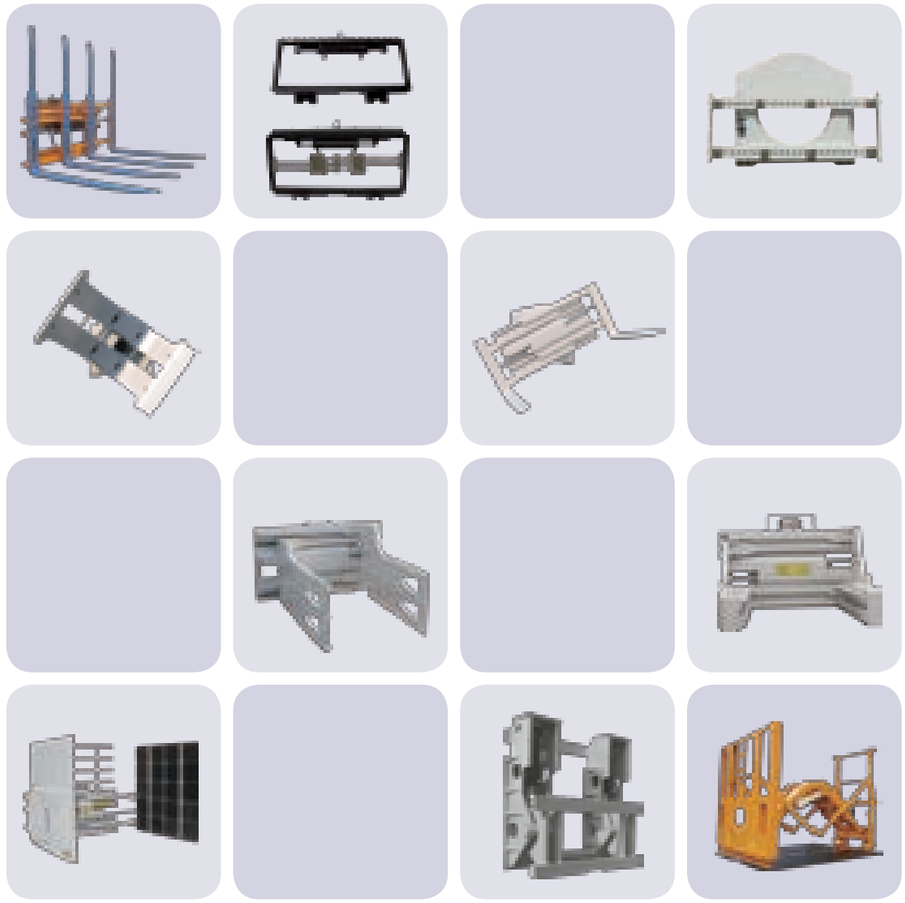
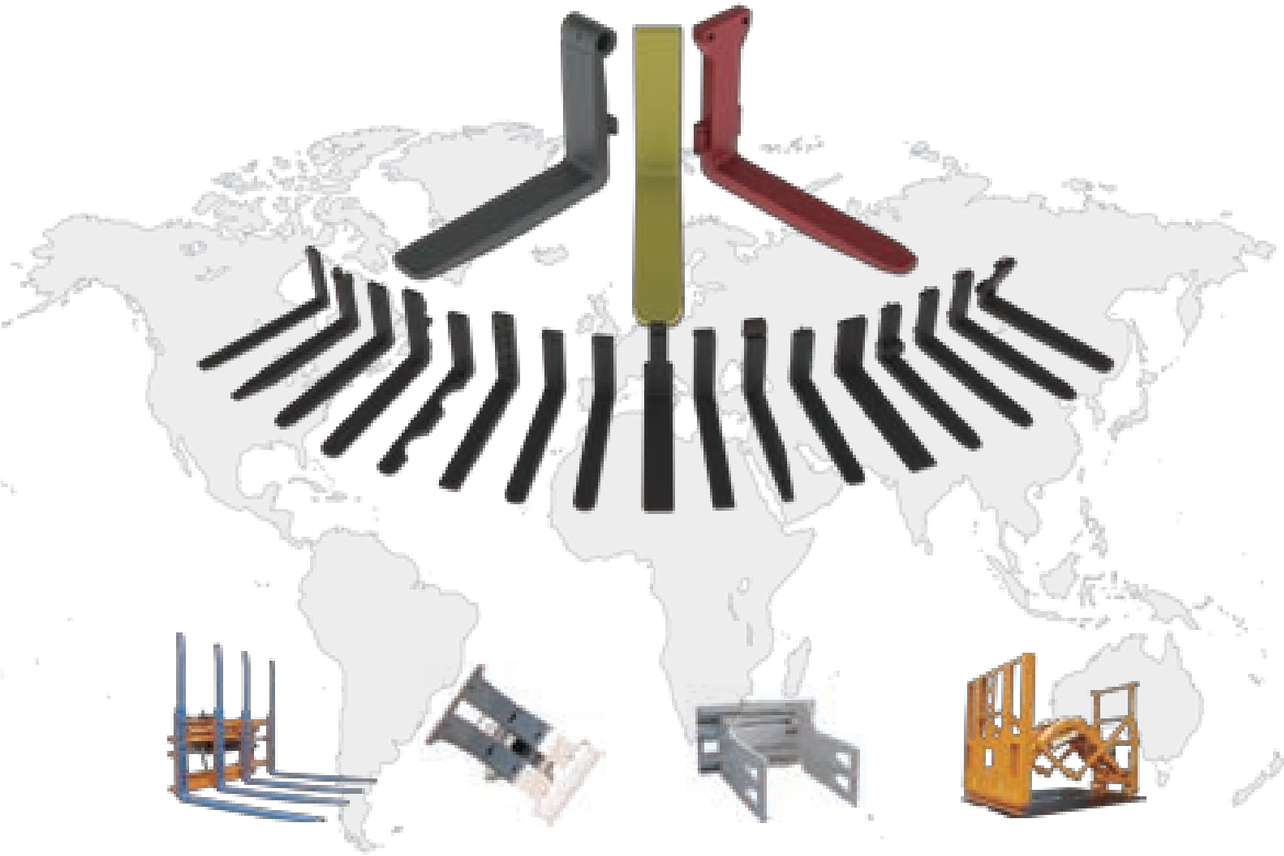
Looking for Industry Attachments?



RP PARTS



RP PARTS

PART I

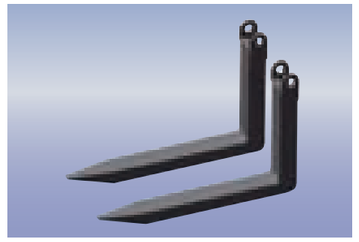
INDUSTRY FORK ARMS

Fork Arms

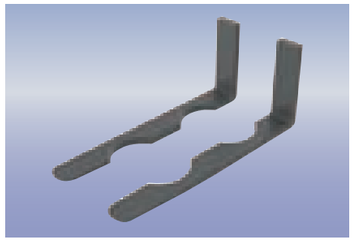
1.1 General Introduction on Fork Arms

We make forks for lift trucks and Agricultural Machines of all makes, models and sizes- at a price that helps keep you competitive.

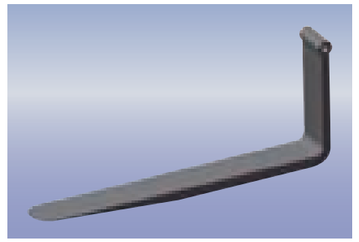
Our comprehensive product line includes a full range of fork products of I.T.A /FEM/ISO standard and for a wide cross-section of industrial and commercial applications including:



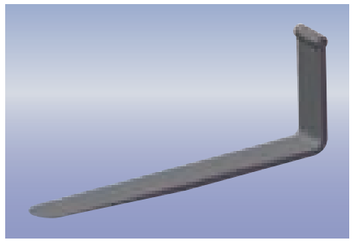
BLOCK FORKS
Allows secure handling of bricks and blocks



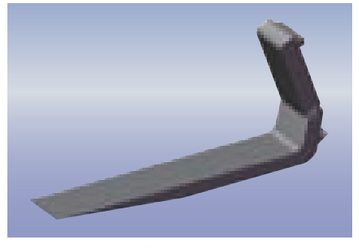
DRUM FORKS
Fast material handling of barrels and drum



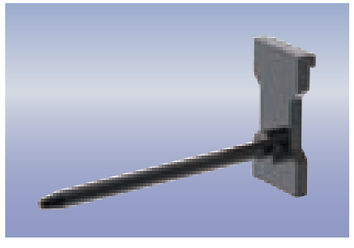
SHAFT FORKS
To suit all pin type carriages



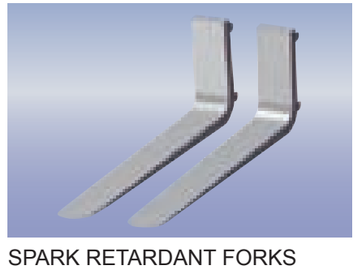
LUMBER & PLYWOOD FORKS
Forged heel, square heel, single taper, double taper, with or without PEEK-A-BOO BACKS



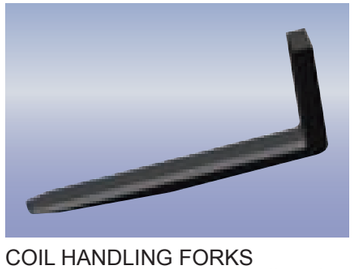
FOLDING FORKS
Used to enable lift trucks to maneuver in areas where movement is restricted, such as elevators



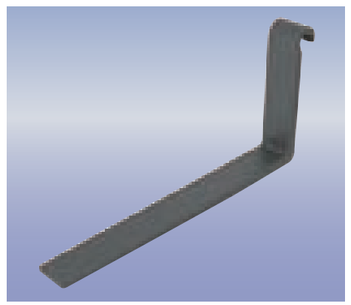
Carpet Boom
Used to take carpet rolls, coiled rolls etc



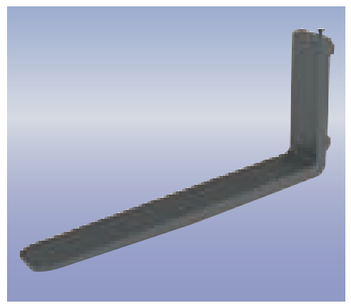
SPARK RETARDANT FORKS
For hazardous locations and atmospheres



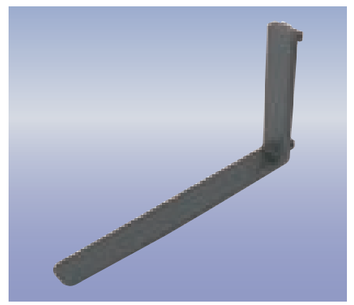
COIL HANDLING FORKS
Blade is contoured to handle coils. Capacity is reduced according to the size of the contour



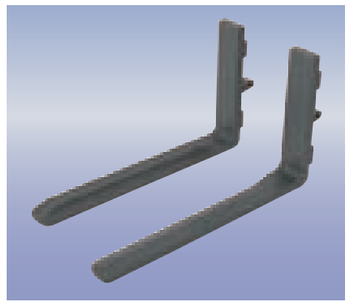
QUICK DETACHED FORK



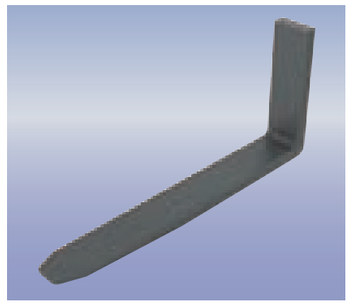
ANTI-SLIP FORKS



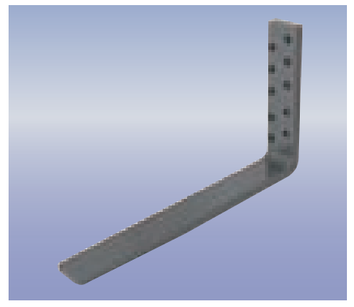
HOOK-ON FORKS



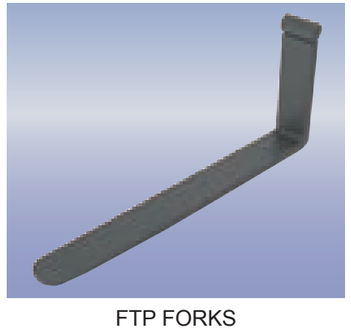
TYRE HANDLING



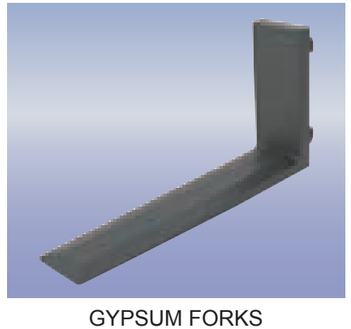
BLANK FORK



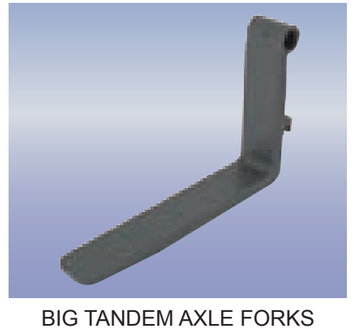
BOLT-ON FORKS



FTP FORKS



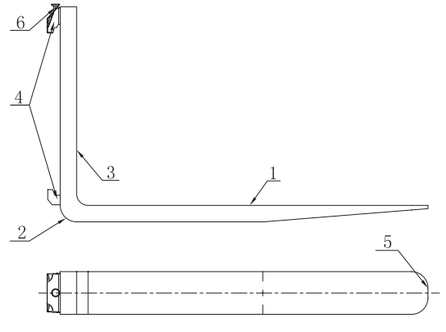
GYPSUM FORKS



BIG TANDEM AXLE FORKS

1.2 Lift Truck Forks Vocabulary

1.2.1 FORK PARTS



1. BLADE

The horizontal portion of the fork upon which the load is supported

2. HEEL

The radiused portion of the fork connecting the blade to the shank

3. SHANK

The upright (vertical) portion of the fork to which the supporting hooks are fixed

4. HOOK (or CLIP, HANGER)

Lugs attached to the shank to support and retain the fork on the carriage. They may be made as non-integral hooks (attached to the shank) or as integral hooks(formed integrally with the shank)

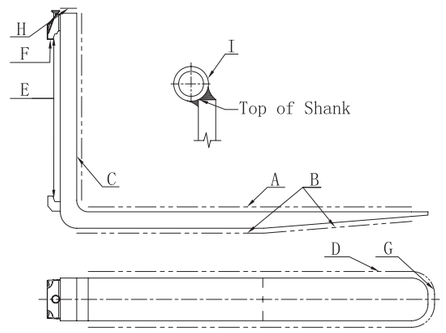
5. TIP

The free end of the blade

6. POSITIONING LOCK (or PIN ASSEMBLY, LOCKING PIN)

Device for locating the fork on the fork carriage

1.2.2 FORK SURFACES



A. BLADE-UPPER FACE

The uppermost surface of the blade on which the load is carried

B. BLADE-BOTTOM FACE

The lower surface of the blade, including the tapers

C. SHANK- FRONT FACE

The face of the shank which contacts the load and from which the load center distance is measured

D. FLANKS

The side faces of the blade and shank

E. HOOK RETAINING FACE

The inclined faces of the top and the bottom hooks

F. HOOK SUSPENSION FACE

The bottom horizontal face of the top hook in contact with the carriage or fork carrier

G. TIP FLANKS(TOE FLANKS)

The tip of blade sides which are shaped to facilitate insertion of the fork. (The tip shapes may take various forms)

H. SHANK TOP

The upper surface of the vertical (or shank)

I. TUBE

The tube used for mounting forks onto shaft

1.2.3 FORK DIMENSIONS

T. THICKNESS

The thickness of the parallel portion of the blade or shank closest to the heel

W. WIDTH

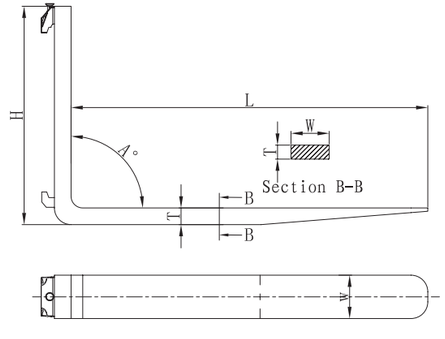
The width of the blade

H. BACK HEIGHT

The distance from the bottom of the blade to the top of the shank

L. LENGTH

The length of the blade measured from the front of the shank to the extreme tip of the blade



