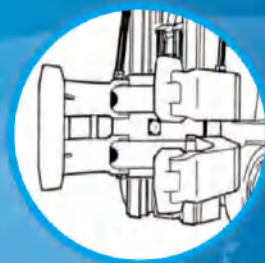
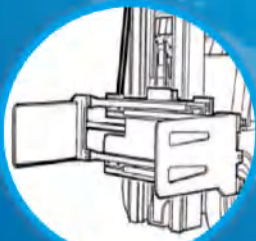




Professional Forklift Truck
Engineering Attachments Manufacturer

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.

For more information, please contact our sales.
Tel: +86-592-63311380 Fax: +86-592-63311360





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 / 600mm LCD 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.

RC - 2TD - F1600				
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

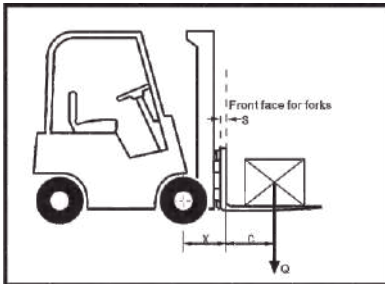


Integrated capacity of a forklift with attachment.

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.



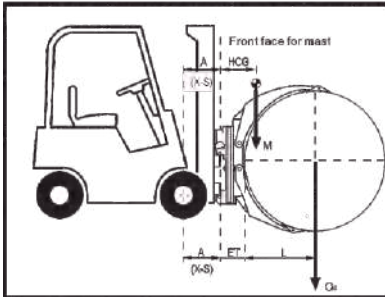
Forklift truck parameter:

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:

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

$$C_N = \frac{3000(480+500)-690(400+325)}{400+235+650}$$

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

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

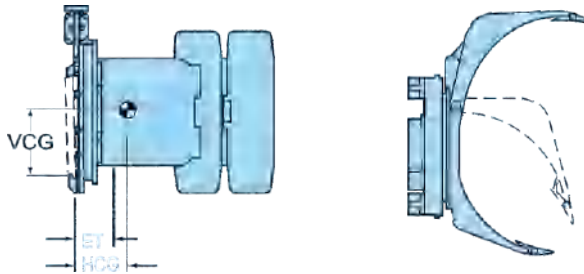
Paper roll clamp can meet the need of high efficiency, safety and damage free during roll handling and stacking. Rotating 360 degree right and left and 90 degree forward makes a paper roll easy to switch horizontally and vertically. The clamp widely used in paper making, carton packaging, printing and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



05 F series Paper Roll Clamp

06 G series Paper Roll Clamp

08 H series Paper Roll Clamp



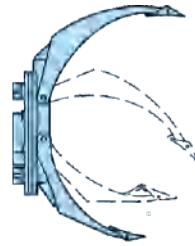
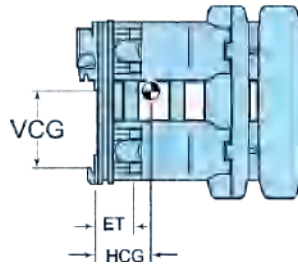
Catalog Order No	Capacity	Roll Range	Mounting Class	Long Arm Length	Short Arm Length	Vertical Center of Gravity	Weight	Effective Thickness	Horizontal Center of Gravity
	(kg)	(mm)		(mm)	(mm)	VCG (mm)	(kg)	ET (mm)	HCG (mm)
RC-1.3TF-F1150	1300	330-1150	II	680	510	320	340	135	215
RC-1.3TF-F1300	1200	410-1300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





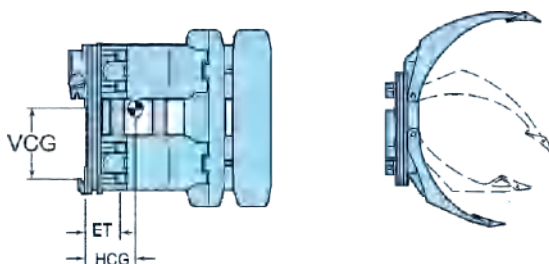
Catalog Order.No	Capacity	Roll Range	Mounting Class	Long Arm Length	Short Arm Length	Vertical Center of Gravity	Weight	Effective Thickness	Horizontal Center of Gravity
	(kg)	(mm)		(mm)	(mm)	VCG (mm)	(kg)	ET (mm)	HCG (mm)
RC-2TG-F1300	2000	630-1300	II/III	830	560	345	680	195/235	280/320
RC-2TG-P1300	2000	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

*Please consult with our sales representatives before your purchasing.



