



ATTACHMENT

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Product Description

The models listed in this product catalog are only partial products of Bomac Attachments. We will provide proper solutions according to used s special requirement Please contact our sales department for more information.

Forklift matching requirements

Please note the flow and pressure requirements for each type of attachment. Working pressure of attachment should not exceed its maximum value. Please follow the recommended flow rate value to set the oil supply of the forklift's additional oil line, so as to achieve the best working performance. If a special performance parameter is required, such as various pressure settings, please increase other auxiliary devices.

Attachment joint situation

Standard configuration of oil port connector is national standard face seal type (dimension of screw thread: M18 x 1.5). If a special connection form is required, please contact our technology department.

Bearing capacity of attachment

The bearing capacity of attachment is only one parameter to the performance of its structure. The actual comprehensive bearing capacity depends on the carrying goods, working conditions and bearing capacity of forklift. Accurate comprehensive bearing capacity of forklift/attachment can be obtained from the forklift host factory. The values calculated according to the forklift/attachment comprehensive bearing capacity formula listed on page 3 in this catalog are estimated values, only for reference.

Attachment mounting class

Attachment mounting class means the installation hook type at the back of product. All standard products have these hooks. The carriage of forklift shall comply with international standard, to mount and connect properly.ng capacity formula listed on page 3 in this catalog are estimated values, only for reference.

Mounting class meanings as the following chart:



| Mounting class | Lift Truck Capacity (Kg) | Load Center (mm) | P (mm) | Q (mm) |
|----------------|----------------------------|--------------------|----------|----------|
| I | -999 | 500 | 331 | 76 |
| II | 1000-2500 | 500 | 407 | 76 |
| III | 2501-4999 | 500 | 508 | 76 |
| IV | 5000-8000 | 600 | 635 | 127 |
| V | 8001-10999 | 600 | 728 | 127 |

Length of clamp arm or fork

The clamp arm or fork length listed in this product catalog is the effective length for actual operation of clamp arm or fork, which means the horizontal distance from the end face to the tip of arm or tip of fork under loading.

Quality assurance policy

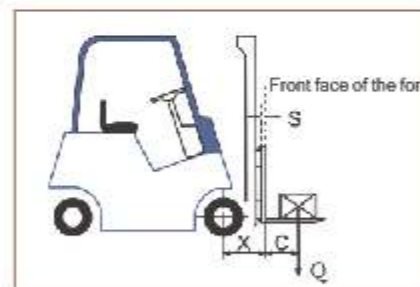
Bomac Attachments , shall be in accordance with the quality assurance policy, take a warranty period of 12 months / 2000 hours (whichever occurs first) for its new forklift attachments from the date of delivering to the first carrier. For details see "Quality Assurance Policy"(page 4).

Return policy

For detailed information, please refer to pageV in this catalog.

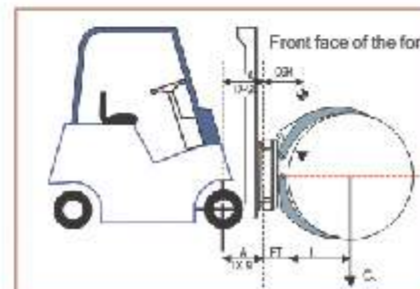
Bearing capacity is an important factor that must be considered in the selection process of forklift and attachment type. The comprehensive bearing capacity of forklift/attachment will fall after installing attachments on the counter balanced forklift, due to the following two factors:

- ①the load torque of forklift is partially offset by the torque produced by attachment weight.
- ②the rear frame structure thickness of attachment forms a part of the actual load torque. The following formulas will help calculate the bearing capacity, i.e. the load weight limit, only for reference.



CALCULATION PARAMETERS OF THE FORKLIFT

Q: rated bearing capacity of the forklift (Kg)
 (note: the rated bearing capacity of the forklift is related to its maximum lifting height)
 X: horizontal distance from the front wheel center to the front end face of forklift (mm)
 C: horizontal distance from the front end of fork to the load center (mm)
 S: fork thickness (mm)



CALCULATION PARAMETERS OF ATTACHMENT

M: weight of the attachment (Kg)
 A: horizontal distance from the front wheel center to the front end face of fork (mm) A=X-S
 CGH: horizontal distance from the front end face of fork frame to the weight center of attachment (mm)
 ET: horizontal distance from the front end face of fork frame to the rear end face of load (mm)
 L: horizontal distance from the rear end face of load to the load center (mm)

COMPREHENSIVE BEARING CAPACITY:

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

FOR EXAMPLE, ASSUMING THAT:

Q=3000Kg X=498mm C=500mm S=45mm M=560Kg A=453mm CGH=280mm
 ET=220mm L=500mm

$$C_N = \frac{3000 \times (498+500) - 560 \times (453+280)}{453+220+500} = 2202Kg$$

Take the minimum among the rated forklift bearing capacity, attachment bearing capacity and calculated comprehensive bearing capacity as the integral actual bearing capacity of forklift/attachment. Weight of carried goods shall not exceed this value.

★You can obtain the accurate comprehensive bearing capacity of forklift/attachment from the forklift host factory.

Thank you for choosing the attachment product of Bomac. In order to fully protect your rights, please read this quality assurance policy carefully.

Bomac Attachments : ensure its products meet the requirements for performance parameters listed in the effective purchases and sales contract, quotation, and product catalog provided by Indotara Persada company.

Bomac Attachments : the company has two classes of product, brand new product and repaired product. Including attachments and repair parts.

1.Brand new product: warranty period as follows:

(1) 12 months from Bomac Engineering Trucks Attachments Co.ltd delivering to the first carrier;

(2) Use the attachment for 2000 hours.

Whichever occurs first

2.Repaired product:

the warranty period is 6 months from Bomac Attachments delivering the product.

In this policy, "Quality Assurance" means: Bomac Attachments will repair or replace any part with defects in material or workmanship confirmed by its authorized officer or its sales staff after checking.

Buyers and end users shall:

1.In order to ensure the company's work can be implemented smoothly, buyers and end users must operate in strict accordance with the requirements of relevant Bomac installation instructions, test specifications, operating instructions and maintenance manuals while installing, commissioning,using and maintaining the products of Bomac. 2.Buyers and end users must obtain authorization from Bomac before repairing the products purchased from Bomac, but no product part can be removed or replaced. 3.Without authorization from Bomac Company, any repair or alteration of its attachment product, use of parts not provided by Bomac, or violation of relevant provisions in Bomac installation instructions, test specifications, operation instructions and maintenance

Precautions:

1. For damage or abnormal conditions to the product caused by special operations beyond the applicable working condition of the product, Bomac Attachments won't take the responsibility of repair. 2.When the buyer or end user has owned or has not yet owned but already started using the company's products, Bomac Attachments Caltd won't take the responsibility for loss of the products or person or property loss caused during the use of the product (including indirect loss or damage). 3.Product abrasion and consumption during normal use, abnormal use without following the company operation introduction, as well as normal or regular maintenance work do not enjoy the quality assurance policy.

4.Circumstances beyond this quality policy and product-related terms on the purchases and sales contract of Bomac Attachments, do not enjoy the quality assurance policy.

Important notice:

If the end user need to learn more about the company's products or installation and repair matters, please consult the forklift host factory that sold this product or its dealer first. Liandong

This quality assurance policy takes effect from Jan. 1, 2008. It will be effective till the introduction of new quality assurance policy. Bomac Attachments reserves the right to amend this policy according to market and technology developments, without one by one notice.

Forklift attachments are installed on the forklift of a particular tonnage and mounting class, which are specialized mechanical equipment for the appropriate shape and weight of goods.

Therefore, before signing the attachment sales contract, sales manager of Bomac Attachments, and sales managers of the forklift host factory and its dealer must communicate adequately on how to make the proposed attachment meet the user's requirements, and reach an agreement.

Return applications caused by non-attachment quality problems are suitable to the following policies:

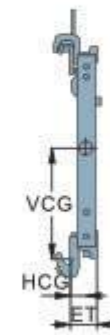
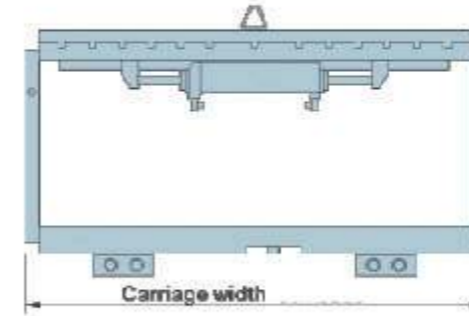
In case of return of universal standard brand new attachments (unused), the forklift host factory or sales company sold this product shall contact the sales manager of Bomac Attachments. to get return permission.

For all applications, the "Return Permission" must be returned with the goods. The returns party shall bear the product transport fee, packaging costs (round trip), detection and identification fee of the product, related service fee, management fee and loss of spare parts (in real terms). If damaged during shipping, the returns party shall also bear the repairing cost (in real terms).

In the following conditions, return will be refused:

- ☞ Used product (no quality issues)
- ☞ Modified product (without permission of the company)
- ☞ Custom designed product
- ☞ Product exceeding 60 days from the delivery date of the company
- ☞ Not returnable products specified by the contract

| | | |
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| Capacity@ Load Center (Kg@mm) | Catalog Order No. | Mounting Class | Carriage Width (mm) | Minimum Truck Carriage Width (mm) | Weight (kg) | Effective Thickness ET (mm) | Vertical Center of Gravity VCG (mm) | Horizontal Center of Gravity HCG (mm) | Available Forklift (t) |
|---|----------------------|-------------------|-------------------------------|---|--------------------|--|---|---|----------------------------------|
| 1800@500 | LC15 | II | 970 | 900 | 55 | 63 | 230 | 28 | 1-1.8t |
| 2500@500 | LC20 | II | 1040 | 970 | 58 | 63 | 230 | 28 | 2-2.5t |
| 3000@500 | LC30 | III | 1100 | 1000 | 74 | 68 | 300 | 29 | 3-3.5t |
| 4500@500 | LC45 | III | 1380 | 1200 | 180 | 79 | 284 | 39 | 4.5t |

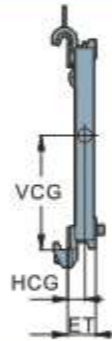
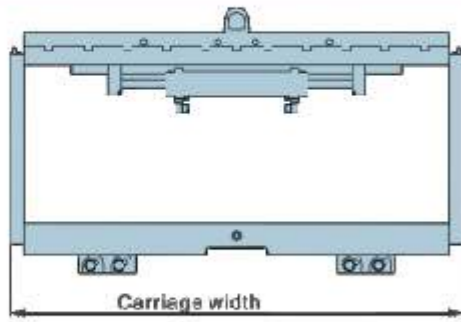
Note: 1. Please obtain the actual comprehensive bearing capacity of forklift/attachment from the forklift factory.
 2. The forklift needs to add a group of additional oil lines.
 3. The total amount of side shift is: 200 (±100) mm.

| Model | Pressure Value Bar | | Flow Value L/min | | |
|-----------|-----------------------|------|---------------------|-----------|------|
| | Min. | Max. | Min. | Recommend | Max. |
| LC | 140 | 210 | 4 | 8 | 11 |



Configuration of Key Parts of Truck Attachments

1. Hydraulic system: The piston rod adopts integral type, the structure is simple, easy to process and repair; the seals all adopt well-known brand series products, the quality is reliable; the design has throttle pieces, which can adjust the side shift speed.
2. Performance: The slider is made of modified engineering plastic wear-resistant material and has a long service life.



| Capacity@ Load Center (Kg@mm) | Catalog Order No. | Mounting Class | Total Side shift (mm) | Carriage Width (mm) | Minimum Truck Carriage width (mm) | Weight (kg) | Effective Thickness ET (mm) | Vertical Center of Gravity VCG (mm) | Horizontal Center of Gravity HCG (mm) | Available Forklift (t) |
|----------------------------------|-------------------|----------------|-----------------------|---------------------|-----------------------------------|-------------|-----------------------------|-------------------------------------|---------------------------------------|------------------------|
| 1800@500 | GC15 | II | ±100 | 970 | 895 | 51 | 63 | 220 | 25 | 1-1.8t |
| 2500@500 | GC20 | II | ±100 | 1040 | 940 | 55 | 63 | 220 | 25 | 2-2.5t |
| 3000@500 | GC30 | III | ±100 | 1100 | 970 | 72 | 68 | 295 | 28 | 3t |
| 3000@500 | GC30A | III | ±100 | 1250 | 1100 | 77 | 68 | 295 | 28 | 3t |
| 3000@500 | GC30B | III | ±100 | 1300 | 1100 | 78 | 68 | 295 | 28 | 3t |
| 3500@500 | GC35 | III | ±100 | 1100 | 970 | 85 | 73 | 295 | 32 | 3.5t |
| 3500@500 | GC35A | III | ±100 | 1500 | 1300 | 124 | 73 | 295 | 32 | 3.5t |
| 3500@500 | GC35B | III | ±100 | 1600 | 1300 | 132 | 73 | 295 | 32 | 3.5t |
| 3500@500 | GC35C | III | ±100 | 1700 | 1400 | 139 | 73 | 295 | 32 | 3.5t |
| 4500@500 | GC45 | III | ±100 | 1380 | 1180 | 115 | 73 | 295 | 32 | 4-4.5t |
| 4500@500 | GC45A | III | ±100 | 1200 | 1000 | 106 | 73 | 295 | 32 | 4-4.5t |
| 4500@500 | GC45B | III | ±100 | 1350 | 1200 | 114 | 73 | 295 | 32 | 4-4.5t |
| 4500@500 | GC45E | III | ±150 | 1380 | 1300 | 150 | 78 | 227 | 46 | 4-4.5t |
| 6800@610 | GC70 | IV | ±150 | 1845 | 1525 | 330 | 84 | 380 | 43 | 5-7t |
| 6800@610 | GC70A | IV | ±150 | 2430 | 1735 | 406 | 84 | 387 | 47 | 5-7t |
| 6800@610 | GC70B | IV | ±150 | 1532 | 1470 | 286 | 84 | 380 | 42 | 5-7t |

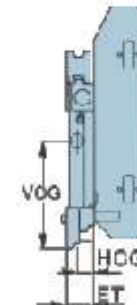
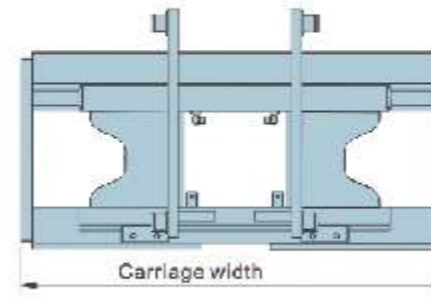
Note: 1. Please obtain the actual comprehensive bearing capacity of forklift/attachment from the forklift factory.
 2. The forklift needs to add a group of additional oil lines.
 3. According to demand, special width of sideshifter can be provided.



| Model | Pressure Value Bar | | Flow Value L/min | | |
|---------|--------------------|------|------------------|-----------|------|
| | Min. | Max. | Min. | Recommend | Max. |
| GC15-45 | 140 | 210 | 4 | 8 | 11 |
| GC70 | 140 | 210 | 4 | 23 | 45 |

Configuration of Key Parts of Truck Attachments

1. Hydraulic system: the piston rod adopts integral structure, cylinder head and cylinder retainer are connected by clamp spring, which has high reliability; all seals adopt well-known brand products with reliable quality; there are throttling pieces to adjust the sideshifting speed.
 2. Structural part: it uses forgings on the lower hook of sideshifter, which is easy for assembly and adjustment, with novel structure and reliable quality.
 3. Mechanical performance: the oil cylinder of sideshifter uses a cushioning device, which can automatically reduce the sideshifting speed when reaching the end, to effectively protect the goods; the lower hook on the sideshifter is fixed with lock nuts, which is safe and reliable.



| Capacity@ Load Center (Kg@mm) | Catalog Order No. | Mounting Class | Carriage Width (mm) | Weight (kg) | Effective Thickness ET (mm) | Available Forklift (t) |
|----------------------------------|-------------------|----------------|---------------------|-------------|-----------------------------|------------------------|
| 1800@500 | ZC15 | II | 970 | 115 | 70 | 1-1.8t |
| 2500@500 | ZC20 | II | 1040 | 134 | 70 | 2-2.5t |
| 3000@500 | ZC30 | III | 1100 | 167 | 70 | 3t |
| 3500@500 | ZC35 | III | 1100 | 220 | 85 | 3.5t |

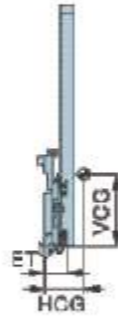
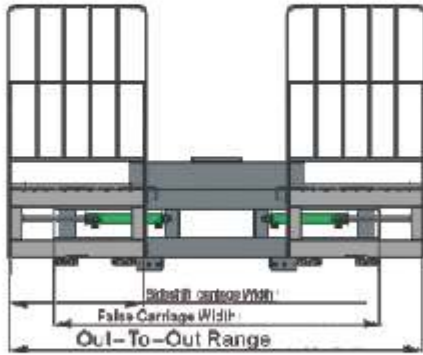
Note: 1. Since different model of fork frame has different matching condition, and the riser and roller shaft are associated with this sideshifter, please provide the forklift carriage drawing when ordering.
 2. Delivery does not include the roller assembly.
 3. The forklift needs to add a group of additional oil lines.
 4. Total sideshifting length: 200 (±100) mm.



| Model | Pressure Value Bar | | Flow Value L/min | | |
|-------|--------------------|------|------------------|-----------|------|
| | Min. | Max. | Min. | Recommend | Max. |
| ZC | 160 | 210 | 4 | 8 | 11 |

Configuration of Key Parts of Truck Attachments

1. Hydraulic system: the sideshift oil cylinder uses plunger type cylinder, which is simple in structure and convenient for repairing; all seals adopt well-known brand products with stable and reliable quality.
 2. Structural part: upper and lower beams use high-strength plates. There are also baffles outside the oil cylinder to protect the piston rod from damage.
 Mechanical performance: the oil cylinder is built in the upper beam, forming a compact structure to effectively improve the bearing capacity of sideshifters; buffered loops on the rod ends can reduce the impact to protect the goods; it also combines functions of the sideshifter and carriage, thereby reduces the front overhang of door frame, and greatly improves the vehicle's cost performance, bearing capacity and whole-machine reliability.



| Capacity@ Load Center (Kg@mm) | Catalog Order No. | Truck Mounting Class | Hinged Fork Mounting Class | Out-To-Out Range (mm) | The single side shift (mm) | Sideshift Carriage Width (mm) | Carriage Width (mm) | Maximum Pallet Spread (mm) | Weight (kg) | Effective Thickness ET (mm) | Horizontal Center of Gravity HCG (mm) | Available Forklift (t) |
|----------------------------------|-------------------|----------------------|----------------------------|--------------------------|-------------------------------|----------------------------------|------------------------|-------------------------------|----------------|-----------------------------------|---|---------------------------|
| 3000@610 | SC30D-B1 | III | II | 1760-2450 | 345 | 790 | 1930 | 800 | 341 | 119 | 53 | 3-4.5t |
| 3000@610 | SC30D-B2 | III | II | 1448-2052 | 300 | 700 | 1620 | 604 | 328 | 143 | 90 | 3-4.5t |

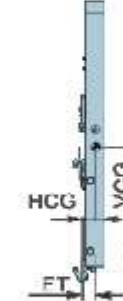
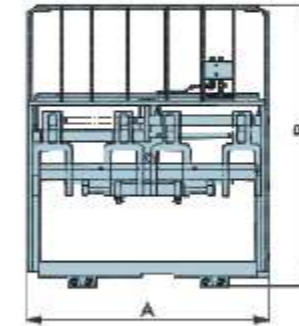
- Notes: 1. Please gain the actual overall carrying capacity of forklift trucks/attachments from the forklift truck manufacturers.
 2. Forklift truck needs to add two groups of additional oil lines so as to match the attachments.
 3. The minimum truck carriage width shall be 955mm.
 4. Optional fork bracket without fork.