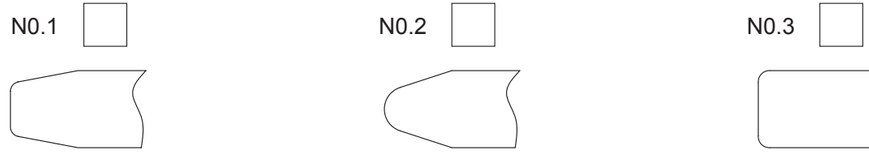
C. CROSS SECTION

The product of the width and thickness

A. ANGLE

The angle from the upper face of the blade to the front face of the shank

1.2.4 FORK TIPS

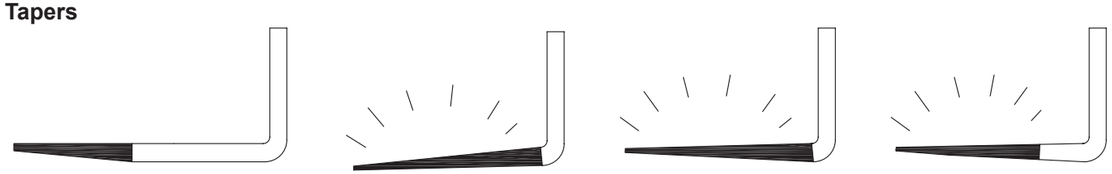


NOTES: No.1 tip is standard on forks up to and including 7"(180mm)
No.2 tip is standard on Block Handling forks
No.3 tip is standard on forks wider than 7"(180mm)

Chisel & Bevel Options

Standard Taper No Bevel ☐ | Full Taper & Polish With Bottom Bevel ☐ | Full Taper & Polish With Top Bevel ☐

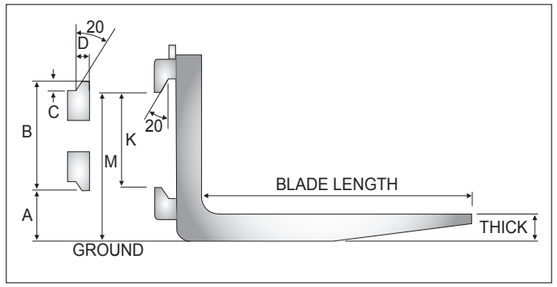
Tapers



Standard Taper ☐ | Full Taper & Polish ☐ | Full Bottom Taper & Polish ☐ | Two Stage Taper &Polish ☐

1.3 Fork Datas and Order Sheets

1.3.1 I.T.A/FEM/ISO FORKS DATA



ISO Standard	FORKS(mm)		CARRIAGE(mm)			
Class A ,B	M	K	A	B	C	D
I	394/432	306	76/114	331	13	16
II	470 /546	382	76/152	407	13	16
III	568/695	477	76/203	508	16	21.5
IV	743/870	598	127/254	635	19	25.5
V	830/960	680	127/257	728	25	34

Data Sheets

Metric Market		
Model	Cross Section(mm)	Capacity*Load Center(kg/mm)
2A	80×40	1000*500
2A	100×30	750*500
2A	100×35	1000*500
2A	100×40	1250*500
2A	100×45	1500*500
2A	100×50	1650*500
2A	120×35	1000*500
2A	120×40	1500*500
3A	120×45	1500*500
3A	120×50	2450*500
3A	125×40	1500*500
3A	125×45	2000*500
3A	125×50	2500*500
3A	130×40	1500*500
3A	130×45	2000*500
3A	130×60	3000*500
3A	140×50	2700*500
4A	150×50	2500*600
4A	150×60	3500*600
4A	150×65	4000*600
4A	150×70	4500*600
4A	150×75	5000*600

Inch Market		
Thickness x Width (inch)	Metric Size(mm)	Capacity*Load Center (kg*mm)
1 1/2 x 3	80 x 40	850*600
1 3/8 x 4	100 x 35	850*600
1 1/2 x 4	100 x 40	1150*600
1 3/4 x 4	100 x 45	1400*600
2 x 4	100 x 50	1750*600
1 1/2 x 5	125 x 40	1400*600
1 3/4 x 5	125 x 45	1750*600
2 x 5	125 x 50	2150*600
2 x 6	150 x 50	2600*600
2 1/4 x 6	150 x 60	3750*600
2 1/2 x 6	150 x 65	4400*600
2 3/4 x 6	150 x 70	5100*600
3 x 6	150 x 75	5850*600
2 3/4 x 8	200 x 70	4530*900
3 1/2 x 8	200 x 90	7500*900
4 x 10	250 x 100	8675*1200
4 x 12	300 x 100	10425*1200
5 x 12	300 x 125	13575*1200
6 x 12	300 x 150	23425*1200

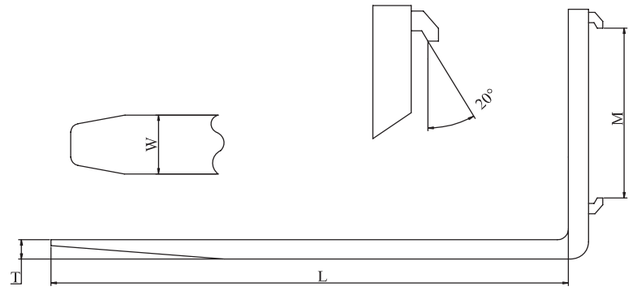
1. Only popular cross sections are listed above.We can produce up to 320mmx140mm!
2. The max. length we make is 3800mm and max. back height is 1400mm.
3. **Steel Certificated as:**
   40Cr -- C%: 0.37-0.44; Si%: 0.17-0.37; Mn%: 0.5-0.80; Cr%: 0.80-1.1
   MECHANICAL SPECIFICATIONS:
   Tensile Strength: 935MPA/MM Reduction of Area R/A: 51%
   Yield Strength: 805MPA/MM Impact Energy: 27J (-20℃-V)
   Surface Hardness: 280-360HB Elongation: 12%
4. Mounting dimensions are conformed to ISO2328.
5. All forks above comply with a minimum safety factor of 3:1.

1.3.2 Order Request Sheets

ISO / FEM / I.T.A Hook Forks.

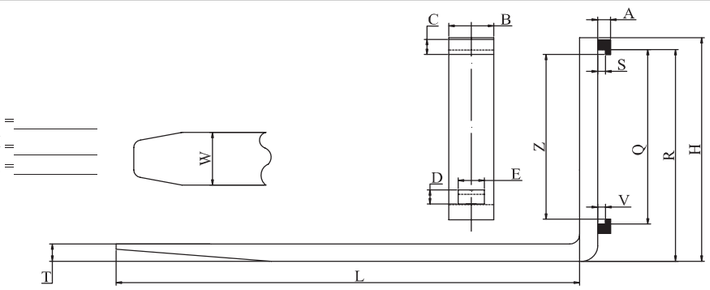
Distance Between Hooks	Mounting Class	Carriage Height	Check Your Choice
M 306	I	331	☐
M 382	II	407	☐
M 477	III	508	☐
M 598	IV	635	☐

T-------Thickness
W------Width
L-------Length



Square Hook Forks

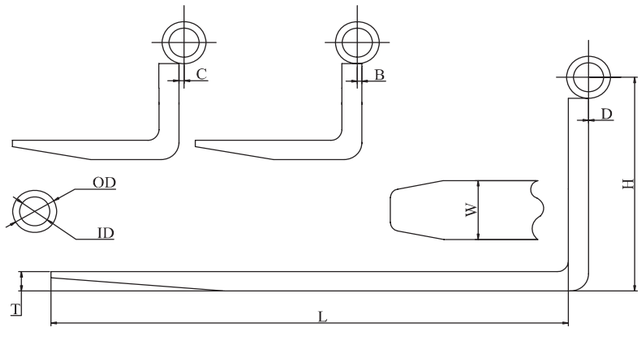
Q =_____ A =_____ L =_____
R =_____ B =_____ H =_____
S =_____ C =_____ Z =_____
V =_____ D =_____
T =_____ E =_____
W=_____



Pin Type Forks.

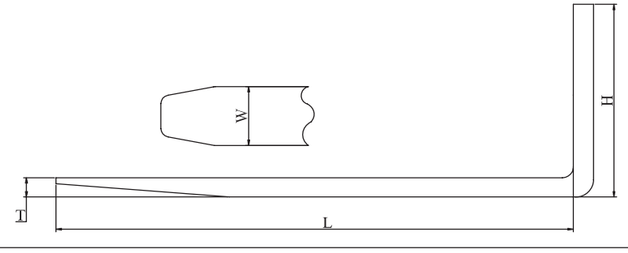
H =_____to the Center of Tube
B =_____Inset
C =_____Offset Choose One Style Only
D =_____Inline
T =_____Thickness
W=_____Width
L =_____Length
OD=_____Outside Diameter
ID =_____Inside Diameter
SD =_____Pin Diameter Carriage

Note: Please indicate if locking slot or lubrication hole on the tube is requested.

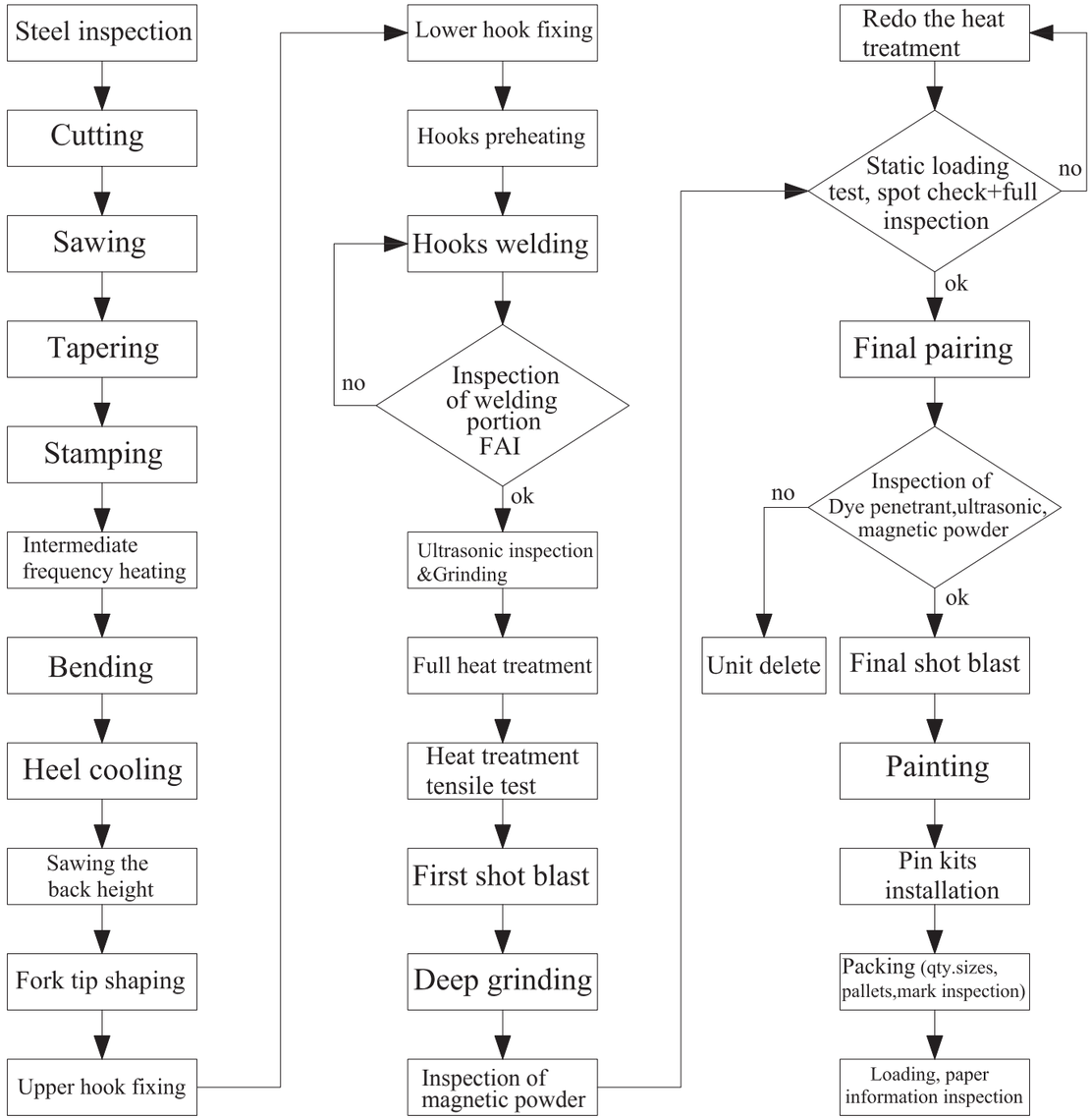


Blank Forks.

T =_____Thickness
W=_____Width
H =_____ Height
L =_____Length

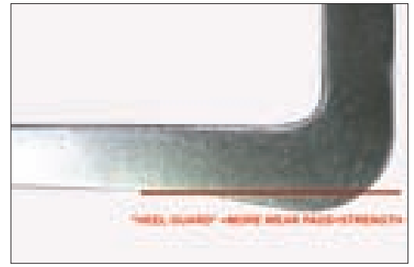


1.3.3 FORK ARMS FLOW CHART



Unique Advantages:

1. **Robotic Welding**
   - to ensure more stable and safer welding quality.
2. **Heel-Guard®** Design
   - to double the forks' life!
3. **Preheating Control**
   - infrared thermometer warning.



Super Quality Control:

QC1 **Special Two-step Shot Blast** provides better surface and good finish!

QC2 **Clear Stamping** at the shank side with Production date,Series No. and Batch No.

QC3 **Special treatment at the Inside heel** removes the possible edges or other imperfections.

QC4 **Pairing tolerance** -strictly conforms to ISO2328, ISO2330

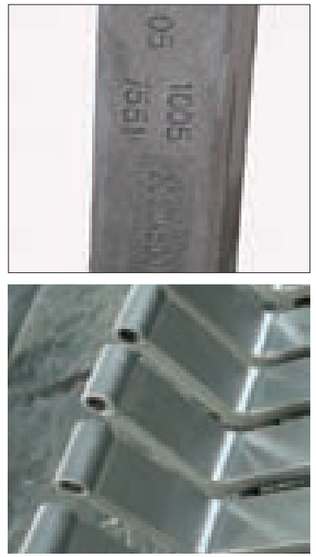
QC5 **Dye Penetrant Test at the heel** to guarantee no Visual Crack

QC6 **Magnetic Particle Inspection** to ensure no Visual Crack

QC7 **Weld Ultrasonic Test** to guarantee no Internal Crack

QC8 **Application Test** to guarantee 3times safety factor!

QC9 **Steel Analyzing** to guarantee the correct steel



RP PARTS

PART II

ATTACHMENTS

ATTACHMENTS

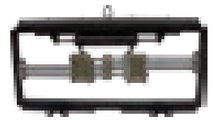
2.1 General Introduction on ATTACHMENTS

During the past 6 years, the field of materials handling had developed into a highly sophisticated and important part of industry. As one of the main manufacturers in lift truck attachments, forks and accessories, We played an importantpart in this growth and development.

A variety of products that enable the conventional lift truck to become a more versatile and efficient materials handling tool. These products enable a lift truck to pull, push, clamp, lift, sideshift and rotate practically any unit load imaginable.

Sideshifters

Shift a load from side to side to reduce handling time and improve maneuverability. All sideshifters are now revolutionary ready, meaning that with just nine bolts and a low cost, easy to install kit, you're minutes away from converting your sideshifter to a fork positioner.



Fork positioners

Fast and accurate fork positioning without leaving the driver's seat allows faster load handling with reduced product damage. A fork positioner improves operator safety, increases productivity and helps reduce damage.

Rotators

Add 360 revolving motion, in both directions, to truck forks. Used in food processing and manufacturing for loads inverting and dumping.