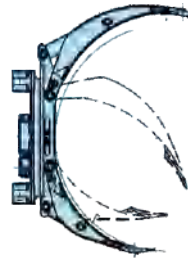
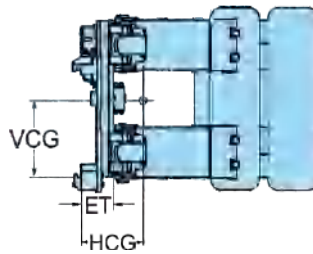


Catalog Order.No	Capacity	Roll Range	Mounting Class	Long Arm Length	Short Arm Length	Vertical Center of Gravity	Weight	Effective Thickness	Horizontal Center of Gravity
	(kg)	(mm)		(mm)	(mm)	VCG (mm)	(kg)	ET (mm)	HCG (mm)
RC-4TG-F1300	4000	560-1300	III/IV	870	580	420/490	1135	220	285
RC-4TG-P1300	4000	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	Roll Range	Mounting Class	Long Arm Length	Short Arm Length	Vertical Center of Gravity	Weight	Effective Thickness	Horizontal Center of Gravity
	(kg)	(mm)		(mm)	(mm)	VCG (mm)	(kg)	ET (mm)	HCG (mm)
Fixed short arm									
RC-2.2TH-F1150	2200	350-1150	III	510	360	810	570	220	265
RC-2.2TH-F1300	2200	440-1300	III	590	360	895	595	220	290
RC-2.2TH-F1400	2200	440-1400	III	620	360	950	610	220	295
RC-2.2TH-F1525	2000	490-1525	III	680	360	1010	635	220	320
RC-2.2TH-F1600	1900	500-1600	III	720	360	1045	645	220	330
Positioned short arm									
RC-2.2TH-P1150	2200	200-1150	III	510	365	810	575	220	265
RC-2.2TH-P1300	2200	200-1300	III	590	365	895	600	220	290
RC-2.2TH-P1400	2200	200-1400	III	620	365	950	615	220	295
RC-2.2TH-P1525	2000	200-1525	III	680	365	1010	635	220	320
RC-2.2TH-P1600	1900	200-1600	III	720	365	1045	650	220	325

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.





Function & Application

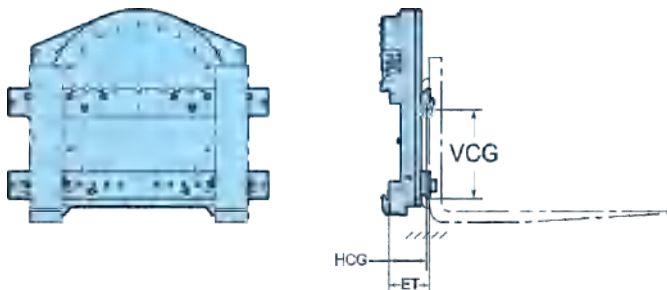
Rotator is widely used for fields like food, chemical industry, sanitation, recycling, smelting and casting and foundry those who require turnover, tipping and rotating 360 degree movements during cargo handling operation.



10 D Series Rotator

11 G Series Rotator

12 Rotator Worksheet



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	Effective Thickness	Horizontal Center of Gravity
	(kg@mm)			(mm)	(mm)	VCG (mm)	(kg)	ET (mm)	HCG (mm)
RT-2.5TD-860	2500@500	II	II	860	810	310	270	155	80
RT-2.5TD-1000	2500@500	II	II	1000	810	310	275	155	80
RT-3TD-1000	3000@500	II	II	1000	810	315	275	155	80
RT-3TD-1120	3000@500	II	II	1120	810	315	285	155	80
RT-3.5TD-1120	3500@500	III	III	1120	810	315	350	200	120
RT-3.5TD-1270	3500@500	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.

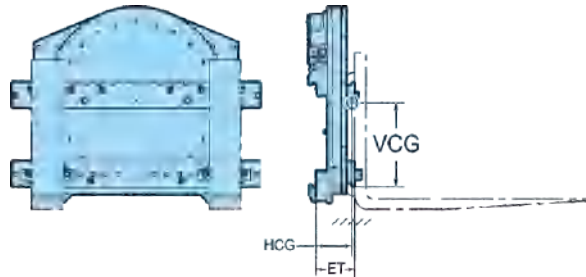
*Customized products are available for different working conditions.