| Model | Pressure Value Bar | | Flow Value L/min | |
|--------|--------------------|------|------------------|------|
| | Max. | Min. | Recommend | Max. |
| SC* *D | 210 | 4 | 8 | 11 |

Configuration of Key Parts of Truck Attachments

1. Hydraulic system: all the seals adopt imported products and the high-pressure rubber hoses adopt cone sealed high-performance imported rubber hoses.
2. Structural part: the truck carriages are welded by high-performance alloy steel plates.
3. Mechanical performance: two sideshift carriages can act respectively (separate, close, left shift and right shift) with good view.
4. Applicable scope: if applicable on handling various box and bulk cargoes, by making the fork truck move two pallets of goods respectively and making them close or separate, so as to improve the handling efficiency significantly.



| Capacity@ Load Center (Kg@mm) | Catalog Order No. | Mounting Class | Opening Range (mm) | Total Side shift (mm) | Fork Pocket Width (mm) | Minimum Truck Carriage Width (mm) | Overall Width A (mm) | Overall Height B (mm) | Weight (kg) | Effective Thickness ET (mm) | Horizontal Center of Gravity HCG (mm) | Available Forklift (t) |
|----------------------------------|-------------------|----------------|-----------------------|--------------------------|---------------------------|--------------------------------------|----------------------------|-----------------------------|----------------|-----------------------------------|---|---------------------------|
| 1800@500 | TC18G-A1 | II | 100-900 | | 100 | 895 | 1018 | 1245 | 135 | 63 | 50 | 1-1.8t |
| 2500@500 | TC25G-A1 | II | 100-970 | | 100 | 895 | 1088 | 1245 | 148 | 63 | 50 | 2-2.5t |
| 2500@500 | TC25G-A2 | II | 100-970 | | 122 | 895 | 1088 | 1245 | 148 | 63 | 50 | 2-2.5t |
| 3000@500 | TC30G-B1 | III | 100-1125 | | 125 | 930 | 1248 | 1336 | 186 | 68 | 50 | 3-3.5t |
| 3000@500 | TC30G-B2 | III | 100-1025 | | 125 | 930 | 1148 | 1336 | 178 | 68 | 50 | 3-3.5t |
| 3500@500 | TC35G-B1 | III | 100-1025 | | 150 | 930 | 1148 | 1336 | 181 | 68 | 50 | 3-3.5t |
| 4500@500 | TC45G-B1 | III | 100-1300 | | 150 | 1080 | 1428 | 1343 | 256 | 73 | 50 | 4-4.5t |
| 6800@600 | TC70G-C1 | IV | 120-1750 | | 150 | 1420 | 1905 | 1452 | 553 | 75 | 57 | 5-7t |
| 1800@500 | TY18G-A1 | II | 100-900 | ±100 | 100 | 895 | 1018 | 1245 | 139 | 62 | 50 | 1-1.8t |
| 2500@500 | TY25G-A1 | II | 100-970 | ±100 | 100 | 940 | 1088 | 1245 | 152 | 62 | 50 | 2-2.5t |
| 2500@500 | TY25G-A3 | II | 100-1230 | ±100 | 100 | 1090 | 1348 | 1245 | 178 | 62 | 50 | 2-2.5t |
| 2500@500 | TY25G-A5 | II | 100-970 | ±100 | 122 | 940 | 1088 | 1245 | 152 | 62 | 50 | 2-2.5t |
| 3000@500 | TY30G-B1 | III | 100-1025 | ±100 | 125 | 970 | 1148 | 1336 | 182 | 68 | 50 | 3-3.5t |
| 3000@500 | TY30G-B2 | III | 100-1125 | ±100 | 125 | 1070 | 1248 | 1336 | 190 | 68 | 50 | 3-3.5t |
| 3000@500 | TY30G-B4 | III | 100-1440 | ±100 | 125 | 1400 | 1568 | 1336 | 215 | 68 | 50 | 3-3.5t |
| 3500@500 | TY35G-B1 | III | 100-1025 | ±100 | 150 | 970 | 1148 | 1336 | 185 | 68 | 50 | 3-3.5t |
| 4500@500 | TY45G-B1 | III | 100-1300 | ±100 | 150 | 1180 | 1428 | 1345 | 260 | 73 | 50 | 4-4.5t |
| 4500@500 | TY45G-B3 | III | 100-1620 | ±100 | 150 | 1400 | 1748 | 1345 | 280 | 73 | 56 | 4-4.5t |
| 4500@500 | TY45G-B4 | III | 100-1810 | ±100 | 150 | 1600 | 1968 | 1345 | 398 | 78 | 57 | 4-4.5t |
| 6800@600 | TY70G-C1 | IV | 120-1750 | ±150 | 150 | 1525 | 1905 | 1418 | 550 | 84 | 57 | 5-7t |
| 6800@600 | TY70G-C2 | IV | 115-1850 | ±150 | 150 | 1525 | 2000 | 1300 | 555 | 84 | 57 | 5-7t |

- Notes: 1. Please gain the actual overall carrying capacity of forklift trucks/attachments from the forklift truck manufacturers.
 2. Opening range: the minimum is the inside distance between two forks while they are closing, and the maximum is the outside distance between two forks while they are opening.
 3. In the Catalog Order No. "TC" refers to fork positioners, while "TY" refers to sideshift fork positioners.
 4. Separate pitch adjustment at the end of the original product model of the TC series plus *-01".
 5. It is recommended that the length of the fork does not exceed 1520mm.

| Model | Pressure Value Bar | | Flow Value L/min | |
|-----------|--------------------|------|------------------|------|
| | Max. | Min. | Recommend | Max. |
| TC(Y) **G | 180 | 11 | 15 | 19 |

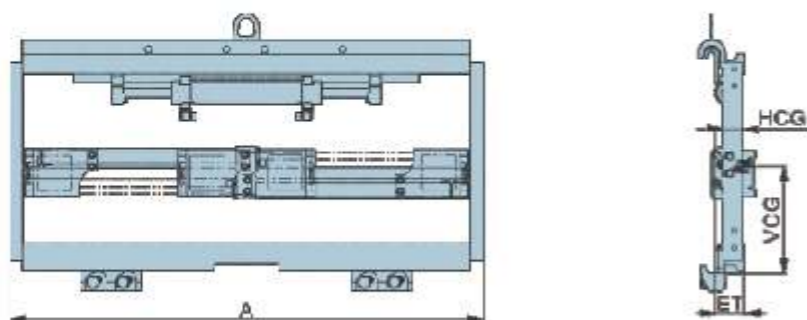


Configuration of Key Parts of Truck Attachments

1. Hydraulic system: the control valves adopt foreign originally imported hydraulic products; and the high-pressure rubber hoses adopt cone sealed high-performance imported rubber hoses.
2. Structural part: it can match the standard fork bracket, and the shift forks adopt integral alloy steel castings, and it has beautiful appearance and reliable performance.
3. Mechanical performance: it uses balance valve to ensure that two forks can run synchronously, and the forks are controlled by double oil cylinder with good stability; and uses the standard forks for forklift trucks, which has excellent versatility and convenient installation.

Users can choose to include the sideshift function or not Configuration as follows:

1. The forks position independently, without sideshift function, and need to add two groups of additional oil lines (without synchronous valves).
2. The forks position synchronously, with sideshift function, and need to add two groups of additional oil lines (with synchronous valves).
3. The forks position synchronously, without sideshift function, and need to add a group of additional oil lines (with synchronous valves).



| Capacity@ Load Center (Kg@mm) | Catalog Order No. | Roll Range (mm) | Minimum Truck Carriage Width (mm) | Overall Width A (mm) | Fork pocket Width (mm) | Weight (kg) | Truck Mounting Class | Effective Thickness ET (mm) | Vertical Center of Gravity VCG (mm) | Horizontal Center of Gravity HCG (mm) | Available Forklift (t) |
|----------------------------------|-------------------|--------------------|--------------------------------------|-------------------------|---------------------------|----------------|----------------------|--------------------------------|--|--|---------------------------|
| 1800@500 | TY18G-A2 | 28-860 | 895 | 970 | 100 | 72 | II | 68 | 218 | 31 | 1-1.8t |
| 2500@500 | TY25G-A4 | 28-930 | 940 | 1040 | 100/122 | 78 | II | 68 | 218 | 31 | 2-2.5t |
| 3000@500 | TY30G-B3 | 28-990 | 970 | 1100 | 125 | 90 | III | 68 | 275 | 31 | 3-4.5t |

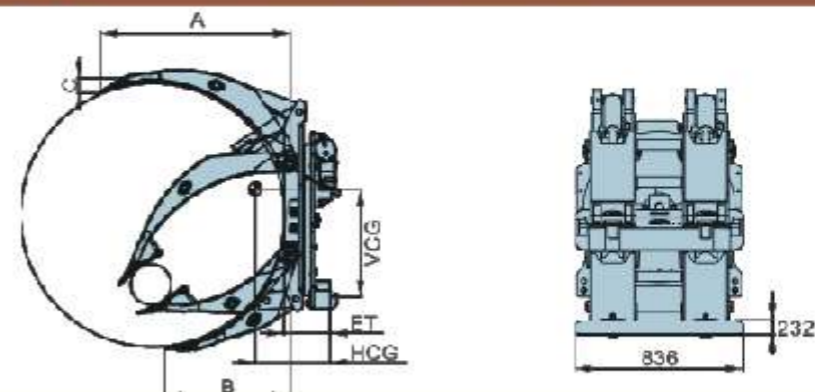
- Notes:
- Please gain the actual overall carrying capacity of forklift trucks/attachments from the forklift truck manufacturers.
 - The forklift truck needs to add two groups of additional oil lines so as to match the attachments.
 - Opening range: the minimum is the inside distance between two forks while they are closing, and the maximum is the outside distance between two forks while they are opening.
 - Sideshifting amount of the fork positioner is ±100mm.
 - The model listed on this page only fits the basic portal frame. For more information about the models of portal frame, please contact the sales clerks.
 - It is recommended that the length of the fork does not exceed 1520mm.



| Model | Pressure Value Bar | | Flow Value L/min | | |
|-------|--------------------|------|------------------|------|------|
| | Max. | Min. | Recommend | Max. | Max. |
| TY**G | 140 | 4 | 8 | 11 | |

Configuration of Key Parts of Truck Attachments

- Hydraulic system: the piston rod of the sideshift oil cylinder adopts the integral type, which is simple in structure and convenient for processing and repairing; the positioning oil cylinder has throttle valve to adjust the fork positioning speed, and the seals adopt well-known brand products with reliable quality.
- Mechanical performance: the shift fork adopts fine steel castings, which is indestructible, and connected with supporting rod to reach compact structure, and light in weight to be convenient for fork installation, and the distance between forks while closing is smaller, respectively and making them close or separate, so as to improve the handling efficiency significantly.



| Capacity@ Load Center (Kg@mm) | Catalog Order No. | Catalog Order No. | Truck Mounting Class | Long Arm Length A (mm) | Short Arm Length B (mm) | Arm Height C (mm) | Weight (kg) | Effective Thickness ET (mm) | Vertical Center of Gravity VCG (mm) | Horizontal Center of Gravity HCG (mm) | Available Forklift (t) |
|----------------------------------|-------------------|-------------------|----------------------|---------------------------|----------------------------|----------------------|----------------|--------------------------------|--|--|---------------------------|
| 2000@1400 | ZJ20L-B1 | 440-1400 | III | 991 | 659 | 50 | 632 | 225 | 432 | 302 | 3-4.5t |
| 2000@1300 | ZJ20L-B2 | 200-1300 | III | 785 | 487 | 50 | 642 | 226 | 430 | 293 | 3-4.5t |
| 2000@1300 | ZJ20L-B3 | 630-1340 | III | 875 | 655 | 50 | 639 | 226 | 430 | 293 | 3-4.5t |
| 2000@1400 | ZJ20L-B14 | 200-1400 | III | 991 | 659 | 50 | 635 | 225 | 432 | 307 | 3-4.5t |

- Notes:
- Please gain the actual overall carrying capacity of forklift trucks/attachments from the forklift truck manufacturers.
 - Forklift truck needs to add two groups of additional oil lines.
 - It can provide non-standard clamping plates suitable for different paper roll clamping requirements according to the needs of users.
 - If the model mantissa is odd, the short arm is fixed, and the even number is short.

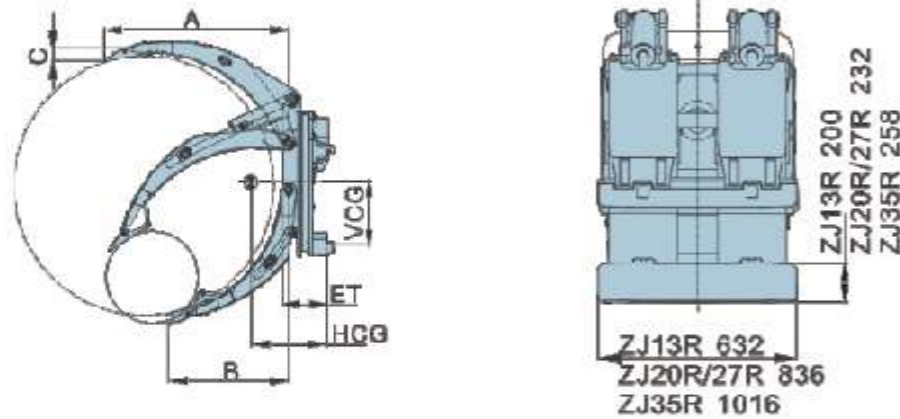
| Model | Pressure Value Bar | | Flow Value L/min | | | | | |
|-------|--------------------|------|------------------|-----------|------|-----------------|-----------|------|
| | Min. | Max. | Rotating action | | | Clamping action | | |
| | | | Min. | Recommend | Max. | Min. | Recommend | Max. |
| ZJ20L | 35 | 160 | 19 | 38 | 57 | 19 | 38 | 57 |

| Model | Rotating speed | Torque |
|-------|------------------|----------------|
| ZJ20L | 4.5r/min@57L/min | 9000N.m@160Bar |



Configuration of Key Parts of Truck Attachments

- Hydraulic system: it adopts two-way hydraulic locks for rotating oil lines so as to realize two-way hydraulic self-locking and ensure the safety at work, and adds hydraulic control check valve for each oil cylinder to realize holding pressure for a long time. All the motors, valves and seals adopt originally imported products; and the high-pressure rubber hoses adopt cone sealed high-performance rubber hoses.
- Structural part: it adopts large-modulus slewing bearing, which has stronger bearing capacity; turbine and worm adopts involute gears, so as to not only increase the efficiency and decrease the heat loss, but also realize the self-locking function.
- Mechanical performance: it can realize the 360° rotation, and change the thickness of the clamp arm, both ends of the clamp arm are welded by V-shape castings so as to increase the capacity of resisting the load impact.
- Applicable scope: it's applied to the papermaking, packaging, printing and other industries, by conducting high-efficiency and non-damage handling and stacking operation for various paper rolls.
- We can provide non-standard clamps to suit different paper rolls upon request. Please contact the sales department for more information.



| Capacity@ Max Diameter | Catalog Order No. | Opening Range | Mounting Class | Long Arm Length | Short Arm Length | Arm Thickness | Weight | Effective Thickness | Vertical Center of Gravity | Horizontal Center of Gravity | Available Forklift |
|---------------------------|----------------------|------------------|-------------------|--------------------|---------------------|------------------|--------|------------------------|----------------------------------|------------------------------------|-----------------------|
| (Kg@mm) | | (mm) | | A (mm) | B (mm) | C (mm) | (kg) | ET (mm) | VCG (mm) | HCG (mm) | (t) |
| 1000@1600 | ZJ10R-A1 | 560-1600 | II | 995 | 675 | 45 | 420 | 135 | 330 | 290 | 1-2.5t |
| 1100@1500 | ZJ11R-A1 | 450-1500 | II | 890 | 640 | 45 | 400 | 135 | 330 | 300 | 1-2.5t |
| 1200@1300 | ZJ12R-A1 | 410-1300 | II | 860 | 570 | 45 | 376 | 135 | 340 | 255 | 1-2.5t |
| 1200@1300 | ZJ12R-B1 | 410-1300 | III | 860 | 570 | 45 | 380 | 135 | 340 | 255 | 3-4.5t |
| 1300@1150 | ZJ13R-A1 | 330-1150 | II | 745 | 535 | 45 | 385 | 135 | 335 | 250 | 1-2.5t |
| 1300@1150 | ZJ13R-B1 | 330-1150 | III | 745 | 535 | 50 | 385 | 135 | 335 | 250 | 3-4.5t |
| 2000@1400 | ZJ20R-A1 | 500-1400 | II | 980 | 665 | 50 | 710 | 240 | 340 | 405 | 2-2.5t |
| 2000@1340 | ZJ20R-A2 | 220-1340 | II | 875 | 655 | 50 | 700 | 240 | 340 | 325 | 2-2.5t |
| 2000@1340 | ZJ20R-A3 | 630-1340 | II | 875 | 655 | 50 | 680 | 240 | 340 | 325 | 2-2.5t |
| 2000@1600 | ZJ20R-A4 | 300-1600 | II | 1075 | 740 | 50 | 860 | 240 | 350 | 385 | 2-2.5t |
| 2000@1600 | ZJ20R-A5 | 600-1600 | II | 1075 | 740 | 50 | 850 | 240 | 350 | 385 | 2-2.5t |
| 1700@1830 | ZJ20R-A6 | 380-1830 | II | 1225 | 815 | 50 | 915 | 240 | 405 | 373 | 2-2.5t |
| 1700@1830 | ZJ20R-A7 | 680-1830 | II | 1225 | 815 | 50 | 895 | 240 | 405 | 373 | 2-2.5t |
| 2000@1520 | ZJ20R-A8 | 250-1520 | II | 1010 | 685 | 50 | 750 | 240 | 350 | 350 | 2-2.5t |
| 2000@1520 | ZJ20R-A9 | 630-1520 | II | 1010 | 685 | 50 | 740 | 240 | 350 | 350 | 2-2.5t |
| 2000@1400 | ZJ20R-B1 | 500-1400 | III | 980 | 665 | 50 | 710 | 240 | 340 | 405 | 3-4.5t |
| 2000@1340 | ZJ20R-B2 | 220-1340 | III | 875 | 655 | 50 | 700 | 240 | 340 | 325 | 3-4.5t |
| 2000@1340 | ZJ20R-B3 | 630-1340 | III | 875 | 655 | 50 | 680 | 240 | 340 | 325 | 3-4.5t |
| 2000@1600 | ZJ20R-B4 | 300-1600 | III | 1075 | 740 | 50 | 810 | 240 | 350 | 385 | 3-4.5t |
| 2000@1600 | ZJ20R-B5 | 600-1600 | III | 1075 | 740 | 50 | 800 | 240 | 350 | 385 | 3-4.5t |
| 1700@1830 | ZJ20R-B6 | 380-1830 | III | 1225 | 815 | 50 | 860 | 240 | 405 | 373 | 3-4.5t |
| 1700@1830 | ZJ20R-B7 | 680-1830 | III | 1225 | 815 | 50 | 850 | 240 | 405 | 373 | 3-4.5t |
| 2000@1520 | ZJ20R-B8 | 250-1520 | III | 1010 | 685 | 50 | 750 | 240 | 350 | 350 | 3-4.5t |
| 2000@1520 | ZJ20R-B9 | 630-1520 | III | 1010 | 685 | 50 | 740 | 240 | 350 | 350 | 3-4.5t |
| 2700@1400 | ZJ27R-B1 | 500-1400 | III | 980 | 665 | 50 | 814 | 213 | 460 | 290 | 3-4.5t |
| 2700@1340 | ZJ27R-B2 | 220-1340 | III | 875 | 655 | 50 | 830 | 213 | 490 | 290 | 3-4.5t |
| 2700@1340 | ZJ27R-B3 | 630-1340 | III | 875 | 655 | 50 | 795 | 213 | 502 | 276 | 3-4.5t |
| 2700@1600 | ZJ27R-B4 | 300-1600 | III | 1075 | 740 | 50 | 910 | 213 | 530 | 330 | 3-4.5t |
| 2700@1600 | ZJ27R-B5 | 600-1600 | III | 1075 | 740 | 50 | 878 | 213 | 516 | 314 | 3-4.5t |
| 2300@1830 | ZJ27R-B6 | 380-1830 | III | 1225 | 815 | 50 | 1110 | 213 | 550 | 355 | 3-4.5t |
| 2300@1830 | ZJ27R-B7 | 680-1830 | III | 1225 | 815 | 50 | 1070 | 213 | 545 | 347 | 3-4.5t |
| 2700@1520 | ZJ27R-B8 | 250-1520 | III | 1010 | 690 | 50 | 855 | 213 | 510 | 300 | 3-4.5t |
| 2700@1520 | ZJ27R-B9 | 630-1520 | III | 1010 | 690 | 50 | 820 | 213 | 500 | 310 | 3-4.5t |
| 2300@1830 | ZJ27R-C7 | 680-1830 | IV | 1225 | 815 | 50 | 1085 | 213 | 545 | 375 | 5-7t |
| 3500@1520 | ZJ35R-B1 | 610-1520 | III | 1025 | 745 | 65 | 1215 | 229 | 560 | 335 | 3-4.5t |
| 3500@1520 | ZJ35R-B2 | 250-1520 | III | 1025 | 745 | 65 | 1235 | 229 | 570 | 340 | 3-4.5t |
| 3500@1520 | ZJ35R-C1 | 610-1520 | IV | 1025 | 745 | 65 | 1215 | 229 | 560 | 335 | 5-7t |
| 3500@1520 | ZJ35R-C2 | 250-1520 | IV | 1025 | 745 | 65 | 1235 | 229 | 570 | 340 | 5-7t |

- Notes: 1. Please gain the actual overall carrying capacity of forklift trucks/attachments from the forklift truck manufacturers.
 2. Forklift truck needs to add two groups of additional oil lines.
 3. It can provide non-standard clamping plates suitable for different paper roll clamping requirements according to the needs of users.
 4. If the model mantissa is odd, the short arm is fixed, and the even number is short.

