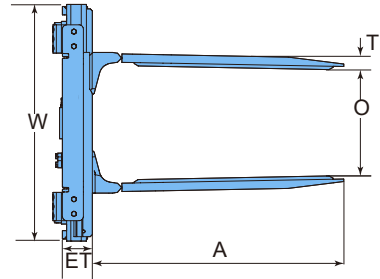
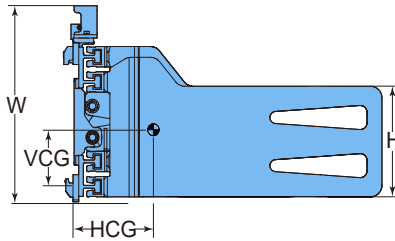
Note: \* Two additional hydraulic functions needed.

\*Opening range means distance between arms' sharp points.

\*Arm opening range, clamp height and length can be customized according to different operating condition.



Sideshifting



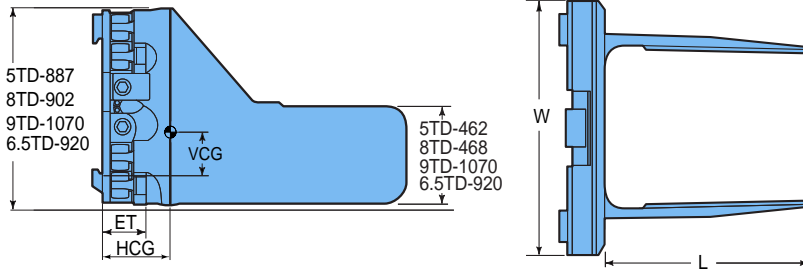
Catalog Order No.	Capacity@ Load Center	Mounting Class	Frame Width	Opening Range	Arm Height	Arm Length	Arm Thickness	Vertical Center of Gravity	Weight	Effective Thickness	Horizontal Center of Gravity
	(kg@mm)		W (mm)	O (mm)	H (mm)	L (mm)	T (mm)	VCG (mm)	(kg)	ET (mm)	HCG (mm)
BC-3TG-S1910-01	3000@500	II/III	1040	560-1910	460	1000	75	240	570	125	310
BC-3TG-S1910-02	3000@500	II/III	1040	560-1910	460	1200	75	240	650	125	390
BC-3TG-S1910-03	3000@500	II/III	1040	560-1910	460	1350	75	240	700	125	410
BC-3TG-S1910-04	3000@500	II/III	1040	560-1910	460	900	75	240	550	125	300
BC-3TG-S2300-01	2500@500	III	1400	490-2300	460	1000	75	240	730	125	220
BC-3TG-S2300-02	2500@500	III	1400	490-2300	460	1200	75	240	750	125	220
BC-3.5TG-S2100-01	3500@600	III/IV	1250	570-2100	460	1220	80	340	960	160	350
BC-3.5TG-S2100-02	3500@600	III/IV	1250	570-2100	460	1350	80	340	1000	160	400
BC-3.5TG-S2100-03	3500@600	III/IV	1250	570-2100	460	1500	80	340	1060	160	450

Note: \* Two additional hydraulic functions needed.

\*Opening range means distance between arms' sharp points.

\*Arm opening range, clamp height and length can be customized according to different operating condition.





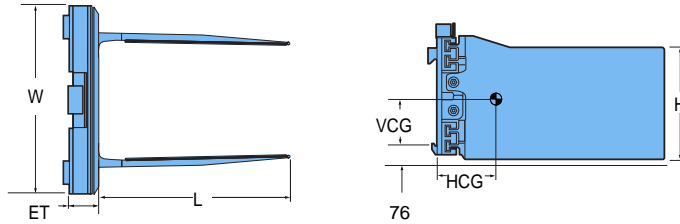
Catalog Order No.	Capacity@ Load Center (kg@mm)	Mounting Class	Frame Width	Opening Range	Arm Length	Arm Thickness	Vertical Center of Gravity	Weight	Effective Thickness	Horizontal Center of Gravity
			W (mm)	O (mm)	L (mm)	T (mm)	VCG (mm)	(kg)	ET (mm)	HCG (mm)
<b>PBC-4TD-S2115</b>	4000@600	IV	1375	490-2120	1200	90	300	1000	175	390
<b>PBC-4TD-S2100</b>	4000@600	IV	1375	480-2100	1400	90	300	1060	180	395
<b>PBC-4TD-S2560</b>	4000@600	IV	1690	550-2560	1200	90	300	1120	180	405
<b>PBC-4TD-S2550</b>	4000@600	IV	1690	540-2550	1400	90	300	1180	180	410
<b>PBC-5TD-S2370</b>	5000@800	IV	1550	600-2370	1200	100	320	1290	190	285
<b>PBC-5TD-S2650</b>	5000@800	IV	1800	580-2650	1600	100	320	1535	190	375
<b>PBC-5TD-S2100</b>	5000@800	IV	1550	500-2100	1350	100	320	1380	190	350
<b>PBC-5TD-S2620</b>	5000@800	IV	1800	530-2620	1700	100	320	1640	190	400
<b>PBC-6.5TD-S3100</b>	6500@800	-	2100	700-3100	1600	140	320	1760	225	380
<b>PBC-8TD-S3600</b>	8000@800	-	2700	700-3600	1600	160	350	2460	245	310
<b>PBC-8TD-S4200</b>	8000@800	-	3200	1200-4200	1600	160	350	2565	245	300
<b>PBC-10TD-S4000</b>	10000@800	-	3200	680-4000	1600	180	370	3685	385	355

Note: \* Two additional hydraulic functions needed

\*Opening range means distance between arms' sharp points.

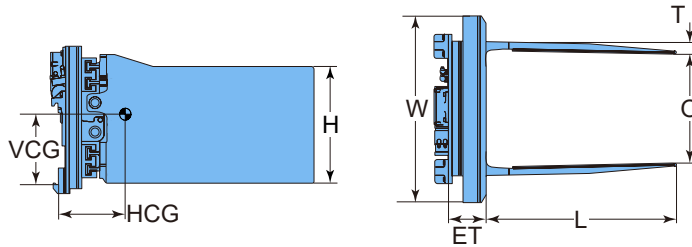
\*Arm opening range, clamp height and length can be customized according to different operating condition.

Sideshifting



Catalog Order No.	Capacity@ (kg@mm)	Mounting Class	Frame Width	Opening RangeB	Pad Height	Arm Length	Arm Thickness	Vertical Center of Gravity	Weight	Effective Thickness	Center of Horizontal Gravity
			W (mm)	O (mm)	H (mm)	L (mm)	T (mm)	VCG (mm)	ET (mm)	HCG (mm)	
MC-1TD-S1700	800@500	II	940	440-1700	350	900	60	250	250	100	135
MC-1.5TD-S1600	1400@500	II	940	440-1600	460	1000	70	220	470	120	355
MC-1.5TD-S1760	1400@500	II	940	500-1760	460	1300	70	220	480	120	410
MC-2TD-S1820	1900@500	II	940	570-1820	460	1000	70	220	480	120	350
MC-2TD-S1760	1900@500	II	940	520-1760	460	1300	70	220	500	120	410
MC-2TD-S1750	1900@500	II	940	510-1750	1010	1050	70	220	480	120	355
MC-2.7TD-S1950	2700@500	III	1040	600-1950	460	1000	70	260	550	150	270
MC-2.7TD-S1940	2700@500	III	1040	590-1940	460	1200	70	260	590	150	355

Revolving



Catalog Order No.	Capacity@ (kg@mm)	Mounting Class	Frame Width	Opening RangeB	Pad Height	Arm Length	Arm Thickness	Vertical Center of Gravity	Weight	Effective Thickness	Center of Horizontal Gravity
			W (mm)	O (mm)	H (mm)	L (mm)	T (mm)	VCG (mm)	ET (mm)	HCG (mm)	
MC-2TD-R1750	1900@500	II	940	520-1750	600	1050	70	330	650	230	350
MC-2TD-R1800	1900@500	II	940	550-1800	460	1000	70	330	620	230	290

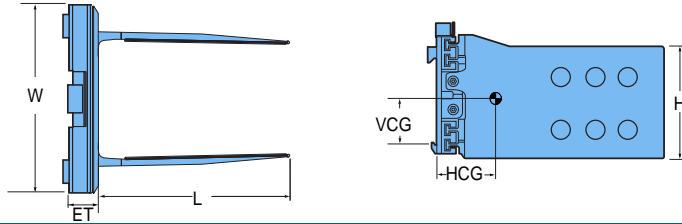
Note: \* Two additional hydraulic functions needed.

\*Opening range means distance between arms' sharp points.

\*Arm opening range, clamp height and length can be customized according to different operating condition.

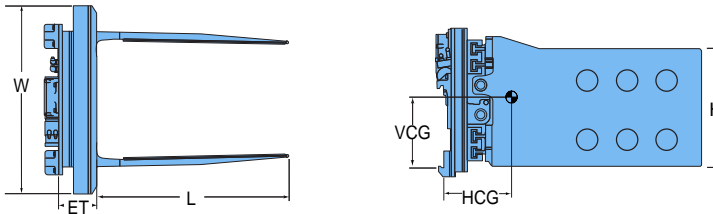


### Sideshifting



Catalog Order No.	Capacity@ (kg@mm)	Mounting Class	Frame Width W (mm)	Opening RangeB O (mm)	Pad Height H (mm)	Arm Length L (mm)	Arm Thickness (mm)	Vertical Center of Gravity VCG (mm)	Weight (kg)	Effective Thickness ET (mm)	Center of Horizontal Gravity HCG (mm)
TCC-1TD-S1590	800@500	II	940	540-1590	350	800	35	230	220	100	140
TCC-1TD-S1580	800@500	II	940	530-1580	500	900	35	230	280	100	150
TCC-1.5TD-S1600-01	1400@500	II	940	460-1600	580	900	35	230	400	120	300
TCC-1.5TD-S1600-02	1400@500	II	940	460-1600	580	1100	35	230	420	120	380
TCC-2TD-S1760-01	1900@500	II	940	480-1760	580	1100	40	250	450	120	380
TCC-2TD-S1760-02	1900@500	II	940	480-1760	580	1300	40	250	480	120	400

### Revolving



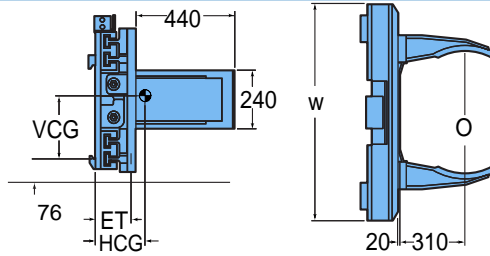
Catalog Order No.	Capacity@ (kg@mm)	Mounting Class	Frame Width W (mm)	Opening RangeB O (mm)	Pad Height H (mm)	Arm Length L (mm)	Arm Thickness (mm)	Vertical Center of Gravity VCG (mm)	Weight (kg)	Effective Thickness ET (mm)	Center of Horizontal Gravity HCG (mm)
TCC-1TD-R1720	800@500	II	940	520-1720	350	800	35	300	400	220	250
TCC-1.5TD-R1600	1400@500	II	940	460-1600	580	900	35	300	550	275	250
TCC-2TD-R1760	1900@500	II	940	480-1760	580	1100	40	300	640	275	250

Note: \* Two additional hydraulic functions needed.

\*Opening range means distance between arms' sharp points.