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



Foundry Model



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 VCG (mm)	Weight (kg)	Effective Thickness ET (mm)	Horizontal Center of Gravity HCG (mm)
	(kg@mm)			(mm)	(mm)				
RTT-2.5TG-860	2500@500	II	II	860	810	315	280	155	80
RTT-2.5TG-1000	2500@500	II	II	1000	810	315	285	155	80
RTT-3TG-1000	3000@500	II	II	1000	810	315	290	155	80
RTT-3TG-1120	3000@500	II	II	1120	810	315	295	155	80
RTT-3.5TG-1120	3500@500	III	III	1120	810	315	360	200	120
RTT-3.5TG-1270	3500@500	III	III	1270	810	315	365	200	120
RTT-4.5TG-1060	4500@600	III	III	1060	940	300	475	160	85
RTT-4.5TG-1520	4500@600	III	III	1520	940	300	525	160	90
RTT-5.4TG-1250	5400@600	IV	IV	1250	1040	285	735	170	95
RTT-5.4TG-1550	5400@600	IV	IV	1550	1040	285	790	170	100
RTT-5.4TG-1850	5400@600	IV	IV	1850	1040	285	850	170	100
RTT-6.8TG-1250	6800@600	IV	IV	1250	1040	300	930	215	120
RTT-6.8TG-1550	6800@600	IV	IV	1550	1040	300	990	215	125
RTT-6.8TG-1850	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



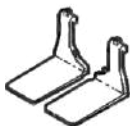
Hydraulic Flow & Pressure

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	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)
Push									
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
Push Pull (no side-shifting)									
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
Slip sheet saving Push Pull(no side-shifting)									
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

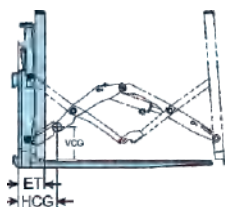
*One additional hydraulic function of forklift truck required for Pull

*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.



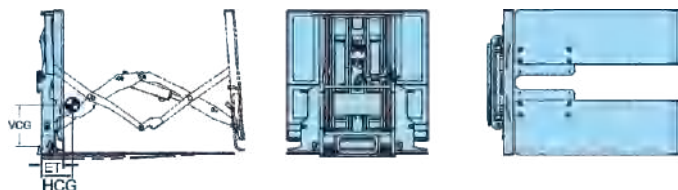


Catalog Order No.	Capacity@ Load Center	Mounting Class	Stroke	Number of Forks or Round Bars	Fork Dimensions	Vertical Center of Gravity	Weight	Effective Thickness	Horizontal Center of Gravity
	(kg@mm)		(mm)		E×F×L / ØD×L (mm)	VCG (mm)	(kg)	ET (mm)	HCG (mm)
PUB-1.6TE-B1180	1600@600	II	1180	6	80X40X1200	250	500	240	330
PUB-2TE-B1080	2000@600	III	1080	6	80X40X1150	245	520	185	265
PUB-2TE-B1140	2000@600	III	1140	6	80X40X1100	230	550	250	305
PUB-2TE-B1190	2000@600	III	1190	6	80X40X1200	210	500	180	280
PUB-2TE-B1200	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)
PPQ-1.6TE-B455	1600@600	II	455x1220	1270	790	300	360	165	235
PPQ-1.6TE-B380	1600@600	II	380x1220	1270	790	300	350	165	220
PPQ-2TE-B455	2000@600	II	455x1220	1270	790	300	380	165	260
PPQ-2TE-B380	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

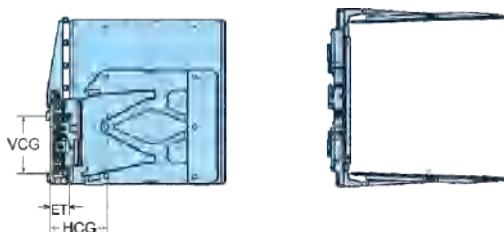
Carton Clamps are used for handling various carton packaging goods in a safe and efficient way. These clamps are designed for household appliances handling without pallets and stacking, specially for refrigerator, television, washing machine and so on.



19 Installation & accessories

20 D series Carton clamps

21 Carton Clamp application worksheet

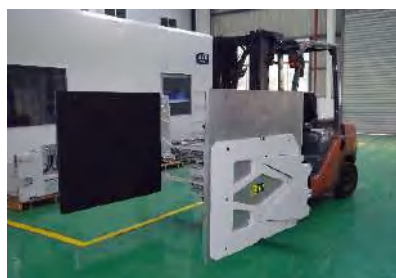


Catalog Order No.	Capacity@	Mounting Class	Opening Range	Arm Height	Arm Length	Arm Thickness	Vertical Center of Gravity	Weight	Effective Thickness	Horizontal Center of Gravity
	(kg@mm)		(mm)	(mm)	(mm)	(mm)	VCG (mm)	(kg)	ET (mm)	HCG (mm)
CC-1.4TD-S1950-01	1400@500	II	550-1950	1200	1220	90	930	705	125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