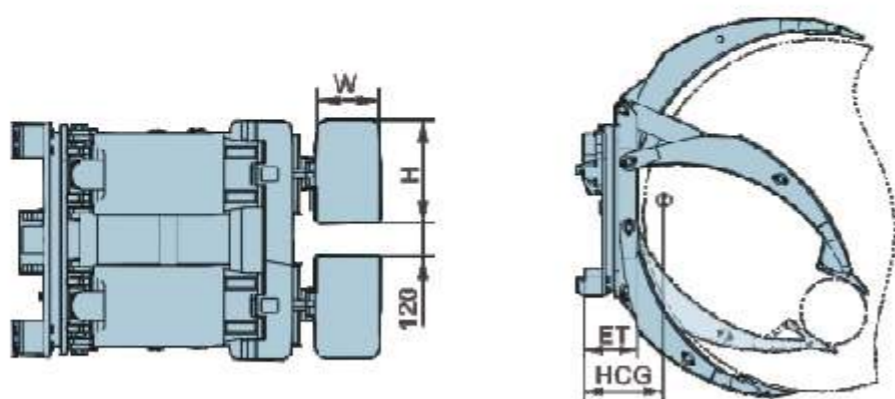


| Model | Rotating speed | Torque |
|-----------|------------------|-----------------|
| ZJ12/13R | 7.5r/min@38L/min | 4200N.m@160Bar |
| ZJ20R/27R | 5.2r/min@57L/min | 9000N.m@160Bar |
| ZJ35R | 4.1r/min@76L/min | 11000N.m@160Bar |

| Model | Pressure Value Bar | | Flow Value L/min | | | | | |
|-----------|-----------------------|------|---------------------|-----------|-----------------|------|-----------|------|
| | Min. | Max. | Rotating action | | Clamping action | | | |
| | | | Min. | Recommend | Max. | Min. | Recommend | Max. |
| ZJ12/13R | 35 | 160 | 19 | 26 | 38 | 19 | 26 | 38 |
| ZJ20R/27R | 35 | 160 | 19 | 38 | 57 | 19 | 38 | 57 |
| ZJ35R | 35 | 160 | 38 | 57 | 76 | 38 | 57 | 76 |

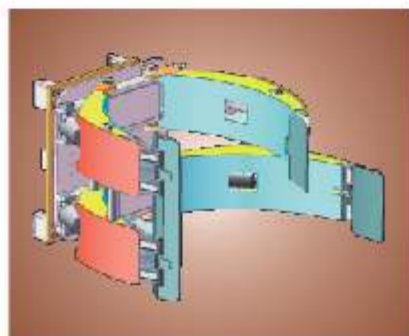
Configuration of Key Parts of Truck Attachments

1. Hydraulic system: it adopts two-way hydraulic locks for rotating oil lines so as to realize two-way hydraulic self-locking and ensure the safety at work, and adds hydraulic control check valve for each oil cylinder to realize holding pressure for a long time. All the motors, valves and seals adopt originally imported products; and the high-pressure rubber hoses adopt cone sealed high-performance rubber hoses.
2. Structural part: it adopts large-modulus slewing bearing, which has stronger bearing capacity; turbine and worm adopts involute gears, so as to not only increase the efficiency and decrease the heat loss, but also realize the self-locking function.
3. Mechanical performance: it can realize the 360° rotation, and the clamp arm body is welded by high-strength alloy structural steels, so as to ensure the strength of clamp arm at work and avoid the damage of impact load.
4. Applicable scope: it's applied to the papermaking, packaging, printing and other industries, by conducting high-efficiency and non-damage handling and stacking operation for various paper rolls.
5. We can provide non-standard clamps to suit different paper rolls upon request. Please contact the sales department for more information.



| Capacity@ Max Diameter (Kg@mm) | Catalog Order No. | Mounting Class | Pod Size H×W (mm) | Weight (kg) | Effective Thickness ET (mm) | Horizontal Center of Gravity HCG (mm) | Available Forklift (t) |
|--------------------------------------|----------------------|-------------------|-------------------------|----------------|--------------------------------------|---|------------------------------|
| 2000@1340 | ZJ20A-B3 | III | 2×(358×232) | 680 | 240 | 325 | 3-4.5t |
| 2000@1600 | ZJ20A-B4 | III | 2×(358×232) | 810 | 240 | 340 | 3-4.5t |
| 2700@1520 | ZJ27A-B8 | III | 2×(358×232) | 855 | 213 | 300 | 3-4.5t |

- Notes: 1. Please gain the actual overall carrying capacity of forklift trucks/attachments from the forklift truck manufacturers.
 2. Forklift truck needs to add two groups of additional oil lines.
 3. It can provide non-standard clamping plates suitable for different paper roll clamping requirements according to the needs of users.

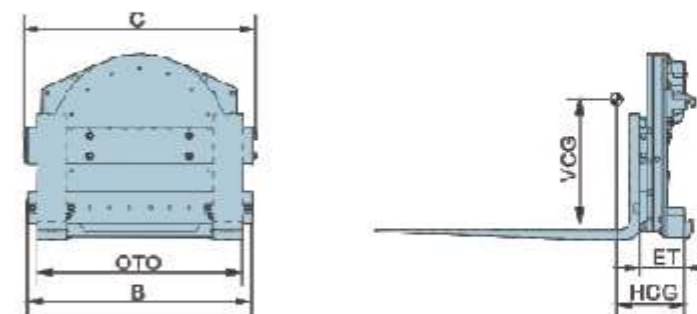


| Model | Pressure Value Bar | | Flow Value L/min | | | Rotating action | | Clamping action | |
|-------|-----------------------|------|---------------------|-----------|------|-----------------|-----------|-----------------|--|
| | Min. | Max. | Min. | Recommend | Max. | Min. | Recommend | Max. | |
| ZJ**A | 35 | 160 | 19 | 38 | 57 | 19 | 38 | 57 | |

| Model | Rotating speed | Torque |
|-------|------------------|----------------|
| ZJ**A | 5.2r/min@57L/min | 9000N.m@160Bar |

Configuration of Key Parts of Truck Attachments

1. Hydraulic system: it adopts two-way hydraulic locks for rotating oil lines so as to realize two-way hydraulic self-locking and ensure the safety at work, and adds hydraulic control check valve for each oil cylinder to realize holding pressure for a long time. All the motors, valves and seals adopt originally imported products; and the high-pressure rubber hoses adopt cone sealed high-performance rubber hoses.
2. Structural part: it adopts large-modulus slewing bearing, which has stronger bearing capacity; turbine and worm adopts involute gears, so as to not only increase the efficiency and decrease the heat loss, but also realize the self-locking function.
3. Mechanical performance: both parts of the long arm can act respectively so as to realize clamping two paper rolls with different diameters at one time; its uniqueness lies in that while clamping a single paper roll, it only needs the corresponding long arm to clamp while the other one need not to do so, so as to increase the operating efficiency.
4. Applicable scope: it's applied to the papermaking, packaging, printing and other industries, by conducting high-efficiency and non-damage handling and stacking operation for various paper rolls.



Suitable for casting industry

| Capacity@ Load Center (Kg@mm) | Catalog Order No. | Overall Width C (mm) | Carriage Width B (mm) | Fork Pocket Width (mm) | Fork Max Spacing OTO (mm) | Mounting Class | Effective Thickness ET (mm) | Horizontal Center of Gravity HCG (mm) | Vertical Center Gravity VCG (mm) | Weight (kg) | Available Forklift (t) |
|-------------------------------------|----------------------|-------------------------------|--------------------------------|------------------------------|------------------------------------|-------------------|--------------------------------------|---|--|----------------|------------------------------|
| 1700@500 | XZ17J-A1 | 840 | 815 | 100 | 712 | II / II | 128 | 68 | 260 | 195 | 1-2.5t |
| 2200@500 | XZ22J-A1 | 1180 | 1145 | 100/122 | 1040 | II / II | 189 | 125 | 310 | 293 | 1-2.5t |
| 2200@500 | XZ22J-A2 | 975 | 942 | 100/122 | 840 | II / II | 189 | 125 | 305 | 279 | 1-2.5t |
| 2200@500 | XZ22J-A3 | 840 | 815 | 100/122 | 713 | II / II | 189 | 125 | 305 | 335 | 1-2.5t |
| 2200@500 | XZ22J-B1 | 970 | 942 | 100/122 | 840 | III / II | 189 | 125 | 305 | 342 | 3-3.5t |
| 3000@500 | XZ30J-B5 | 1363 | 1343 | 125 | 1260 | III / III | 202 | 125 | 292 | 412 | 3-4.5t |
| 3000@500 | XZ30J-B1 | 1180 | 1145 | 125 | 1060 | III / III | 202 | 125 | 292 | 392 | 3-4.5t |
| 3000@500 | XZ30J-B2 | 1410 | 1375 | 125 | 1290 | III / III | 202 | 125 | 292 | 415 | 3-4.5t |
| 3000@500 | XZ30J-B3 | 1180 | 1145 | 125/100 | 1065 | III / II | 202 | 125 | 310 | 331 | 3-4.5t |
| 3000@500 | XZ30J-B4 | 1305 | 1270 | 125 | 1158 | III / III | 202 | 125 | 292 | 406 | 3-4.5t |
| 3500@500 | XZ35J-B1 | 1275 | 1240 | 125/150 | 1157 | III / III | 207 | 136 | 297 | 415 | 3-4.5t |
| 3500@500 | XZ35J-B2 | 1100 | 1065 | 125/150 | 925 | III / III | 207 | 135 | 280 | 398 | 3-4.5t |
| 3500@500 | XZ35J-B3 | 1633 | 1600 | 125/150 | 1500 | III / III | 207 | 138 | 295 | 476 | 3-4.5t |
| 3500@500 | XZ35J-B4 | 1275 | 1240 | 125/150 | 1135 | III / III | 207 | 135 | 322 | 406 | 3-4.5t |
| 4500@500 | XZ45J-B1 | 1600 | 1575 | 125/150 | 1445 | III / III | 220 | 139 | 322 | 610 | 3-4.5t |
| 4500@500 | XZ45J-B2 | 1341 | 1300 | 125/150 | 1200 | III / III | 220 | 135 | 280 | 572 | 3-4.5t |
| 4500@500 | XZ45J-B3 | 1585 | 1550 | 125/150 | 1470 | III / IV | 183 | 102 | 300 | 603 | 3-4.5t |
| 4500@500 | XZ45J-B4 | 1560 | 1525 | 125 | 1413 | III / III | 220 | 135 | 322 | 685 | 3-4.5t |
| 5400@500 | XZ60J-C1 | 1585 | 1550 | 150 | 1470 | IV / IV | 233 | 139 | 322 | 667 | 5-7t |
| 5400@500 | XZ60J-C2 | 1149 | 1115 | 150/125 | 985 | IV / III | 233 | 139 | 322 | 623 | 5-7t |
| 5400@500 | XZ60J-C3 | 1609 | 1575 | 150/125 | 1445 | IV / III | 233 | 139 | 322 | 679 | 5-7t |
| 5400@500 | XZ60J-C4 | 1735 | 1700 | 150 | 1612 | IV / IV | 233 | 139 | 322 | 689 | 5-7t |
| 5400@500 | XZ60J-C5 | 1815 | 1780 | 150 | 1700 | IV / IV | 233 | 139 | 322 | 735 | 5-7t |

- Notes: 1. Please gain the actual overall carrying capacity of forklift truck attachments from the forklift truck manufacturers.
 2. It can add forks according to the needs of users, and please pay attention to the bearing capacity of the fork itself.
 3. Forklift truck needs to add a group of additional oil lines.
 4. Forks equipped for rotators must be welded with middle hooks, and the whole machine of rotators out of factory shall be attached with middle hooks.
 5. Rotators applicable for metallurgic industry can be provided with fitted forks. Please contact our sales department for more information.

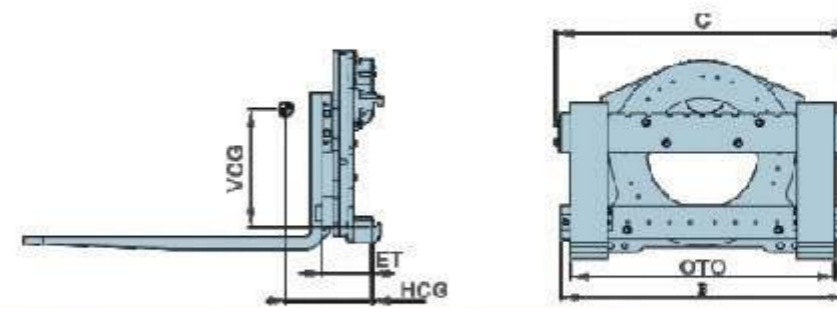


| Model | Pressure Value Bar | | Flow Value L/min | | |
|-------------|--------------------|------|------------------|-----------|------|
| | Min. | Max. | Min. | Recommend | Max. |
| XZ17J | 35 | 160 | 19 | 26 | 38 |
| XZ22/30/35J | 35 | 160 | 19 | 38 | 57 |
| XZ45/60J | 35 | 160 | 38 | 57 | 76 |
| XZ100J | 35 | 160 | 45 | 76 | 95 |
| XZ17L | 35 | 160 | 19 | 26 | 38 |
| XZ22/30/35L | 35 | 160 | 19 | 38 | 57 |
| XZ60L | 35 | 160 | 38 | 57 | 76 |

| Model | Rotating speed | Torque |
|-------------|------------------|-----------------|
| XZ17J | 7.5r/min@38L/min | 4200N.m@160Bar |
| XZ22/30/35J | 5.2r/min@57L/min | 9000N.m@160Bar |
| XZ45/60J | 4.1r/min@57L/min | 11000N.m@160Bar |
| XZ100J | 3.3r/min@91L/min | 24000N.m@160Bar |
| XZ17L | 7.5r/min@38L/min | 4200N.m@160Bar |
| XZ22/30/35L | 6.5r/min@57L/min | 10000N.m@160Bar |
| XZ60L | 4.1r/min@57L/min | 11000N.m@160Bar |

Configuration of Key Parts of Truck Attachments

1. Hydraulic system: it adopts two-way hydraulic locks so as to realize two-way hydraulic self-locking and ensure the safety at work; all the motors, valves and seals adopt originally imported products.
2. Structural part: it adopts large-modulus slewing bearing, which has stronger bearing capacity; turbine and worm adopts involute gears, so as to not only increase the efficiency and decrease the heat loss, but also realize the self-locking function.
3. Mechanical performance: it can realize the 360° two-way rotation, and it can meet the requirements just by adding a group of oil lines; and it can directly use the standard fork without needing any modification.
4. Applicable scope: it's widely used in food, automatic production, chemical, materials recycle, melting casting and other industries, and the sites need rotating to tip and mix the hoppers or boxes, and it can tip or change the cargoes quickly, and then bring back the fork to the original position immediately and consistently.

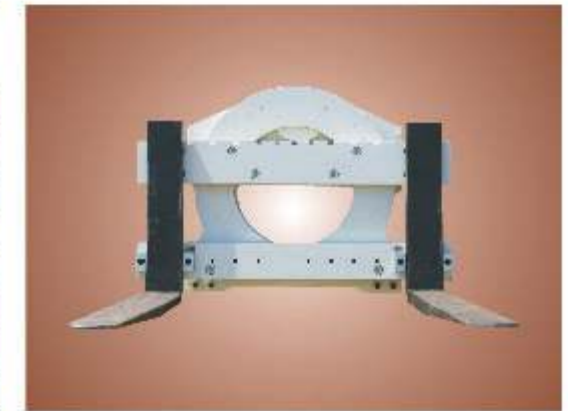


| Capacity@ Load Center | Catalog Order No. | Overall width C (mm) | Carriage Width B (mm) | Fork Pocket Width (mm) | Fork Max Spacing (mm) | Mounting Class | Effective Thickness ET (mm) | Horizontal Center Gravity HCG (mm) | Vertical Center Gravity VCG (mm) | Weight (kg) | Available Forklift (t) |
|-----------------------|-------------------|----------------------|-----------------------|------------------------|-----------------------|----------------|-----------------------------|------------------------------------|----------------------------------|-------------|------------------------|
| 1700@500 | XZ17L-A1 | 843 | 815 | 100 | 725 | II/II | 128 | 61 | 215 | 200 | 1-2.5t |
| 2200@500 | XZ22L-A2 | 975 | 942 | 100/122 | 862 | II/II | 194 | 102 | 297 | 270 | 2-2.5t |
| 3000@500 | XZ30L-B1 | 1180 | 1145 | 125 | 1062 | III/III | 194 | 121 | 310 | 362 | 3-4.5t |
| 3500@500 | XZ35L-B1 | 1275 | 1240 | 125/150 | 1160 | III/III | 210 | 169 | 310 | 383 | 3-4.5t |
| 5400@500 | XZ60L-C1 | 1585 | 1550 | 150 | 1470 | IV/IV | 233 | 139 | 322 | 640 | 5-7t |

- Notes:
1. Please gain the actual overall carrying capacity of forklift truck attachments from the forklift truck manufacturers.
 2. It can add forks according to the needs of users, and please pay attention to the bearing capacity of the fork itself.
 3. Forklift truck needs to add a group of additional oil lines.
 4. Forks equipped for rotators must be welded with middle hooks, and the whole machine of rotators out of factory shall be attached with middle hooks.
 5. Rotators applicable for metallurgical industry can be provided with fitted forks. Please contact our sales department for more information.