Paper roll clamps

Meeting the paper roll industry's need for damage free roll handling with maximum efficiency, We offer a full line of paper roll clamps and roll clamp damage reduction options to handling paper rolls regardless of diameter, weight or type of paper.

Fork Clamps

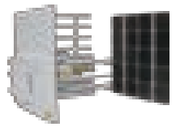
Operate both as a clamp and a fork positioner. Awkward loads, such as crates, bales & tires can be clamped between the forks. The ability to position the forks speeds pallet handling and reduces wear and tear on the pallets.

Bale Clamps

Palletless handling of nearly any type of baled product such as cotton, wool, synthetic textile bales, corrugated, newsprint, rag, hay and metal scrap bales translates into savings in time and storage costs.

Block Clamp

Can efficiently handle various types of solid, regular cubic goods under normal temperature. Widely used in construction material,metallurgy industies for handling concrete blocks,cement bricks,carbon cubes,etc.The high structural strength and durability ensure the safe,productive application and long service life.



Carton clamps

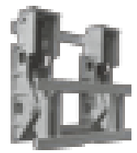
Designed for the warehousing, beverage, appliance and electronics industries, carton clamps allow palletless handling, and save money on pallet purchasing, maintenance, shipping and storage. Also improve warehouse space utilization.

Single-double pallet handler

Allows driver to use the same lift truck to handle either single or double pallet loads. Spreading the four forks allows handling of two pallets aide by side. When brought together, the four forks convert to two forks ready for single pallet handling. Well suited for truck trailer loading and unloading. Also available are single-double-triple pallet handlers, long forks, and high-capacity models.

Push/pulls

Allow you to ship, receive and warehouse unit loads on inexpensive slip sheets rather than pallets. Products typically handled with a push/pull include bagged products such as seed, agricultural products and cement; cased food, electronics, cosmetics and bottled beverages.



Hinge Forks or Bucket

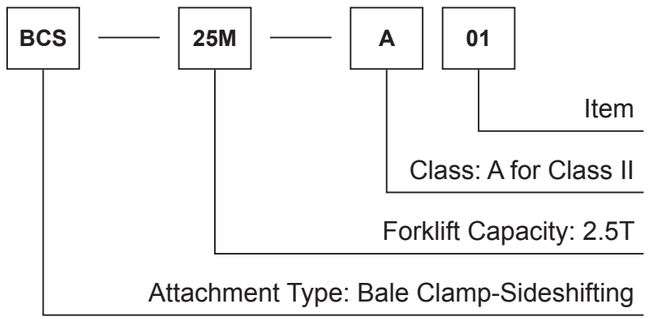
Designed for high efficient loading/unloading those bulk cargos.

Load Stabilizers

Designed for transporting unstable loads such as soft drinks,malted beverages, bottled water and empty containers, Load Stabilizers allow faster operating speeds and more efficient handling procedures by securing the palletized load. They are particularly valuable in outdoor operations and facilities with rough floors. and are available with a wide range of pad sizes, arm configurations and backrest styles.

2.2 Basic Guides on Attachments

2.2.1 Model Explanation



VANGUARD PRODUCT CODE

SS - Sideshifter
FPS - Fork Positioner-Sideshifting
RT - Rotator
RCF - Paper Roll Clamp-Fixed
RCA - Paper Roll Clamp-Adjustable
FCR - Fork Clamp-Rotating
BCS - Bale Clamp-Sideshifting
BCR - Bale Clamp-Revolving
BLC - Brick-Block Clamp
MHF - Hinged Fork
DCS - Drum Clamp-Sideshifting
DCR - Drum Clamp-Revolving
MLS - Load Stabilizer
FCS - Furriery Clamp-Sideshifting

For example:
BCS - 25M-A01
BCS - Attachment Type:Bale Clamp-Sideshifting
25M - Forklift Capacity: 2.5T
A: Class: A for Class II, B for Class III, C for Class IV, D for Class V
01 - Item

2.2.2 Classification and Application Table

1 Classification of Attachments

Paper Roll Clamp	Swing Frame	Positioned Short Arm
	Fixed Frame	Fixed Short Arm
		Positioned Short Arm
General Attachments	Non-Sideshifting Sideshifting Revolving	Bale Clamp Carton Clamp Drum Clamp Fork Clamp Brick-Block Clamp
Rotator		
Pallet Handling Attachments	sideshifter	
	integral sideshifter	
	fork positioner	
	single-double pallet handler	
	load stabilizer	
Palletless Handling Attachments	Push/Pull	
	Carton Clamp	

Table 2 Application of Attachments

	Warehousing	Paper & Package	Harbor, Port	Electronic industry	Steel industry	Beverage industry	Chemical Industry	Textile Industry	Construction Industry	Tobacco Industry
Paper Roll Clamp	★	★	★						★	★
Bale Clamp	★	★	★				★	★		★
Pulp Bale Clamp	★	★	★							
Push/Pull	★		★	★		★	★		★	★
Sideshifter	★		★		★				★	
Fork clamp	★		★					★	★	
Fork positioner	★		★		★				★	
Load stabilizer	★					★				
Single double pallet handler	★					★				
Carton clamp	★			★						★
Rotator	★				★		★			
Drum clamp	★						★			
Tire clamp	★						★		★	
Brick Block clamp	★								★	

2.2.3 Fork-lift trucks - Hook on type fork arms and fork arm Carriages - mounting dimensions

1. scope

This International Standard specifies the dimensions of, and additional requirements for, fork carriers and Hook-on type fork arms. To permit the interchangeability of these fork arms and/or other attachments, relative to the truck -rated capacity and fork arm type. On fork-lift trucks up to and including a rated capacity or 10 999KG.

2. Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies .For undated references, the latest edition of the referenced document (including any amendments)applies.

ISO 2331, Fork lift trucks - Hook-on type fork arms-Vocabulary

ISO3691-1, industrial trucks - Safely requirements and verification--Part1:Self-propelled industrial trucks, Other than driverless trucks. variable-reach trucks and burden-carrier trucks

3. Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 2331 and ISO 3691-1 apply

4. Requirements

a. dimensions

The mounting dimensions of the fork arms and fork carrier to type A (short drop) and type B (long drop) fork arms (the position of the lower hook determining the type of fork arm) shall be in accordance with figures 1, 2 and 3 and tables 1 and 2. The fork arm removal/mounting slot on the lower fork carrier is optional and shall be in accordance with 4, 3. Fork arm location slots to the dimensions specified in Table 2 shall be provided at a suitable spacing on the fork carrier. In order to locate attachments, one slot shall be situated on the top edge of the fork carrier centerline. However, when an offset lower slot is provided to avoid unintentional disengagement, then the lower slot shall be offset from the fork carrier centerline by dimension w (see Figure); this slot shall be 3 mm deeper than K2 (see Figure 3),to facilitate the attachment and fork arm mounting.

b. Stops

Stops shall be provided in order to prevent lateral disengagement of the fork arms form the extremities of the Fork carrier. If these stops are not permanent. I.e. Welded. Then the instruction handbook shall contain warnings that the truck is not to be used if the stops are not correctly in place.

c . Slot on the lower carriage

If a fork arm removal/mounting slot is provided in the lower edge of the fork carrier, it shall be positioned as shown in Figure 3, that shown in the detailed view X-X being optional. If the positioning of the slots in the upper and lower fork carrier could enable the fork arm or attachment to become inadvertently disengaged from the carrier, then other means (e.g. Mechanical) shall be provided to prevent this from occurring. Where the exclusive means of preventing unintentional fork arm disengagement is by an offset lower slot, then the instruction handbook shall contain the following warning notice.

Key

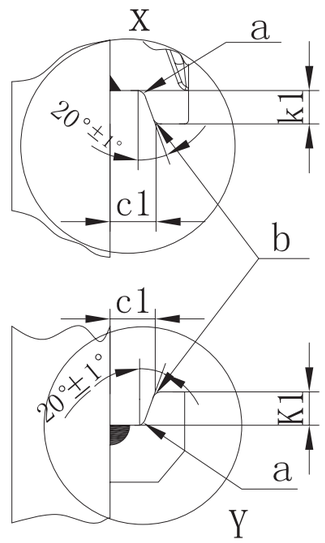
X. detail of upper hook

Y. detail of lower hook

Note: For the values of the dimensions, see Table 1.

a. Upper and lower fork hooks may be rounded or chamfered for clearance(see table 1).

b. Maximum radius 1,0mm.



Key

A. carriage centreline

B. Slot on right side when looking at front face of the fork arm carrier

C. Hook-on type fork arm carrier

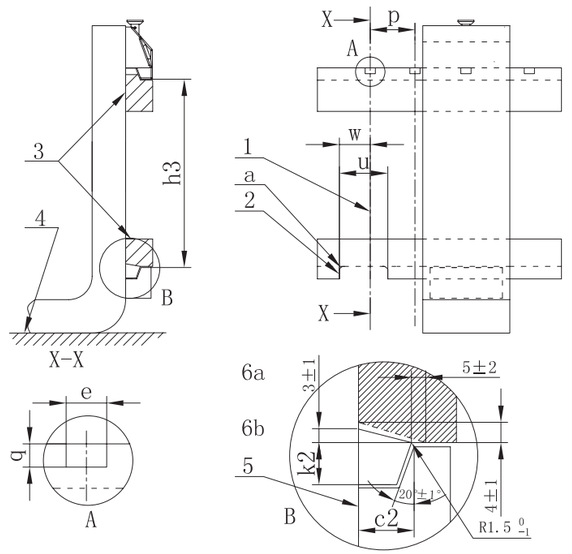
D. Bottom of fork arm (ground level)

E. Lower hook of fork arm or attachment lug

6a optional front square out-ort for ease of attachment mounting

NOTE: For the values of the dimensions see Tables 1 and 2.

WARNING: If the fork/locking pin is not fully engaged, the fork could become unintentionally disengaged.



Key

1. Carriage centreline
2. Upper hook
3. Fork carrier
4. Lower hook

NOTE 1: For the values of the dimensions,see tables 1 and 2.

NOTE 2: h1 and h2 are fork arm dimensions, a and b are fork carrier dimensions.

Figure 1-Hook-on type fork arm mounted on fork carrier

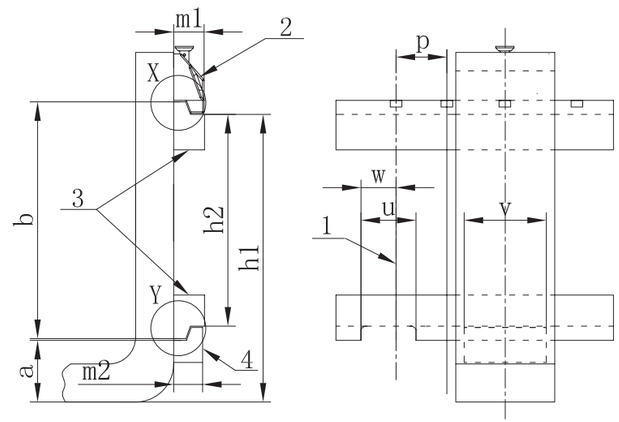


Table 1 Mounting Dimensions of hook-on type Fork Arms Dimension in millimeters

Truck Rated apacity		Fork Arm Type	a Ref.	C1	h1	h2	tol	m1 max	m2 max	K1 min	lower hook V Max.
Class	Kg/mm										
1	Up to 999 400 and 600a	A	76	16.5	394	306	+1.0	28	26	14	90
		B	114		432						
2	1000-2500 500 and 600b	A	76	16.5	470	382		31	29	14	90
		B	152		546						
3	2501-4999 500 and 600b	A	76	22	568	477	+1.5	40	38	17	115
		B	203		695						
4	5000-8000 600	A	127	26	743	598		47	45	20	139
		B	254		870						
5	8001-10999 600	A	127	35	830	680		65	63	26	164
		B	257		960						

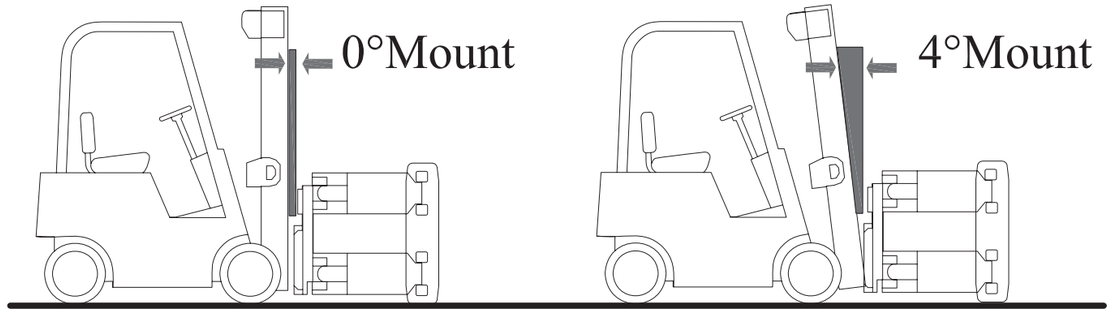
a 600 mm is used in the USA

b 600 mm is used in the USA, Asia and Australia

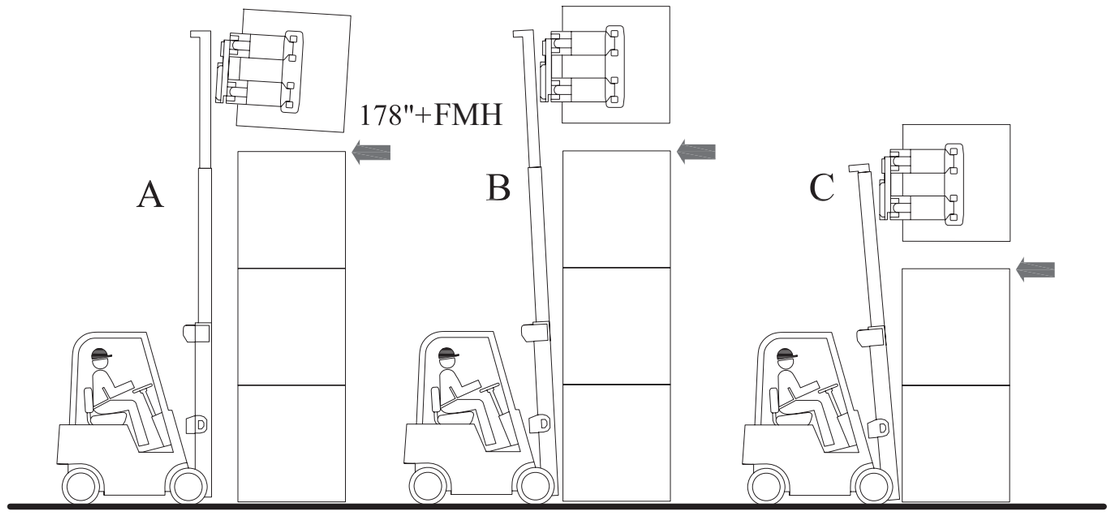
Table 2 Mounting dimension of fork carriers Dimensions in millimeters

Truck Rated Capacity At rated distance Of Centre load		Fork Arm Type	aRef.	C2 -1.0	B Ref.	e ±0.8	h3		K2 -1.5	Q min	Lower slot±2.0	Slot offset from±1.5	P max
Class	Kg/mm						value	tol					
1	Up to 999 400 and 600a	A	76	16.5	394	16	305	0-1	13	8	95	13	160
		B	114		432								
2	1000-2500 500 and 600b	A	76	16.5	470	16	381		13	8	95	13	160
		B	152		546								
3	2501-4999 500 and 600b	A	76	22	568	19	476	0-1.5	16	10	120	20	160
		B	203		695								
4	5000-8000 600	A	127	26	743	19	597		19	12	145	27.5	160
		B	254		870								
5	8001-10999 600	A	127	35	830	25	678		25	16	171	30	160
		B	257		960								
The centre slot shall be 3mm deeper to facilitate attachment and fork arm mounting													

2.2.4 0°—4°Mounting



Expanded line roll clamps have 360° rotators with top-mounted hydraulic motors requiring approximately 1-1/2 inches more space at the top of the rotator than at the bottom. To take advantage of this space at the bottom and gain greater capacity, the unit is mounted with a 4° forward tilt angle in relation to the carriage(Sketch A). to pick up and vertically stack rolls, the upright must be tilted back 4°. This does have a disadvantage. At heights of 178 inches or higher, the bottom of the back-tilted upright will run into the stacked rolls before the load can be correctly deposited(Sketch B). At height 130 inches or above the rotator must be supplied with a spacer at the bottom hanger to give 0° tilt. Some capacity is lost due to the additional lost load of the attachment (Sketch C).