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

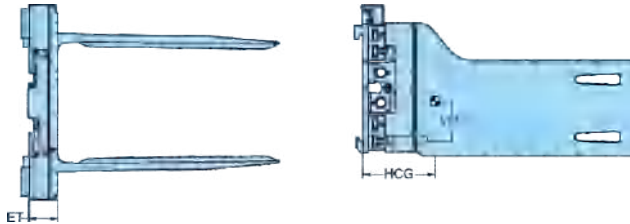
32 Bar Arm Clamp

33 Brick Clamp

34 Brick Clamp Options Worksheet

35 Sponge Bale Clamp

Sideshifting

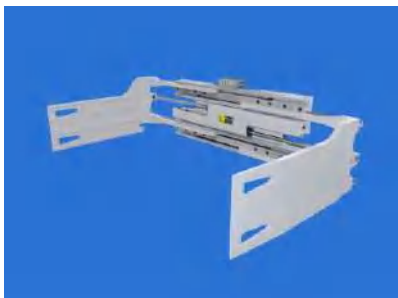


Catalog Order No.	Capacity@ Load Center (kg@mm)	Mounting Class	Opening Range (mm)	Arm Height (mm)	Arm Length (mm)	Arm Thickness (mm)	Vertical Center of Gravity VCG (mm)	Weight (kg)	Effective Thickness ET (mm)	Horizontal Center of Gravity HCG (mm)
BC-1.9TD-S1730-01	1900@500	II	450-1730	420	1000	70	230	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

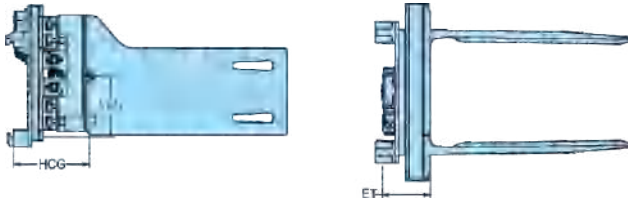
Note: * Two additional hydraulic functions needed.

*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	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-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

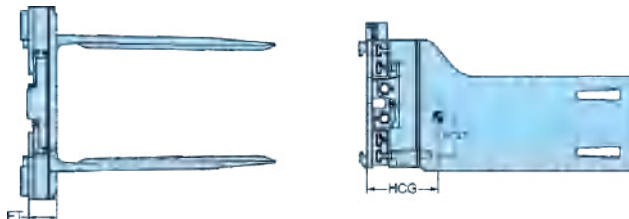
Note: * Two additional hydraulic functions needed.

*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.

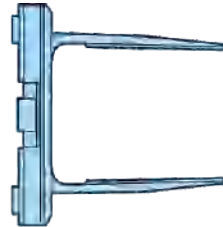
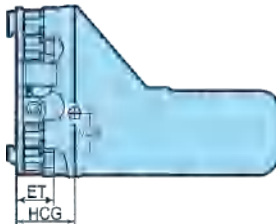
*Opening range means distance between arms' sharp points.

*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)		(mm)	(mm)	(mm)	VCG (mm)	(kg)	ET (mm)	HCG (mm)
PBC-4TD-S2115	4000@600	IV	490-2120	1200	90	300	1000	175	390
PBC-4TD-S2100	4000@600	IV	480-2100	1400	90	300	1060	180	395
PBC-4TD-S2560	4000@600	IV	550-2560	1200	90	300	1120	180	405
PBC-4TD-S2550	4000@600	IV	540-2550	1400	90	300	1180	180	410
PBC-5TD-S2370	5000@800	IV	600-2370	1200	100	320	1290	190	285
PBC-5TD-S2650	5000@800	IV	580-2650	1600	100	320	1535	190	375
PBC-5TD-S2100	5000@800	IV	500-2100	1350	100	320	1380	190	350
PBC-5TD-S2620	5000@800	IV	530-2620	1700	100	320	1640	190	400
PBC-6.5TD-S3100	6500@800		700-3100	1600	140	320	1760	225	380
PBC-8TD-S3600	8000@800		700-3600	1600	160	350	2460	245	310
PBC-8TD-S4200	8000@800		1200-4200	1600	160	350	2565	245	300
PBC-10TD-S4000	10000@800		680-4000	1600	180	370	3685	385	355

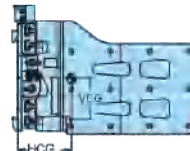
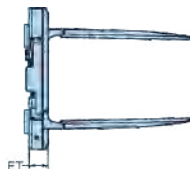
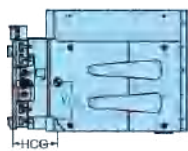
Note: * Two additional hydraulic functions needed

*Opening range means distance between arms' sharp points.