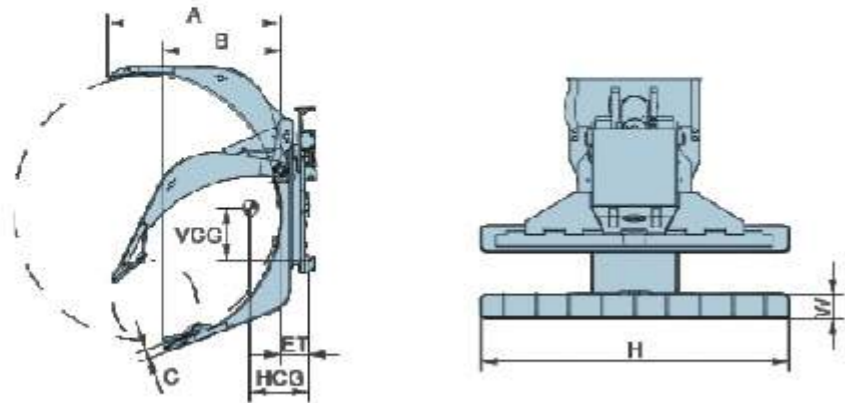
| Model | Pressure Value Bar | | Flow Value L/min | | |
|----------|--------------------|------|------------------|-----------|------|
| | Min. | Max. | Min. | Recommend | Max. |
| XZ17L-A1 | 35 | 160 | 19 | 26 | 38 |
| XZ22L-A2 | 35 | 160 | 19 | 38 | 57 |
| XZ30L-B1 | 35 | 160 | 19 | 38 | 57 |
| XZ35L-B1 | 35 | 160 | 19 | 38 | 57 |
| XZ60L-C1 | 35 | 160 | 38 | 57 | 76 |

| Model | Rotating speed | Torque |
|----------|------------------|-----------------|
| XZ17L-A1 | 7.5r/min@38L/min | 4200N.m@160Bar |
| XZ22L-A2 | 5.2r/min@57L/min | 9000N.m@160Bar |
| XZ30L-B1 | 5.2r/min@57L/min | 9000N.m@160Bar |
| XZ35L-B1 | 5.2r/min@57L/min | 9000N.m@160Bar |
| XZ60L-C1 | 4.1r/min@57L/min | 11000N.m@160Bar |



Configuration of Key Parts of Truck Attachments

1. Hydraulic system: all the motors, valves and seals adopt originally imported products.
2. Structural part: it adopts large-modulus slewing bearing, which has stronger bearing capacity; turbine and worm adopts involute gears, so as to not only increase the efficiency and decrease the heat loss, but also realize the self-locking function.
3. Mechanical performance: it can realize the 360° two-way rotation, and it can meet the requirements just by adding a group of oil lines; and it can directly use the standard fork without needing any modification.
4. Applicable scope: it's widely used in food, automatic production, chemical, materials recycle, melting casting and other industries, and the sites need rotating to tip and mix the hoppers or boxes, and it can tip or change the cargoes quickly, and then bring back the fork to the original position immediately and consistently.



| Capacity | Catalog Order No. | Mounting Class | Roll Range | Long Arm Length | Short Arm Length | Weight | Effective Thickness | Vertical Center of Gravity | Horizontal Center of Gravity | Arm Thickness | Contact Pad Size | Available Forklift |
|----------|-------------------|----------------|------------|-----------------|------------------|--------|---------------------|----------------------------|------------------------------|---------------|------------------|--------------------|
| Kg | | | (mm) | A (mm) | B (mm) | (kg) | ET (mm) | VCG (mm) | HCG (mm) | C (mm) | W×H (mm) | (t) |
| 1200 | LT12G-A1 | II | 410-1300 | 858 | 575 | 470 | 135 | 330 | 335 | 45 | 250×1500 | 1-2.5t |
| 1200 | LT12G-B1 | III | 410-1300 | 858 | 575 | 472 | 135 | 330 | 340 | 45 | 250×1500 | 3-4.5t |
| 1200 | LT12G-A2 | II | 410-1300 | 858 | 575 | 490 | 135 | 300 | 340 | 45 | 250×1600 | 1-2.5t |
| 1700 | LT17G-B1 | III | 680-1830 | 1225 | 815 | 927 | 240 | 410 | 380 | 45 | 250×1500 | 3-4.5t |
| 1700 | LT17G-C2 | IV | 380-1830 | 1225 | 815 | 1000 | 253 | 333 | 420 | 45 | 250×1500 | 5-7t |
| 2000 | LT20G-B4 | III | 300-1600 | 1035 | 786 | 920 | 240 | 430 | 415 | 45 | 250×1500 | 3-4.5t |
| 2000 | LT20G-B5 | III | 600-1600 | 1035 | 786 | 900 | 240 | 428 | 410 | 45 | 250×1500 | 3-4.5t |
| 2000 | LT20G-B9 | III | 630-1520 | 1005 | 700 | 800 | 240 | 400 | 415 | 45 | 250×1500 | 3-4.5t |

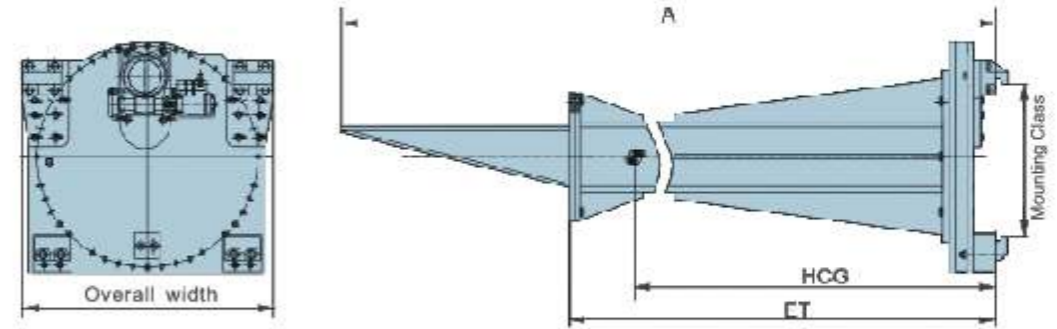
Notes: 1. Please gain the actual overall carrying capacity of forklift trucks/ attachments from the forklift truck manufacturers.
2. Forklift truck needs to add two groups of additional oil lines so as to match the attachments.



| Model | Pressure Value Bar | | Flow Value L/min | | |
|-------|--------------------|------|------------------|-----------|------|
| | Min. | Max. | Min. | Recommend | Max. |
| LT**G | 35 | 160 | 19 | 26 | 38 |

Configuration of Key Parts of Truck Attachments

1. Hydraulic system: all motors and other key hydraulic components adopt originally imported hydraulic products; all the seals adopt imported products; and the high-pressure rubber hoses adopt cone sealed high-performance imported rubber hoses.
2. Structural part: it adopts large-modulus slewing bearing, which has stronger bearing capacity; turbine and worm adopts involute gears, so as to not only increase the efficiency and decrease the heat loss, but also realize the self-locking function.
3. Mechanical performance: it can realize the 360°two-way rotation, and it adopts two-way hydraulic locks for rotating oil lines so as to realize two-way hydraulic self-locking and ensure the safety at work. And it adds hydraulic control check valve for each oil cylinder to realize holding pressure for a long time; and the clamp arm body adopts high-strength steels, so as to ensure the strength of clamp arm at work.



| Capacity@ Load Center | Catalog Order No. | Overall Width | Overall Length | Mounting Class | Effective Thickness | Weight | Horizontal Center of Gravity | Shovel Pyle | Available Forklift |
|-----------------------|-------------------|---------------|----------------|----------------|---------------------|--------|------------------------------|-------------|--------------------|
| (Kg@mm) | | (mm) | A (mm) | | ET (mm) | (kg) | (mm) | | (t) |
| 1500@2780 | SL15G-B1 | 986 | 3230 | III | 2310 | 1010 | 1250 | wedge | 3-4.5t |
| 600@3460 | SL06G-C1 | 986 | 3760 | IV | 3162 | 1000 | 1300 | wedge | 5-7t |
| 800@2780 | SL08G-C1 | 986 | 3200 | IV | 2500 | 1100 | 1550 | wedge | 5-7t |
| 1000@3000 | SL10G-B1 | 986 | 3704 | III | 2604 | 1200 | 1370 | hopper | 3-4.5t |
| 1000@3470 | SL10G-C1 | 986 | 3700 | IV | 3240 | 1120 | 1310 | flat shovel | 5-7t |
| 1000@3000 | SL10G-C2 | 986 | 3690 | IV | 2465 | 1066 | 1070 | fork | 5-7t |
| 1000@3000 | SL10G-C3 | 986 | 3705 | IV | 2635 | 1100 | 1025 | fork | 5-7t |
| 1000@2780 | SL10G-C4 | 986 | 3700 | IV | 2465 | 1100 | 1046 | fork | 5-7t |
| 1000@2780 | SL10G-C5 | 986 | 3675 | IV | 2870 | 1000 | 975 | fork | 5-7t |
| 1500@2780 | SL15G-B2 | 986 | 3204 | III | 2225 | 1050 | 960 | fork | 3-4.5t |
| 1500@2780 | SL15G-C1 | 986 | 3230 | IV | 2310 | 1020 | 1020 | wedge | 5-7t |
| 1500@3000 | SL15G-C2 | 986 | 3200 | IV | 2244 | 1010 | 1010 | wedge | 5-7t |
| 1500@2900 | SL15G-C3 | 986 | 3490 | IV | 2390 | 1120 | 1300 | fork | 5-7t |
| 1500@3000 | SL15G-C4 | 986 | 3380 | IV | 2380 | 1050 | 1250 | wedge | 5-7t |
| 1500@3000 | SL15G-C5 | 986 | 3600 | IV | 2898 | 1190 | 1334 | fork | 5-7t |
| 1500@2500 | SL20G-C1 | 986 | 3100 | IV | 2000 | 1100 | 866 | fork | 5-7t |

Notes: 1. Please gain the actual overall carrying capacity of forklift trucks/ attachments from the forklift truck manufacturers.
2. Forklift truck needs to add one groups of additional oil lines so as to match the attachments.

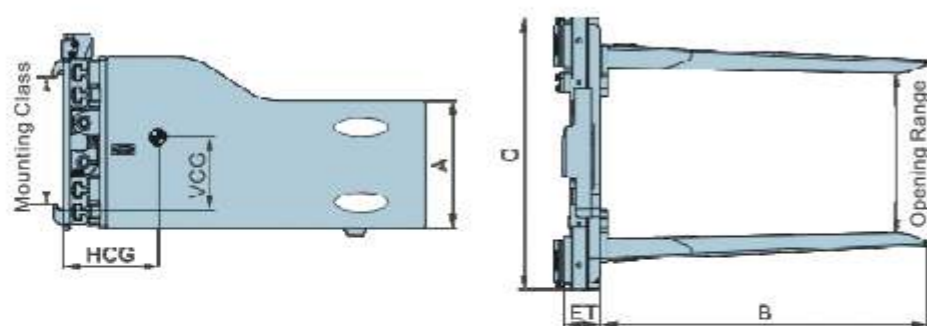
| Model | Pressure Value Bar | | Flow Value L/min | | |
|-------|--------------------|------|------------------|-----------|------|
| | Min. | Max. | Min. | Recommend | Max. |
| SL**G | 35 | 160 | 19 | 38 | 57 |

| Model | Rotating speed | Torque |
|-------|------------------|---------------|
| SL**G | 4.1r/min@57L/min | 11000Nm@16MPa |



Configuration of Key Parts of Truck Attachments

1. Hydraulic system: all motors and other key hydraulic components adopt originally imported hydraulic products; all the seals adopt imported products; and it adopts two-way hydraulic self-locking in the rotating oil lines so as to ensure the safety at work.
2. Structural part: it adopts large-modulus slewing bearing, which has stronger bearing capacity; turbine and worm adopts involute gears, so as to not only increase the efficiency and decrease the heat loss, but also realize the self-locking function.
3. Mechanical performance: it can realize the 360°two-way rotation, and it can meet the requirements just by adding a group of oil lines; and the main parts are welded by high-performance alloy steel plates.
4. Applicable scope: it can realize the safe operation of steel making or aluminum making companies under H remote distance and high temperature environment.



| Capacity@ Load Center (Kg@mm) | Catalog Order No. | Opening Range (mm) | Arm Thickness (mm) | Mounting Class | Weight (kg) | Effective Thickness ET (mm) | Horizontal Center of Gravity (mm) | Vertical Ctr. of Gravity (mm) | Arm Height A (mm) | Arm length (mm) | Overall Height (mm) | Minimum Truck Carriage Width (mm) | Frame Width (mm) | Available Forklift (t) |
|----------------------------------|-------------------|-----------------------|-----------------------|----------------|----------------|--------------------------------|--------------------------------------|----------------------------------|----------------------|--------------------|------------------------|--------------------------------------|---------------------|---------------------------|
| 2200@500 | RJ20J-A1 | 615-1925 | 100 | II | 580 | 159 | 313 | 247 | 550 | 1200 | 745 | 920 | 1010 | 1-2.5t |
| 2200@500 | RJ20J-B1 | 615-1925 | 100 | III | 540 | 159 | 277 | 240 | 475 | 1200 | 745 | 950 | 1010 | 3-4.5t |
| 2200@500 | RJ20J-B2 | 510-2375 | 100 | III | 660 | 159 | 237 | 240 | 475 | 1200 | 765 | 1040 | 1680 | 3-4.5t |

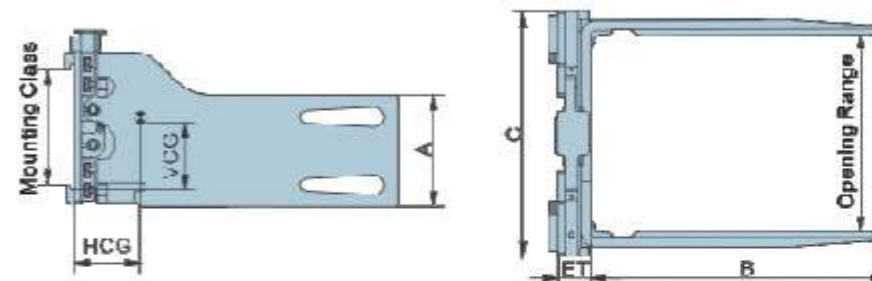
- Notes: 1. Please gain the actual overall carrying capacity of forklift trucks/ attachments from the forklift truck manufacturers.
 2. Forklift truck needs to add two groups of additional oil lines so as to match the attachments.
 3. The arm thickness is the needed minimum wedge gap size when clamping, but not the real thickness.



| Model | Pressure Value Bar | | Flow Value L/min | | | | | |
|--------------|--------------------|------|------------------|------|-----------------|----------------|----|----|
| | Min. | Max. | Sideshift action | | Clamping action | | | |
| | | | Min. Recommend | Max. | Min. | Recommend Max. | | |
| RJ**J | 35 | 160 | 4 | 23 | 40 | 15 | 38 | 40 |

Configuration of Key Parts of Truck Attachments

1. Hydraulic system: the load keeping valves of the main control valves adopt originally imported products; all the seals adopt imported products; and the high-pressure rubber hoses adopt cone sealed high-performance rubber hoses.
2. Structural part: the left and right clamping panels adopt high-performance alloy steel plates, and the connection blocks are integrally charged by high-strength plates with good anti-bending performance.
3. Mechanical performance: it's equipped with side shifting function inside, which can realize the clamping/opening and side shifting functions simultaneously with good view.
4. Applicable scope: it can handle almost all kinds of bales efficiently and economically, such as cotton, wool, hay, and crushed aggregates, etc.



| Capacity@ Load Center (Kg@mm) | Catalog Order No. | Mounting Class | Opening Range (mm) | Arm Thickness (mm) | Arm Height A (mm) | Arm Length B (mm) | Frame Width C (mm) | Overall Height (mm) | Minimum Truck Carriage Width (mm) | Weight (kg) | Effective Thickness ET (mm) | Vertical Center of Gravity VCG (mm) | Horizontal Center of Gravity HCG (mm) | Available Forklift (t) |
|----------------------------------|-------------------|----------------|-----------------------|-----------------------|----------------------|----------------------|-----------------------|------------------------|--------------------------------------|----------------|--------------------------------|--|--|---------------------------|
| 1800@500 | RJ18ST-A1 | II | 460-1680 | 70 | 418 | 1190 | 1040 | 685 | 825 | 520 | 117 | 177 | 330 | 1-2.5t |
| 1900@500 | RJ18ST-A2 | II | 580-1960 | 70 | 418 | 1190 | 1100 | 685 | 900 | 530 | 117 | 177 | 323 | 1-2.5t |
| 1900@500 | RJ18ST-A3 | II | 460-1740 | 70 | 418 | 1190 | 1040 | 647 | 825 | 520 | 117 | 177 | 328 | 1-2.5t |
| 1900@500 | RJ18ST-B1 | III | 460-1740 | 70 | 418 | 1190 | 1040 | 690 | 885 | 530 | 122 | 226 | 320 | 3-4.5t |
| 2200@500 | RJ22ST-B1 | III | 460-2325 | 75 | 460 | 1200 | 1680 | 750 | 1040 | 715 | 132 | 237 | 263 | 3-4.5t |
| 2200@500 | RJ22ST-B2 | III | 600-2465 | 75 | 460 | 1200 | 1680 | 750 | 1040 | 750 | 132 | 241 | 254 | 3-4.5t |
| 2700@500 | RJ25ST-B1 | III | 565-1880 | 75 | 460 | 1200 | 1010 | 750 | 1000 | 650 | 132 | 228 | 318 | 3-4.5t |
| 2700@500 | RJ25ST-B5 | III | 555-1925 | 75 | 460 | 1200 | 1100 | 750 | 1000 | 670 | 132 | 232 | 313 | 3-4.5t |
| 2700@500 | RJ25ST-B17 | III | 550-2125 | 75 | 460 | 1200 | 1265 | 750 | 1030 | 710 | 132 | 233 | 298 | 3-4.5t |

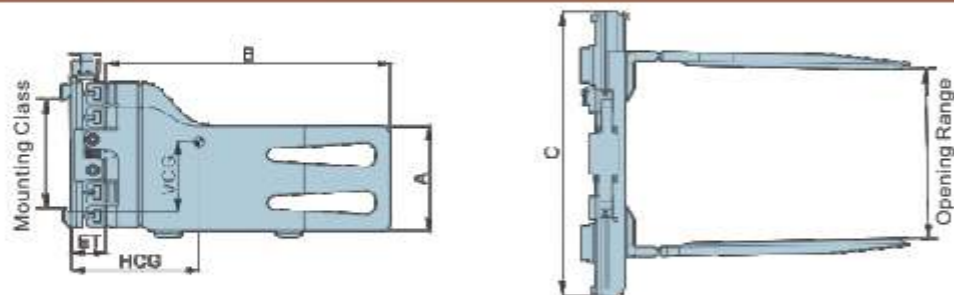
- Notes: 1. Please gain the actual overall carrying capacity of forklift trucks/attachments from the forklift truck manufacturers.
 2. Forklift truck needs to add two groups of additional oil lines so as to match the attachments.
 3. The arm thickness is the needed minimum wedge gap size when clamping, but not the real thickness.

| Model | Pressure Value Bar | | Flow Value L/min | | | | | |
|---------------|--------------------|--|------------------|------|-----------------|----------------|----|----|
| | Max. | | Sideshift action | | Clamping action | | | |
| | | | Min. Recommend | Max. | Min. | Recommend Max. | | |
| RJ**ST | 160 | | 4 | 23 | 40 | 15 | 38 | 40 |