Truck at 0° forward tilt. Attachment with 4° tilt mfg. note load angle.

Truck at 4° back tilt. Attachment with 4° tilt mfg. load is level for deposit but cannot get close enough for deposit.

Truck at 0° forward tilt. Attachment with 0° tilt mfg. load is level and can be easily deposited.

2.2.5 Forklift Mounting Height

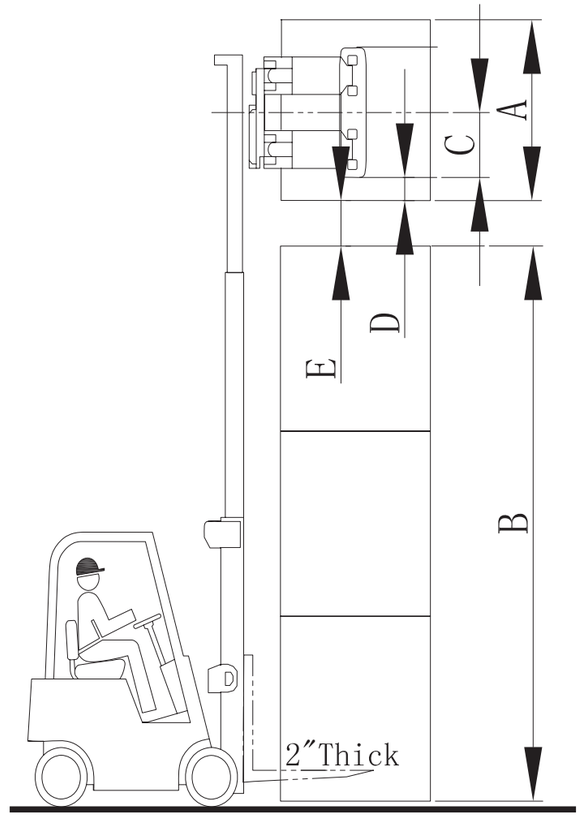
In order to determine the proper upright FMH needed you should use one of the formulas listed under condition #1 or condition #2. This is necessary because standard FMH is measured to the top of the forks and the centerline of a roll clamp is higher than the top of the forks. Rolls should be clamped in the center, whenever possible for good balance, and always for rotation (condition #1). If a roll is not going to be rotated it is sometimes possible to gain a few inches of FMH in order to stack high rolls. This is done by gripping the bottom of the roll and carefully lifting in a vertical position (condition #2).

Required FMH(Clamp all rolls in center of roll)

1. Determine number of rolls to be stacked in a single column (Example: 4 rolls high), and deduct one roll(A) and determine dimension from floor to top of rolls(B)
2. Find the clamp centerline of rotation© on roll clamp specification sheet(or use half of the pad height).
3. Deduct centerline distance© from half of a roll width (A) to get dimension.
4. Add dimension(D) to dimension(B)
5. Add 4”-6” clearance(E) to stack last roll
6. Add fork thickness(F) to convert from lift to real FMH

B+D+E+F=FMH

7. Select the nearest upright to the minimum



FMH

Dim. A. Roll width =60 inch
Dim. B. Roll column =180 inch
Dim. C. Centerline of clamp rotation=19inch
Dim. D. Exposed portion of roll =11inch
Dim. E. Stacking clearance =6inch
Dim. F. Std truck fork thickness =2 inch
180inch(B Dim.)+ 11inch(D Dim)+6inch(E Dim.)+2inch(F Dim.)= 199FMH
Note: select nearest upright which will provide required lift.

Condition 2

Clamp highest rill to be stacked at the bottom of roll
NOTE: Roll should not be rotated in this clamping position.
To determine FMH required, find the total height of the stack of rolls:

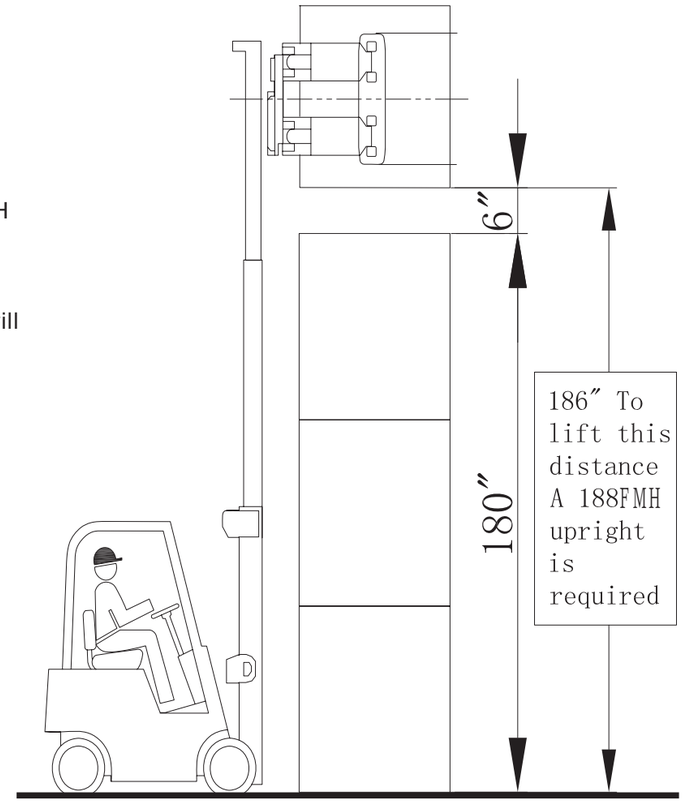
A. Deduct one roll width

B. Add 4 inch to 6 inch clearance

C. Example:

Stacking 60 inch wide rolls four high.
Total height of stack =240 inch
240 inch less 60 inch =180 inch
180 inch plus 6 inch =186 inch
186 inch plus fork thickness= 188inch FMH

NOTE: select nearest upright which will provide required lift.



2.2.6 Forklift/Attachment comprehensive capacity calculation

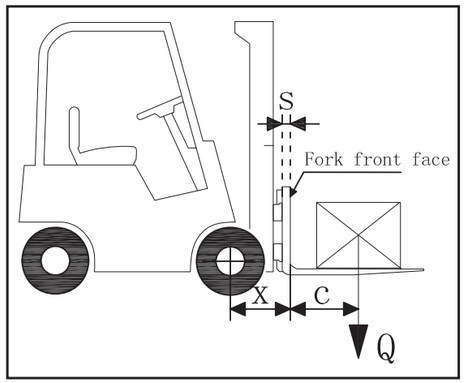
Comprehensive carrying capacity is an important element when selecting a suitable model of attachments. The comprehensive carrying capacity will be reduced due to the following two factors after installing the attachment:

1. The torque of attachment service weight counteracts portion of the forklift torque.
2. The thickness of the attachment carriage structure moves the load center forward.

The following formula is to calculate the comprehensive lifting capacity, ie. the maximum lifting capacity, for reference only:

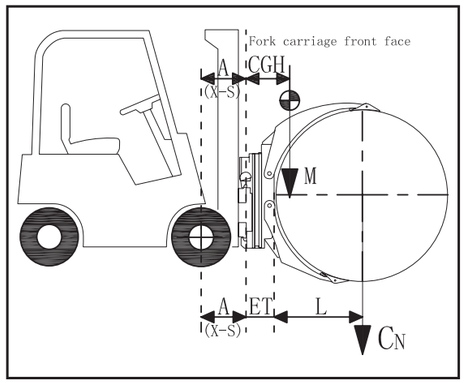
Forklift Parameter:

Q: Forklift nominal capacity(kg)
(remarks: the forklift nominal capacity is related to the maximum lifting height)
X: Distance from front axle center to fork front face (mm)
C: Load center distance from fork front face (mm)
S: Fork thickness (mm)



Attachment Parameter:

M: Attachment service weight (kg)
A: Distance from front axle center to fork carriage front face (mm)
A=X-S
CGH: Fork carriage front face to attachment gravity center (mm)
ET: Distance from Fork carriage front face to load rear face (mm)
L: Distance from load rear face to load center (mm)



Comprehensive Carrying Capacity:

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

For example:

Q=3000kg X=450mm C=500mm S=50mm
M=700kg A=400mm CGH=250mm ET=180mm L=500mm

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

$$= \frac{3000(450+500)-700(400+250)}{400+180+500}$$

=2217kg

Remarks: Please get the accurate comprehensive forklift/attachment carrying capacity from the forklift manufacturer.

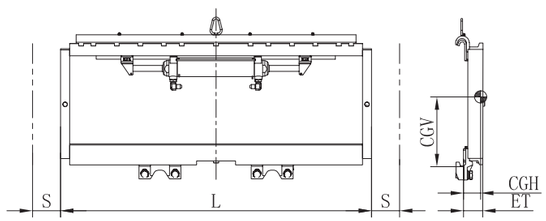
2.3 Attachment Brochure and Order Sheets

2.3.1 Sideshifter

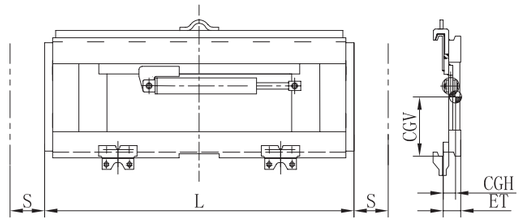
Hang-On Sideshifter

Integral Sideshifter

Capacity@ Load Center	Model	class	Sideshifting (S)	Carriage Width	CGV	CGH	ET	Service Weight
			(mm)	(mm)	(mm)	(mm)	(mm)	(Kg)
2500@600	SS-25M-A001	2	±100	970	230	25	60	52
2500@600	SS-25M-A002	2	±100	1000	230	25	60	54
2500@600	SS-25M-A003	2	±100	1020	230	25	60	55
2500@600	SS-25M-A004	2	±100	1040	230	25	60	56
2500@600	SS-25M-A005	2	±100	1100	230	25	60	59
3500@600	SS-35M-B001	3	±100	1100	300	26	66	73
3500@600	SS-35M-B002	3	±100	1150	300	26	66	75
4500@600	SS-50M-B001	3	±100	1200	300	33	66	93
4500@600	SS-50M-B002	3	±100	1380	300	33	66	100
4500@600	SS-50M-B003	3	±100	1535	300	33	66	110
6800@600	SS-70M-C001	4	±150	1200	442	45	90	258
6800@600	SS-70M-C002	4	±150	1350	442	45	90	285
6800@600	SS-70M-C003	4	±150	1535	442	45	90	325
6800@600	SS-70M-C004	4	±150	1845	442	45	90	395
9500@600	SS-100M-D001	5	±150	1800	500	52	110	560
9500@600	SS-100M-D002	5	±150	2000	500	52	110	595
9500@600	SS-100M-D003	5	±150	2200	500	52	110	630
9500@600	SS-100M-D004	5	±150	2400	500	52	110	670



2A,3A Sideshifter

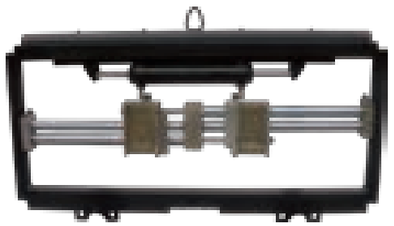


4A,5A Sideshifter

1. Big Range from 1ton to 10ton capacity,800mm to 2400mm width,Class II to Class V.
2. 2A-3A Frame is made of Cold Extrusion Bar to ensure better finish and strength.
3. 30% overload testing with 3 times moving speed to qualify the heavy-duty and impacking ability.
4. 20,000 times shifting test with overload pressure to prove non-leakage sealability.
5. High durability nylon pads with oil nipples and slots offer smooth move and long time use.
6. Very competitive cylinder, seal kits and nylon pads to save much service cost.
7. Frame width available from 800mm-1750mm for 2A, 3A and 2400mm for 4A, 5A!
8. 1 piece of truck auxiliary valve is necessary. 140bar≤ Working Pressure ≤180bar.
9. If not requested, Sideshifters are shipped without the backrest holes.
10. The sideshifter capacity is at 600mm load center.
11. Fitting Screw M14X1.5-74°(concave)(2A,3A),M18X1.5-74°(concave)(4A,5A); Recommended Hydraulic Pipe internal diameter 8mm.

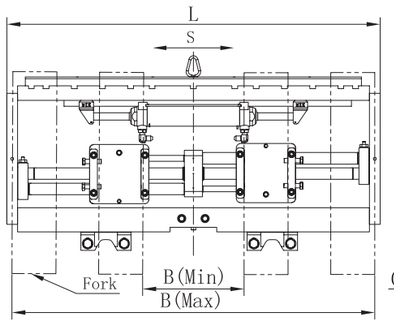
Note:We are not obliged to inform you if there will be any specification change.

2.3.2 Fork Positioner (with Integral Sideshifter)

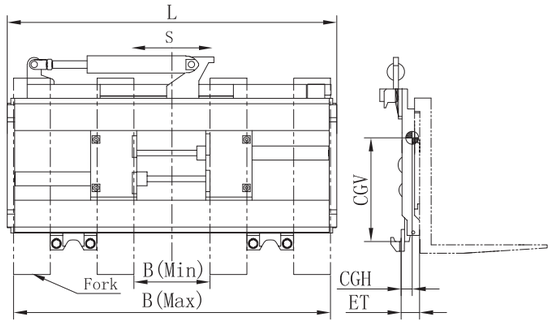


Capacity@Load Center	Model	Class	Carriage Width	Opening Range	Sideshifting(S)	CGV	CGH	ET	Service Weight
			(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(kg)
2500@600	FPS-25M-A001	2	970	100-800	±100	255	35	70	80
2500@600	FPS-25M-A002	2	1040	100-870	±100	255	35	70	85
2500@600	FPS-25M-A003	2	1100	100-930	±100	255	35	70	88
3500@600	FPS-35M-B001	3	1100	100-930	±100	270	40	75	100
3500@600	FPS-35M-B002	3	1150	100-980	±100	270	40	75	103
4500@600	FPS-50M-B001	3	1200	100-1030	±100	270	40	75	120
4500@600	FPS-50M-B002	3	1380	100-1210	±100	270	40	75	130
6800@600	FPS-70M-C001	4	1535	50-1420	±150	382	55	98	350
6800@600	FPS-70M-C002	4	1845	50-1720	±150	382	55	98	410

Note: B(Min)listed above is for 2A 120mm or 3A 150mm fork width.If fork width is changed,B(Min) will be changed accordingly.



2A-3A Sideshifter & Fork Positoner



4A Sideshifter & Fork Positoner

1. 2 pieces of truck auxiliary valves are necessary. 140bar≤Working Pressure≤180bar.
   Note: if ordered with remote control valve, only 1piece of truck auxiliary valve requested!
2. Big Range from 1ton to 10ton capacity,800mm to 2400mm width,Class II to Class V.
3. If not requested, Positioners are shipped without the backrest holes.
4. The Positioner capacity is at 600mm load center.
5. Fitting Screw M14X1.5-74°(concave)(2A,3A), M18X1.5-74°(concave)(4A,5A);
   Recommended Hydraulic Pipe internal diameter 8mm(2A,3A),10mm(4A,5A).

Note: We are not obliged to inform you if there will be any specification change.