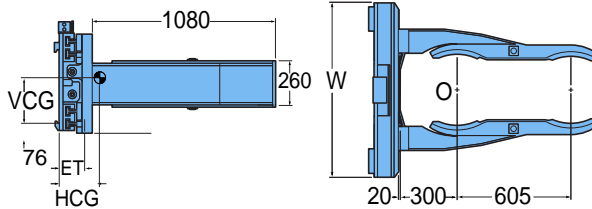
\*Arm opening range, clamp height and length can be customized according to different operating condition.

2 Drum



Catalog Order No.	Capacity@ Load Center (kg@mm)	Mounting Class	Frame Width W (mm)	Mounting Angle	Opening Range O (mm)	Hook Spread (mm)	Vertical Center of Gravity VCG (mm)	Weight (kg)	Effective Thickness ET (mm)	Horizontal Center of Gravity HCG (mm)
<b>2 drums side shifting</b>										
DC-1.5TD-S1545	1400@500	II	940	0°	395-1545	890	200	285	145	100
DC-1.5TD-S1600	1400@500	II	940	0°	485-1600	760	200	270	140	105
DC-2TD-S1750	1900@500	II	940	0°	520-1750	760	210	295	145	100
<b>2 drums rotating</b>										
DC-2TD-R1750-01	1900@500	II	940	0°	520-1750	810	400	520	240	140
DC-2TD-R1750-02	1900@500	II	940	4°	520-1750	810	400	520	215	110

4 Drum



Catalog Order No.	Capacity@ Load Center (kg@mm)	Mounting Class	Frame Width W (mm)	Mounting Angle	Opening Range O (mm)	Hook Spread (mm)	Vertical Center of Gravity VCG (mm)	Weight (kg)	Effective Thickness ET (mm)	Horizontal Center of Gravity HCG (mm)
<b>4 drums side shifting</b>										
DCD-1.5TD-S1480	1400@500	II	940	0°	335-1480	890	220	385	145	290
DCD-1.5TD-S1550	1400@500	II	940	0°	420-1550	760	220	370	140	310
DCD-2TD-S1690	1900@500	II	940	0°	460-1690	890	220	395	145	295
<b>4 drums rotating</b>										
DCD-2TD-R1690	1900@500	II	940	0°	460-1690	810	330	610	240	275
DCD-2TD-R1690	1900@500	II	940	4°	460-1690	810	330	610	210	250

Note: \*Two additional hydraulic functions needed from the forklift truck.

\*Opening range refers to inside curvature of drum pad.

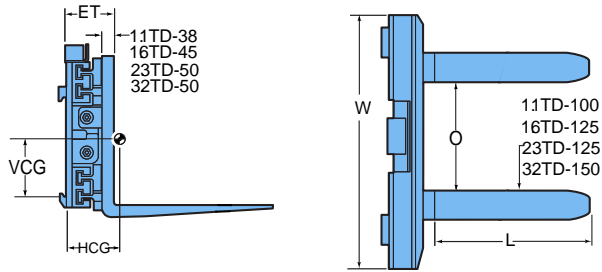
\*2 drum clamp can handle 1 or 2 drums.

\*4 drum clamp can handle 1 or 2 or 4 drums.

\*Proper for 55 gallons loading.(American system, 205Litre)

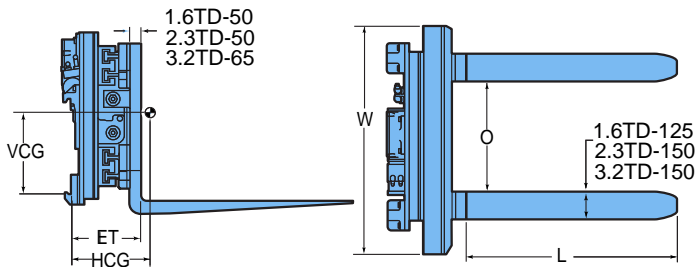


### Sideshifting



Catalog Order No.	Capacity@ Load Center (kg@mm)	Mounting Class	Frame Width W (mm)	Opening Range O (mm)	Fork Length L (mm)	Vertical Center of Gravity (mm)	Weight (kg)	Effective Thickness	Horizontal Center of Gravity
								ET (mm)	HCG (mm)
FC-1.1TD-S1550	1100@600	II	870	430-1550	1200	170	260	175	225
FC-1.6TD-S1650-01	1600@600	II	940	400-1650	900	175	290	180	165
FC-1.6TD-S1650-02	1600@600	II	940	400-1650	1050	175	300	180	195
FC-2.3TD-S1810-01	2300@600	III	1016	460-1810	900	200	420	215	165
FC-2.3TD-S1810-02	2300@600	III	1016	460-1810	1050	200	435	215	200
FC-2.3TD-S1810-03	2300@600	III	1016	460-1810	1200	200	450	215	220
FC-3.2TD-S1950-01	3200@600	IV	1220	420-1950	1050	350	680	240	210
FC-3.2TD-S1950-02	3200@600	IV	1220	420-1950	1200	350	700	240	230
FC-3.2TD-S1950-03	3200@600	IV	1220	420-1950	1350	350	720	240	255
FC-3.2TD-S1950-04	3200@600	IV	1220	420-1950	1500	300	750	240	280

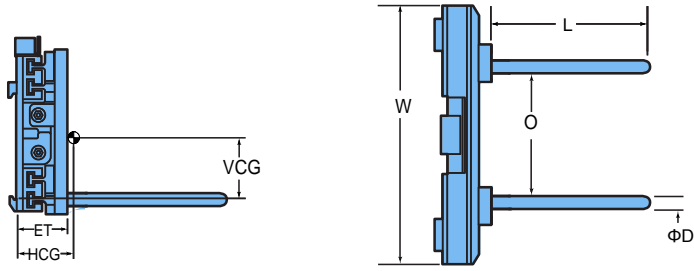
### Revolving



Catalog Order No.	Capacity@ Load Center (kg@mm)	Mounting Class	Frame Width W (mm)	Opening Range O (mm)	Fork Length L (mm)	Vertical Center of Gravity (mm)	Weight (kg)	Effective Thickness	Horizontal Center of Gravity
								ET (mm)	HCG (mm)
FC-1.6TD-R1660	1600@600	II	940	410-1660	1050	270	570	280	210
FC-2.3TD-R1780	2300@600	III	1016	440-1780	1050	270	680	340	260
FC-3.2TD-R1950	3200@600	IV	1220	420-1950	1050	260	1050	400	280

Note: \*Two additional hydraulic functions needed from the forklift truck.  
 \*Opening range refers to inside edge of forks.  
 \*Specific arms can be installed in clamps as per consumer request.  
 \*Customization is available for a specific operating condition.





Catalog Order No.	Capacity@ Load Center	Mounting Class	Frame Width	Opening Range	Bar Arm Diameter	Bar Arm Length	Vertical Center of Gravity	Weight	Effective Thickness	Horizontal Center of Gravity
	(kg@mm)		W (mm)	O (mm)	D (mm)	L (mm)	VCG (mm)	(kg)	ET (mm)	HCG (mm)
<b>BAC-1.6TD-S1400</b>	1600@600	II	1040	170-1400	70	1700	220	420	170	380
<b>BAC-2.3TD-S1830</b>	2300@600	III	1040	480-1830	80	1200	210	450	210	250
<b>BAC-2.3TD-S1550</b>	2300@600	III	1040	250-1550	80	1500	210	470	210	250
<b>BAC-3TD-S1800</b>	3000@600	III	1400	400-1800	95	2100	260	800	230	320

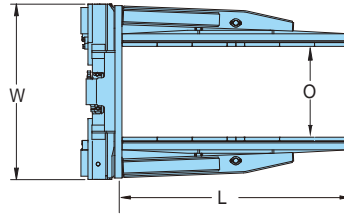
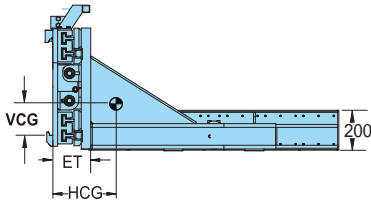
Note: \*Two additional hydraulic functions needed from the forklift truck.  
 \*Opening range refers to inside face of bars.  
 \*Customization is available for a specific operating condition.

**Function & Application**

Bar arm clamp can be safely and efficiently handled in a variety of horizontal cylindrical products, such as: paper roll, carpet roll, stone or coil etc. goods. It is applicable to paper making, chemical fiber, workshop, port and other industries no-pallet handling and stacking operations.



## Block Clamp



Catalog Order.No	Capacity@	Mounting Class	Frame	Opening	Arm	Arm	Arm	Vertical	Weight	Effective	Horizontal
	Load Center		Width	Range	Length	Height	Thickness	Center of Gravity	(kg)	Thickness	Center of Gravity
	(kg@mm)		W (mm)	O (mm)	L (mm)	(mm)	(mm)	VCG (mm)		ET (mm)	HCG (mm)
BKC-2.5TD-S1860-01	2500@550	II	1040	530-1860	1100	200	230	180	580	185	280
BKC-2.5TD-S1860-02	2500@550	III	1040	530-1860	1100	200	230	180	600	190	275
BKC-2.5TD-S1860-03	2500@600	II	1040	530-1860	1200	200	230	180	600	185	310
BKC-2.5TD-S1860-04	2500@600	III	1040	530-1860	1200	200	230	175	625	190	305
BKC-2.5TD-S1860-05	2300@650	II	1040	530-1860	1300	200	235	175	630	185	340
BKC-2.5TD-S1860-06	2300@650	III	1040	530-1860	1300	200	235	175	650	190	335
BKC-2.5TD-S1840-01	1900@700	II	1040	500-1840	1400	200	260	160	710	185	410
BKC-2.5TD-S1840-02	1900@700	III	1040	500-1840	1400	200	260	160	730	190	400
BKC-2.5TD-S1840-03	1600@780	III	1040	500-1840	1550	200	260	160	760	190	440

Note: \*Two additional hydraulic functions needed from the forklift truck.

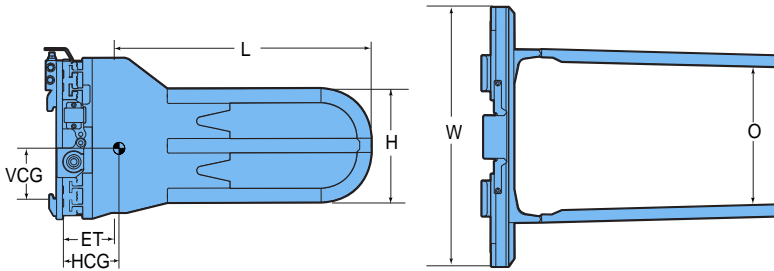
\*Cargo in unit should be steady and firm. We suggest cargo that is in irregular shape should be packed into a unit.

\*Load Backrest is compulsory when blocks are stacked to a certain risky height.

### Function & Application

Block clamp is used for a variety of stone and bricks handling without pallets. It is widely used in construction material, metallurgy and other industries, especially for cement concrete prefabricated parts handling.





Catalog Order.No	Capacity@ Load Center (kg@mm)	Mounting Class	Frame Width	Opening Range	Arm Length	Arm Height	Vertical Center of Gravity	Weight	Effective Thickness	Horizontal Center of Gravity
			W (mm)	O (mm)	L (mm)	H (mm)	VCG (mm)	(kg)	ET (mm)	HCG (mm)
<b>FRC-1TD-S2600</b>	500@500	II	1400	1260-2600	980	410	250	465	125	310
<b>FRC-1TD-S2200</b>	600@500	II	1040	850-2200	980	410	250	430	125	280
<b>FRC-1TD-S2300</b>	500@1000	II	1040	940-2300	1800	400	250	475	165	280
<b>FRC-1TD-S3200</b>	200@1000	II	1900	1790-3200	1800	400	250	570	180	390
<b>FRC-1TD-S2400</b>	500@1000	II	1040	1040-2400	1800	400	300	490	165	280
<b>FRC-1TD-S2300</b>	1000@500	II	1040	940-2300	1500	600	300	475	165	280
<b>FRC-2TD-S2600</b>	1800@500	III	1600	790-2600	2600	600	300	920	150	650

Note: \*Two additional hydraulic functions needed.