Configuration of Key Parts of Truck Attachments

1. Hydraulic system: the load keeping valves of the main control valves adopt originally imported products; all the seals adopt imported products; and the high-pressure rubber hoses adopt cone sealed high-performance rubber hoses.
2. Structural part: the left and right clamping panels adopt high-performance alloy steel plates, and the connection blocks are integrally charged by high-strength plates with good anti-bending performance.
3. Mechanical performance: it's equipped with side shifting function inside, which can realize the clamping/opening and side shifting functions simultaneously with good view; and it can meet the use requirements by adding two groups of oil lines.
4. Applicable scope: it can handle almost all kinds of bales efficiently and economically, such as cotton, wool, textile fibers, corrugated plates, white board paper, rags, hay, and industrial scraps, etc...



| Capacity@ Load center | Catalog Order No. | Mounting Class | Opening Range | Arm Thickness | Arm Height | Arm Length | Frame Width | Weight | Effective Thickness | Minimum Truck Carriage width | Overall Height | Vertical Center of Gravity | Horizontal Center of Gravity | Available Forklift |
|-----------------------|-------------------|----------------|---------------|---------------|------------|------------|-------------|--------|---------------------|------------------------------|----------------|----------------------------|------------------------------|--------------------|
| Kg | | | (mm) | (mm) | E (mm) | B (mm) | (mm) | (kg) | ET (mm) | (mm) | (mm) | VCG (mm) | HCG (mm) | (t) |
| 2000@500 | RJ20ST-A2 | II | 740-2110 | 75 | 460 | 1220 | 1250 | 800 | 154 | 1000 | 807 | 210 | 320 | 1-2.5t |
| 2500@500 | RJ25ST-A2 | II | 440-2305 | 75 | 460 | 1220 | 1700 | 860 | 154 | 1000 | 807 | 220 | 300 | 1-2.5t |
| 2500@500 | RJ25ST-B2 | III | 440-2305 | 75 | 460 | 1220 | 1700 | 890 | 154 | 1000 | 807 | 235 | 295 | 3-4.5t |
| 2500@500 | RJ25ST-B10 | III | 590-2455 | 75 | 460 | 1220 | 1700 | 890 | 154 | 1000 | 807 | 235 | 295 | 3-4.5t |
| 3000@500 | RJ30ST-A3 | II | 520-1880 | 75 | 460 | 1220 | 1130 | 750 | 154 | 1000 | 807 | 233 | 324 | 1-2.5t |
| 3000@500 | RJ30ST-B1 | III | 740-2110 | 75 | 460 | 1220 | 1250 | 790 | 154 | 1000 | 807 | 232 | 295 | 3-4.5t |
| 3000@500 | RJ30ST-B5 | III | 520-1880 | 75 | 460 | 1220 | 1130 | 750 | 154 | 1000 | 807 | 230 | 324 | 3-4.5t |
| 3000@500 | RJ30ST-C2 | IV | 535-2135 | 75 | 460 | 1220 | 1370 | 860 | 154 | 1000 | 955 | 233 | 288 | 5-7t |

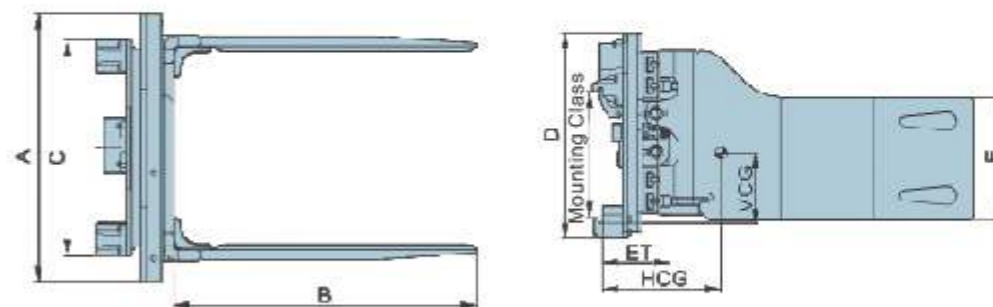
Notes: 1. Please gain the actual overall carrying capacity of forklift trucks/attachments from the forklift truck manufacturers.
 2. Forklift truck needs to add two groups of additional oil lines so as to match the attachments.
 3. The arm thickness is the needed minimum wedge gap size when clamping, but not the real thickness.



| Model | Pressure Value Bar | | Flow Value L/min | | | | |
|--------|--------------------|----------------|------------------|----------------|------|----------------|----|
| | Max. | Min. Recommend | Max. | Min. Recommend | Max. | Min. Recommend | |
| RJ**ST | 160 | 4 | 23 | 40 | 15 | 38 | 40 |

Configuration of Key Parts of Truck Attachments

1. Hydraulic system: the load keeping valves of the main control valves adopt originally imported products; all the seals adopt imported products; and the high-pressure rubber hoses adopt cone sealed high-performance rubber hoses.
2. Structural part: the left and right clamping panels adopt high-performance alloy steel plates, and the connection blocks are integrally charged by high-strength plates with good anti-bending performance.
3. Mechanical performance: it's equipped with side shifting function inside, which can realize the clamping/opening and side shifting functions simultaneously with good view; and it can meet the use requirements by adding two groups of oil lines.
4. Applicable scope: it can handle almost all kinds of bales efficiently and economically, such as cotton, wool, textile fibers, corrugated plates, white board paper, rags, hay, and industrial scraps, etc...



| Capacity@ Load Center | Catalog Order No. | Mounting Class | Opening Range | Arm Thickness | Arm Height | Arm Length | Frame Width | Overall Height | Weight | Effective Thickness | Vertical Center of Gravity | Horizontal Center of Gravity | Available Forklift |
|-----------------------|-------------------|----------------|---------------|---------------|------------|------------|-------------|----------------|--------|---------------------|----------------------------|------------------------------|--------------------|
| (Kg@mm) | | | (mm) | (mm) | E (mm) | B (mm) | A (mm) | D (mm) | (kg) | ET (mm) | VCG (mm) | HCG (mm) | (t) |
| 2700@500 | RJ30RT-B1 | III | 565-1880 | 75 | 460 | 1200 | 1010 | 769 | 750 | 259 | 388 | 306 | 3-4.5t |
| 1900@500 | RJ19RT-A2 | II | 460-1680 | 70 | 418 | 1190 | 1040 | 769 | 760 | 257 | 302 | 343 | 1-2.5t |
| 2700@500 | RJ30RT-B2 | III | 650-2020 | 75 | 460 | 1200 | 1100 | 769 | 900 | 259 | 337 | 318 | 3-4.5t |

Notes: 1. Please gain the actual overall carrying capacity of forklift trucks/attachments from the forklift truck manufacturers.
 2. Forklift truck needs to add two groups of additional oil lines so as to match the attachments.
 3. The arm thickness is the needed minimum wedge gap size when clamping, but not the real thickness.

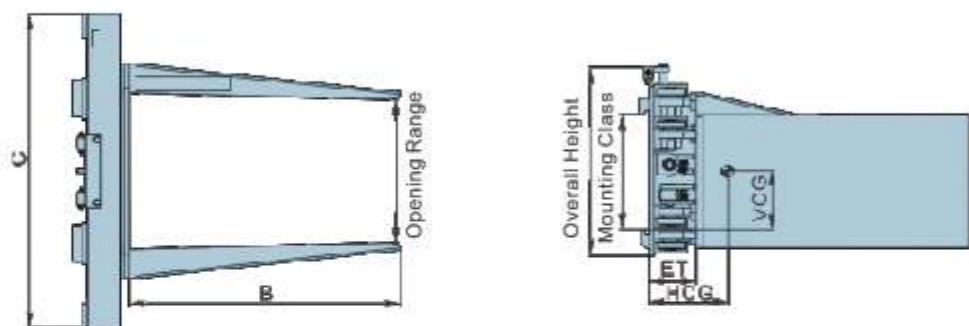
| Model | Pressure Value Bar | | Flow Value L/min | | | | | |
|--------|--------------------|------|------------------|------|-----------------|-----------|----|----|
| | Min. | Max. | Rotating action | | Clamping action | | | |
| | | | Min. Recommend | Max. | Min. | Recommend | | |
| RJ**RT | 35 | 160 | 19 | 38 | 57 | 26 | 38 | 57 |

| Model | Rotating speed | | Torque | |
|----------|------------------|------|----------------|------|
| | Min. | Max. | Min. | Max. |
| RJ**RT-A | 3.5r/min@38L/min | | 4200N.m@160Bar | |
| RJ**RT-B | 5.2r/min@57L/min | | 9000N.m@160Bar | |



Configuration of Key Parts of Truck Attachments

1. Hydraulic system: it adopts two-way hydraulic locks for rotating oil lines so as to realize two-way hydraulic self-locking and ensure the safety at work; all the motors, valves and seals adopt originally imported products, and the rotating oil hinge has the self-locking function; and the high-pressure rubber hoses adopt cone sealed high-performance rubber hoses.
2. Structural part: the left and right clamping panels adopt high-performance alloy steel plates, and the connection blocks are integrally charged with high-strength plates with good anti-bending performance.
3. Mechanical performance: it can realize the clamping/opening and rotating functions simultaneously with good view; and it can meet the use requirements by adding two groups of oil lines.
4. Applicable scope: it can handle almost all kinds of bales efficiently and economically, such as cotton, wool, Textile fibers, corrugated plates, white board paper, rags, hay, and industrial scraps, etc...



| Capacity@ Load Center (Kg) | Catalog Order No. | Mounting Class | Opening Range (mm) | Arm Thickness (mm) | Arm Height (mm) A | Arm Length (mm) B | Frame Width (mm) C | Weight (kg) | Effective Thickness (mm) ET | Overall Height (mm) | Horizontal Center of Gravity (mm) HCG | Notes | Available Forklift (t) |
|----------------------------|-------------------|----------------|--------------------|--------------------|-------------------|-------------------|--------------------|-------------|-----------------------------|---------------------|---------------------------------------|---------------------|------------------------|
| 2000@500 | RJ20SC-B1-01 | III | 610-1895 | 135 | 550 | 1200 | 1300 | 660 | 234 | 855 | 274 | Without side shift. | 3-4.5t |
| 2000@500 | RJ20SC-B3-01 | III | 600-2225 | 135 | 550 | 1200 | 1450 | 700 | 234 | 855 | 264 | Without side shift. | 3-4.5t |

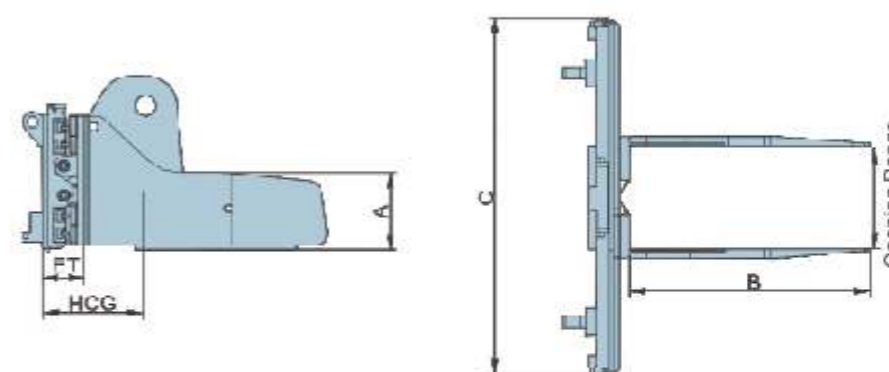
- Notes: 1. Please gain the actual overall carrying capacity of forklift trucks/attachments from the forklift truck manufacturers.
 2. Forklift truck needs to add two groups of additional oil lines so as to match the attachments.
 3. The arm thickness is the needed minimum wedge gap size when clamping, but not the real thickness.
 4. RJ20SC-B1-01 and RJ20SC-B3-01 are slipper type economic bale clamp.



| Model | Pressure Value Bar | | Flow Value L/min | |
|--------|--------------------|------|------------------|------|
| | Max. | Min. | Recommend | Max. |
| RJ**SC | 160 | 15 | 38 | 40 |

Configuration of Key Parts of Truck Attachments

- Structural part: the left and right clamping panels and other key parts adopt high-strength plates, and the channel steels adopt high-performance forklift truck portal frame channel steels.
- Applicable scope: it can handle almost all kinds of bales efficiently and economically, such as cotton, wool, textile fibers, corrugated plates, white board paper, rags, hay, and industrial scraps, etc...



| Capacity@ Load Center (Kg@mm) | Catalog Order No. | Mounting Class | Opening Range (mm) | Arm Thickness (mm) | Arm Height (mm) A | Arm Length (mm) B | Frame Width (mm) C | Overall Height (mm) | Weight (kg) | Horizontal Center of Gravity (mm) HCG | Effective Thickness (mm) ET | Available Forklift (t) |
|-------------------------------|-------------------|----------------|--------------------|--------------------|-------------------|-------------------|--------------------|---------------------|-------------|---------------------------------------|-----------------------------|------------------------|
| 6500@800 | ZB65G-X1-01 | String type | 600-3170 | 105 | 585 | 1590 | 2420 | 1190 | 2600 | 493 | 297 | 12t |
| 4000@600 | ZB40R-C1 | Mounted | 625-2175 | 90 | 518 | 1200 | 1300 | 915 | 1650 | 403 | 367 | 5-7t |
| 4000@600 | ZB40G-C1 | Mounted | 625-2175 | 90 | 518 | 1200 | 1300 | 1050 | 1300 | 313 | 209 | 5-7t |
| 2500@500 | ZB25G-B1 | Mounted | 635-1950 | 100 | 518 | 1200 | 1010 | 750 | 860 | 413 | 182 | 3-4.5t |

- Notes: 1. Please gain the actual overall carrying capacity of forklift trucks/attachments from the forklift truck manufacturers.
 2. Forklift truck needs to add two groups of additional oil lines so as to match the attachments.
 3. ZB40R-C1 are revolving pulp bale clamps.
 4. The arm thickness is the needed minimum wedge gap size when clamping, but not the real thickness.

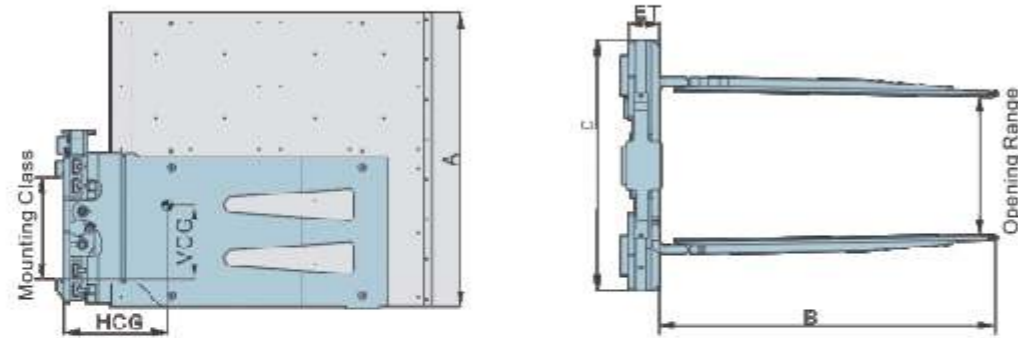
| Model | Pressure Value Bar | | | Flow Value L/min | | | |
|-------|--------------------|----------------|------|------------------|-----------|------|----|
| | Min. | Min. Recommend | Max. | Min. | Recommend | Max. | |
| ZB25G | 160 | 4 | 23 | 40 | 15 | 38 | 40 |
| ZB40G | 160 | 4 | 23 | 57 | 26 | 45 | 57 |
| ZB65G | 160 | 36 | 57 | 91 | 60 | 70 | 80 |

| Model | Rotating action | | | Clamping action | | | |
|-------|-----------------|----------------|------|-----------------|------|----|----|
| | Max. | Min. Recommend | Max. | Min. Recommend | Max. | | |
| ZB40R | 160 | 19 | 38 | 57 | 26 | 45 | 57 |



Configuration of Key Parts of Truck Attachments

- Hydraulic system: the load keeping valves of the main control valves adopt originally imported products; all the seals adopt imported products; and the high-pressure rubber hoses adopt cone sealed high-performance rubber hoses.
- Structural part: the left and right clamping panels adopt high-performance alloy steel plates.
- Mechanical performance: it's equipped with sideshifting function inside, which can realize the clamping/opening and sideshifting functions simultaneously with good view; and it can meet the use requirements by adding two groups of oil lines.
- Applicable scope: it can handle almost all kinds of bales efficiently and economically.



| Capacity@ Load Center (Kg@mm) | Catalog Order No. | Mounting Class | Opening Range (mm) | Arm Thickness (mm) | Minimum Truck Carriage Width (mm) | Arm Height (mm) A | Arm Length (mm) B | Frame Width (mm) C | Weight (kg) | Effective Thickness (mm) ET | Horizontal Center of Gravity (mm) HCG | Available Forklift (t) |
|----------------------------------|-------------------|----------------|--------------------|--------------------|-----------------------------------|-------------------|-------------------|--------------------|-------------|-----------------------------|---------------------------------------|------------------------|
| 1900@500 | GJ18J-A1 | II | 530-1750 | 65 | 825 | 455 | 1075 | 1040 | 500 | 117 | 289 | 1-2.5t |
| 1900@500 | GJ18J-A2 | II | 485-1735 | 77 | 825 | 1100 | 1260 | 940 | 670 | 117 | 449 | 1-2.5t |
| 2500@500 | GJ27J-B1 | III | 580-1925 | 70 | 970 | 455 | 1090 | 1010 | 630 | 132 | 283 | 3-4.5t |
| 2500@500 | GJ27J-B2 | III | 580-1925 | 70 | 970 | 506 | 1055 | 1010 | 670 | 132 | 311 | 3-4.5t |

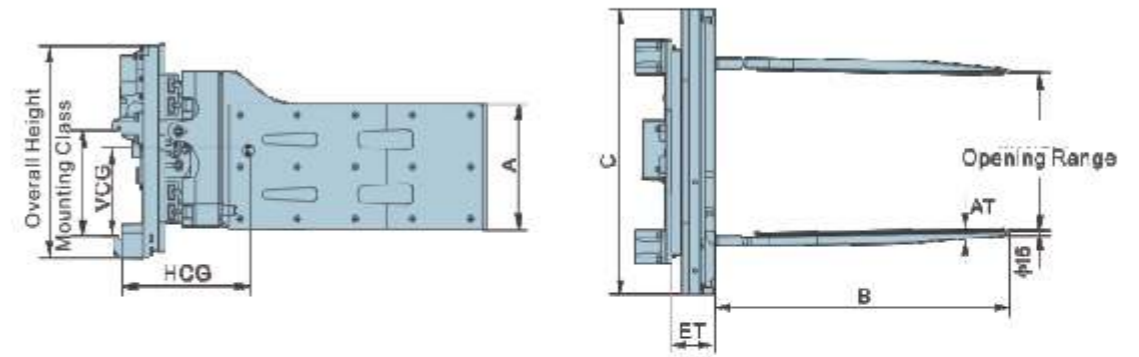
- Notes: 1. Please gain the actual overall carrying capacity of forklift trucks/attachments from the forklift truck manufacturers.
 2. Forklift truck needs to add two groups of additional oil lines so as to match the attachments.
 3. The arm thickness is the needed minimum wedge gap size when clamping, but not the real thickness.



| Model | Pressure Value Bar | | Flow Value L/min | | | | |
|--------------|--------------------|----------------|------------------|----|-----------------|----|----|
| | Max. | Min. Recommend | Sideshift action | | Clamping action | | |
| GJ18J | 160 | 4 | 15 | 26 | 15 | 26 | 26 |
| GJ27J | 160 | 4 | 23 | 38 | 15 | 38 | 38 |

Configuration of Key Parts of Truck Attachments

1. Hydraulic system: the load keeping valves of the main control valves adopt originally imported products; all the seals adopt imported products; and the high-pressure rubber hoses adopt cone sealed high-performance imported rubber hoses.
2. Structural part: the left and right clamping panels adopt high-performance alloy steel plates.
3. Mechanical performance: it's equipped with sideshifting function inside, which can realize the clamping/opening and sideshifting functions simultaneously with good view; and it can meet the use requirements by adding two groups of oil lines.
4. Clamping rubber plates: easy for changing.
5. Applicable scope: it can handle various paper boxes, wood boxes, metal boxes or bales and other cargoes safely and efficiently; and it's applied to the non-pallet carrying or stacking operation in tobacco, paper making, chemical fibre, workshop, ports and other industries.