ORDER SHEET

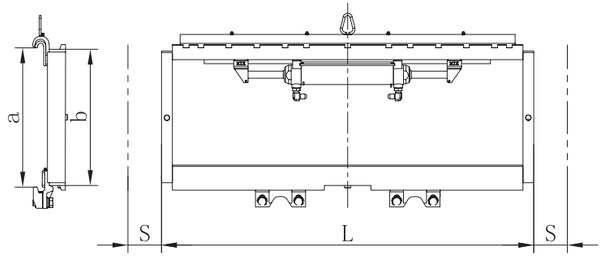
Truck basic Information

Truck Make: _____ Model: _____ Truck Capacity: _____

Mounting Class: _____ Carriage Width: _____ Mast lift height: _____

Load Information

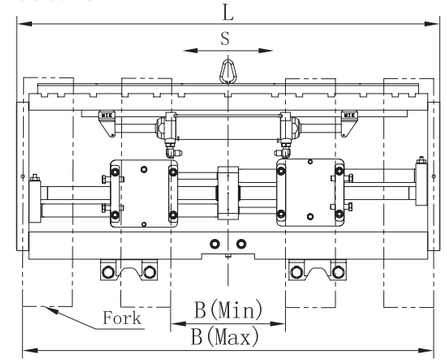
Type A: Sideshifter



☐ Type A

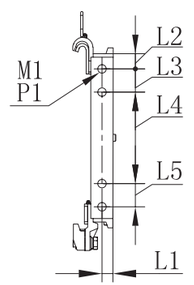
Mounting class :a=_____A ,b=_____A
Load weight=_____Kg
Carriage width L=_____mm
Sideshifting value S=_____ mm

Type B: Fork Positioner

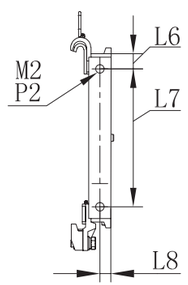


☐ Type B

Mounting class :a =_____A ,b =_____A
Load weight=_____Kg
Carriage width L=_____mm
Fork length: _____mm
B(Min)=_____mm B(Max)=_____mm
Do you need sideshifter Yes□ No□
S=_____mm



☐ Type I



☐ Type II

☐ Type III

Check your Backrest and chose one of the three types of holes layout accordingly.

Type I

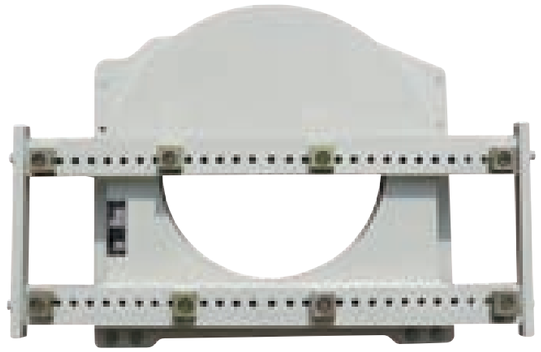
L1=____mm L2=____mm L3=____mm
L4=____mm L5=____mm
M1=____mm P1=____mm

Type II

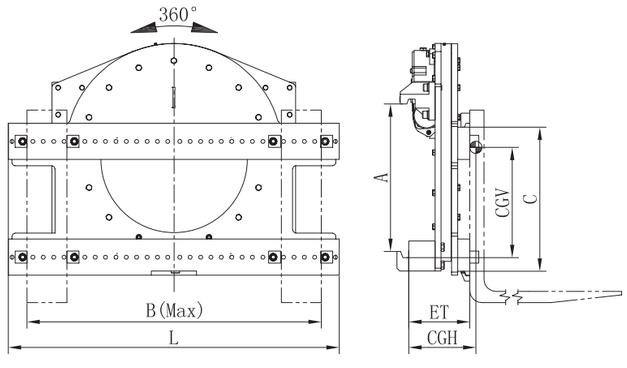
L6=____mm L7=____mm L8=____mm
M2=____mm P2=____mm

Remarks: 1"(inch)=25.4mm; Filling in the blanks can help you get right Attachments.

2.3.3 Rotator 360°



Capacity@Load Center	Model	Class	Carriage Width (B)	Fork Max. Spacing	CGV	CGH	ET	Service Weight
			(mm)	(mm)	(mm)	(mm)	(mm)	(kg)
1600@500	RT-25M-A01	2	970	860	312	65	132	181
1600@500	RT-25M-A02	2	1040	930	310	65	132	290
2500@500	RT-25M-A11	2	1040	930	262	86	170	290
2500@500	RT-25M-A12	2	1100	990	262	90	170	297
3500@500	RT-35M-B01	3	1100	990	285	122	248	310
3500@500	RT-35M-B02	3	1200	1090	285	128	248	317
4500@500	RT-50M-B01	3	1200	1090	285	126	248	320
4500@500	RT-50M-B02	3	1380	1260	285	132	248	337
5400@600	RT-70M-C01	4	1200	1090	372	115	275	570
5400@600	RT-70M-C02	4	1535	1420	372	118	275	615



1. Eaton powerful hydraulic motor.
2. Rotational Torque-Good torque ensures smooth and positive rotation of the load.
3. The drive box and motor are positioned behind the baseplate to provide maximum visibility for forklift driver.
4. Heavy duty gearbox and rotating bearing provide superior service life.
5. 1 piece of truck auxiliary valve is necessary. 140bar≤ Working Pressure ≤180bar.
6. Fitting Screw M18X1.5-74°(concave); Recommended Hydraulic Pipe internal diameter = 10mm(3/8").
7. If not requested,Rotators are shipped without forks!

Note:We are not obliged to inform you if there will be any specification change.

ORDER SHEET

Truck basic Information

Truck Make: _____ Model: _____ Truck Capacity: _____

Mounting Class: _____ Carriage Width: _____ Mast lift height: _____

Load Information

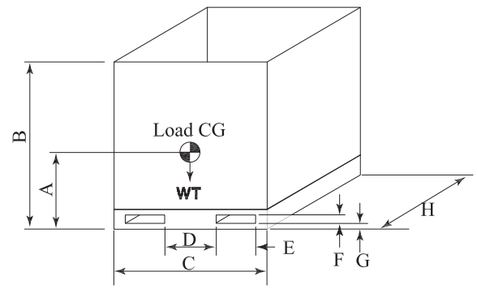
Load type Type I ☐ Type II ☐ (see diagrams below)

Load Specs A= _____ B= _____ C= _____ D= _____

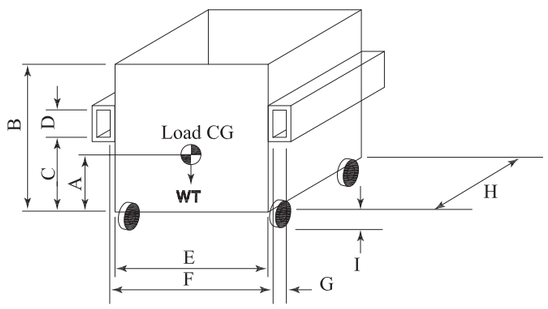
E= _____ F= _____ G= _____ H= _____ I= _____

Load Description (required for bins with a B dimension grater than 48")

Type I



Type II



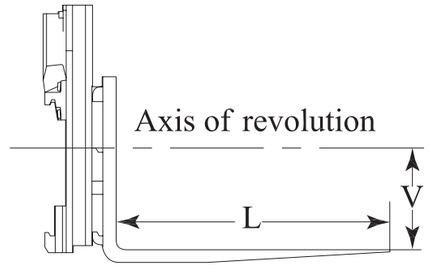
Load Weight

Fork Length L= _____ or specify special size required

Special fork shank height required:

No _____

Yes _____ If yes V= _____



Attachments presently used

Model _____ S/N

Are there any special features required for rotator?

_____

_____

_____

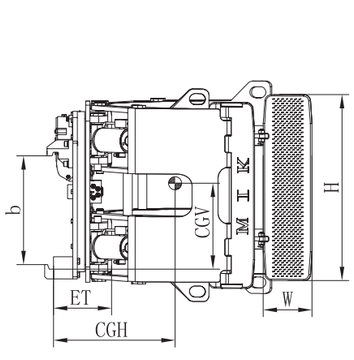
_____

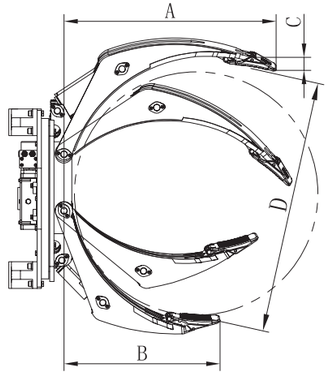
_____

Remarks: 1"(inch)=25.4mm; Filling in the blanks can help you get right Attachments.

2.3.4 Paper Roll Clamp

Capacity	Model	class	Opening Range	Long Arm (A)	Short Arm Length (B)	CGV	CGH	ET	Service Weight
			(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Kg)
1300	RCF-20M-A01	2	330-1150	685	515	330	216	138	345
1200	RCF-20M-A02	2	410-1300	790	580	330	222	138	345
2000	RCA-25M-A/B01	2/3	250-1300	824	570	345	295/330	210/250	730/748
2000	RCF-25M-A/B01	2/3	630-1300	824	570	345	290/325	210/250	720/738
2000	RCA-25M-A/B02	2/3	350-1600	956	774	345	310/320	210/250	838/848
2000	RCF-25M-A/B02	2/3	630-1600	956	774	345	308/318	210/250	826/836
1700	RCF-35M-B01	3	680-1830	1130	930	345	458	210/250	950
1700	RCA-35M-B01	3	380-1830	1130	930	345	460	210/250	965
2700	RCF-50M-B/C01	3/4	520-1300	850	590	445	270/290	210/250	820/840
2700	RCA-50M-B/C01	3/4	250-1300	850	590	445	270/290	210/250	835/855
2700	RCF-50M-B/C02	3/4	560-1520	970	690	445	305/322	210/250	880/900
2700	RCA-50M-B/C02	3/4	255-1520	970	690	445	305/322	210/250	898/918
2300	RCF-50M-B/C03	3/4	680-1830	1125	825	450	352/372	210/250	995/1016
2300	RCA-50M-B/C03	3/4	380-1830	1125	825	450	352/372	210/250	1018/1040





1. Eaton powerful hydraulic motor and Heavy duty gearbox provide superior service life.
2. All clamps are designed for heavy duty even in the toughest environments.
3. All clamps are designed for easy maintenance with less service cost.
4. A variety of contact pads and accessories are available for your different working conditions.
5. 2 pieces of truck auxiliary valves are necessary. 140bar≤ Working Pressure ≤180bar.
6. Fitting Screw M18X1.5-74°(concave); Recommended Hydraulic Pipe internal diameter = 10mm .

Note:We are not obliged to inform you if there will be any specification change.

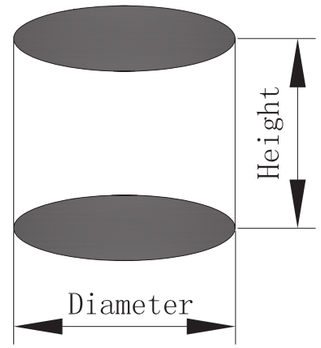
ORDER SHEET

Truck basic Information

Truck Make: _____ Model: _____ Truck Capacity: _____

Mounting Class: _____ Carriage Width: _____ Mast lift height: _____

Load Information



	Min.	Max.
A) Roll Diameter	_____	_____
B) Roll Weight	_____	_____
C) Roll Height/Length	_____	_____
D) Wrapped	_____	_____

Type: Kraft
Stretch Wrapped

E) Type of paper

Newsprint _____		Slik Coated
Kraft _____		Magazine
Liner _____		Recycled Kraft
Bond _____		Wax
Fine _____		Other
Tissue _____		Toweling
Sld. Fibre Rd		

F) Revolving or Non-Revolving

G) Single Roll Handling or Multiple Roll Handling

H) If Multiple Roll Handling

_____ 2-Wide(Two Roll Clamp)
_____ 2-High(Split Roll Clamp)
_____ 2-Wide / 2-High (Four Roll Clamp)

I) Handling Sequence:(Circle Appropriate Use)

Boxcar Trailer Warehouse Feed Machine Stevedoring Barge

J) Truck Capacity, Model, Mast Height, Number of Auxiliary Functions, and Accessories:

K) Attachments presently used:

_____

_____

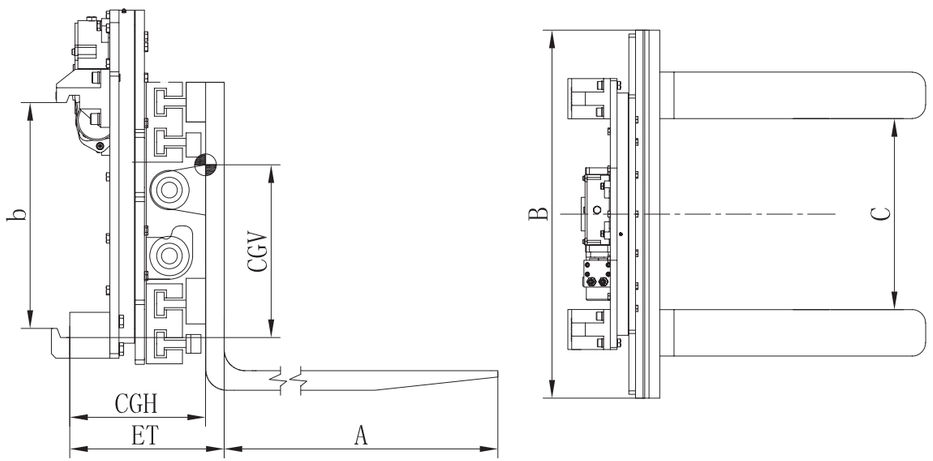
_____

_____

Remarks: 1"(inch)=25.4mm; Filling in the blanks can help you get right Attachments.

2.3.5 Fork Clamp

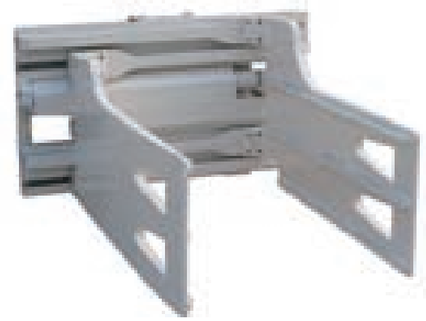
Revolving type									
Capacity@ Load Center	Model	Class	Opening Range	Fork Length A	Frame Width (B)	CGV	CGH	ET	Service Weight
			(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(kg)
1600@600	FCR-25M-A01	2	410-1660	1070	940	275	212	280	585
1600@600	FCR-25M-A02	2	410-1660	1200	940	265	230	280	600
2300@610	FCR-35M-B01	3	465-1800	1070	1015	270	258	345	696
2300@610	FCR-35M-B02	3	465-1800	1220	1015	265	266	345	705
4000@600	FCR-50M-C01	4	470-1960	1200	1300	362	248	320	1150



1. Proven and well designed arms and T-shape arm bars ensure smooth moving and good durability.
2. Revolving and sideshifting function available for different application.
3. Superior slide bearing promises extended service life.
4. Bolt on or Welding type rolled bar forks to ensure stable performance.
5. Regenerative hydraulic valve for optimal arm speed.
6. 2 pieces of truck auxiliary valves are necessary. 140bar≤ Working Pressure ≤180bar.
7. Fitting Screw M18X1.5-74°(concave); Recommended Hydraulic Pipe internal diameter = 10mm
8. Special arm sizes are available!

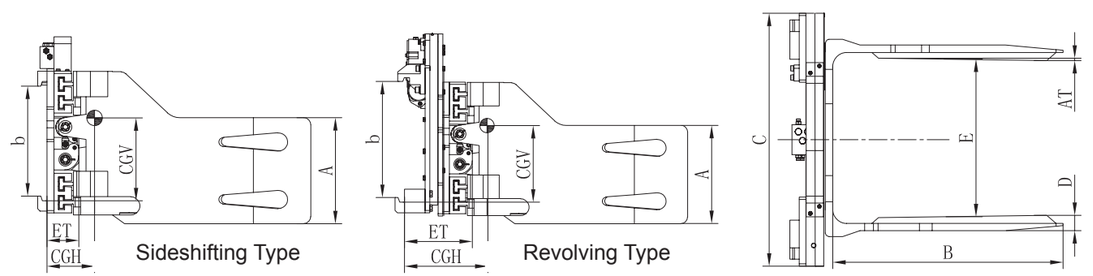
Note:We are not obliged to inform you if there will be any specification change.