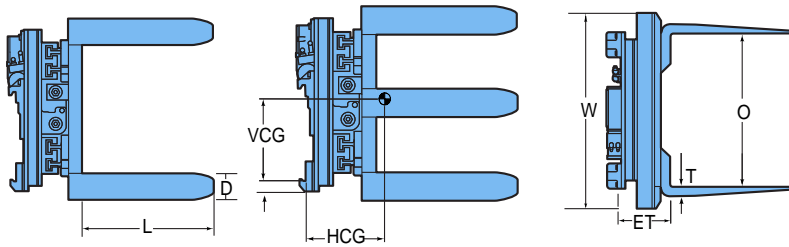
\*Opening range means distance between arms' sharp points.

\*Arm opening range, clamp height and length can be customized according to different operating condition.

### Function & Application

Foam Rubber clamp can be used for various sponge-like objects, such as sponge, rubber, foam or soft bags and other goods. It is suitable for handling rubber, chemical industries goods without pallets and stacking.





Catalog Order No.	Capacity@ Load Center	Mounting Class	Frame Width	Opening Range	Fork Size	Vertical Center of Gravity	Weight	Effective Thickness	Horizontal Center of Gravity
	(k9@mm)		W (mm)	O (mm)	LxDxT (mm)	VCG (mm)	(kg)	ET (mm)	HCG (mm)
<b>TOC-1.6TD-R2000</b>	1600@600	II	1016	690-2000	1200x125x45	330	780	290	310
<b>TOC-1.6TD-R1900</b>	1600@600	II	1016	660-1900	1200x125x45	270	690	290	310
<b>TOC-2.3TD-R2000</b>	2300@600	II	1016	690-2000	1200x125x50	270	780	305	300
<b>TOC-2.3TD-R2100</b>	2300@600	III	1016	770-2100	1200x125x50	270	790	345	300
<b>TOC-3.2TD-R2300</b>	3200@600	III	1220	780-2300	1200x150x50	370	1110	320	350

Note: \*Two additional hydraulic functions needed from forklift truck.

\*Opening range refers to distance between contact pads' face.

\*Side stabilizer will be required when rotating bagged products or other surface smooth cargo.

\*Various clamp arms' structures are optional.

\*Customization is available for a specific operating condition.

### Function & Application

Turnover Clamp can rotate package 360 degree and move cargo from expensive pallet to a cheap one to save money. It is suitable for tobacco, paper making, chemical fiber, workshop and harbor field highly efficient operating and stacking.



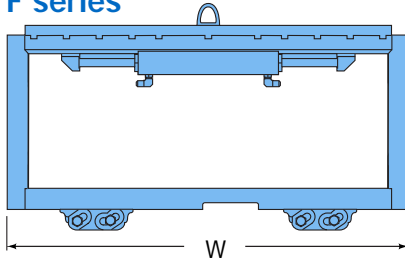
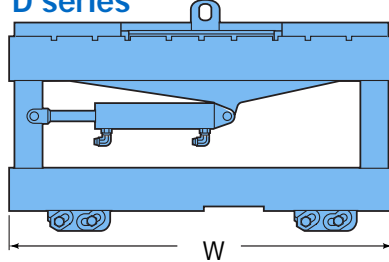


### Function & Application

Sideshifter is the most common attachments used on a forklift truck, allowing carriage moving 100mm or 150mm in horizontal direction. Sideshifter improves the flexibility and efficiency of forklift truck when it forks and stacks goods.



### 35 F,D series Sideshifter


**F series**

**D series**


Catalog Order No.	Capacity@ Load Center	Mounting Class	Sideshift	Carriage Width	Minimum Truck Carriage Width	Vertical Center of Gravity	Weight	Effective Thickness	Horizontal Center of Gravity
	(kg@mm)		(mm)	W (mm)	(mm)	VCG (mm)	(kg)	ET (mm)	HCG (mm)
<b>F series</b>									
<b>SS-2.5TF- 970</b>	2500/600	II	±100	970	895	233	50	60	25
<b>SS-2.5TF-1020</b>	2500/600	II	±100	1020	895	233	50	60	25
<b>SS-2.5TF-1040</b>	2500/600	II	±100	1040	895	233	50	60	25
<b>SS-3TF-1040</b>	3000/600	III	±100	1040	935	298	70	65	25
<b>SS-3TF-1100</b>	3000/600	III	±100	1100	935	300	70	65	25
<b>D series</b>									
<b>SS-4.5TD-1350</b>	4500/500	III	±150	1350	1165	393	200	65	30
<b>SS-4.5TD-1500</b>	4500/500	III	±150	1500	1220	393	210	65	30
<b>SS-5.5TD-1550</b>	5500/600	IV	±150	1550	1220	440	200	80	40
<b>SS-5.5TD-1830</b>	5500/600	IV	±150	1830	1520	440	245	80	40
<b>SS-7TD-1830</b>	7000/600	IV	±150	1830	1520	440	300	85	45

Note: \*One additional hydraulic functions needed from forklift truck.

\*Shifting distance is customized according to customers' requirement.

Heavy duty loading and different width is customized as per customers' demand.

\*Please consult with Riggerte Sales before purchasing.



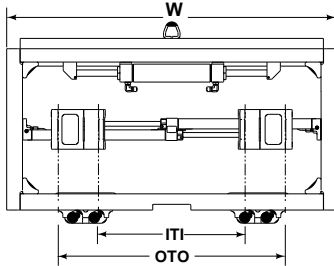
### Function & Application

Fork positioner adjust the fork distance by a hydraulic system which is more efficient and saving much time than labors. This positioner is particularly for those areas that have many different pallets and helps to reduce the damage of cargo and pallets.

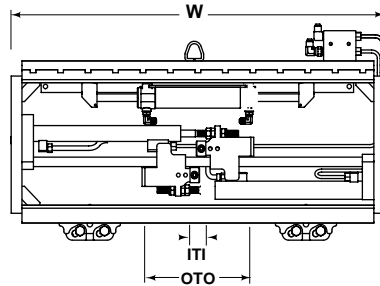


**37 K,G series Fork positioner**  
**38 H series Fork positioner**

## K series



## G series



Catalog Order No.	Capacity@ Load Center (kg@mm)	Mounting Class	Opening Range ITI/OTO (mm)	Carriage Width W (mm)	Minimum Truck Carriage Width (mm)	Vertical Center of Gravity VCG (mm)	Weight (kg)	Effective Thickness ET (mm)	Horizontal Center of Gravity HCG (mm)
<b>K series</b>									
<b>FP-2.5TK-S1000</b>	2500@600	II	50-876	1000	895	225	65	60	30
<b>FP-2.5TK-S1040</b>	2500@600	II	50-910	1040	895	225	68	60	30
<b>FP-3TK-S1070</b>	3000@600	III	50-946	1070	935	250	83	65	30
<b>FP-3TK-S1100</b>	3000@600	III	50-976	1100	935	250	88	65	30
<b>G series</b>									
<b>FP-2.5TG-S1020</b>	2500@600	II	295-895	1020	895	225	75	61	25
<b>FP-2.5TG-S1040</b>	2500@600	II	295-913	1040	895	225	78	61	25
<b>FP-3TG-S1100</b>	3000@600	III	295-1015	1100	935	293	93	66	30

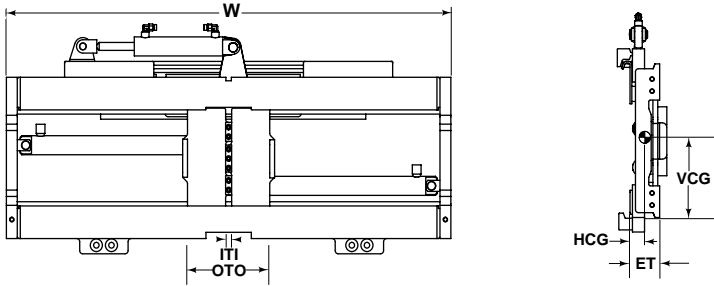
Note: \*Two additional hydraulic functions needed from the forklift truck.

\*Can not clamp cargo.





## Hseries



Catalog Order No.	Capacity@ Load Center (kg@mm)	Mounting Class	Opening Range ITO/OTO (mm)	Carriage Width W (mm)	Minimum Truck Carriage Width (mm)	Vertical Center of Gravity VCG (mm)	Weight (kg)	Effective Thickness ET (mm)	Horizontal Center of Gravity HCG (mm)
<b>H series</b>									
FP-4.5TH-S1250	4500@600	III	350-1160	1250	1040	300	215	90	45
FP-4.5TH-S1550	4500@600	III	350-1460	1550	1250	300	259	90	45
FP-4.6TH-S1200	4600@600	III	325-1090	1200	1000	303	205	90	45
FP-4.6TH-S1500	4600@600	III	350-1400	1500	1215	303	252	90	45
FP-5.5TH-S1550	5500@600	IV	300-1460	1550	1250	430	280	107	57
FP-5.5TH-S1830	5500@600	IV	300-1740	1830	1550	430	330	107	57
FP-7TH-S2180	7000@600	IV	384-2074	2180	1830	450	490	138	59
FP-8TH-S2400	8000@600	IV	322-2272	2400	2150	450	520	138	59



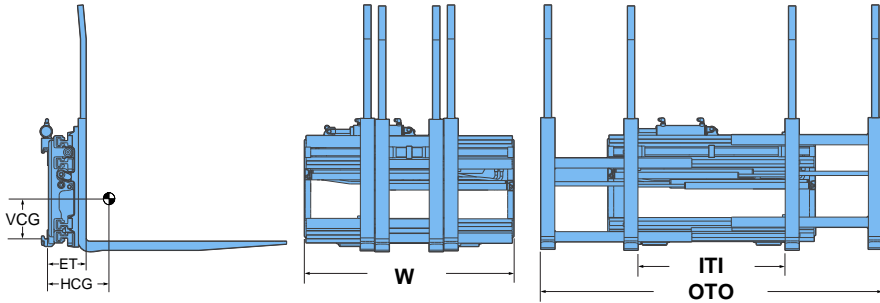


**Function & Applications**

Multiple Load handler can easily handle one or multiple pallet once. It's widely used for handling food, beverage, import and export business and canned products' industry, specially for moving and stacking cargo in container.