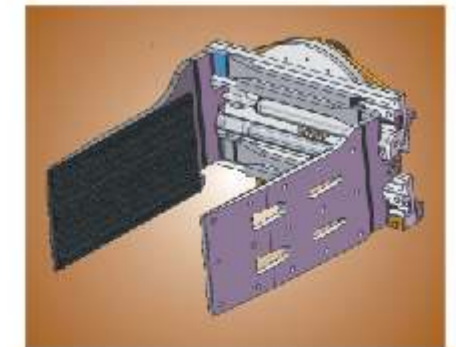


| Capacity@ Load Center (Kg@mm) | Catalog Order No. | Mounting Class | Opening Range (mm) | Arm Thickness (mm) | Arm Height (mm) A | Arm Length (mm) B | Frame Width (mm) C | Overall Height (mm) | Arm Toe-in (mm) AT | Weight (kg) | Effective Thickness (mm) ET | Horizontal Center of Gravity (mm) HCG | Available Forklift (t) |
|----------------------------------|-------------------|----------------|--------------------|--------------------|-------------------|-------------------|--------------------|---------------------|--------------------|-------------|-----------------------------|---------------------------------------|------------------------|
| 1900@500 | GJ19RT-A1 | II | 580-1780 | 70 | 455 | 1075 | 1040 | 774 | 25 | 750 | 252 | 315 | 1-2.5t |
| 2500@500 | GJ25RT-B1 | III | 580-1890 | 65 | 505 | 1060 | 1010 | 774 | 20 | 780 | 259 | 375 | 3-4.5t |

- Notes: 1. Please gain the actual overall carrying capacity of forklift trucks/attachments from the forklift truck manufacturers.
 2. Forklift truck needs to add two groups of additional oil lines so as to match the attachments.
 3. The arm thickness is the needed minimum wedge gap size when clamping, but not the real thickness.

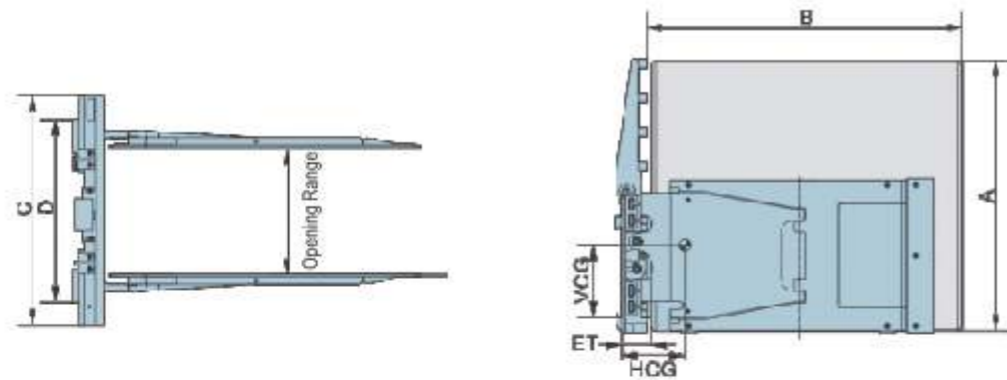
| Model | Pressure Value Bar | | Flow Value L/min | | | | | |
|---------------|--------------------|------|------------------|------|-----------------|------|----|----|
| | Min. | Max. | Rotating action | | Clamping action | | | |
| | | | Min. Recommend | Max. | Min. Recommend | Max. | | |
| GJ**RT | 35 | 160 | 19 | 38 | 57 | 26 | 38 | 57 |

| Model | Rotating speed | Torque |
|---------------|------------------|----------------|
| GJ**RT | 5.2r/min@57L/min | 9000N.m@160Bar |



Configuration of Key Parts of Truck Attachments

1. Hydraulic system: it adopts two-way hydraulic locks for rotating oil lines so as to realize two-way hydraulic self-locking and ensure the safety at work; all the motors, valves and seals adopt originally imported products, and the rotating oil hinge has self-locking function; and the high-pressure rubber hoses adopt cone sealed high-performance rubber hoses.
2. Structural part: the left and right clamping panels adopt high-performance alloy steel plates, link blocks are overall discharge of high strength plate or forgings for whole.
3. Mechanical performance: it can realize the clamping/opening and revoling functions simultaneously with good view; and it can meet the use requirements by adding two groups of oil lines.
4. Applicable scope: it can handle various paper boxes, wood boxes, metal boxes or bales and other cargoes safely and efficiently; and it's applied to the non-pallet carrying or stacking operation in tobacco, paper making, chemical fiber, workshop, ports and other industries.



| Capacity@ Load Center | Catalog Order No. | Mounting Class | Opening Range | Arm Thickness | Arm Height | Arm Length | Frame Width | Hook Spread | Effective Thickness | Vertical Center of Gravity | Horizontal Center of Gravity | Weight | Available Forklift |
|-----------------------|-------------------|----------------|---------------|---------------|------------|------------|-------------|-------------|---------------------|----------------------------|------------------------------|--------|--------------------|
| (Kg@mm) | | | (mm) | (mm) | A (mm) | B (mm) | C (mm) | D (mm) | ET (mm) | VCG (mm) | HCG (mm) | (kg) | (t) |
| 1400@700 | ZX14J-A1 | II | 560-1940 | 90 | 1200 | 1420 | 1040 | 825 | 117 | 371 | 504 | 875 | 2-2.5t |
| 1400@700 | ZX14J-A2 | II | 760-2140 | 90 | 1200 | 1420 | 1040 | 825 | 117 | 369 | 497 | 890 | 2-2.5t |
| 1400@700 | ZX14J-A3 | II | 590-1970 | 90 | 1200 | 1480 | 1040 | 825 | 117 | 369 | 534 | 900 | 2-2.5t |
| 1200@600 | ZX12J-A1 | II | 400-1570 | 90 | 1200 | 1220 | 1040 | 825 | 117 | 368 | 429 | 785 | 2-2.5t |
| 1400@600 | ZX14J-A4 | II | 565-1945 | 90 | 1200 | 1220 | 1040 | 825 | 117 | 367 | 424 | 800 | 2-2.5t |
| 1400@600 | ZX14J-B1 | III | 595-1975 | 90 | 1200 | 1220 | 1040 | 1025 | 117 | 367 | 424 | 800 | 3-4.5t |

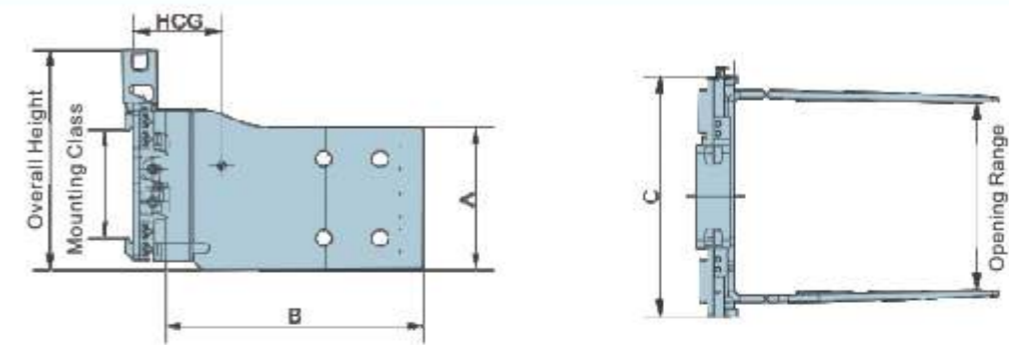
- Notes: 1. Please gain the actual overall carrying capacity of forklift trucks/attachments from the forklift truck manufacturers.
 2. Forklift truck needs to add two groups of additional oil lines so as to match the attachments.
 3. The whole machine is equipped with four-gear pressure regulating valve when delivered from factory.
 4. The arm thickness is the needed minimum wedge gap size when clamping, but not the real thickness.



| Model | Pressure Value Bar | | Flow Value L/min | | | | |
|-------|--------------------|------------------|------------------|------|-----------------|------|----|
| | Max. | Sideshift action | Sideshift action | | Clamping action | | |
| | | | Min. Recommend | Max. | Min. Recommend | Max. | |
| ZX**J | 160 | 4 | 15 | 38 | 19 | 26 | 38 |

Configuration of Key Parts of Truck Attachments

1. Hydraulic system: all key hydraulic components adopt originally imported hydraulic products; all the seals adopt imported products; and the high-pressure rubber hoses adopt cone sealed high-performance imported rubber hoses; and four-gear pressure regulating valve can be used to set different suitable clamping power according to different cargoes.
2. Mechanical performance: it's equipped with sideshifting function inside, which can realize the clamping/opening and sideshifting functions simultaneously with good view; and it can meet the use requirements by adding two groups of oil lines.
3. Structural part: the left and right clamping panels adopt high-performance aluminum alloy plates to reduce the weight; and the connection block is integrally charged with high-strength plates with good anti-bending performance.
4. Applicable scope: it's applied to the high-efficient and non-pallet carrying of carton packaging products in the warehouse, beverage, household appliance and electronics industries, which save the expenses of purchasing, and maintaining pallets as well as the warehouse space.



| Capacity@ Load Center | Catalog Order No. | Mounting Class | Opening Range | Arm Thickness | Arm Height | Arm Length | Frame Width | Overall Height | Weight | Effective Thickness | Horizontal Center of Gravity | Available Forklift |
|-----------------------|-------------------|----------------|---------------|---------------|------------|------------|-------------|----------------|--------|---------------------|------------------------------|--------------------|
| (Kg@mm) | | | (mm) | (mm) | A (mm) | B (mm) | (mm) | (mm) | (kg) | ET (mm) | HCG (mm) | (t) |
| 1800@500 | YX18G-A6 | II | 540-1900 | 60 | 700 | 1000 | 1170 | 732 | 620 | 147 | 332 | 2-2.5t |
| 1800@500 | YX18G-A7 | II | 540-1900 | 65 | 700 | 1100 | 1170 | 732 | 630 | 147 | 368 | 2-2.5t |
| 1800@500 | YX18G-A8 | II | 465-1745 | 65 | 565 | 1150 | 1040 | 670 | 560 | 117 | 367 | 1-2.5t |
| 1800@500 | YX18G-A9 | II | 500-1680 | 65 | 500 | 1100 | 1040 | 675 | 520 | 147 | 332 | 1-2.5t |
| 1800@500 | YX18G-A10 | II | 500-1680 | 65 | 580 | 1100 | 1040 | 765 | 660 | 147 | 361 | 1-2.5t |
| 2200@500 | YX22G-B1 | III | 540-1900 | 65 | 700 | 1100 | 1170 | 765 | 660 | 152 | 361 | 3-4.5t |

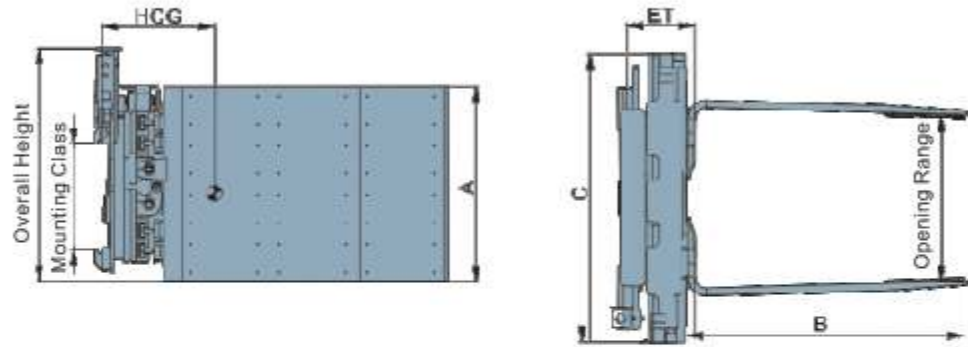
- Notes: 1. Please gain the actual overall carrying capacity of forklift trucks/attachments from the forklift truck manufacturers.
 2. Forklift truck needs to add two groups of additional oil lines so as to match the attachments.
 3. The arm thickness is the needed minimum wedge gap size when clamping, but not the real thickness.

| Model | Pressure Value Bar | | Flow Value L/min | | | | |
|-------|--------------------|------------------|------------------|------|-----------------|------|----|
| | Max. | Sideshift action | Sideshift action | | Clamping action | | |
| | | | Min. Recommend | Max. | Min. Recommend | Max. | |
| YX18G | 160 | 4 | 15 | 26 | 15 | 26 | 26 |
| YX22G | 160 | 4 | 23 | 38 | 19 | 26 | 38 |



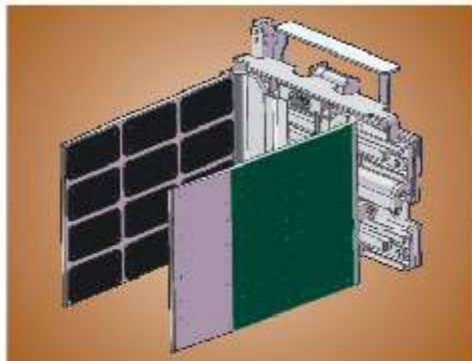
Configuration of Key Parts of Truck Attachments

1. Hydraulic system: the load keeping valves of the main control valves adopt originally imported products; all the seals adopt imported products; and the high-pressure rubber hoses adopt cone sealed high-performance imported rubber hoses.
2. Structural part: the left and right clamping panels adopt high-performance alloy steel plates, which are integrally profiled and corrected, and have good anti-bending performance.
3. Mechanical performance: it can realize the clamping/opening and sideshifting functions simultaneously with good view; and it can meet the use requirements by adding two groups of oil lines.
4. Applicable scope: tobacco carton clamps are the high-efficiency and non-pallet tobacco handling forklift truck attachments specified for the tobacco industry, it's especially suitable for handling the redried tobacco cartons of threshing and redrying factories, cigarettes factories and other sites. And it can clamp one, two, four and six tobacco cartons, so as to effectively increase the warehouse space utilization ratio, avoid the damage of cartons, and reduce the logistic costs as well as further increase the production efficiency significantly.



| Capacity@ Load Center (Kg@mm) | Catalog Order No. | Mounting Class | Opening Range (mm) | Arm Thickness (mm) | Arm Height (mm) | Arm Length (mm) | Weight (kg) | Frame Width (mm) | Effective Thickness (mm) | Overall Height (mm) | Horizontal Center of Gravity (mm) | Notes | Available Forklift |
|----------------------------------|-------------------|----------------|-----------------------|-----------------------|--------------------|--------------------|----------------|---------------------|-----------------------------|------------------------|--------------------------------------|--------------------|--------------------|
| | | | | A | B | | | C | ET | | HCG | | (t) |
| 800@500 | YX16RC-A1 | II | 585-1880 | 60 | 700 | 1000 | 760 | 1040 | 225 | 844 | 325 | Rotating/Sideshift | 2-2.5t |
| 1900@500 | YX19RT-B1 | III | 480-1760 | 70 | 565 | 1140 | 780 | 1040 | 263 | 772 | 385 | Rotating | 3-4.5t |
| 2500@500 | YX25RT-B1 | III | 615-1930 | 60 | 700 | 1000 | 740 | 1010 | 202 | 700 | 372 | Rotating | 3-4.5t |

- Notes: 1. Please gain the actual overall carrying capacity of forklift trucks/attachments from the forklift truck manufacturers.
 2. Forklift truck needs to add two groups of additional oil lines so as to match the attachments.
 3. The arm thickness is the needed minimum wedge gap size when clamping, but not the real thickness.

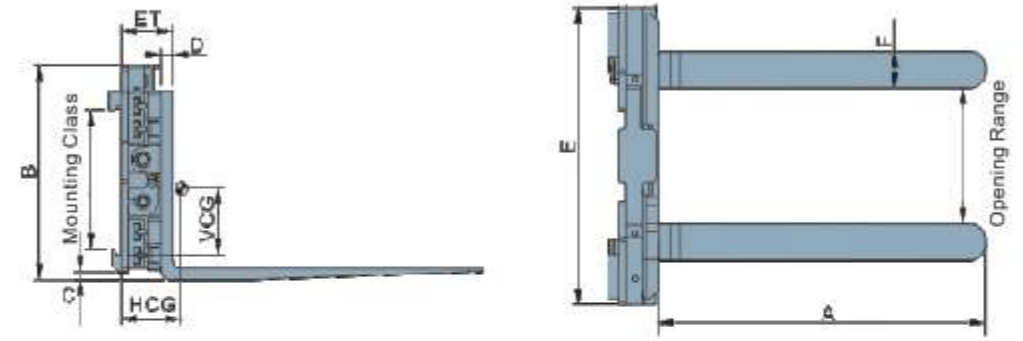


| Model | Pressure Value Bar | | Flow Value L/min | | |
|------------------|--------------------|------|------------------|-------------|------|
| | Min. | Max. | Min. | Recommended | Max. |
| YX**RC(T) | 35 | 160 | 19 | 26 | 38 |

| Model | Rotating speed | | Torque | |
|--------------------|----------------|-------------|---------|-------------|
| | Min. | Recommended | Min. | Recommended |
| YX**RC(T)-A | 3.5/min | 38L/min | 4200N.m | 160Bar |
| YX**RC(T)-B | 5.2/min | 57L/min | 9000N.m | 160Bar |

Configuration of Key Parts of Truck Attachments

- Hydraulic system: all the motors, valves and seals adopt originally imported products; and the high-pressure rubber hoses adopt cone sealed high-performance imported rubber hoses.
- Structural part: the left and right clamping panels adopt high-performance alloy steel plates, which are integrally profiled and corrected, and have good anti-bending performance.
- Mechanical performance: it's equipped with sideshifting functions inside, which can realize the clamping/opening and sideshifting or revolving functions simultaneously with good view; and it can meet the use requirements by adding two groups of oil lines.



| Capacity@ Load Center (Kg@mm) | Catalog Order No. | Mounting Class | Opening Range (mm) | Frame Width (mm) | Fork Length (mm) | Fork Width (mm) | Fork Thickness (mm) | Weight (kg) | Vertical Center of Gravity (mm) | Horizontal Center of Gravity (mm) | Effective Thickness (mm) | Available Forklift | Note |
|----------------------------------|-------------------|----------------|-----------------------|---------------------|---------------------|--------------------|------------------------|----------------|------------------------------------|--------------------------------------|-----------------------------|--------------------|----------|
| | | | | E | A | F | D | | VCG | HCG | ET | (t) | |
| 1600@600 | CJ16G-A1 | II | 400-1625 | 1040 | 1070 | 100 | 35 | 320 | 155 | 170 | 167 | 1-2.5t | / |
| 1600@600 | CJ16G-A2 | II | 400-1625 | 1040 | 1220 | 100 | 35 | 330 | 161 | 170 | 167 | 1-2.5t | / |
| 2300@600 | CJ23G-B1 | III | 505-1820 | 1010 | 1070 | 125 | 45 | 440 | 214 | 163 | 186 | 3-4.5t | / |
| 2300@600 | CJ23R-B2 | III | 410-1780 | 1100 | 1070 | 150 | 50 | 765 | 323 | 164 | 318 | 3-4.5t | Rotating |
| 2300@600 | CJ23G-B5 | III | 505-1820 | 1010 | 1200 | 125 | 45 | 450 | 250 | 193 | 186 | 3-4.5t | / |
| 4000@600 | CJ40G-C1 | IV | 480-2030 | 1300 | 1670 | 150 | 60 | 1000 | 475 | 265 | 236 | 5-7t | / |