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

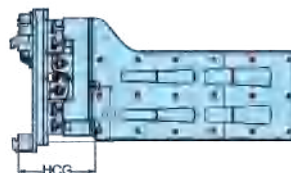
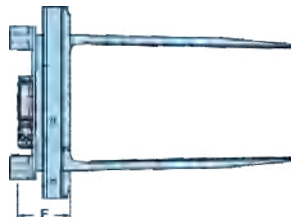


Sideshifting



Catalog Order No.	Capacity@	Mounting Class	Opening RangeB	Pad Height	Arm Length	Arm Thickness	Vertical Center of Gravity	Weight	Effective Thickness	Center of Horizontal Gravity
	(kg@mm)		(mm)	(mm)	(mm)	(mm)	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@	Mounting Class	Opening RangeB	Pad Height	Arm Length	Arm Thickness	Vertical Center of Gravity	Weight	Effective Thickness	Center of Horizontal Gravity
	(kg@mm)		(mm)	(mm)	(mm)	(mm)	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@	Mounting Class	Opening RangeB	Pad Height	Arm Length	Arm Thickness	Vertical Center of Gravity	Weight	Effective Thickness	Center of Horizontal Gravity
	(kg@mm)		(mm)	(mm)	(mm)	(mm)	VCG (mm)	(kg)	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@	Mounting Class	Opening RangeB	Pad Height	Arm Length	Arm Thickness	Vertical Center of Gravity	Weight	Effective Thickness	Center of Horizontal Gravity
	(kg@mm)		(mm)	(mm)	(mm)	(mm)	VCG (mm)	(kg)	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	Mounting Class	Mounting Angle	Opening Range	Hook Spread	Vertical Center of Gravity	Weight	Effective Thickness	Horizontal Center of Gravity
	(kg@mm)			(mm)	(mm)	VCG (mm)	(kg)	ET (mm)	HCG (mm)
2 drums side shifting									
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
2 drums rotating									
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	Mounting Class	Mounting Angle	Opening Range	Hook Spread	Vertical Center of Gravity	Weight	Effective Thickness	Horizontal Center of Gravity
	(kg@mm)			(mm)	(mm)	VCG (mm)	(kg)	ET (mm)	HCG (mm)
4 drums side shifting									
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
4 drums rotating									
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.

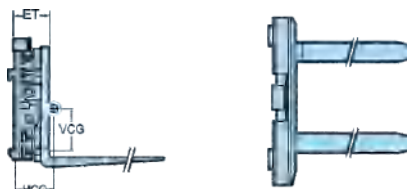
*2 drum clamp can handle 1 or 2 drums.

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

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

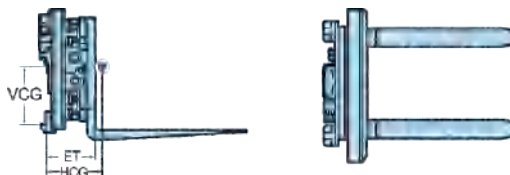


Sideshifting



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)	VCG (mm)	(kg)	ET (mm)	HCG (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



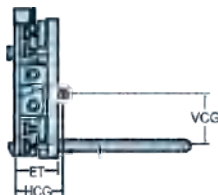
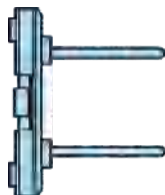
Catalog Order No.	Capacity@ Load Center	Mounting Class	Opening Range	Fork Length	Vertical Center of Gravity	Weight	Effective Thickness	Horizontal Center of Gravity
	(kg@mm)		(mm)	(mm)	VCG (mm)	(kg)	ET (mm)	HCG (mm)
FC-1.6TD-R1660	1600@600	II	410-1660	1050	270	570	280	210
FC-2.3TD-R1780	2300@600	III	440-1780	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	Mounting Class	Opening Range	Bar Arm Diameter	Bar Arm Length	Vertical Center of Gravity	Weight	Effective Thickness	Horizontal Center of Gravity
	(kg@mm)		(mm)	(mm)	(mm)	VCG (mm)	(kg)	ET (mm)	HCG (mm)
BAC-1.6TD-S1400	1600@600	II	170-1400	70	1700	220	420	170	380
BAC-2.3TD-S1830	2300@600	III	480-1830	80	1200	210	450	210	250
BAC-2.3TD-S1550	2300@600	III	250-1550	80	1500	210	470	210	250
BAC-3TD-S1800	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	Mounting Class	Opening Range	Arm Length	Arm Height	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)
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@600	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.