**40 Single Double Pallet Handler**  
**41 Pallet and Pallet handler size**



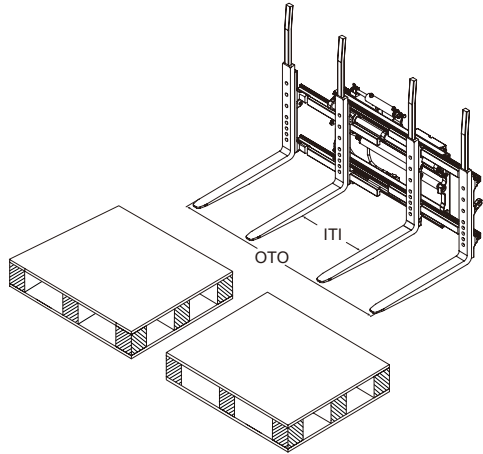
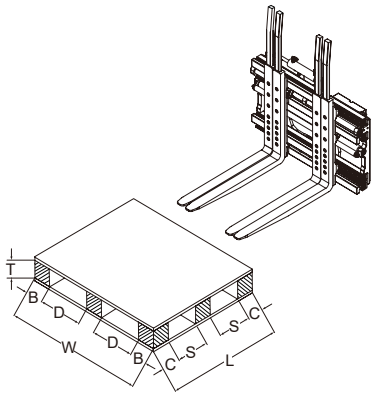
Catalog Order No.	Capacity@ Load Center (kg@mm)	Mounting Class	Frame Width	Opening Range	Opening Range	Fork Size (mm)	Vertical Center of Gravity (mm)	Weight (kg)	Effective Thickness	Horizontal Center of Gravity
			W (mm)	ITI (mm)	OTO (mm)				ET (mm)	HCG (mm)
Beverage pallet(36"X36",914mmX914mm)										
<b>PHD-2.5TG-S2035-01</b>	2500@600	II	1100	330-815	660-2035	920X80X45	280	490	225	195
<b>PHD-2.5TG-S2035-02</b>	2500@600	III	1100	330-815	660-2035	920X80X45	280	485	220	190
<b>PHD-2.8TG-S2035</b>	2800@600	III	1100	330-815	660-2035	920X80X50	290	510	225	200
<b>PHD-3.2TG-S2035</b>	3200@600	III	1100	330-815	660-2035	920X80X50	290	550	225	215
GMA pallet(48"X40",1219mmX1016mm)										
<b>PHD-2.2TG-S2100</b>	2200@600	III	1100	370-730	700-2100	1070X80X40	280	510	215	195
<b>PHD-2.5TG-S2100</b>	2500@600	III	1100	370-730	700-2100	1070X80X45	290	525	220	205
<b>PHD-2.8TG-S2100</b>	2800@600	III	1100	370-730	700-2100	1070X80X50	280	545	225	220
<b>PHD-3.2TG-S2100</b>	3200@600	III	1100	370-730	700-2100	1070X80X50	280	565	225	240
Pallet for container(44"X59",1118mmX1422mm)										
<b>PHD-2.5TG-S2035</b>	2500@600	III	1100	330-715	660-2035	1370X80X45	250	535	220	280
<b>PHD-2.8TG-S2035</b>	2800@600	III	1100	330-715	660-2035	1370X80X50	260	565	225	300
<b>PHD-3.2TG-S2035</b>	3200@600	III	1100	330-715	660-2035	1370X80X50	250	615	225	320
International standard pallet(1200mmX1000mm)										
<b>PHD-2.5TG-S2040</b>	2500@600	III	1200	330-760	660-2040	1150X80X45	270	515	220	235
<b>PHD-2.8TG-S2040</b>	2800@600	III	1200	330-760	660-2040	1150X80X50	280	535	225	250
<b>PHD-3.2TG-S2040</b>	3200@600	III	1200	330-760	660-2040	1150X80X50	250	555	235	265

Note: \*no additional hydraulic functions needed from the forklift truck.

\*Backrest height is measured from loading surface of the forks to top of the backrest.

\*Customization is available for a specific operating condition.

## Pallet and Pallet handler size



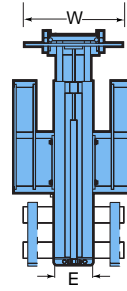
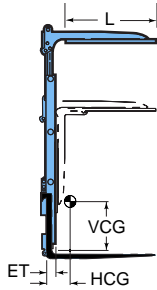
Check your pallet size: (mm)

W \_\_\_\_ L \_\_\_\_ T \_\_\_\_ D \_\_\_\_ B \_\_\_\_ S \_\_\_\_ C \_\_\_\_





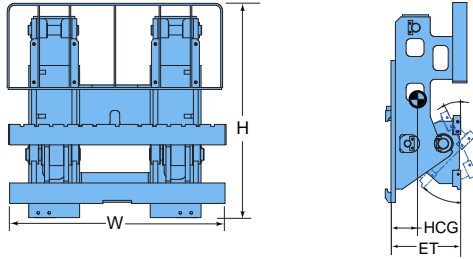
- 43 Load Stabilizer
- 44 Hinged Carriage  
Tyre Clamp
- 45 Fork clamp for Tyre Handler
- 46 Inverta Push
- 47 Log Holder  
Hinged Broke Handler
- 48 Tipping Multi-Purpose Clamp  
Carpet Carrying Ram
- 49 Weigh Fork
- 51 Tri-Lateral Head Units
- 52 Forks and Extension
- 53 Telescopic Fork



Catalog Order No.	Capacity@ Load Center	Mounting Class	Opening Range	Contact Pad Size	Vertical Center of Gravity	Weight	Effective Thickness	Horizontal Center of Gravity
	(kg@mm)		(mm)	WxL (mm)	VCG (mm)	(kg)	ET (mm)	HCG (mm)
LDS-1.6TD-B2140	1600@600	II	1140-2140	760x760	850	265	85	170
LDS-1.6TD-B2135	1600@600	II	1135-2135	900x900	860	290	85	250
LDS-1.6TD-B2190	1600@600	II	1190-2190	760x760	830	235	85	135
LDS-1.6TD-B2180	1600@600	II	1180-2180	900x900	840	250	85	170
LDS-1.6TD-B2250	1600@600	II	1250-2250	850x850	830	295	85	200
LDS-1.6TD-B2245	1600@600	II	1245-2245	1100x1100	860	315	85	260
LDS-1.6TD-B2300	1600@600	II	1300-2300	900x900	870	275	85	105
LDS-1.6TD-B2290	1600@600	II	1290-2290	1100x1100	900	305	85	190

Note: \*One additional hydraulic functions needed from the forklift truck.



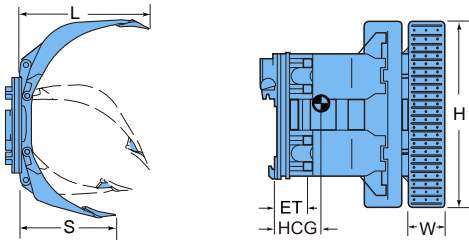


Catalog Order No.	Capacity@ Load Center (kg@mm)	Truck Mounting Class	Hinged Fork Mounting Class	Tilt Forward/ Tilt Backward	Carriage Width	Overall Height	Weight (kg)	Effective Thickness	Horizontal Center of Gravity
					W (mm)	H (mm)		ET (mm)	HCG (mm)
<b>HGC-2.5TD</b>	2500@500	II	II	45°/25°	1100	1080	285	330	130
<b>HGC-3TD</b>	3000@500	III	III	45°/25°	1100	1100	320	360	185
<b>HGC-3.5TD</b>	3500@500	III	III	45°/25°	1100	1100	360	360	185
<b>HGC-4.5TD</b>	4500@600	IV	III	45°/25°	1500	1380	700	400	195
<b>HGC-6TD</b>	6000@600	IV	IV	45°/25°	1830	1380	1000	425	195

Note: \*One additional hydraulic functions needed from the forklift truck.

\*Customization is available for a specific operating condition.

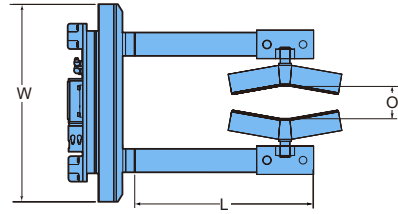
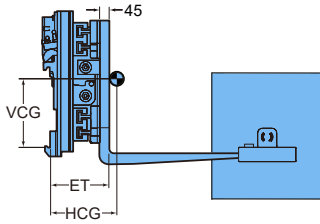
# Tyre Clamp



Catalog Order No.	Capacity (kg)	Tyre Diameter (mm)	Mounting Class	Contact Pad Size	Long Arm Length	Short Arm Length	Vertical Center of Gravity	Weight (kg)	Effective Thickness	Horizontal Center of Gravity
				WxH (mm)	L (mm)	S (mm)	VCG (mm)		ET (mm)	HCG (mm)
<b>TYC-1.2T-R1300</b>	1200	410-1300	II	230X500	800	570	330	400	135	215
<b>TYC-2T-R1600</b>	2000	630-1600	II	300X500	1050	850	350	800	180	300

Note: \*Two additional hydraulic functions needed from the forklift truck.

\*Customization is available for a specific operating condition.



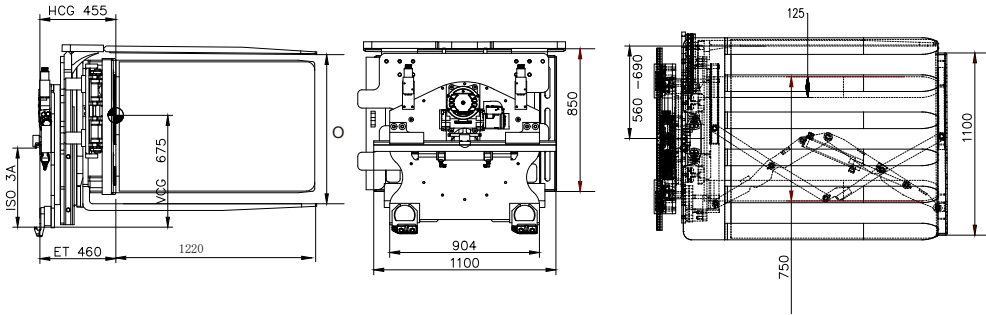
Catalog Order No.	Capacity@ Load Center (kg@mm)	Mounting Class	Frame Width W (mm)	Opening Range O (mm)	Fork Length L (mm)	Vertical Center of Gravity VCG (mm)	Weight (kg)	Effective Thickness ET (mm)	Horizontal Center of Gravity HCG (mm)
<b>FCT-2TD-R2200</b>	2000@500	III	1600	550-2200	1200	330	1000	340	400
<b>FCT-2TD-R2300</b>	2000@500	III	1600	850-2300	1200	330	1100	340	400

Note: \*Two additional hydraulic functions needed from the forklift truck.

\*Customization is available for a specific operating condition.







Catalog Order No.	Capacity@ Load Center (kg@mm)	Mounting Class	Opening Range O (mm)	Load Push Stroke (mm)	Vertical Center of Gravity VCG (mm)	Weight (kg)	Effective Thickness ET (mm)	Horizontal Center of Gravity HCG (mm)
<b>PTP-1.5TE-S1530</b>	1500@600	III	930-1530	1270	675	1380	460	455
<b>PTP-2TE-S1550</b>	2000@600	III	950-1550	1270	675	1445	460	455

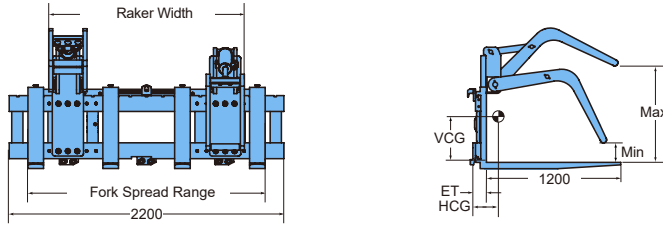
Note: \*Two additional hydraulic functions and one solenoid valve required from the FLT.  
 \*Solenoid valve voltage is DC 12V

**Function & Application**

Pallet Turnover Clamps are designed for the working condition when cargo have to be transferred from one pallet to another transport pallet or directly loaded on containers.