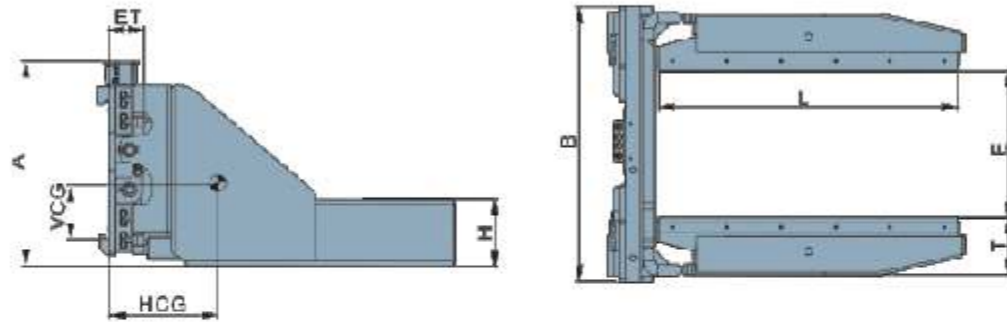
- Notes: 1. Please gain the actual overall carrying capacity of forklift trucks/attachments from the forklift truck manufacturers.
 2. Forklift truck needs to add two groups of additional oil lines so as to match the attachments.
 3. CJ23R-B2 fork clamps are revolving fork clamps.

| Model | Pressure Value Bar | | Flow Value L/min | | | | |
|--------------|--------------------|------|------------------|------|------|-------------|------|
| | Max. | Min. | Recommended | Max. | Min. | Recommended | Max. |
| CJ16G | 160 | 4 | 15 | 26 | 15 | 26 | 26 |
| CJ23G | 160 | 4 | 23 | 38 | 15 | 38 | 38 |
| CJ40G | 160 | 4 | 23 | 57 | 26 | 45 | 57 |



Configuration of Key Parts of Truck Attachments

- Hydraulic system: the load keeping valves of the main control valves adopt originally imported products; all the seals adopt imported products; and the high-pressure rubber hoses adopt cone sealed high-performance imported rubber hoses.
- Structural part: the clamp arms adopt alloy steel castings, and the guide rail assembly is welded by high-performance alloy steel plates, which has good anti-bending performance.
- Mechanical performance: it's equipped with sideshifting functions inside, which can realize the clamping/opening and sideshifting functions simultaneously with good view; and it can meet the use requirements by adding two groups of oil lines.
- Applicable scope: it can not only be used to clamp cargoes, but also the forklift truck pallet cargoes.



| Capacity@ Load Center (Kg@mm) | Catalog Order No. | Opening Range (mm) | Arm Height H (mm) | Arm Length L (mm) | Arm Thickness T (mm) | Frame Width B (mm) | Frame Height A (mm) | Weight (kg) | Hook spacing (mm) | Mounting Class | Effective Thickness ET (mm) | Horizontal Center of Gravity HCG (mm) | Available Forklift (t) | Vertical Center of Gravity VCG (mm) |
|----------------------------------|-------------------|-----------------------|----------------------|----------------------|-------------------------|-----------------------|------------------------|----------------|----------------------|----------------|--------------------------------|--|---------------------------|--|
| 2700@500 | ZK27G-A1 | 310-1625 | 234 | 1100 | 202 | 1010 | 745 | 760 | 950 | II | 132 | 361 | 1-2.5t | 171 |
| 2700@500 | ZK27G-B1 | 330-1645 | 234 | 1470 | 197 | 1010 | 745 | 870 | 950 | III | 134 | 455 | 3-4.5t | 189 |
| 2700@500 | ZK27G-B2 | 310-1625 | 234 | 1100 | 202 | 1010 | 745 | 760 | 950 | III | 134 | 384 | 3-4.5t | 163 |
| 2700@500 | ZK27G-B3 | 320-1635 | 124 | 1100 | 195 | 1010 | 745 | 640 | 950 | III | 134 | 311 | 3-4.5t | 174 |
| 2700@500 | ZK27G-B6 | 320-1635 | 238 | 1260 | 195 | 1010 | 745 | 830 | 950 | III | 134 | 441 | 3-4.5t | 155 |

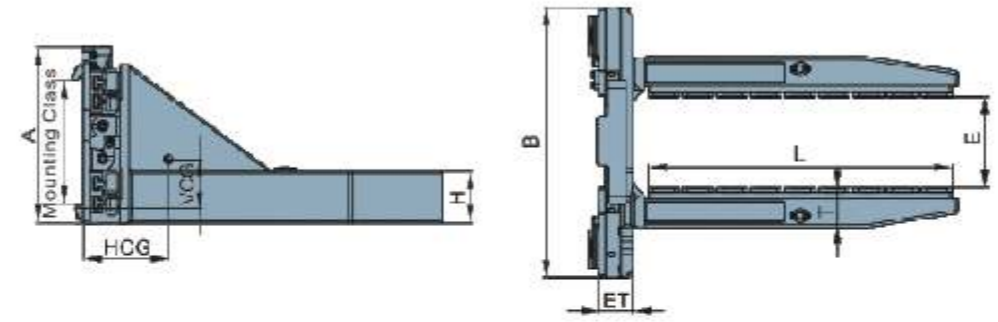
Notes: 1. Please gain the actual overall carrying capacity of forklift trucks/attachments from the forklift truck manufacturers.
2. Forklift truck needs to add two groups of additional oil lines so as to match the attachments.



| Model | Pressure Value Bar | | Flow Value L/min | | |
|-------|--------------------|--|---|--|--|
| | Max. | | Sideshift action Min. Recommend Max. | Clamping action Min. Recommend Max. | |
| ZK**G | 160 | | 4 23 38 | 15 38 38 | |

Configuration of Key Parts of Truck Attachments

1. Hydraulic system: the load keeping valves of the main control valves adopt originally imported products; all the seals adopt imported products; and the high-pressure rubber hoses adopt cone sealed high-performance imported rubber hoses.
2. Structural part: the left and right clamping panels adopt high-performance alloy steel plates, and the connection plates are hot pressed by high-strength plates, which have good anti-deformation performance; the inside of clamp arms are equipped with replaceable high-wear- resistance rubber blocks.
3. Mechanical performance: its equipped with sideshifting functions inside, which can realize the clamping/opening and sideshifting functions simultaneously with good view; and it can meet the use requirements by adding two groups of oil lines.



| Capacity@ Load Center (Kg@mm) | Catalog Order No. | Opening Range (mm) | Mounting Class | Weight (kg) | Effective Thickness ET (mm) | Horizontal Center of Gravity HCG (mm) | Vertical Center of Gravity VCG (mm) | Arm Height H (mm) | Arm Length L (mm) | Arm Thickness T (mm) | Overall Height A (mm) | Minimum Truck Carriage Width (mm) | Frame Width B (mm) | Available Forklift (t) |
|----------------------------------|-------------------|-----------------------|----------------|----------------|--------------------------------|--|--|----------------------|----------------------|-------------------------|--------------------------|--------------------------------------|-----------------------|---------------------------|
| 1800@600 | ZK15G-B1 | 350-1630 | III | 600 | 131 | 325 | 187 | 200 | 1170 | 155 | 680 | 980 | 1040 | 3-4.5t |
| 2000@500 | ZK20G-B1 | 425-1850 | III | 700 | 137 | 348 | 172 | 190 | 1280 | 200 | 730 | 980 | 1265 | 3-4.5t |

Notes: 1. Please gain the actual overall carrying capacity of forklift trucks/attachments from the forklift truck manufacturers.
2. Forklift truck needs to add two groups of additional oil lines so as to match the attachments.

| Model | Pressure Value Bar | | Flow Value L/min | | |
|-------|--------------------|--|---|--|--|
| | Max. | | Sideshift action Min. Recommend Max. | Clamping action Min. Recommend Max. | |
| ZK**G | 160 | | 4 23 38 | 15 38 38 | |



Configuration of Key Parts of Truck Attachments

1. Hydraulic system: the load keeping valves of the main control valves adopt originally imported products; all the seals adopt imported products; and the high-pressure rubber hoses adopt cone sealed high-performance imported rubber hoses.
2. Structural part: the left and right clamping panels adopt high-performance alloy steel plates, and the connection plates are hot pressed by high-strength plates, which have good anti-deformation performance; the inside of clamp arms are equipped with replaceable high-wear- resistance rubber blocks.
3. Mechanical performance: it's equipped with sideshifting functions inside, which can realize the clamping/opening and sideshifting functions simultaneously; clamping arm can touch the goods thoroughly to keep the action more reliable.



| Capacity@ Load Center (Kg@mm) | Catalog Order No. | Opening Range (mm) | Mounting Class | Weight (kg) | Effective Thickness ET (mm) | Horizontal Center of Gravity HCG (mm) | Vertical Center of Gravity VCG (mm) | Arm Height H (mm) | Arm Length L (mm) | Arm Thickness T (mm) | Overall Height A (mm) | Minimum Truck ContageWidth (mm) | Frame Width B (mm) |
|----------------------------------|-------------------|-----------------------|----------------|----------------|-----------------------------------|---|---|-------------------------|-------------------------|----------------------------|-----------------------------|------------------------------------|--------------------------|
| 1800@600 | ZK15F-B1 | 290-1600 | III | 680 | 132 | 339 | 139 | 160 | 1230 | 191 | 735 | 970 | 1100 |

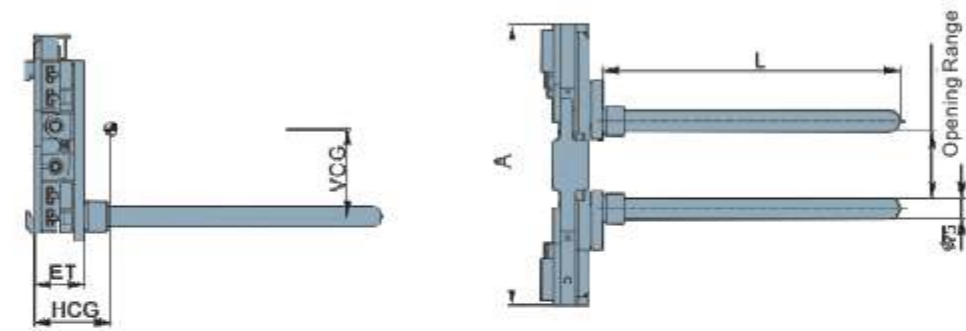
- Notes: 1. Please gain the actual overall carrying capacity of forklift trucks/attachments from the forklift truck manufacturers.
 2. Forklift truck needs to add two groups of additional oil lines so as to match the attachments.
 3. The front splint can float in a single piece.



| Model | Pressure Value Bar | | Flow Value L/min | | | | | |
|-------|-----------------------|--|---------------------|-----------|-----------------|------|-----------|------|
| | Max. | | Sideshift action | | Clamping action | | | |
| | | | Min. | Recommend | Max. | Min. | Recommend | Max. |
| ZK**F | 160 | | 4 | 15 | 38 | 19 | 26 | 38 |

Configuration of Key Parts of Truck Attachments

1. Hydraulic system: the seals are imported; the high-pressure hose adopts high-performance imported hose; the control valve can adjust the clamping force.
2. Structural part: The built-in side shift function can realize the clamping/opening and side shift functions at the same time, and the field of view is better; two sets of oil paths can be added to meet the requirements of use.
3. Mechanical performance: The left and right splints are made of high-performance alloy steel plate welded frame structure with high structural strength and good deformation resistance. The clamping arms are connected to the left and right clamp assemblies through the shaft system.



| Capacity@ Load Center (Kg@mm) | Catalog Order No. | Mounting Class | Vertical Center of Gravity VCG (mm) | Opening Range (mm) | Frame Width A (mm) | Effective Thickness ET (mm) | Bar Arm Diameter C (mm) | Bar Arm Length L (mm) | Horizontal Center of Gravity HCG (mm) | Weight (kg) | Available Forklift (t) |
|----------------------------------|-------------------|----------------|---|-----------------------|--------------------------|-----------------------------------|-------------------------------|-----------------------------|---|----------------|---------------------------|
| 1600@600 | YG16G-A1 | II | 218 | 246-1400 | 1040 | 165 | φ75 | 1500 | 241 | 400 | 1-2.5t |
| 2300@600 | YG23G-B1 | III | 213 | 240-1400 | 1010 | 179 | φ75 | 1065 | 239 | 460 | 3-4.5t |

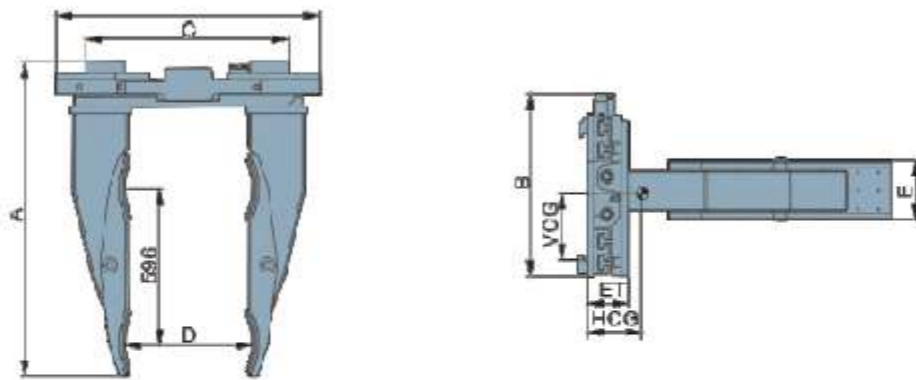
- Notes: 1. Please gain the actual overall carrying capacity of forklift trucks/attachments from the forklift truck manufacturers.
 2. Forklift truck needs to add two groups of additional oil lines so as to match the attachments.

| Model | Pressure Value Bar Max. | Flow Value L/min | | | | | |
|-------|-------------------------------|---------------------|-----------|-----------------|------|-----------|------|
| | | Sideshift action | | Clamping action | | | |
| | | Min. | Recommend | Max. | Min. | Recommend | Max. |
| YG16G | 160 | 4 | 15 | 26 | 15 | 26 | 26 |
| YG23G | 160 | 4 | 23 | 38 | 15 | 38 | 38 |



Configuration of Key Parts of Truck Attachments

1. Hydraulic system: all key hydraulic components adopt originally imported hydraulic products; all the seals adopt imported products; and the high-pressure rubber hoses adopt cone sealed high-performance imported rubber hoses.
2. Mechanical performance: it's equipped with sideshifting functions inside, which can realize the clamping/opening and sideshifting functions simultaneously with good view; and it can meet the use requirements by adding two groups of oil lines.
3. Applicable scope: it's applied to the fork-taking, stacking and handling of drum-shaped cargoes.



| Capacity@ Load Center (Kg@mm) | Catalog Order No. | Mounting Class | Opening Range D (mm) | Arm Height E (mm) | Total length A (mm) | Hook Spread C (mm) | Frame Width (mm) | Overall Height B (mm) | Effective Thickness ET (mm) | Weight (kg) | Horizontal Center of Gravity HCG (mm) | Available Forklift (t) |
|----------------------------------|-------------------|----------------|-------------------------|----------------------|------------------------|-----------------------|---------------------|--------------------------|--------------------------------|----------------|--|---------------------------|
| 1400@500 | TJ14S-A1 | II | 320-1540 | 230 | 1245 | 825 | 1040 | 550 | 138 | 440 | 243 | 2-2.5t |
| 1000@510 | TJ10S-A1 | II | 400-1400 | 235 | 815 | 825 | 1040 | 660 | 138 | 380 | 144 | 1-2.5t |
| 1400@500 | TJ14S-B1 | III | 320-1540 | 230 | 1255 | 1000 | 1040 | 677 | 143 | 458 | 233 | 3-4.5t |
| 1900@500 | TJ19S-A1 | II | 520-1740 | 235 | 625 | 825 | 1040 | 650 | 138 | 340 | 97 | 2-2.5t |
| 1900@500 | TJ19S-B1 | III | 520-1740 | 235 | 635 | 1000 | 1040 | 680 | 143 | 372 | 97 | 3-4.5t |

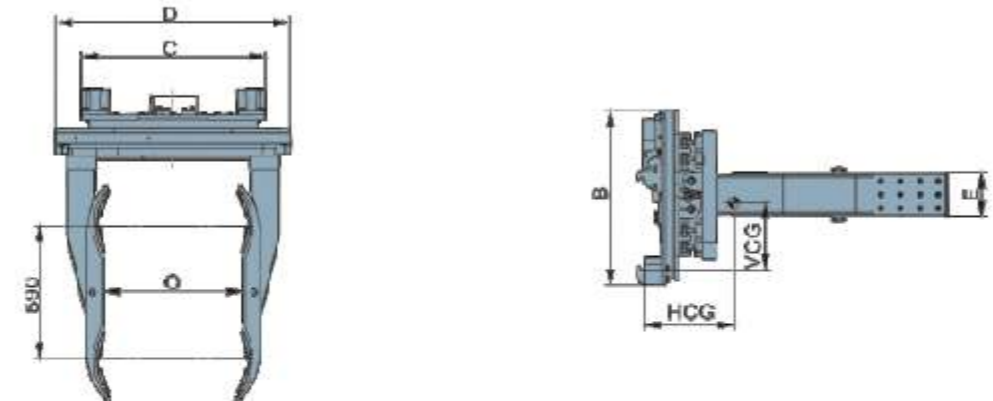
Notes: 1. Please gain the actual overall carrying capacity of forklift trucks/attachments from the forklift truck manufacturers.
 2. Forklift truck needs to add two groups of additional oil lines so as to match the attachments.
 3. The following picture shows the four-barrel clip.



| Model | Pressure Value Bar | | Flow Value L/min | | | | | |
|--------------|--------------------|------|------------------|-----------|-----------------|------|-----------|------|
| | Min. | Max. | Sideshift action | | Clamping action | | | |
| | | | Min. | Recommend | Max. | Min. | Recommend | Max. |
| TJ**S | 35 | 160 | 4 | 11 | 21 | 15 | 21 | 38 |

Configuration of Key Parts of Truck Attachments

1. Hydraulic system: the load keeping valves of the main control valves adopt originally imported products; all the seals adopt imported products; and the high-pressure rubber hoses adopt cone sealed high-performance imported rubber hoses.
 2. Structural part: the left and right clamping panels are welded by high-performance alloy steel plates; and the inside of clamp arms are covered with replaceable anti-skid rubber strips so as to prevent the oil barrels from damaging.
 3. Mechanical performance: it's equipped with sideshifting function inside, which can realize the clamping/opening and sideshifting functions simultaneously, which is convenient for the placement of oil barrels and has good view; and it can meet the use requirements by adding two groups of oil lines.



| Capacity@ Load Center (Kg@mm) | Catalog Order No. | Mounting Class | Opening Range O (mm) | Arm Height E (mm) | Hook Spread C (mm) | Frame Width D (mm) | Weight (kg) | Effective Thickness ET (mm) | Overall Height B (mm) | Horizontal Center of Gravity HCG (mm) | Available Forklift (t) | Vertical Center of Gravity VCG (mm) |
|----------------------------------|-------------------|----------------|-------------------------|----------------------|-----------------------|-----------------------|----------------|--------------------------------|--------------------------|--|---------------------------|--|
| 1600@600 | TJ19R-A1 | II | 470-1700 | 800 | 814 | 1040 | 815 | 275 | 800 | 380 | 1-2.5t | 325 |
| 1900@310 | TJ19R-A2 | II | 520-1750 | 235 | 815 | 1040 | 480 | 194 | 807 | 142 | 1-2.5t | 251 |
| 1600@600 | TJ19R-A3 | II | 470-1700 | 230 | 814 | 1040 | 670 | 275 | 774 | 279 | 1-2.5t | 324 |
| 1600@600 | TJ19R-B1 | III | 470-1700 | 800 | 814 | 1040 | 815 | 275 | 800 | 380 | 3-4.5t | 334 |
| 1900@310 | TJ19R-B2 | III | 520-1750 | 235 | 610 | 1040 | 500 | 226 | 889 | 142 | 3-4.5t | 325 |
| 1600@600 | TJ19R-B3 | III | 470-1700 | 230 | 814 | 1040 | 670 | 275 | 774 | 279 | 3-4.5t | 332 |