2.3.6 Bale Clamp



Sideshifting type											
Capacity@ Load Center	Model	Opening Range	class	Arm Height (A)	Arm Length (B)	Arm Thickness (D)	Frame Width (C)	CGV	CGH	ET	Service Weight
		(mm)		(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Kg)
1900@500	BCS-25M-A01	450-1730	2	440	1100	65	1100	218	315	137	440
2700@500	BCS-35M-A00	560-1900	2	460	1000	70	1100	252	320	142	520
2700@500	BCS-35M-A01	560-1900	2	460	1100	70	1100	252	325	142	560
2700@500	BCS-35M-B01	560-1900	3	460	1100	70	1100	252	325	142	575
2700@500	BCS-35M-B02	560-1900	3	460	1200	70	1100	252	400	142	598
2700@500	BCS-35M-B11	490-2300	3	460	1100	70	1600	252	230	142	625
2700@500	BCS-35M-B12	490-2300	3	460	1200	70	1600	252	248	142	732
2700@500	BCS-35M-B21	575-2150	3	460	1100	70	1300	252	315	142	575
2700@500	BCS-35M-B22	575-2150	3	460	1200	70	1300	252	380	142	628
3200@600	BCS-50M-B01	600-1900	3	455	1100	75	1100	275	290	157	650
3200@600	BCS-50M-B02	600-1900	3	455	1200	75	1100	275	345	157	675
3200@600	BCS-50M-B03	600-1900	3	455	1300	75	1100	275	362	157	690
3200@600	BCS-50M-B11	600-2200	3	455	1100	75	1300	300	275	157	710
3200@600	BCS-50M-B12	600-2200	3	455	1200	75	1300	300	330	157	735
3200@600	BCS-50M-B23	700-2300	3	455	1300	75	1300	350	270	157	750

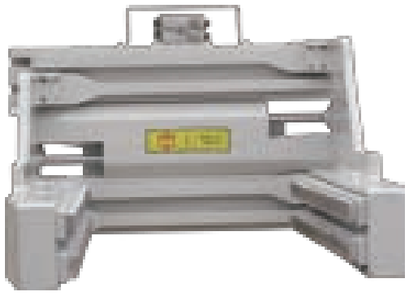
Revolving type											
1900@500	BCR-25M-A02	450-1730	2	415	1200	70	1040	335	352	218	678
2700@500	BCR-35M-A02	560-1900	2	450	1200	70	1015	335	392	226	878
2700@500	BCR-35M-B02	560-1900	3	450	1200	70	1015	335	386	265	886

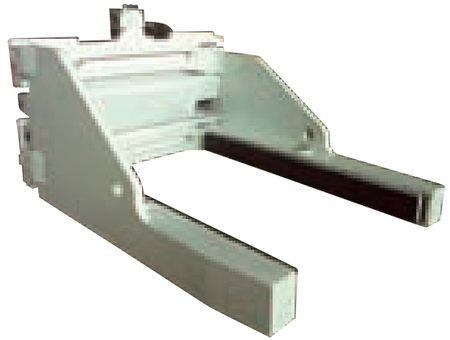


1. Proven and well designed arms and T-shape arm bars ensure smooth moving and good durability.
2. Special designed check valve provide sideshifting without the third cylinder.
3. Low profile frame for visibility over the clamp.
4. Thin but strong arm profiles guarantee a superior handling in between tightly spaced loads.
5. Regenerative hydraulic valve for optimal arm speed.
6. 2 pieces of truck auxiliary valves are necessary. 140bar≤ Working Pressure ≤180bar.
7. Fitting Screw M18X1.5-74°(concave); Recommended Hydraulic Pipe internal diameter = 10mm .
8. Revolving models,non-sideshifting models,different application arms are available.

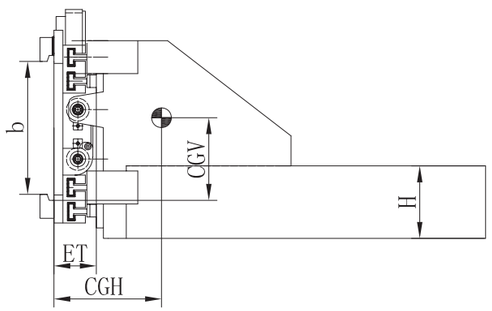
Note:We are not obliged to inform you if there will be any specification change.

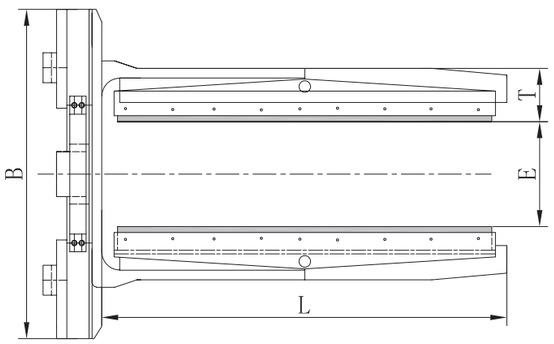
2.3.7 Brick-Block Clamp





Capacity@Load Center	Model	Class	Opening Range	Arm Length (L)	Arm Height	Arm Thickness (T)	Frame Width (B)	CGV	CGH	ET	Service Weight
			F(mm)	(mm)	H(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(kg)
2500@500	BLC-25M-A00	2	330-1650	1000	240	190	1100	220	216	145	790
2500@500	BLC-25M-A10	2	330-1650	1000	128	190	1100	220	216	145	690
2500@500	BLC-25M-A01	2	330-1650	1100	240	190	1100	220	220	145	800
2500@500	BLC-25M-A11	2	330-1650	1100	128	190	1100	220	220	145	700
2700@500	BLC-35M-B00	3	330-1650	1000	240	190	1100	220	216	145	790
2700@500	BLC-35M-B10	3	330-1650	1000	128	190	1100	220	216	145	690
2700@500	BLC-35M-B01	3	330-1650	1100	240	190	1100	220	220	145	800
2700@500	BLC-35M-B11	3	330-1650	1100	128	190	1100	220	220	145	700
2700@500	BLC-35M-B02	3	330-1650	1200	240	190	1100	220	240	145	820
2700@500	BLC-35M-B12	3	330-1650	1200	128	190	1100	220	240	145	720
2700@500	BLC-35M-B03	3	330-1650	1300	240	190	1100	220	250	145	850
2700@500	BLC-35M-B04	3	330-1650	1400	240	190	1100	220	270	145	870
2700@500	BLC-35M-B23	3	700-2000	1300	240	190	1300	220	250	145	870
2700@500	BLC-35M-B24	3	700-2000	1400	240	190	1300	220	270	145	900

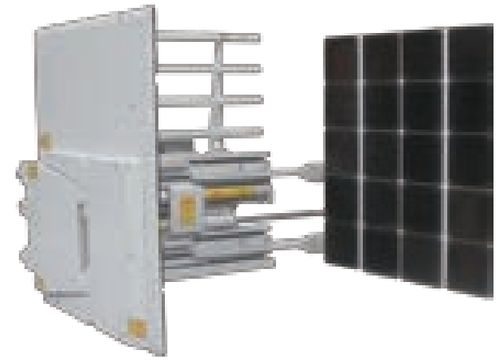




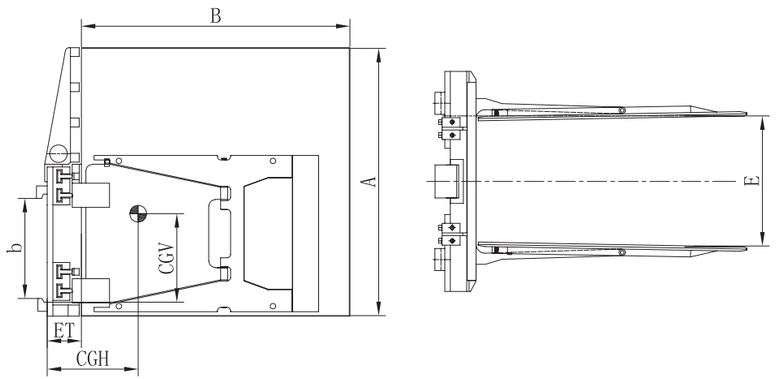
1. Proven and well designed arms and T-shape arm bars ensure smooth moving and good durability.
2. Special designed check valve provide sideshifting without the third cylinder.
3. Low profile frame for good visibility over the clamp.
4. Superior slide bearing promises extended service life.
5. High quality PU/Nylon contact pads to ensure reliable clamping.
6. Regenerative hydraulic valve for optimal arm speed.
7. 2 pieces of truck auxiliary valves are necessary. 140bar≤ Working Pressure ≤180bar.
8. Fitting Screw M18X1.5-74°(concave); Recommended Hydraulic Pipe internal diameter = 10mm .

Note:We are not obliged to inform you if there will be any specification change.

2.3.8 Carton Clamp



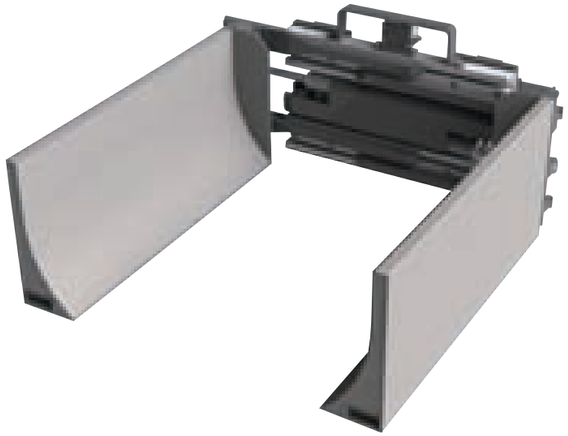
Capacity@Load Center	Model	Opening Range	Class	Arm Height (A)	Arm Length (B)	CGV	CGH	ET	Service Weight
		(mm)		(mm)	(mm)	(mm)	(mm)	(mm)	(kg)
1600@535	MCC-25M-A01	560-1930	2	1220	1070	326	420	132	640
1600@535	MCC-25M-A02	560-1930	2	1220	1170	326	428	132	640
1600@610	MCC-25M-A03	560-1930	2	1220	1220	326	448	132	696
1500@660	MCC-25M-A04	560-1930	2	1220	1320	326	475	132	750
1400@710	MCC-25M-A05	560-1930	2	1220	1420	326	485	132	762
1400@610	MCC-25M-A06	560-1930	2	1320	1220	348	455	132	728
1400@660	MCC-25M-A07	560-1930	2	1320	1320	348	475	132	785
2300@610	MCC-35M-B00	540-1850	3	1320	1220	420	465	152	795
2300@660	MCC-35M-B01	540-1850	3	1320	1320	420	475	152	850
2300@710	MCC-35M-B02	540-1850	3	1320	1420	420	485	152	898
2300@610	MCC-35M-B03	540-1850	3	1520	1220	430	475	152	852
2300@660	MCC-35M-B04	540-1850	3	1520	1320	430	485	152	908



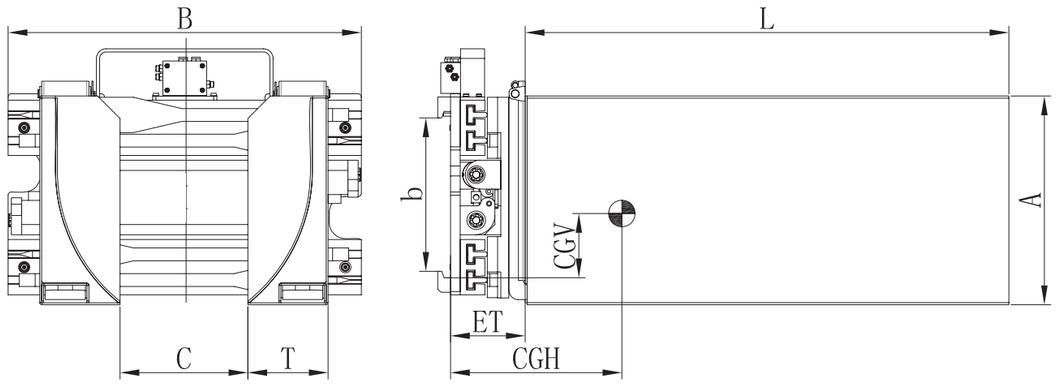
1. Proven and well designed arms and T-shape arm bars ensure smooth moving and good durability.
2. Special designed check valve provide sideshifting without the third cylinder.
3. Superior slide bearing promises extended service life.
4. Small pieces of high quality nylon contact pads save service and maintenance cost.
5. Four-Position Regulator Valve ensures different clamping pressure for different applications.
6. Regenerative hydraulic valve for optimal arm speed.
7. 2 pieces of truck auxiliary valves are necessary. 140bar≤ Working Pressure ≤180bar.
8. Fitting Screw M18X1.5-74°(concave); Recommended Hydraulic Pipe internal diameter = 10mm .

Note:We are not obliged to inform you if there will be any specification change.

2.3.9 Furriery Clamp



Capacity@ Load Center	Model	Class b	Opening Range	Arm Height	Frame Width	Arm Width	Arm Length	CGV	CGH	ET	Service Weight
			C (mm)	A (mm)	B (mm)	T(mm)	L(mm)	(mm)	(mm)	(mm)	(kg)
1500@500	FCS-25M-A01	2	300-1460	650	1040	250	1500	175	486	203	641
2000@500	FCS-35M-B01	3	300-1460	650	1100	250	1500	180	530	238	686



Remarks

1. Proven and well designed arms and T-shape arm bars ensure smooth moving and good durability.
2. Special designed check valve provide sideshifting without the third cylinder.
3. Superior slide bearing promises extended service life.
4. Small pieces of high quality nylon contact pads save service and maintenance cost.
5. Four-Position Regulator Valve ensures different clamping pressure for different applications.
6. Regenerative hydraulic valve for optimal arm speed.
7. 2 pieces of truck auxiliary valves are necessary. 140bar≤ Working Pressure ≤180bar.
8. Fitting Screw M18X1.5-74°(concave); Recommended Hydraulic Pipe internal diameter = 10mm .
9.Specially designed for furriery ,textile industry with easily dismantled stainless arms.

Note:We are not obliged to inform you if there will be any specification change.

GENERAL CLAMP ORDER SHEET

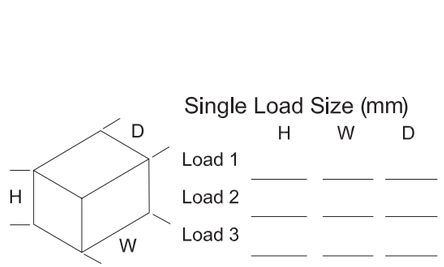
(including Fork Clamp, Bale Clamp,Carton Clamp)

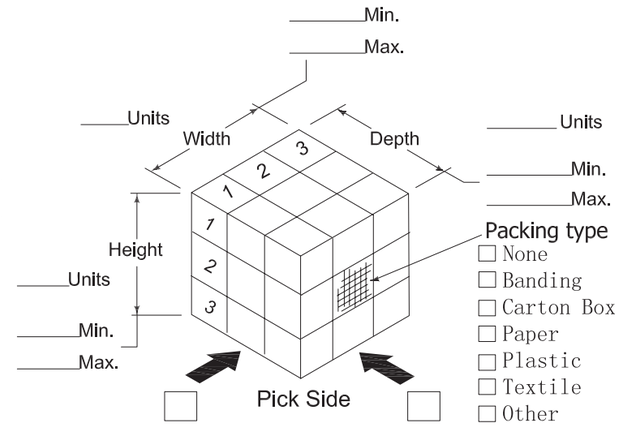
Truck basic Information

Truck Make: _____ Model: _____ Truck Capacity: _____

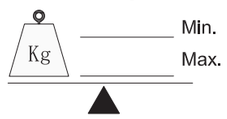
Mounting Class: _____ Carriage Width: _____ Mast lift height: _____

Load Information





Packing type
- ☐ None
- ☐ Banding
- ☐ Carton Box
- ☐ Paper
- ☐ Plastic
- ☐ Textile
- ☐ Other



TYPE: ☐ Sideshifting ☐ Revolving

Other supplementary information:

_____

_____

_____

_____

_____

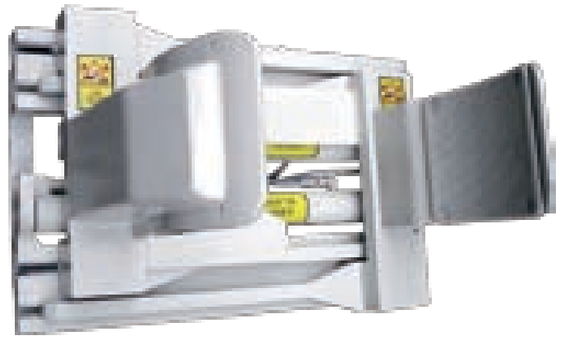
_____

_____

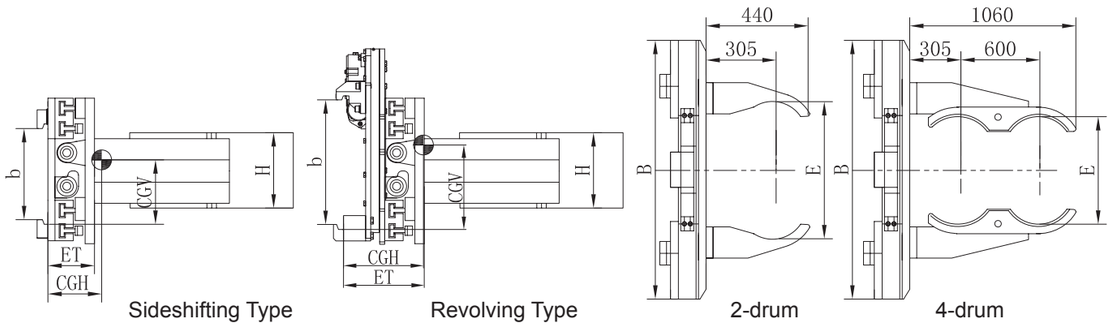
_____

Remarks: 1"(inch)=25.4mm; Filling in the blanks can help you get right Attachments.