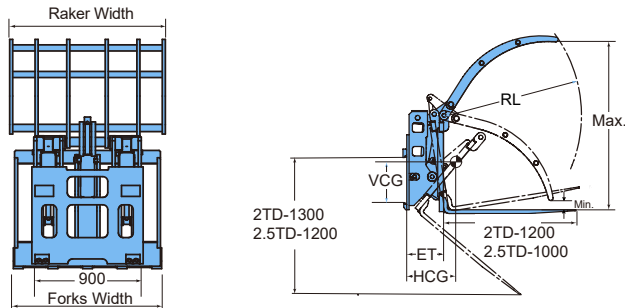
The forklift truck use fork to pick up palletized cargo, clamped and turned 180 degree. When the clamp is opened, the cargo will be placed on a carrying plate and then can be pushed off onto the transport pallet into the container or directly onto the wagon.





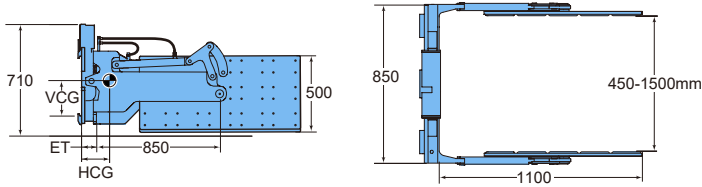
Catalog Order No.	Capacity@ Load Center (kg@mm)	Mounting Class	Fork Spread (mm)	Raker Width (mm)	Raker Opening	Weight (kg)	Effective Thickness ET (mm)	Horizontal Center of Gravity HCG (mm)
					Max./Min. (mm)			
<b>LGH-3TD-S2200</b>	2900@600	III	2200	1570	760/100	700	150	200
<b>LGH-5TD-S2200</b>	5000@600	IV	2200	1570	920/50	1050	105	530

Note: \*Two additional hydraulic functions needed from the forklift truck.  
 \*Customization is available for a specific operating condition.



Catalog Order No.	Capacity@ Load Center (kg@mm)	Mounting Class	Tilt Angle -Forks (Up/Down)	Raker Width (mm)	Raker Opening	Raker Pivot Height	Vertical Center of Gravity VCG (mm)	Weight (kg)	Effective Thickness ET (mm)	Horizontal Center of Gravity HCG (mm)
					Min-Max (mm)	RL (mm)				
<b>HBH-2TD</b>	2000@600	III	38°/8°	1260	100-1590	1300	450	950	390	465
<b>HBH-2.5TD</b>	2500@600	III	38°/8°	1260	100-1450	1150	450	940	390	460

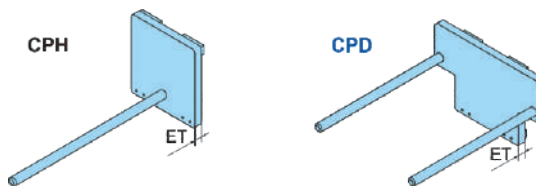
Note: \*Two additional hydraulic functions needed from the forklift truck.  
 \*Customization is available for a specific operating condition.



Catalog Order No.	Capacity@ Load Center	Mounting Class	Opening Range	Arm Length	Arm Height	Tilt Forward Angle	Vertical Center of Gravity	Weight	Effective Thickness	Horizontal Center of Gravity
	(kg@mm)		(mm)	(mm)	(mm)		VCG (mm)	(kg)	ET (mm)	HCG (mm)
<b>MCT-1TD-B1500</b>	300@500	II	450-1500	1100	500	180°	190	360	100	400

Note: \*Two additional hydraulic functions needed from the forklift truck.  
 \*Customization is available for a specific operating condition.

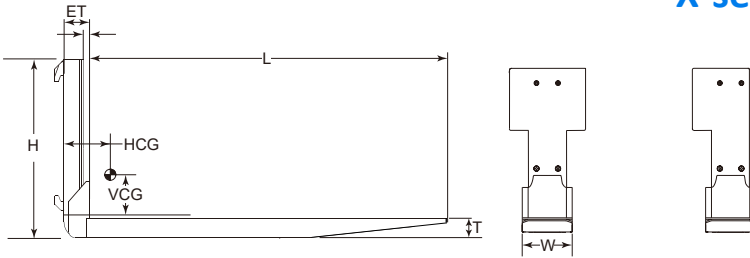
# Carpet Carrying Ram



Catalog Order No.	Capacity@ Load Center	Mounting Class	Arm Diameter	Arm Length	Vertical Center of Gravity	Weight	Effective Thickness	Horizontal Center of Gravity
	(kg@mm)		(mm)	(mm)	VCG (mm)	(kg)	ET (mm)	HCG (mm)
<b>RAM-1.2TD-B1000</b>	1200@500	II	75	1000	100	110	50	150
<b>RAM-2TD-B1600</b>	2000@500	II	85	1600	130	300	60	420
<b>RAM-5TD-B2100</b>	5000@750	III	140	2100	280	650	100	480
<b>RAM-6TD-B2200</b>	6000@600	IV	230	2200	430	650	100	550

Note: \*No additional hydraulic functions needed from the forklift truck.  
 \*Customization is available for a specific operating condition.

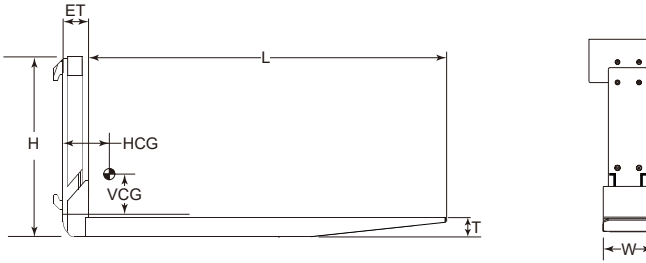
## X-series



Catalog Order No.	Capacity@ Load Center	Mounting Class	Fork Length	Fork Thickness	Fork Width	Overall Height	Vertical Center of Gravity	Horizontal Center of Gravity	Effective Thickness	Weight (kg)
			L (mm)	T (mm)	W (mm)	H (mm)	VCG (mm)	HCG (mm)	ET (mm)	
WF18X01B-39	1600@500	II	1000	51	140	548	207	59	75	112
WF18X01B-42	1600@500	II	1070	51	140	548	255	49	75	122
WF18X01B-47	1600@500	II	1200	51	140	548	287	45	75	127
WF18X01B-48	1600@500	II	1220	51	140	548	293	45	75	129
WF20X01B-39	2000@500	II	1000	51	160	548	205	59	75	130
WF20X01B-42	2000@500	II	1070	51	160	548	259	48	75	143
WF20X01B-47	2000@500	II	1200	51	160	548	285	45	75	148
WF20X01B-48	2000@500	II	1220	51	160	548	286	44	75	149
WF25X01B-47	2500@500	II	1200	51	200	548	321	33	75	182
WF25X01B-48	2500@600	II	1220	51	200	840	322	32	75	186

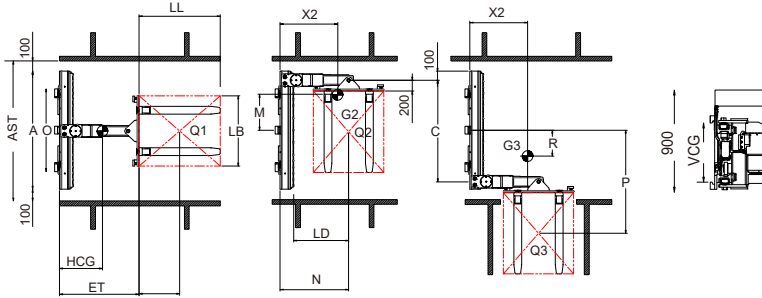


## G-series



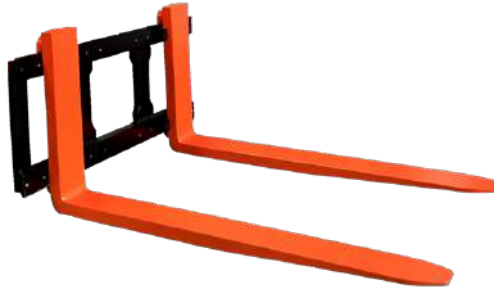
Catalog Order No.	Capacity@ Load Center	Mounting Class	Fork Length	Fork Thickness	Fork Width	Overall Height	Vertical Center of Gravity	Horizontal Center of Gravity	Effective Thickness	Weight
			L (mm)	T (mm)	W (mm)	H (mm)	VCG (mm)	HCG (mm)	ET (mm)	
WF25G01B-42	2500@500	II	1070	62	135	540	295	54	78	139
WF25G01B-47	2500@500	II	1200	62	135	540	330	51	78	143
WF25G01B-51	2500@600	II	1300	62	135	540	342	49	78	146
WF30G01B-42	3000@500	III	1070	62	155	650	356	65	78	183
WF30G01B-47	3000@500	III	1200	62	155	650	368	62	78	186
WF30G01B-51	3000@500	III	1300	62	155	650	375	59	78	192
WF50G01C-48	5000@500	III	1220	78	200	650	376	121	100	286
WF50G01C-51	5000@500	III	1300	78	200	650	392	118	100	292
WF50G01D-48	5000@600	IV	1220	78	200	840	313	91	100	312
WF50G01D-51	5000@600	IV	1300	78	200	840	363	78	100	338
WF60G01D-48	6000@600	IV	1220	82	200	840	202	87	105	332
WF60G01D-51	6000@600	IV	1300	82	200	840	255	76	105	358





Catalog Order No.	Loading Capacity	Mounting Class	Pallet Dimensions		Frame Width	G2/Q2	G3/Q3	Stroke	Frame to LC (Q2)	Min. Truck Carriage Width	Vertical Center of Gravity	Weight (kg)	Effective Thickness (mm)	Horizontal Center of Gravity (mm)
			LL/LB (mm)	A/AST (mm)										
AST08B1010	800@1379mm	II	1000/1000	1300/1500	291/741/335	1250/360	1100	549	1100	342	545	942	346	
AST08B1210	800@1479mm	II	1200/1000	1500/1700	341/741/331	1450/400	1300	549	1100	342	565	942	340	
AST08B1012	800@1379mm	II	1000/1200	1300/1500	296/841/356	1250/366	1100	650	1100	342	553	1041	376	
AST08B1212	800@1479mm	II	1200/1200	1500/1700	346/840/352	1450/406	1300	650	1100	342	575	1041	370	
AST12B1010	1200@1379mm	II	1000/1000	1300/1500	291/741/335	1250/360	1100	549	1100	342	565	942	340	
AST12B1210	1200@1479mm	II	1200/1000	1500/1700	341/741/331	1450/400	1300	549	1100	342	585	942	336	
AST12B1012	1200@1379mm	II	1000/1200	1300/1500	296/841/356	1250/366	1100	650	1100	342	570	1041	370	
AST12B1212	1200@1479mm	II	1200/1200	1500/1700	346/840/352	1450/406	1300	650	1100	342	586	1041	366	
AST12B1010	1200@1379mm	III	1000/1000	1300/1500	291/741/335	1250/360	1100	549	1100	342	565	942	340	
AST12B1210	1200@1479mm	III	1200/1000	1500/1700	341/741/331	1450/400	1300	549	1100	342	585	942	336	
AST12B1012	1200@1379mm	III	1000/1200	1300/1500	296/841/356	1250/366	1100	650	1100	342	570	1041	370	
AST12B1212	1200@1479mm	III	1200/1200	1500/1700	346/840/352	1450/406	1300	650	1100	342	590	1041	366	
AST16B1010	1600@1379mm	III	1000/1000	1300/1500	306/744/346	1250/366	1100	549	1100	342	640	944	415	
AST16B1210	1600@1479mm	III	1200/1000	1500/1700	360/746/340	1450/406	1300	549	1100	342	660	944	411	
AST16B1012	1600@1379mm	III	1000/1200	1300/1500	310/846/366	1250/370	1100	650	1100	342	650	1046	435	
AST16B1212	1600@1479mm	III	1200/1200	1500/1700	380/846/360	1450/410	1300	650	1100	342	670	1046	430	





Capacity	Mounting Class	Fork Size	Fork Length	Weight
(kg@600mm)		WxT (mm)	(mm)	(kg)
2500	II	100x40	1070	50
2500	II	100x40	1220	55
2500	II	100x40	1370	60
2500	II	100x40	1520	70
2500	II	100x40	1830	80
3000	III	122x45	1070	60
3000	III	122x45	1220	65
3000	III	122x45	1370	70
3000	III	122x45	1520	80
3000	III	122x45	1830	95
4500	III	150x50	1070	85
4500	III	150x50	1220	95
4500	III	150x50	1370	105
4500	III	150x50	1520	115
4500	III	150x50	1830	130

Note: \*Standard taper forks supplied with no bevel on tips.