Single arm controlled is optional



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

Note: *Two additional hydraulic functions needed.

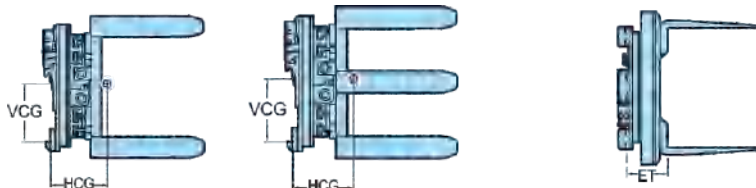
*Opening range means distance between arms' sharp points.

*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)
TOC-1.6TD-R2000	1600@600	II	690-2000	1200x125x45	330	780	290	310
TOC-1.6TD-R1900	1600@600	II	660-1900	1200x125x45	270	690	290	310
TOC-2.3TD-R2000	2300@600	II	690-2000	1200x125x50	270	780	305	300
TOC-2.3TD-R2100	2300@600	III	770-2100	1200x125x50	270	790	345	300
TOC-3.2TD-R2300	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.





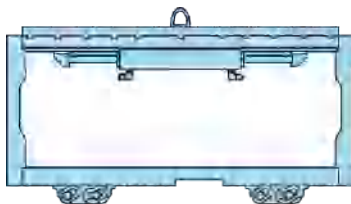
Function & Application

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.



38 Installation & Option

39 F、D-Series Sideshifter



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)	(mm)	(mm)	VCG (mm)	(kg)	ET (mm)	HCG (mm)
F series									
SS-2.5TF-920	2500/600	II	±100	920	780	230	50	60	25
SS-2.5TF-1000	2500/600	II	±100	1000	895	230	50	60	25
SS-2.5TF-1020	2500/600	II	±100	1020	895	230	50	60	25
SS-2.5TF-1040	2500/600	II	±100	1040	895	230	50	60	25
SS-2.5TF-1100	2500/600	II	±100	1100	970	230	50	60	25
SS-3TF-1000	3000/600	III	±100	1000	895	290	65	65	25
SS-3TF-1040	3000/600	III	±100	1040	895	290	70	65	25
SS-3TF-1100	3000/600	III	±100	1100	895	290	70	65	25
SS-3TF-1150	3000/600	III	±100	1150	1040	290	75	65	25
SS-3TF-1300	3000/600	III	±100	1300	1040	290	85	65	25
D series									
SS-4.5TD-1350	4500/500	III	±150	1350	1150	320	200	65	30
SS-4.5TD-1500	4500/500	III	±150	1500	1300	320	210	65	30
SS-5.5TD-1550	5500/600	IV	±150	1550	1350	380	200	80	40
SS-5.5TD-1830	5500/600	IV	±150	1830	1630	380	245	80	40
SS-5.5TD-1830	6800/600	IV	±150	1830	1630	380	300	85	45

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

*Shifting distance is customized according to customers' requirement.

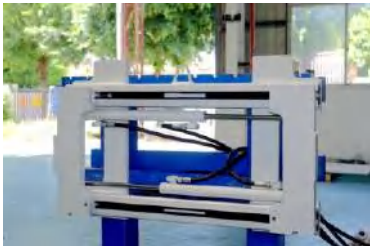
Heavy duty loading and different width is customized as per customers' demand.

*Please consult with Riggerte Sales before purchasing.

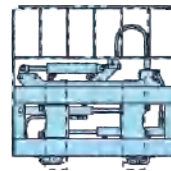
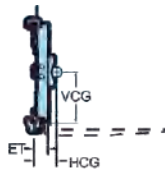
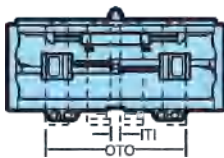


Function & Application

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.