2.3.10 Hydraulic Drum Clamp



Capacity@ Load Center	Model	Mounting class	Opening Range	Frame Width (B)	CGV	CGH	ET	Service Weight
			(mm)	(mm)	(mm)	(mm)	(mm)	(Kg)
2-drum sideshifting								
1900@500	DCS-25M-A21	2	520-1750	940	220	105	145	302
2-drum revolving								
1900@500	DCR-25M-A21	2	520-1750	940	410	115	240	530
4-drum sideshifting								
1900@500	DCS-25M-A41	2	460-1690	940	220	292	145	398
4-drum revolving								
1900@500	DCR-25M-A41	2	460-1690	940	336	275	242	602



1. Proven and well designed arms and T-shape arm bars ensure smooth moving and good durability.
2. Revolving and sideshifting function is available for different application.
3. Superior slide bearing promises extended service life.
4. Special design of arm suitable for clamp 1 or 2 or 4 pieces of 55 gallon oil tanks.
5. High quality nylon contact pad on the arm easy for replacement and services.
6. Regenerative hydraulic valve for optimal arm speed.
7. 2 pieces of truck auxiliary valves are necessary. 140bar≤ Working Pressure ≤180bar.
8. Fitting Screw M18X1.5-74°(concave); Recommended Hydraulic Pipe internal diameter = 10mm .

Note:We are not obliged to inform you if there will be any specification change.

ORDER SHEET

Truck basic Information

Truck Make: _____ Model: _____ Truck Capacity: _____

Mounting Class: _____ Carriage Width: _____ Mast lift height: _____

Shape description

Type: Type I ☐ Type II ☐

Specification:L= _____ mm D= _____ mm

Barrel wall thickness= _____ weight= _____

Barrel material _____ Without rib

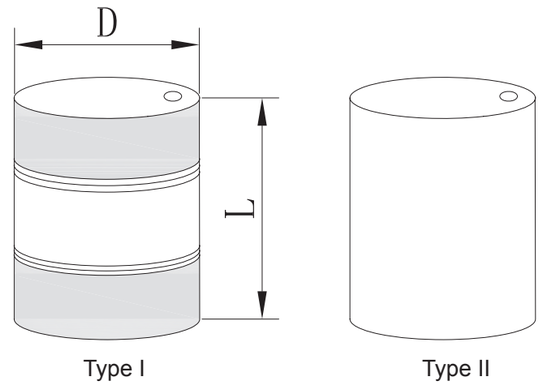
Other key parameters:

_____

_____

_____

_____



Demand action

Sidershiting ☐

Rotating ☐

The description of the tools for handling barrels:

_____

_____

_____

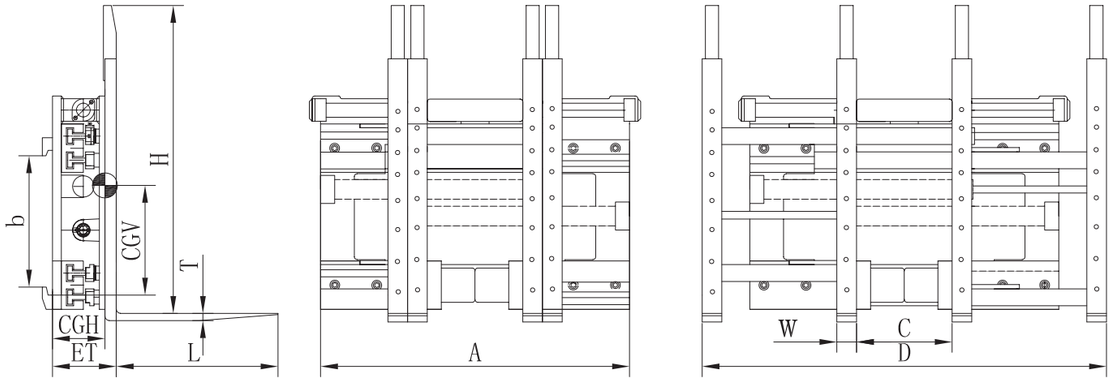
_____

_____

Remarks: 1"(inch)=25.4mm; Filling in the blanks can help you get right Attachments.

2.3.11 Single Double Pallet Handler

Capacity@ Load Center	Model	class	Outer fork Range	Inner fork Range	Frame Width (A)	Forks	Overall Height	CGV	CGH	ET	Service Weight
			(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Kg)
2500@600	DPH-25M-A01	2	560-1960	230-840	1200	1150*80*40	1400	278	235	222	522
2500@600	DPH-25M-B01	3	560-1960	230-840	1200	1150*80*40	1400	278	235	225	525



1. Proven and well designed arms and T-shape arm bars ensure smooth moving and good durability.
2. Superior slide bearing promises extended service life.
3. Back-strengthened bolt-on forks promise to handle one or two pallets in good condition.
4. With integrated sideshifting function to perform clamping/releasing and sideshifting purpose.
5. 2 pieces of truck auxiliary valves are necessary. 140bar≤ Working Pressure ≤180bar.
6. Fitting Screw M18X1.5-74°(concave); Recommended Hydraulic Pipe internal diameter = 10mm .

Note:We are not obliged to inform you if there will be any specification change.

ORDER SHEET

Truck basic Information

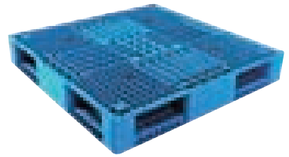
Truck Make: _____ Model: _____ Truck Capacity: _____

Mounting Class: _____ Carriage Width: _____ Mast lift height: _____

Pallet Type

Plywood Pallet

Fumigation Free Pallet

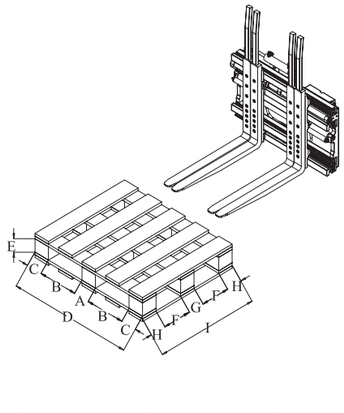


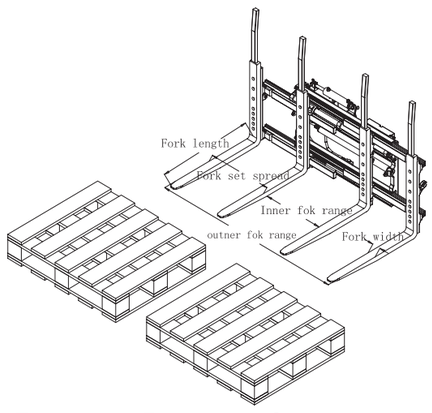
Plastic Pallet

Description of Other Type(Drawing or photo is preferred)

Operating Frequency of Each kind

Key Specifications-Pallet; Single-Double Pallet Handler





A=_____ B=_____ C=_____ D=_____ E=_____ F=_____ G=_____ H=_____

I_____ Fork Set Spared =_____ Inner Fork Range=_____ The goods Weight =_____ kg

Outer Fork Range=_____ Fork Width=_____ Fork Length=_____

Handling Mode Single Pallet Double Pallet

Note: If there're more than one type of pallet, please complete one from each.

_____

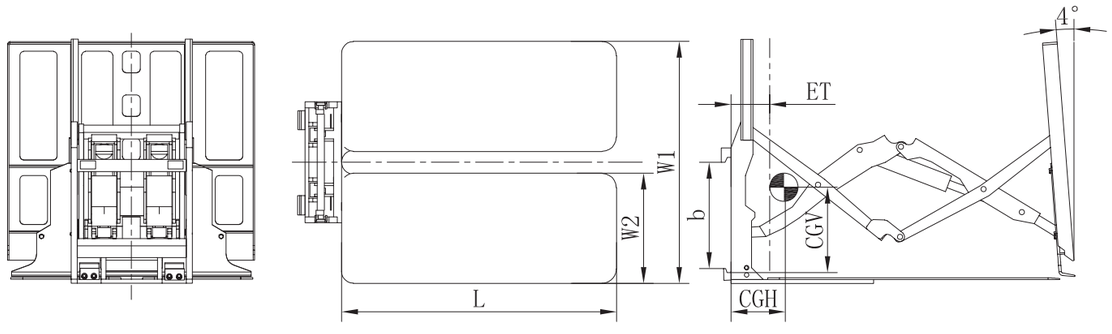
_____

_____

Remarks: 1"(inch)=25.4mm; Filling in the blanks can help you get right Attachments.

2.3.12 Push and Pull

Capacity@ Load Center	Model	class	Outside Platen Spacing	Platen Size	CGV	CGH	ET	Service Weight
			(mm)	(mm)	(mm)	(mm)	(mm)	(Kg)
2000@600	PNP-25M-A01/02	2	1015/1170	455*1220	296	262	180	372
2000@600	PNP-25M-B01/02	3	1015/1170	455*1220	296	262	180	372



1. Best choice of no-pallet handling for beverage, cartons, etc.
2. High quality imported seal kits ensure non-leakage sealability.
3. Quick Mount type for easy conversion of attachments
4. 1 piece of truck auxiliary valves is necessary. 140bar≤ Working Pressure ≤180bar.
5. Fitting Screw M18X1.5-74°(concave); Recommended Hydraulic Pipe internal diameter = 10mm .

Note:We are not obliged to inform you if there will be any specification change.

ORDER SHEET

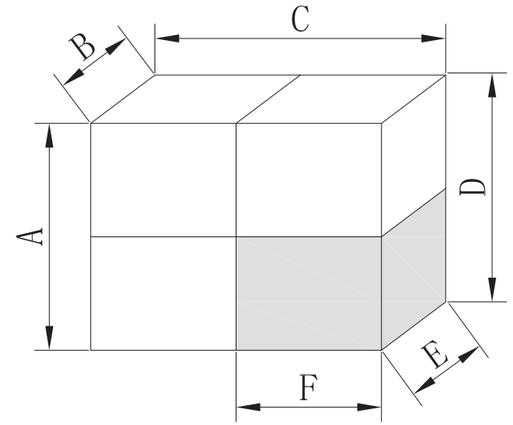
Truck basic Information

Truck Make: _____ Model: _____ Truck Capacity: _____

Mounting Class: _____ Carriage Width: _____ Mast lift height: _____

Applications Details:

What is product to be handled?
Total cube size minimum/maximum.
Height (A) _____
Width (B) _____
Length (C) _____
Weight _____



ndividual case, carton, or bag min/max.
Height (D) _____
Width (E) _____
Length (F) _____
Weight _____

How many individual containers make up cube size?
What is the size of the slip sheet being considered?
How many tabs on the slip sheet?
Will they handle slip sheet from 1, 2, 3, or 4 sides?
Do they want the capacity of handling pallets?
Will sideshifter be required?
Make and model of truck to be considered

_____

When required?

_____

_____

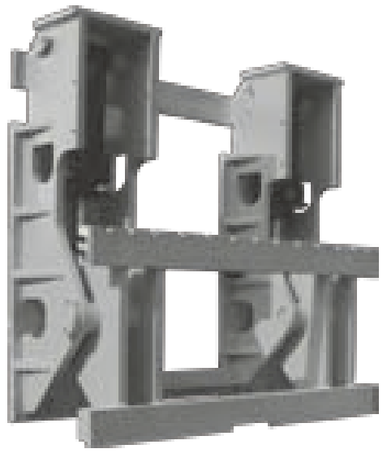
_____

_____

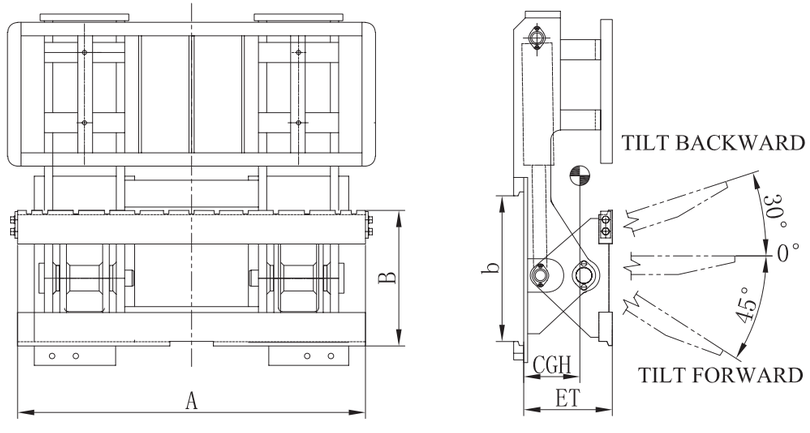
_____

Remarks: 1"(inch)=25.4mm; Filling in the blanks can help you get right Attachments.

2.3.13 Hinged Fork



Capacity@Load Center	Model	Class	Carriage Width	Tilt Forward/Tilt backward	ET	Service Weight
			(mm)	(°)	(mm)	(kg)
2500@600	MHF-25M-A01	2	1040	45°/30°	390	380
3000@600	MHF-35M-B01	3	1100	45°/30°	390	420
4500@600	MHF-50M-B01	3	1200	45°/30°	390	465
4500@600	MHF-50M-B02	3	1380	45°/30°	390	505
4500@600	MHF-50M-B03	3	1430	45°/30°	390	525
5400@600	MHF-70M-C01	4	1535	45°/30°	410	625
5400@600	MHF-70M-C02	4	1710	45°/30°	410	652
5400@600	MHF-70M-C03	4	1845	45°/30°	410	680



1. Heavy duty design to ensure good performance under bad working condition.
2. 45° tilting forward and 30° tilting backward to cover all kinds of recycling work.
3. Pressure retaining valve to protect the pipes when using for long time.
4. Well designed structure provides a good visibility.
5. 1 piece of truck auxiliary valves are necessary. 140bar≤ Working Pressure ≤180bar.
6. Fitting Screw M18X1.5-74°(concave); Recommended Hydraulic Pipe internal diameter = 10mm .

Note:We are not obliged to inform you if there will be any specification change.