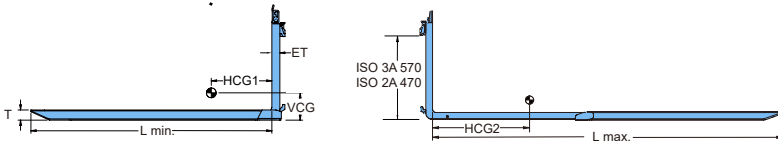
\*Lock pin assembly included on all ITA Hook Forks.

\*Full bottom & full top tapered & polished forks supplied with beveled tips.

## Fork Extensions

Non-standard and customized attachments which are designed for different working condition and variety brands of forklift are available.





Catalog Order No.	Capacity @600mm	Capacity @1450mm	Mounting Class	Fork Length Retracted	Fork Length Extended	Fork Thickness	Stroke (mm)	Weight (kg)	Horizontal Center of Gravity	Horizontal Center of Gravity
	(kg)	(kg)		L min. (mm)	L max. (mm)	T (mm)			HCG1 (mm)	HCG2 (mm)
<b>TCF-2TT-B1100</b>	2000	950	II	1100	1850	55	750	<b>156</b>	<b>380</b>	<b>530</b>
<b>TCF-2TT-B1200</b>	2000	950	II	1200	2050	55	850	<b>160</b>	<b>430</b>	<b>600</b>
<b>TCF-2.5TT-B1100</b>	2500	1200	II	1100	1850	60	750	<b>190</b>	<b>375</b>	<b>535</b>
<b>TCF-2.5TT-B1200</b>	2500	1200	II	1200	2050	60	850	<b>195</b>	<b>430</b>	<b>580</b>
<b>TCF-3.5TT-B1200</b>	3500	1600	III	1200	2050	65	850	<b>210</b>	<b>430</b>	<b>650</b>
<b>TCF-4.5TT-B1200</b>	4500	1850	III	1350	2350	65	1000	<b>220</b>	<b>460</b>	<b>670</b>
<b>TCF-5TT-B1200</b>	5000	2300	III	1350	2350	65	1000	<b>270</b>	<b>460</b>	<b>700</b>

Note: \*One additional hydraulic functions needed from the forklift truck.

\*Customization is available for a specific operating condition.

## Function & Applications

Telescopic Fork can load and discharge palletized cargo by extension and retraction. And it's mainly used for cargo on shelf with double deep side and wagons with one side loading and discharging.





## Function & Application



### Bale Clamp :

Bale clamp can handle various forms of soft packs such as cotton, textile, wool, pulp, waste paper, hay and industrial scrap and other soft items for paper making, chemical fiber, waste paper recycling, port and other industries without pallet handling and stacking operations in a safe and efficient way.



### Multi-application steel arm clamp:

Steel arm clamp can handle various cartons, wooden boxes, metal boxes or soft bags and other goods for tobacco, paper, chemical fiber, workshop, port and other industries without pallet handling and stacking operations in a safe and efficient way.



### Tobacco bale clamp:

Tobacco bale clamps are particularly suitable for re-baking tobacco box without pallet handling, gripping arm size can be designed and manufactured according to working condition, according to operating condition of cigarette factory, customized solutions of tobacco bale clamps are available.



### Drum Clamp:

A drum clamp can transport 2 or 4 drums once to improve operating efficiency, they are widely used in bottled cargo handling stacking and dumping operations.



### No-Arm Clamp:

Just as it's name implies, No-arm clamp is only with a base without any arms attached. A specified arm can be designed according to consumers' special requirement. The specified arms can be welded to the clamp base to make this attachment suitable for a special application. It is applicable to industries with special requirements for handling and stacking operations.



### Fork Clamp:

The fork can be used to hold the goods and can be used to fork the pallet cargo, improve the handling efficiency and reduce the damage to the pallet. It is suitable for the rapid handling and stacking operations in the paper industry, chemical fiber, workshop warehouse, port and other industries.

23 Installation & Option

24 D-Series Bale Clamp

26 G-Series Bale Clamp

27 Pulp Bale Clamp

28 Multi-use steel arm Clamp

29 Tobacco Bale Clamp

30 Drum Clamp

31 Fork Clamp

32 Bar Arm Clamp

33 Brick Clamp

34 Brick Clamp Options Worksheet

35 Sponge Bale Clamp

## Rotator Specification

Model	Rotator Speed	Rotator Torque
2T/3T	5.2 r/min @ 57L/min	9000N.m @ 16MP
3.5T/4.5T	4.1 r/min @ 57L/min	11000N.m @ 16MP
7T	3.6 r/min @ 76L/min	16000N.m @ 16MP
10T	3.3 r/min @ 91L/min	24000N.m @ 16MP

## Hydraulic Flow & Pressure

Model	Pressure(MP)	Hydraulic Flow (L/min)					
	Max.	Min. Rec. Max.			Min. Rec. Max.		
<b>Side-shifting pattern</b>		<b>Sideshifting operation</b>			<b>Clamp operation</b>		
1.5T/2T	16	4	15	26	15	26	26
2.5T/3T	16	4	23	38	15	38	38
3.5T/4T	16	4	23	57	26	45	57
4.5T/5T	18	4	23	64	38	53	64
6T/8T	16	38	57	91	38	57	91
10T	16	38	57	91	38	57	91
<b>Rotating pattern Clamp</b>		<b>Rotating operation</b>			<b>Clamp operation</b>		
1.5T/2T	16	19	38	57	19	38	57
2.5T/3T	16	19	38	57	19	57	57
3.5T/4T	16	19	38	57	26	45	68
4.5T/5T	16	19	38	57	19	38	57
6T/8T	16	19	38	57	26	45	57
10T	16	38	57	91	38	76	91

## Options & Accessories

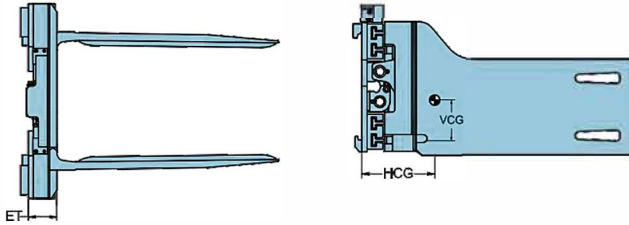


Slip-On 2-Drum Arms for Fork Clamp



Slip-On 4-Drum Arms for Fork Clamp

### Sideshifting



Catalog Order No.	Capacity@ Load Center (kg@mm)	Mounting Class	Opening Range (mm)	Arm Height (mm)	Arm Length (mm)	Arm Thickness (mm)	Vertical Center of Gravity	Weight (kg)	Effective Thickness	Horizontal Center of Gravity
							VCG (mm)		ET (mm)	HCG (mm)
BC-1.9TD-S1730-01	1900@500	II	450-1730	420	1000	70	230	420	125	315
BC-1.9TD-S1730-02	1900@500	II	450-1730	420	1200	70	230	465	125	400
BC-2.7TD-S1910-01	2700@500	II/III	560-1910	460	1000	75	250	555	140	315
BC-2.7TD-S1910-02	2700@500	II/III	560-1910	460	1200	75	250	625	140	395
BC-2.7TD-S1910-03	2700@500	II/III	560-1910	460	1350	75	250	680	150	420
BC-2.7TD-S1910-04	2700@500	II/III	560-1910	460	900	75	250	535	140	305
BC-2.7TD-S2300-01	2200@500	III	490-2300	460	1000	75	250	710	150	240
BC-2.7TD-S2300-02	2200@500	III	490-2300	460	1200	75	250	730	150	240
BC-3.2TD-S2100-01	3200@600	III/ IV	570-2100	460	1220	80	350	940	175	370
BC-3.2TD-S2100-02	3200@600	III/ IV	570-2100	460	1350	80	350	990	175	420
BC-3.2TD-S2100-03	3200@600	III/ IV	570-2100	460	1500	80	350	1050	175	470

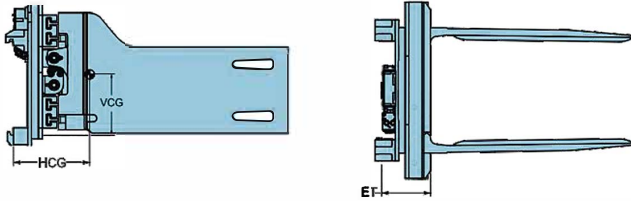
Note: \* Two additional hydraulic functions needed.

\*Opening range means distance between arms' sharp points.

\*Arm opening range, clamp height and length can be customized according to different operating condition.



## Revolving

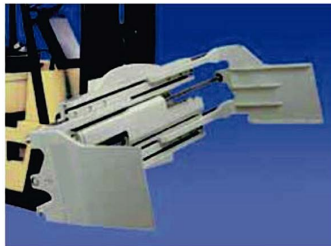


Catalog Order No.	Capacity@ Load Center (kg@mm)	Mounting Class	Opening Range (mm)	Arm Height (mm)	Arm Length (mm)	Arm Thickness (mm)	Vertical Center of Gravity VCG (mm)	Weight (kg)	Effective Thickness ET (mm)	Horizontal Center of Gravity HCG (mm)
BC-1.9TD-R1730-01	1900@500	II	450-1730	420	1000	70	330	640	220	300
BC-1.9TD-R1730-01	1900@500	II	450-1730	420	1200	70	330	680	220	365
BC-2.7TD-R1910-01	2700@500	III	560-1910	460	1000	75	325	785	275	365
BC-2.7TD-R1910-02	2700@500	III	560-1910	460	1200	75	325	855	275	430
BC-3.2TD-R2100-01	3200@600	IV	570-2100	460	1220	80	315	1260	330	415
BC-3.2TD-R2100-02	3200@600	IV	570-2100	460	1350	80	315	1310	330	460
BC-3.2TD-R2100-03	3200@600	IV	570-2100	460	1500	80	315	1365	330	505

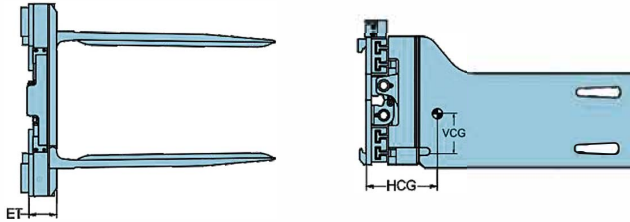
Note: \* Two additional hydraulic functions needed.

\*Opening range means distance between arms' sharp points.

\*Arm opening range, clamp height and length can be customized according to different operating condition.