41 K series Fork Positioner



Catalog Order No.	Capacity@ Load Center	Mounting Class	Opening Range	Minimum Truck Carriage Width	Fork Pocket Width	Vertical Center of Gravity	Weight	Effective Thickness	Horizontal Center of Gravity
	(kg@mm)		ITI/OTO (mm)	(mm)	(mm)	VCG (mm)	(kg)	ET (mm)	HCG (mm)
FP-2.5TK-S900	2500@600	II	50-900	890	100	220	65	60	30
FP-2.5TK-S880	2500@600	II	50-880	890	100	220	60	60	30
FP-3TK-S1030	3000@600	III	50-1030	1040	125	250	85	65	30
FP-3TK-S980	3000@600	III	50-980	940	125	250	85	65	30
FP-3TK-S950	3000@600	III	50-950	940	125	250	80	65	30
FP-4.6TF-S900	4600@600	III	50-900	940	150	350	140	75	35
FP-4.6TF-S1090	4600@600	III	50-1090	1040	150	350	160	75	35
FP-5.5TF-S1090	5500@600	IV	100-1090	1040	150	370	190	75	45
FP-5.5TF-S1400	5500@600	IV	100-1400	1200	150	370	230	75	45
FP-7TH-S1090	7000@600	IV	100-1090	1170	150	370	200	75	40
FP-7TH-S1400	7000@600	IV	100-1400	1200	150	370	200	80	45
FP-7.5TH-S1090	7500@600	IV	100-1090	1400	150	420	220	80	45
FP-7.5TH-S1400	7500@600	IV	100-1400	1400	150	420	260	80	40

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

*Can not clamp cargo.

*Fork length should not exceed 1600mm

*Please consult with Riggerte Sales before purchasing.



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.

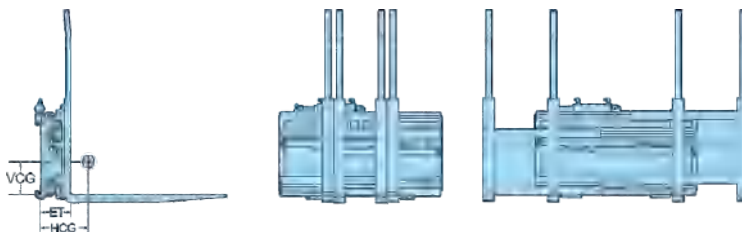


43 Options & Accessorie

44 Single Double Pallet Handler

45 Single Double Pallet Handler Worksheet

46 Single Double Pallet Handler Worksheet



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



48 Installation& Option

49 Load Stabilizer

50 Hinged Carriage

50 Tyre Clamp

51 Telescopic Fork

52 Fork Clamp For Tyre Handler

53 Pallet Turnover Clamp With Pusher

54 log Holder

54 Hinged Broke Handler

55 Tipping Multi–Purpose Clamp

55 Carpet Carrying Ram

56 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.

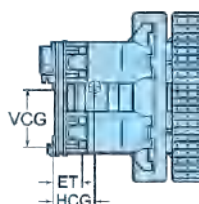
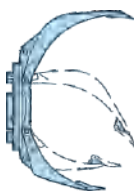


Catalog Order No.	Capacity@ Load Center (kg@mm)	Truck Mounting Class	Hinged Fork Mounting Class	Tilt Forward/ Tilt Backward	Carriage Width (mm)	Overall Height (mm)	Weight (kg)	Effective Thickness ET (mm)	Horizontal Center of Gravity HCG (mm)
HGC-2.5TD	2500@500	II	II	45°/25°	1100	1170	500	390	130
HGC-3.5TD	3500@500	III	III	45°/25°	1100	1170	500	360	185
HGC-4.5TD	4500@600	IV	III	45°/25°	1500	1380	700	425	195
HGC-6TD	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 WxH (mm)	Long Arm Length (mm)	Short Arm Length (mm)	Vertical Center of Gravity VCG (mm)	Weight (kg)	Effective Thickness ET (mm)	Horizontal Center of Gravity HCG (mm)
TYC-1.2T-R1300	1200	410-1300	II	230X500	800	570	330	400	135	215
TYC-2T-R1600	2000	630-1600	II	300X500	1050	850	350	800	180	300

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

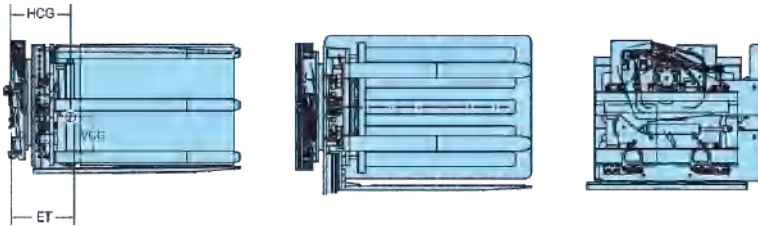
*Customization is available for a specific operating condition.