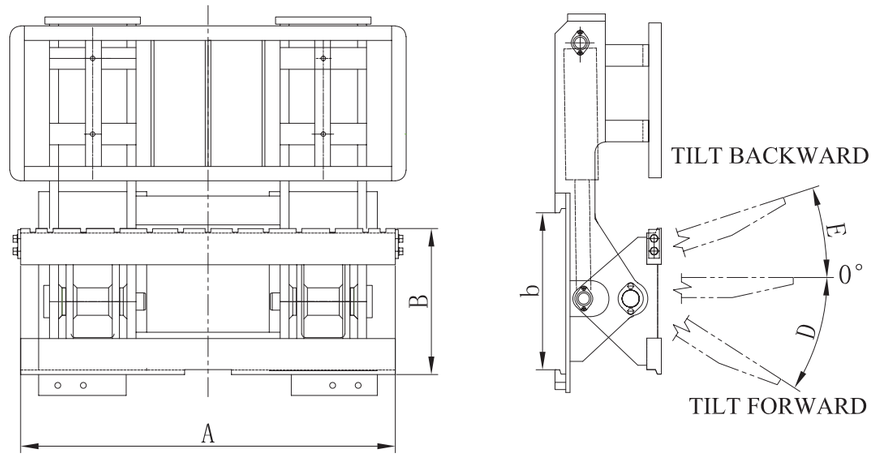
ORDER SHEET

Truck basic Information

Truck Make: _____ Model: _____ Truck Capacity: _____

Mounting Class: _____ Carriage Width: _____ Mast lift height: _____

Load Information



Mounting Class : b= _____ B= _____

Attachment carriage width A= _____ mm

The goods Weight G= _____ kg

Tilt backward: E _____

Tilt forward: D _____

Factory standard: E= 30 ° D=45º

If you want to change please provide parameters: E= _____ D= _____

Other notes:

_____

_____

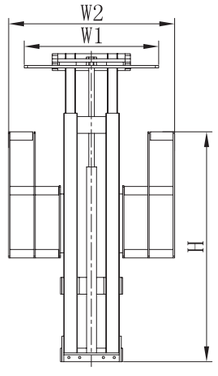
_____

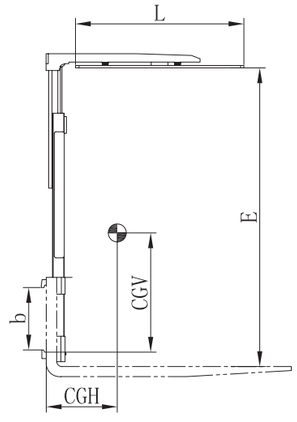
_____

Remarks: 1"(inch)=25.4mm; Filling in the blanks can help you get right Attachments.

2.3.14 Load stabilizer

Capacity@ Load Center	Model	class	Opening Range	ET	CGH	Plate Size	Service Weight
			(mm)	(mm)	(mm)	(mm)	(kg)
2000@500	MLS-25M-A01	2	1150-2100	65	130	750x750	200
2000@500	MLS-25M-A02	2	1150-2100	65	150	750x900	210
2000@500	MLS-25M-A03	2	1150-2100	65	165	900x900	220
2000@500	MLS-25M-A04	2	1150-2100	75	165	1100x1100	240
3000@500	MLS-35M-A01	2	1150-2100	75	130	750x750	260
3000@500	MLS-35M-A02	2	1150-2100	75	150	750x900	270
3000@500	MLS-35M-A03	2	1150-2100	75	165	900x900	280
3000@500	MLS-35M-A04	2	1150-2100	80	165	1100x1100	300





1. Big opening range suitable for different sizes of goods.
2. Well designed structure ensures good visibility
3. 1 piece of truck auxiliary valves is necessary. 140bar≤ Working Pressure ≤180bar.
4. Fitting Screw M18X1.5-74°(concave); Recommended Hydraulic Pipe internal diameter = 10mm .

Note:We are not obliged to inform you if there will be any specification change.

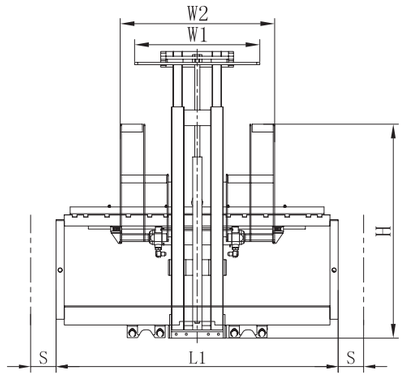
ORDER SHEET

Truck basic Information

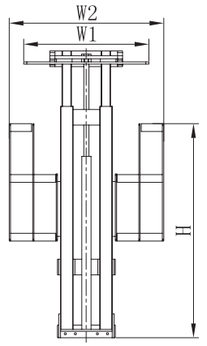
Truck Make: _____ Model: _____ Truck Capacity: _____

Mounting Class: _____ Carriage Width: _____ Mast lift height: _____

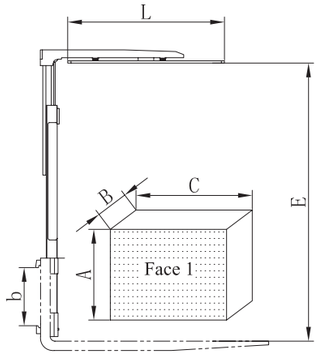
Load Information



☐ Type I



☐ Type II



The location of the Face 1 parallel shank to Fork the front Face

Type I With Sideshifting

The goods size:
Height A= _____ mm
Width B= _____ mm
Length C= _____ mm
Weight G= _____ kg
Mounting Class: b= _____
Sideshifting value S= _____ mm

Type II Without Sideshifting

The goods size:
Height A= _____ mm
Width B= _____ mm
Length C= _____ mm
Weight G= _____ kg
Mounting Class: b= _____

If you have any special parameters requirement, would you please provide the following main parameters

L1=_____ L=_____ W1=_____ W2=_____ E=_____ H=_____ b=_____ S=_____

Other notes:

_____

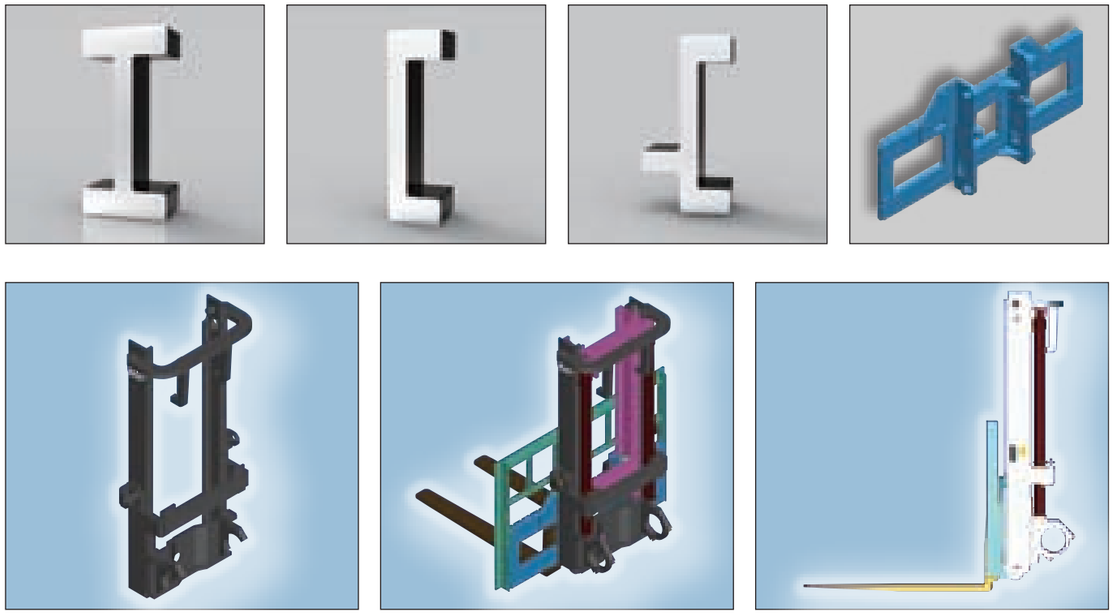
_____

_____

_____

Remarks: 1"(inch)=25.4mm; Filling in the blanks can help you get right Attachments.

2.3.15 Masts



Forklift Mast Data Sheet

Capacity / Model / Height	1.0-1.8T	2.0-2.5T	3.0-3.5T	4.0-4.5T	5.0-7.0T
3m Duplex	MST-15D300	MST-25D300	MST-30D300	MST-45D300	MST-70D300
4m Duplex	MST-15D400	MST-25D400	MST-30D400	MST-45D400	MST-70D400
3m Duplex FFL	MST-15F300	MST-25F300	MST-30F300	MST-45F300	MST-70F300
4m Duplex FFL	MST-15F400	MST-25F400	MST-30F400	MST-45F400	MST-70F400
4.5m Triplex	MST-15T450	MST-25T450	MST-30T450	MST-45T450	MST-70T450
5m Triplex	MST-15T500	MST-25T500	MST-30T500	MST-45T500	MST-70T500
6m Triplex	MST-15T600	NST-25T600	MST-30T600	MST-45T600	MST-70T600

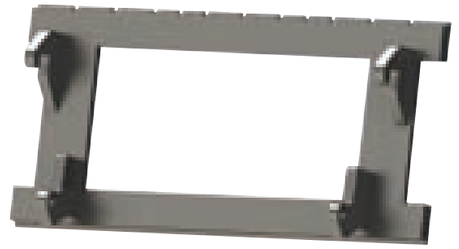
Remarks:

1. " D" : Duplex; "F": FFL (Full Free Lift), "T": Triplex;
2. Mast Assembly can be equiped with mast frame, fork carriage, roller, chains, forks if requested.
3. 1-1.8T mast: 12C profile; 2-3.5T mast: 16C profile; 4-4.5T:18C profile; 5-7T: 20C profile.
4. Customized masts are also available if detailed specifications provided.

2.3.16 Carriages/Bars/Extensions/Tank Holders.

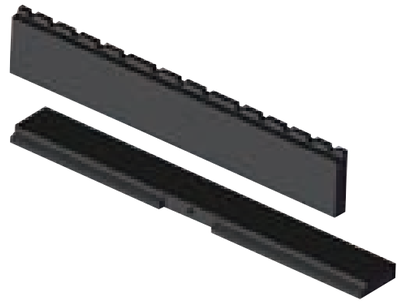
Pallet Frame

1. **Big Range** from 1ton to 10ton capacity,800mm to 2400mm width,Class II to Class V.
2. Cold Extrusion Bar is available to ensure better finish and strength.
3. If not requested, pallet frames are shipped **without** the backrest holes.
4. Customized model and design are available.



Fork Carriage Bar

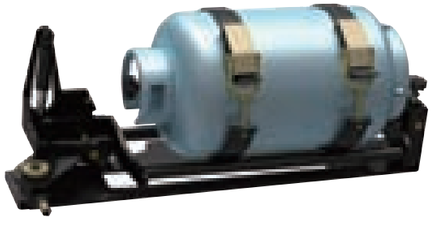
1. **Big Range** from 1ton to 10ton capacity,800mm to 2400mm width,Class II to Class V.
2. Cold Extrusion Bar is available to ensure better finish and strength.
3. Customized model and design are available.



Fork Extensions

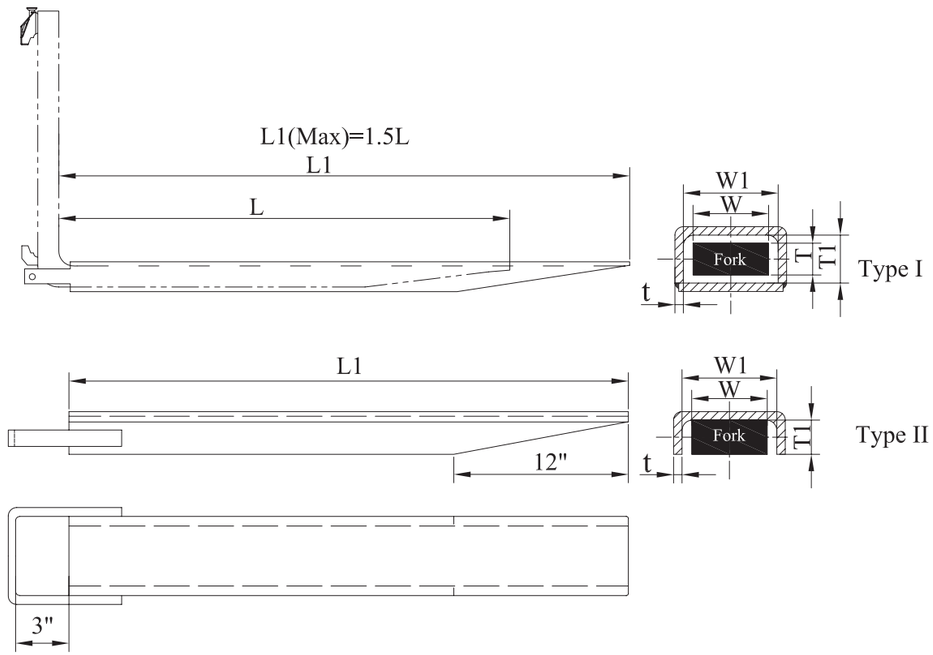
1. Both base closed and base open are available.
2. High quality spray painting enable better and smooth looking.
3. German and Australian standard production technology.

LPG Tank Holder



Note:We are not obliged to inform you if there will be any specification change.

ORDER SHEET



Fork extensions type:

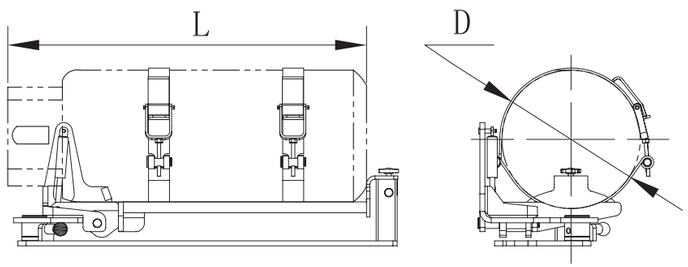
☐ Type I: close-base extension ☐ Type II: open-base extension

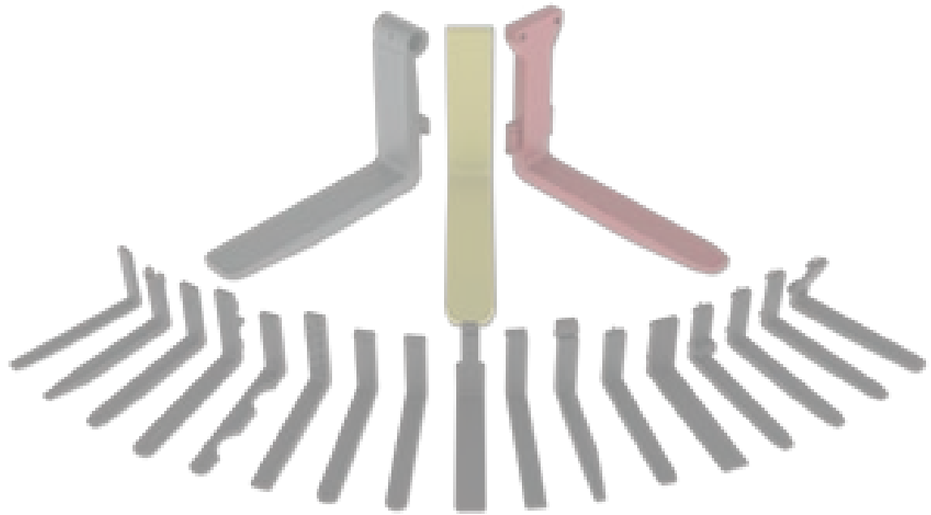
Mounting class		L1	W1	T1	T(mm)	Choice
2A	Type I(mm)		W+10	T+6	6	Factory standard ☐
	Type II (in)		W+0.5”	1.75”		Custo mer requirements ☐
3A	Type I(mm)		W+10	T+6	6/8	Factory standard ☐
	Type II (in)		W+0.5”	1.75”		Customer requirements ☐
4A	Type I(mm)		W+15	T+10	8/10	Factory standard ☐
	Type II (in)		W+0.5”	1.75”		Customer requirements ☐

Note: the Fork extension length should not exceed 1.5times of the fork length L.

L= _____ mm;

ΦD= _____ mm;



Remarks: 1"(inch)=25.4mm; Filling in the blanks can help you get right Attachments.

RP PARTS