### Sideshifting



Catalog Order No.	Capacity@ Load Center	Mounting Class	Opening Range	Arm Height	Arm Length	Arm Thickness	Vertical Center of Gravity	Weight	Effective Thickness	Horizontal Center of Gravity
	(kg@mm)		(mm)	(mm)	(mm)	(mm)	VCG (mm)	(kg)	ET (mm)	HCG (mm)
BC-2TG-S1730-01	2000@500	II	450-1730	420	1000	70	220	430	110	310
BC-2TG-S1730-02	2000@500	II	450-1730	420	1200	70	220	480	110	390
BC-3TG-S1910-01	3000@500	II/III	560-1910	460	1000	75	240	570	125	310
BC-3TG-S1910-02	3000@500	II/III	560-1910	460	1200	75	240	650	125	390
BC-3TG-S1910-03	3000@500	II/III	560-1910	460	1350	75	240	700	125	410
BC-3TG-S1910-04	3000@500	II/III	560-1910	460	900	75	240	550	125	300
BC-3TG-S2300-01	2500@500	III	490-2300	460	1000	75	240	730	125	220
BC-3TG-S2300-02	2500@500	III	490-2300	460	1200	75	240	750	125	220
BC-3.5TG-S2100-01	3500@600	III/IV	570-2100	460	1220	80	340	960	160	350
BC-3.5TG-S2100-02	3500@600	III/IV	570-2100	460	1350	80	340	1000	160	400
BC-3.5TG-S2100-03	3500@600	III/IV	570-2100	460	1500	80	340	1060	160	450

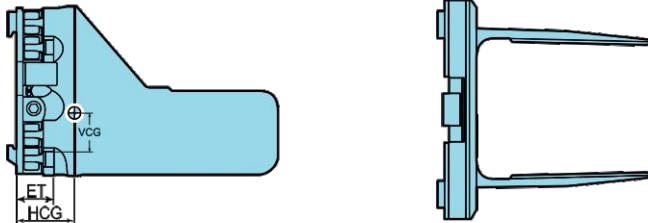
Note: \* Two additional hydraulic functions needed.

\*Opening range means distance between arms' sharp points.

\*Arm opening range, clamp height and length can be customized according to different operating condition.



## Single-arm controlled is available



Catalog Order No.	Capacity@ Load Center	Mounting Class	Opening Range	Arm Length	Arm Thickness	Vertical Center of Gravity	Weight	Effective Thickness	Horizontal Center of Gravity
	(kg@mm)					VCG (mm)		ET (mm)	HCG (mm)
<b>PBC-4TD-S2115</b>	4000@600	IV	490-2120	1200	90	300	1000	175	390
<b>PBC-4TD-S2100</b>	4000@600	IV	480-2100	1400	90	300	1060	180	395
<b>PBC-4TD-S2560</b>	4000@600	IV	550-2560	1200	90	300	1120	180	405
<b>PBC-4TD-S2550</b>	4000@600	IV	540-2550	1400	90	300	1180	180	410
<b>PBC-5TD-S2370</b>	5000@800	IV	600-2370	1200	100	320	1290	190	285
<b>PBC-5TD-S2650</b>	5000@800	IV	580-2650	1600	100	320	1535	190	375
<b>PBC-5TD-S2100</b>	5000@800	IV	500-2100	1350	100	320	1380	190	350
<b>PBC-5TD-S2620</b>	5000@800	IV	530-2620	1700	100	320	1640	190	400
<b>PBC-6.5TD-S3100</b>	6500@800		700-3100	1600	140	320	1760	225	380
<b>PBC-8TD-S3600</b>	8000@800		700-3600	1600	160	350	2460	245	310
<b>PBC-8TD-S4200</b>	8000@800		1200-4200	1600	160	350	2565	245	300
<b>PBC-10TD-S4000</b>	10000@800		680-4000	1600	180	370	3685	385	355

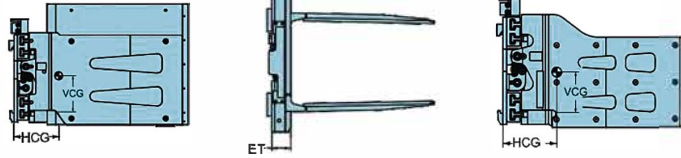
Note: \* Two additional hydraulic functions needed

\*Opening range means distance between arms' sharp points.

\*Arm opening range, clamp height and length can be customized according to different operating condition.

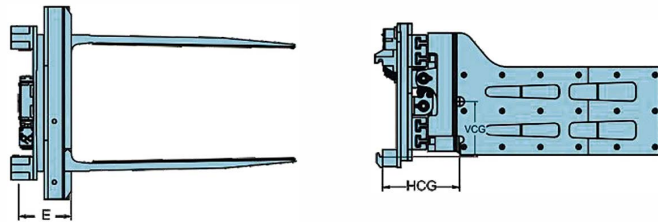


### Sideshifting



Catalog Order No.	Capacity@ (kg@mm)	Mounting Class	Opening RangeB (mm)	Pad Height (mm)	Arm Length (mm)	Arm Thickness (mm)	Vertical Center of Gravity	Weight	Effective Thickness	Center of Horizontal Gravity
							VCG (mm)	(kg)	ET (mm)	HCG (mm)
MC-1TD-S1700	800@500	II	440-1700	350	900	60	250	250	100	135
MC-1.5TD-S1600	1400@500	II	440-1600	460	1000	70	220	470	120	355
MC-1.5TD-S1760	1400@500	II	500-1760	460	1300	70	220	480	120	410
MC-2TD-S1820	1900@500	II	570-1820	460	1000	70	220	480	120	350
MC-2TD-S1760	1900@500	II	520-1760	460	1300	70	220	500	120	410
MC-2TD-S1750	1900@500	II	510-1750	1010	1050	70	220	480	120	355
MC-2.7TD-S1950	2700@500	III	600-1950	460	1000	70	260	550	150	270
MC-2.7TD-S1940	2700@500	III	590-1940	460	1200	70	260	590	150	355

### Revolving



Catalog Order No.	Capacity@ (kg@mm)	Mounting Class	Opening RangeB (mm)	Pad Height (mm)	Arm Length (mm)	Arm Thickness (mm)	Vertical Center of Gravity	Weight	Effective Thickness	Center of Horizontal Gravity
							VCG (mm)	(kg)	ET (mm)	HCG (mm)
MC-2TD-R1750	1900@500	II	520-1750	600	1050	70	330	650	230	350
MC-2TD-R1800	1900@500	II	550-1800	460	1000	70	330	620	230	290

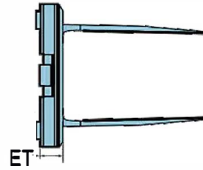
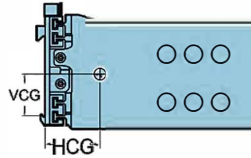
Note: \* Two additional hydraulic functions needed.

\*Opening range means distance between arms' sharp points.

\*Arm opening range, clamp height and length can be customized according to different operating condition.

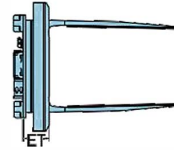
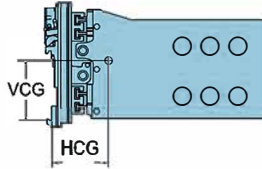


## Sideshifting



Catalog Order No.	Capacity@ (kg@mm)	Mounting Class	Opening RangeB (mm)	Pad Height (mm)	Arm Length (mm)	Arm Thickness (mm)	Vertical Center of Gravity	Weight (kg)	Effective Thickness	Center of Horizontal Gravity
							VCG (mm)		ET (mm)	HCG (mm)
TCC-1TD-S1590	800@500	II	540-1590	350	800	35	230	220	100	140
TCC-1TD-S1580	800@500	II	530-1580	500	900	35	230	280	100	150
TCC-1.5TD-S1600-01	1400@500	II	460-1600	580	900	35	230	400	120	300
TCC-1.5TD-S1600-02	1400@500	II	460-1600	580	1100	35	230	420	120	380
TCC-2TD-S1760-01	1900@500	II	480-1760	580	1100	40	250	450	120	380
TCC-2TD-S1760-02	1900@500	II	480-1760	580	1300	40	250	480	120	400

## Revolving



Catalog Order No.	Capacity@ (kg@mm)	Mounting Class	Opening RangeB (mm)	Pad Height (mm)	Arm Length (mm)	Arm Thickness (mm)	Vertical Center of Gravity	Weight (kg)	Effective Thickness	Center of Horizontal Gravity
							VCG (mm)		ET (mm)	HCG (mm)
TCC-1TD-R1720	800@500	II	520-1720	350	800	35	300	400	220	250
TCC-1.5TD-R1600	1400@500	II	460-1600	580	900	35	300	550	275	250
TCC-2TD-R1760	1900@500	II	480-1760	580	1100	40	300	640	275	250

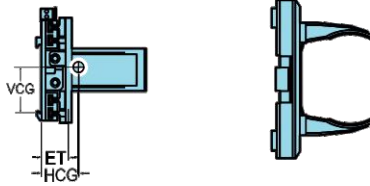
Note: \* Two additional hydraulic functions needed.

\*Opening range means distance between arms' sharp points.

\*Arm opening range, clamp height and length can be customized according to different operating condition.

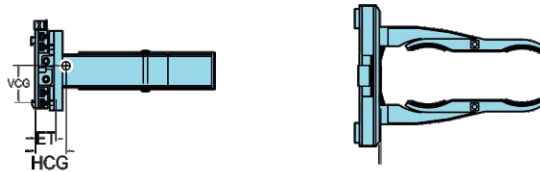


## 2 Drum



Catalog Order No.	Capacity@ Load Center (kg@mm)	Mounting Class	Mounting Angle	Opening Range (mm)	Hook Spread (mm)	Vertical Center of Gravity VCG (mm)	Weight (kg)	Effective Thickness ET (mm)	Horizontal Center of Gravity HCG (mm)
<b>2 drums side shifting</b>									
DC-1.5TD-S1545	1400@500	II	0°	395-1545	890	200	285	145	100
DC-1.5TD-S1600	1400@500	II	0°	485-1600	760	200	270	140	105
DC-2TD-S1750	1900@500	II	0°	520-1750	760	210	295	145	100
<b>2 drums rotating</b>									
DC-2TD-R1750-01	1900@500	II	0°	520-1750	810	400	520	240	140
DC-2TD-R1750-02	1900@500	II	4°	520-1750	810	400	520	215	110

## 4 Drum



Catalog Order No.	Capacity@ Load Center (kg@mm)	Mounting Class	Mounting Angle	Opening Range (mm)	Hook Spread (mm)	Vertical Center of Gravity VCG (mm)	Weight (kg)	Effective Thickness ET (mm)	Horizontal Center of Gravity HCG (mm)
<b>4 drums side shifting</b>									
DCD-1.5TD-S1480	1400@500	II	0°	335-1480	890	220	385	145	290
DCD-1.5TD-S1550	1400@500	II	0°	420-1550	760	220	370	140	310
DCD-2TD-S1690	1900@500	II	0°	460-1690	890	220	395	145	295
<b>4 drums rotating</b>									
DCD-2TD-R1690	1900@500	II	0°	460-1690	810	330	610	240	275
DCD-2TD-R1690	1900@500	II	4°	460-1690	810	330	610	210	250

Note: \*Two additional hydraulic functions needed from the forklift truck.

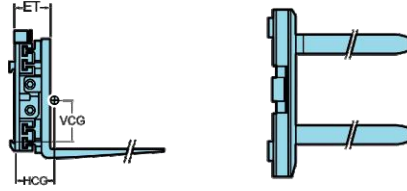
\*Opening range refers to inside curvature of drum pad.