Catalog Order No.	Capacity@ Load Center	Mounting Class	Opening Range	Fork Length	Vertical Center of Gravity	Weight	Effective Thickness	Horizontal Center of Gravity
	(kg@mm)		(mm)	(mm)	VCG (mm)	(kg)	ET (mm)	HCG (mm)
FCT-2TD-R2200	2000@500	III	550-2200	1200	330	1000	340	400
FCT-2TD-R2300	2000@500	III	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	Mounting Class	Opening Range	Load Push Stroke	Vertical Center of Gravity	Weight	Effective Thickness	Horizontal Center of Gravity
	(kg@mm)		(mm)	(mm)	VCG (mm)	(kg)	ET (mm)	HCG (mm)
PTP-1.5TE-S1530	1500@600	III	930-1530	1270	530	1350	490	500
PTP-2TE-S1550	2000@600	III	950-1550	1270	520	1700	510	505

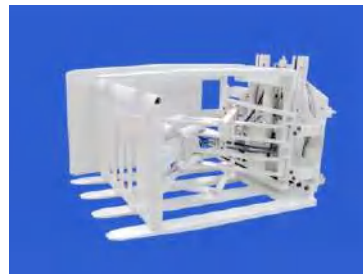
Note: *Two additional hydraulic functions and one solenoid valve required from the FLT.

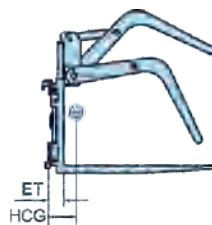
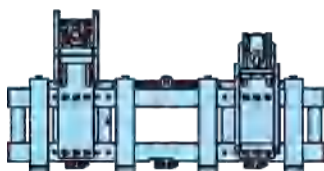
*Solenoid valve voltage is DC 12V

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.



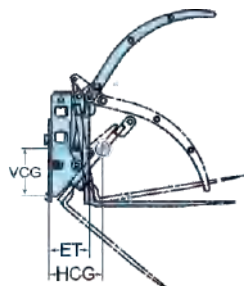
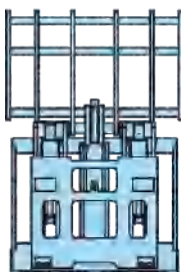


Catalog Order No.	Capacity@ Load Center (kg@mm)	Mounting Class	Fork Spread FW (mm)	Raker Width RW (mm)	Raker Opening (mm)	Weight (kg)	Effective Thickness ET (mm)	Horizontal Center of Gravity HCG (mm)
LGH-3TD-S2200	2900@600	III	2200	1570	760/100	700	150	200
LGH-5TD-S2200	5000@600	IV	2200	1570	920/50	1050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

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

*Customization is available for a specific operating condition.

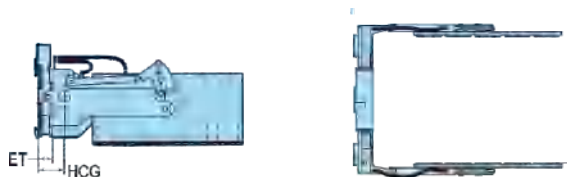
Hinged Broke Handler



Catalog Order No.	Capacity@ Load Center (kg@mm)	Mounting Class	Tilt Angle -Forks (Up/Down)	Raker Width RW (mm)	Raker Opening Min-Max (mm)	Raker Pivot Height RL (mm)	Vertical Center of Gravity VCG (mm)	Weight (kg)	Effective Thickness ET (mm)	Horizontal Center of Gravity HCG (mm)
HBH-2TD	2000@600	III	38°/8°	1260	100-1590	1300	450	950	390	465
HBH-2.5TD	2500@600	III	38°/8°	1260	100-1450	1150	440	940	390	460

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

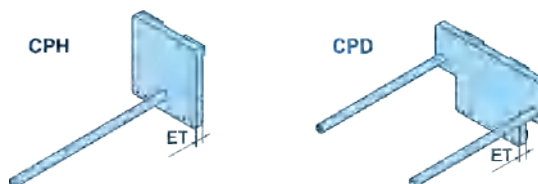
*Customization is available for a specific operating condition.



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)
MCT-1TD-B1500	300@500	II	450-1500	1100	500	180°	190	360	100	400

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

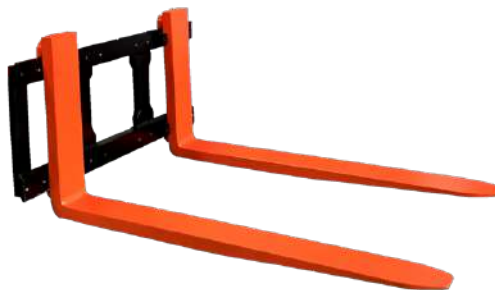
*Customization is available for a specific operating condition.



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)
RAM-1.2TD-B1000	1200@500	II	75	1000	100	110	50	150
RAM-2TD-B1600	2000@500	II	85	1600	130	300	60	420
RAM-5TD-B2100	5000@750	III	140	2100	280	650	100	480
RAM-6TD-B2200	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.



Capacity@ Load Center/Pair	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.





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