\*2 drum clamp can handle 1 or 2 drums.

\*4 drum clamp can handle 1 or 2 or 4 drums.

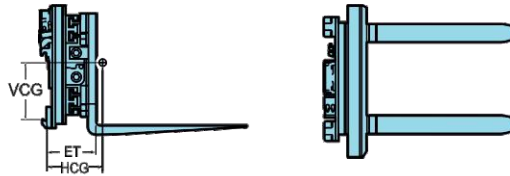
\*Proper for 55 gallons loading. (American system, 205Litre)

## Sideshifting



Catalog Order No.	Capacity@ Load Center	Mounting Class	Opening Range	Fork Length	Vertical Center of Gravity	Weight	Effective Thickness	Horizontal Center of Gravity
	(kg@mm)				(mm)		(mm)	(mm)
FC-1.1TD-S1550	1100@600	II	430-1550	1200	170	260	175	225
FC-1.6TD-S1650-01	1600@600	II	400-1650	900	175	290	180	165
FC-1.6TD-S1650-02	1600@600	II	400-1650	1050	175	300	180	195
FC-2.3TD-S1810-01	2300@600	III	460-1810	900	200	420	215	165
FC-2.3TD-S1810-02	2300@600	III	460-1810	1050	200	435	215	200
FC-2.3TD-S1810-03	2300@600	III	460-1810	1200	200	450	215	220
FC-3.2TD-S1950-01	3200@600	IV	420-1950	1050	350	680	240	210
FC-3.2TD-S1950-02	3200@600	IV	420-1950	1200	350	700	240	230
FC-3.2TD-S1950-03	3200@600	IV	420-1950	1350	350	720	240	255
FC-3.2TD-S1950-04	3200@600	IV	420-1950	1500	300	750	240	280

## Revolving



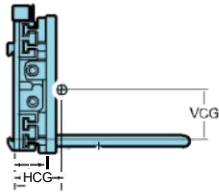
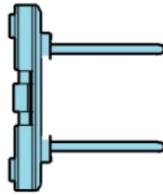
Catalog Order No.	Capacity@ Load Center	Mounting Class	Opening Range	Fork Length	Vertical Center of Gravity	Weight	Effective Thickness	Horizontal Center of Gravity
	(kg@mm)				(mm)		(mm)	(mm)
FC-1.6TD-R1660	1600@600	II	410-1660	1050	270	570	280	210
FC-2.3TD-R1780	2300@600	III	440-1780	1050	270	680	340	260
FC-3.2TD-R1950	3200@600	IV	420-1950	1050	260	1050	400	280

Note: \*Two additional hydraulic functions needed from the forklift truck.

\*Opening range refers to inside edge of forks.

\*Specific arms can be installed in clamps as per consumer request.

\*Customization is available for a specific operating condition.



Catalog Order No.	Capacity@ Load Center (kg@mm)	Mounting Class	Opening Range (mm)	Bar Arm Diameter (mm)	Bar Arm Length (mm)	Vertical Center of Gravity VCG (mm)	Weight (kg)	Effective Thickness ET (mm)	Horizontal Center of Gravity HCG (mm)
<b>BAC-1.6TD-S1400</b>	1600@600	II	170-1400	70	1700	220	420	170	380
<b>BAC-2.3TD-S1830</b>	2300@600	III	480-1830	80	1200	210	450	210	250
<b>BAC-2.3TD-S1550</b>	2300@600	III	250-1550	80	1500	210	470	210	250
<b>BAC-3TD-S1800</b>	3000@600	III	400-1800	95	2100	260	800	230	320

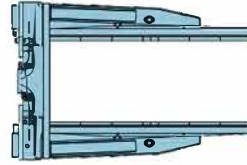
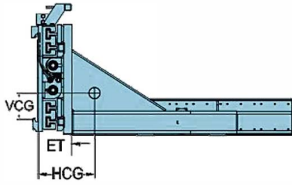
Note: \*Two additional hydraulic functions needed from the forklift truck.  
 \*Opening range refers to inside face of bars.  
 \*Customization is available for a specific operating condition.

**Function & Application**

Bar arm clamp can be safely and efficiently handled in a variety of horizontal cylindrical products, such as: paper roll, carpet roll, stone or coil etc. goods. It is applicable to paper making, chemical fiber, workshop, port and other industries no-pallet handling and stacking operations.



## 2D-Articulation Block Clamp



Catalog Order.No	Capacity@ Load Center (kg@mm)	Mounting Class	Opening Range (mm)	Arm Length (mm)	Arm Height (mm)	Arm Thickness (mm)	Vertical Center of Gravity VCG (mm)	Weight (kg)	Effective Thickness ET (mm)	Horizontal Center of Gravity HCG (mm)
BKC-2.5TD-S1860-01	2500@550	II	530-1860	1100	200	230	180	580	185	280
BKC-2.5TD-S1860-02	2500@550	III	530-1860	1100	200	230	180	600	190	275
BKC-2.5TD-S1860-03	2500@600	II	530-1860	1200	200	230	180	600	185	310
BKC-2.5TD-S1860-04	2500@800	III	530-1860	1200	200	230	175	625	190	305
BKC-2.5TD-S1860-05	2300@650	II	530-1860	1300	200	235	175	630	185	340
BKC-2.5TD-S1860-06	2300@650	III	530-1860	1300	200	235	175	650	190	335
BKC-2.5TD-S1840-01	1900@700	II	500-1840	1400	200	260	160	710	185	410
BKC-2.5TD-S1840-02	1900@700	III	500-1840	1400	200	260	160	730	190	400
BKC-2.5TD-S1840-03	1600@780	III	500-1840	1550	200	260	160	760	190	440

Note: \*Two additional hydraulic functions needed from the forklift truck.

\*Cargo in unit should be steady and firm. We suggest cargo that is in irregular shape should be packed into a unit.

\*Load Backrest is compulsory when blocks are stacked to a certain risky height.

### Function & Application

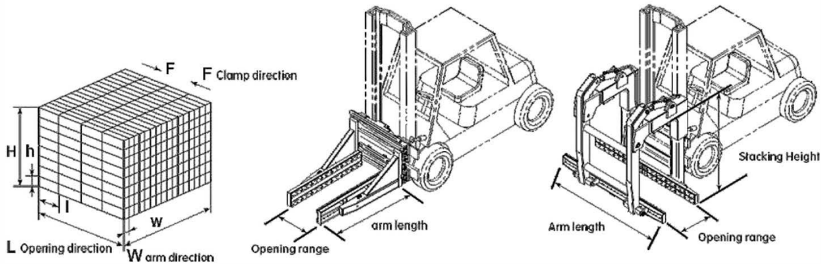
Block clamp is used for a variety of stone and bricks handling without pallets. It is widely used in construction material, metallurgy and other industries, especially for cement concrete prefabricated parts handling.





**Loading operation**

1	a.Blocks Type	
	b.Blocks production technology	
	c.Blocks tensile strength	
2	Transportation Description	



(1) Block clamp stacking diagram    (2) Double direction moving block clamp diagram    (3) Grab type block clamp diagram

Assume clamp direction is same as diagram 1.

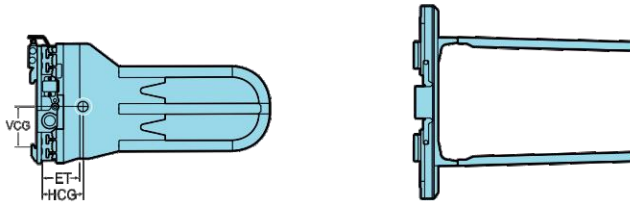
Remark : (1)Please offer photo of cargo and handling way on site.

(2)If there are a variety of load conditions, please fill out the following table.

	Single block	Qty	Stacking unit	Remark
h / H (mm)				
w / W (mm)				
l / L(mm)				
重量 Weight				
Operation description				
Other Information	a.Belt packing or not? Yes <input type="checkbox"/> No <input type="checkbox"/> b.Packing side (W side or L side. Yes <input type="checkbox"/> No <input type="checkbox"/>			
	c.Any gap among blocks. Yes <input type="checkbox"/> No <input type="checkbox"/> d.Stagger Layers or not. Yes <input type="checkbox"/> No <input type="checkbox"/>			
	e.The best position to clamp the stacking unit Yes <input type="checkbox"/> No <input type="checkbox"/>			
Other description _____				
_____				
_____				



Single arm controlled is optional



Catalog Order.No	Capacity@ Load Center	Mounting Class	Opening Range	Arm Length	Arm Height	Vertical Center of Gravity	Weight	Effective Thickness	Horizontal Center of Gravity
	(kg@mm)							(mm)	(mm)
<b>FRC-1TD-S2600</b>	500@500	II	1260-2600	410	980	250	465	125	310
<b>FRC-1TD-S2200</b>	600@500	II	850-2200	410	980	250	430	125	280
<b>FRC-1TD-S2300</b>	500@1000	II	940-2300	400	1800	250	475	165	280
<b>FRC-1TD-S3200</b>	200@1000	II	1790-3200	400	1800	250	570	180	390
<b>FRC-1TD-S2400</b>	500@1000	II	1040-2400	400	1800	300	490	165	280
<b>FRC-1TD-S2300</b>	1000@500	II	940-2300	600	1500	300	475	165	280
<b>FRC-2TD-S2600</b>	1800@500	III	790-2600	600	2600	300	920	150	650

Note: \*Two additional hydraulic functions needed.

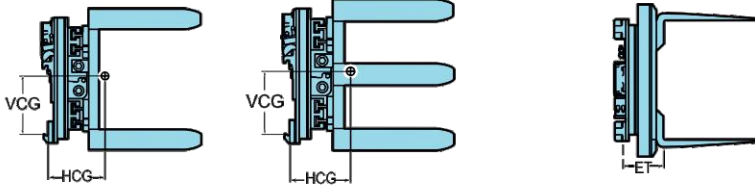
\*Opening range means distance between arms' sharp points.

\*Arm opening range, clamp height and length can be customized according to different operating condition.

### Function & Application

Foam Rubber clamp can be used for various sponge-like objects, such as sponge, rubber, foam or soft bags and other goods. It is suitable for handling rubber, chemical industries goods without pallets and stacking.





Catalog Order No.	Capacity@ Load Center	Mounting Class	Opening Range	Fork Size	Vertical Center of Gravity	Weight	Effective Thickness	Horizontal Center of Gravity
	(kg@mm)		(mm)	L×W×T (mm)	VCG (mm)	(kg)	ET (mm)	HCG (mm)
<b>TOC-1.6TD-R2000</b>	1600@600	II	690-2000	1200x125x45	330	780	290	310
<b>TOC-1.6TD-R1900</b>	1600@600	II	660-1900	1200x125x45	270	690	290	310
<b>TOC-2.3TD-R2000</b>	2300@600	II	690-2000	1200x125x50	270	780	305	300
<b>TOC-2.3TD-R2100</b>	2300@600	III	770-2100	1200x125x50	270	790	345	300
<b>TOC-3.2TD-R2300</b>	3200@600	III	780-2300	1200x150x50	370	1110	320	350

Note: \*Two additional hydraulic functions needed from forklift truck.  
 \*Opening range refers to distance between contact pads' face.  
 \*Side stabilizer will be required when rotating bagged products or other surface smooth cargo.  
 \*Various clamp arms' structures are optional.  
 \*Customization is available for a specific operating condition.

**Function & Application**

Turnover Clamp can rotate package 360 degree and move cargo from expensive pallet to a cheap one to save money. It is suitable for tobacco, paper making, chemical fiber, workshop and harbor field highly efficient operating and stacking.