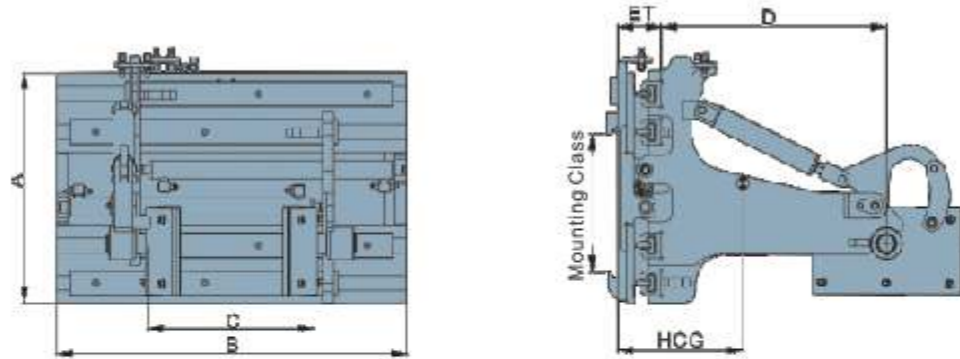
Notes: 1. Please gain the actual overall carrying capacity of forklift trucks/attachments from the forklift truck manufacturers.
 2. Forklift truck needs to add two groups of additional oil lines so as to match the attachments.
 3. The following picture shows the two-barrel clip.



| Model | Pressure Value Bar | | Flow Value L/min | | | | | |
|--------------|--------------------|------|------------------|-----------|-----------------|------|-----------|------|
| | Min. | Max. | Rotating action | | Clamping action | | | |
| | | | Min. | Recommend | Max. | Min. | Recommend | Max. |
| TJ**R | 35 | 160 | 19 | 38 | 57 | 26 | 26 | 38 |

Configuration of Key Parts of Truck Attachments

1. Hydraulic system: the load keeping valves of the main control valves adopt originally imported products; all the seals adopt imported products; and the high-pressure rubber hoses adopt cone sealed high-performance imported rubber hoses.
 2. Structural part: the left and right clamping panels are welded by high-performance alloy steel plates; and the inside of clamp arms are covered with replaceable anti-skid rubber strips so as to prevent the oil barrels from damaging.
 3. Mechanical performance: it's equipped with sideshifting function inside, which can realize the clamping/opening and sideshifting functions simultaneously, which is convenient for the placement of oil barrels and has good view; and it can meet the use requirements by adding two groups of oil lines.



| Capacity@ Load Center (Kg@mm) | Catalog Order No. | Mounting Class | Opening Range (mm) | Overall Height A (mm) | Overall Width B (mm) | Forward Rotation Angle (°) | Weight (kg) | Effective Thickness ET (mm) | Horizontal Center of Gravity HCG (mm) | Available Forklift (t) |
|----------------------------------|-------------------|----------------|-----------------------|-----------------------------|----------------------------|-------------------------------|----------------|-----------------------------------|---|---------------------------|
| 300@630 | DT03G-A1 | II | 432~1612 | 640 | 970 | 180 | 350 | 120 | 210 | 1-2.5t |

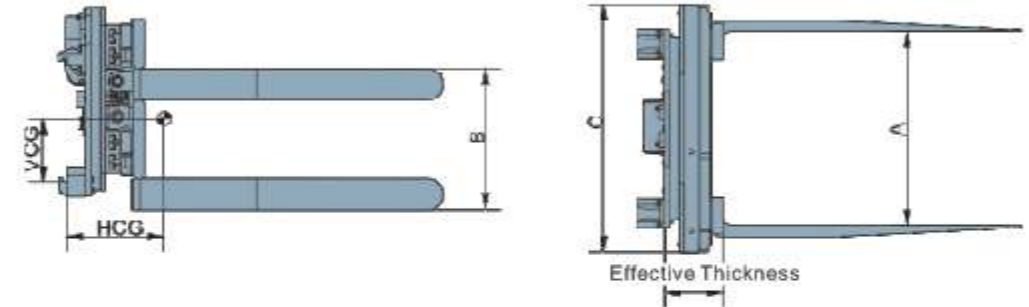
Notes: 1. Please gain the actual overall carrying capacity of forklift trucks/attachments from the forklift truck manufacturers.
2. Forklift truck needs to add two groups of additional oil lines so as to match the attachments.



| Model | Pressure Value Bar | | Flow Value L/min | | | | |
|-----------------|-----------------------|------|---------------------|------|-----------------|-----------|------|
| | | | Sideshift action | | Clamping action | | |
| | Max. | Min. | Recommend | Max. | Min. | Recommend | Max. |
| DT03G-A1 | 160 | 4 | 7.5 | 11 | 19 | 26 | 38 |

Configuration of Key Parts of Truck Attachments

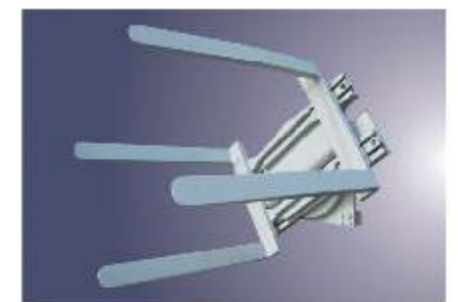
1. Hydraulic system: all the seals adopt imported products; and the high-pressure rubber hoses adopt cone sealed high-performance imported rubber hoses.
2. Structural part: the guide rail assembly is welded by high-performance alloy steel plates, which has good anti-bending performance.
3. Mechanical performance: it has the tipping function, it can realize the clamping/opening and tipping actions simultaneously, which has better view; and it can meet the use requirements by adding two groups of oil lines.
4. Applicable scope: it's applied for the sites of forward tipping and emptying of cylindrical iron drum, oil drum, rubbish bin, etc..



| Capacity@ Load Center (Kg@mm) | Catalog Order No. | Mounting Class | Opening Range A (mm) | Tire Size (mm) | Tire Spacing B (mm) | Effective Thickness ET (mm) | Vertical Center of Gravity VCG (mm) | Horizontal Center of Gravity HCG (mm) | Weight (kg) | Available Forklift (t) |
|----------------------------------|-------------------|----------------|----------------------------|-------------------|---------------------------|-----------------------------------|---|---|----------------|---------------------------|
| 1000@685 | XC10G-A1 | II | 390-1390 | 45x150x1370 | 800 | 313 | 328 | 386 | 875 | 2-2.5t |
| 1500@610 | XC15G-B1 | III | 1020-2330 | 45x125x1220 | 940 | 307 | 335 | 288 | 875 | 3-4.5t |
| 2300@610 | XC23G-B1 | III | 710-2020 | 45x125x1220 | 575 | 313 | 295 | 297 | 825 | 3-4.5t |

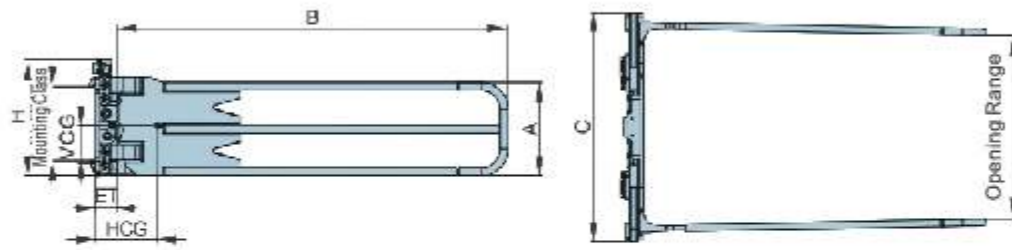
Notes: 1. Please gain the actual overall carrying capacity of forklift trucks/attachments from the forklift truck manufacturers.
2. Forklift truck needs to add two groups of additional oil lines so as to match the attachments.

| Model | Pressure Value Bar | | Flow Value L/min | | | | |
|--------------|-----------------------|------|---------------------|------|-----------------|-----------|------|
| | | | Rotating action | | Clamping action | | |
| | Max. | Min. | Recommend | Max. | Min. | Recommend | Max. |
| XC**G | 160 | 19 | 38 | 57 | 26 | 38 | 40 |



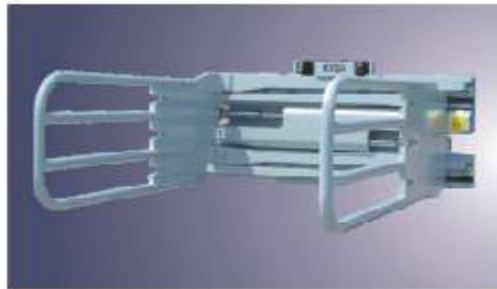
Configuration of Key Parts of Truck Attachments

1. Hydraulic system: all motors and other key hydraulic components adopt originally imported hydraulic products; all the seals adopt imported products; and the high-pressure rubber hoses adopt cone sealed high-performance imported rubber hoses.
2. Structural part: it adopts large-modulus slewing bearing, which has stronger bearing capacity. The turbine and worm adopts involute gears, so as to not only increase the efficiency and decrease the heat loss, but also realized the self-locking function.
3. Mechanical performance: it can realize the 360° rotation, and it adopts two-way hydraulic locks for rotating oil lines so as to realize two-way self-locking and ensure the safety at work. And it adds hydraulic control check valve for each oil cylinder to realize holding pressure for a long time.
4. Applicable scope: it has the clamp rotating and handling functions, which can be used in the handling and sorting operations of carton and bale cargoes.



| Capacity@ Load Center (Kg@mm) | Catalog Order No. | Mounting Class | Frame Width (mm) | Opening Range (mm) | Arm Height A (mm) | Arm Length B (mm) | Overall Height H (mm) | Weight (kg) | Effective Thickness ET (mm) | Horizontal Center of Gravity HCG (mm) | Available Forklift (t) | Vertical Center of Gravity VCG (mm) |
|----------------------------------|-------------------|----------------|---------------------|-----------------------|----------------------|----------------------|--------------------------|----------------|--------------------------------|--|---------------------------|--|
| 500@1000 | HX05G-B1 | III | 1680 | 1270-3120 | 600 | 1825 | 750 | 890 | 134 | 429 | 3-4.5t | 244 |
| 1500@500 | HX15G-B2 | III | 1680 | 650-2510 | 600 | 1825 | 750 | 800 | 134 | 410 | 3-4.5t | 242 |
| 2200@500 | HX22G-B1 | III | 1680 | 740-2590 | 600 | 2525 | 750 | 880 | 134 | 546 | 3.5-4.5t | 242 |
| 1000@1000 | HX10G-B1 | III | 1680 | 730-2580 | 600 | 2825 | 750 | 910 | 134 | 619 | 3-4.5t | 242 |
| 1000@500 | HX10G-B2 | III | 1100 | 885-2310 | 600 | 1505 | 738 | 740 | 134 | 369 | 3-4.5t | 251 |

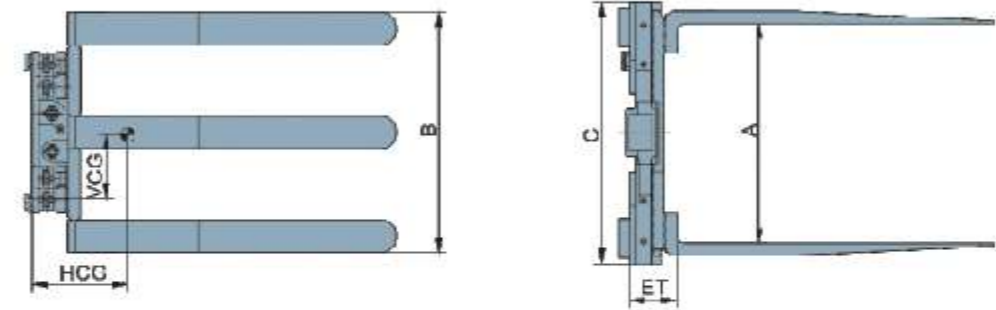
Notes: 1. Please gain the actual overall carrying capacity of forklift trucks/attachments from the forklift truck manufacturers.
2. Forklift truck needs to add two groups of additional oil lines so as to match the attachments.



| Model | Pressure Value Bar | | | Flow Value L/min | | |
|--------------|-----------------------|------|-----------|---------------------|------|-----------|
| | Sideshift action | | | Clamping action | | |
| | Max. | Min. | Recommend | Max. | Min. | Recommend |
| HX**G | 160 | 4 | 23 | 38 | 15 | 38 |

Configuration of Key Parts of Truck Attachments

1. Hydraulic system: the load keeping valves of the main control valves adopt originally imported products; all the seals adopt imported products; and the high-pressure rubber hoses adopt cone sealed high-performance imported rubber hoses.
2. Structural part: the guide rail assembly is welded by high-performance alloy steel plates, which has good anti-bending performance.
3. Mechanical performance: it's equipped with sideshifting function inside, which can realize the clamping/opening and sideshifting functions simultaneously with good view; and it can meet the use requirements by adding two groups of oil lines.
4. Applicable scope: it's applied to the handling and stacking operations of compressed sponge and rubber.



| Capacity@ Load Center (Kg@mm) | Catalog Order No. | Mounting Class | Opening Range A (mm) | Frame Width C (mm) | Tire Size (mm) | Tire Spacing B (mm) | Effective Thickness ET (mm) | Vertical Center of Gravity VCG (mm) | Horizontal Center of Gravity HCG (mm) | Weight (kg) | Available Forklift (t) |
|----------------------------------|-------------------|----------------|-------------------------|-----------------------|-------------------|------------------------|--------------------------------|--|--|----------------|---------------------------|
| 2700@500 | FC30G-B1 | III | 710-2020 | 1010 | 45x125x1220 | 925 | 183 | 310 | 302 | 655 | 3-4.5t |

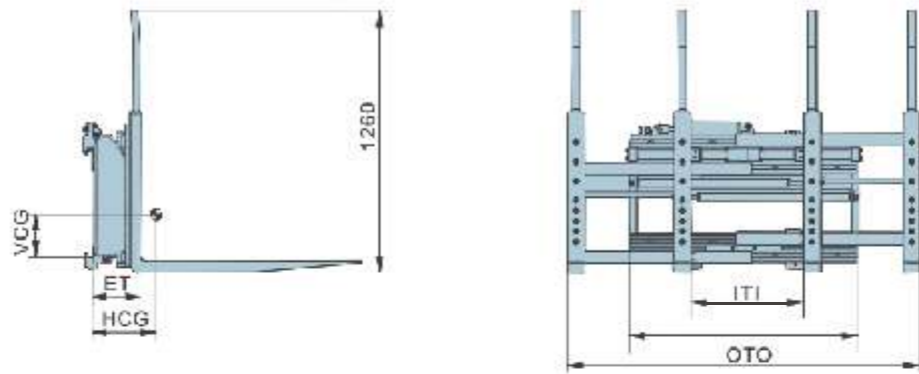
Notes: 1. Please gain the actual overall carrying capacity of forklift trucks/attachments from the forklift truck manufacturers.
2. Forklift truck needs to add two groups of additional oil lines so as to match the attachments.

| Model | Pressure Value Bar | | | Flow Value L/min | | |
|--------------|-----------------------|------|-----------|---------------------|------|-----------|
| | Sideshift action | | | Clamping action | | |
| | Max. | Min. | Recommend | Max. | Min. | Recommend |
| FC**G | 160 | 4 | 23 | 40 | 15 | 38 |



Configuration of Key Parts of Truck Attachments

1. Hydraulic system: the load keeping valves of the main control valves adopt originally imported products; all the seals adopt imported products; and the high-pressure rubber hoses adopt cone sealed high-performance rubber hoses.
2. Structural part: the clamp arms adopt alloy steel castings, and the guide rail assembly is welded by high-performance alloy steel plates, which has good anti-bending performance.
3. Mechanical performance: it's equipped with sideshifting function inside, which can realize the clamping/opening and sideshifting actions simultaneously with good view; and it can meet the use requirements by adding two groups of oil lines.
4. Applicable scope: it has the clamping and handling functions, and it's applied to the handling and sorting operations of waste paper, carton and bale cargoes.



| Capacity@ Load Center | Catalog Order No. | Mounting Class | Frame Width | Opening Range ITI | Opening Range OTO | Fork Size Fork Length X Section | Total Side Shift | Backrest Height | Weight | Effective Thickness ET | Horizontal Center of Gravity HCG | Available Forklift |
|-----------------------|-------------------|----------------|-------------|-------------------|-------------------|---------------------------------|------------------|-----------------|--------|------------------------|----------------------------------|--------------------|
| (Kg@mm) | | | (mm) | (mm) | (mm) | (mm) | (mm) | (mm) | (kg) | (mm) | (mm) | (t) |
| 2800@600 | DS28G-B1 | III | 1100 | 371-729 | 705-2100 | 1065X80X50 | ±100 | 1260 | 550 | 236 | 224 | 3-4.5t |
| 2800@600 | DS28G-A1 | II | 1100 | 371-729 | 705-2100 | 1065X80X50 | ±100 | 1260 | 550 | 246 | 224 | 1-2.5t |

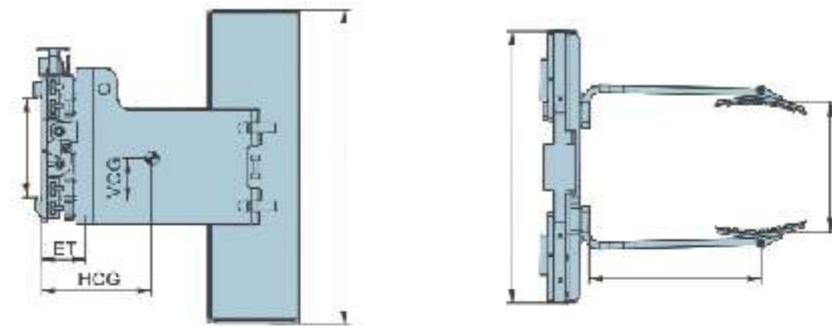
- Notes: 1. Please gain the actual overall carrying capacity of forklift trucks/attachments from the forklift truck manufacturers.
 2. Forklift truck needs to add two groups of additional oil lines so as to match the attachments.



| Model | Pressure Value Bar | | Flow Value L/min | | | | |
|-------|--------------------|----------------|------------------|----------------|------|----|----|
| | Max. | Min. Recommend | Max. | Min. Recommend | Max. | | |
| DS**G | 160 | 4 | 23 | 38 | 15 | 38 | 38 |

Configuration of Key Parts of Truck Attachments

1. Hydraulic system: the load keeping valves of the main control valves adopt originally imported products; all the seals adopt imported products; and the high-pressure rubber hoses adopt cone sealed high-performance rubber hoses.
2. Structural part: the forks adopt alloy steel castings, and the guide rail assembly is welded by high-performance alloy steel plates, which has good anti-bending performance.
3. Mechanical performance: it's equipped with sideshifting function inside, which can realize the clamping/opening and sideshifting actions simultaneously with good view; and it can meet the use requirements by adding two groups of oil lines.
4. Applicable scope: the two pairs of forks are driven by the hydraulic pressure to act quickly, and they can handle two pallets at one time while being separated, and they can operate flexibly as common forklift trucks while being closed, and they are specially suitable for stacking the cargoes (such as beer pallets) in containers during handling.



| Capacity@ Load Center | Catalog Order No. | Truck Mounting Class | Clamping Range | Opening Range | Arm Height A | Arm Length | Frame Width | Weight | Effective Thickness ET | Vertical Center of Gravity VCG | Horizontal Center of Gravity HCG | Available Forklift |
|-----------------------|-------------------|----------------------|----------------|---------------|--------------|------------|-------------|--------|------------------------|--------------------------------|----------------------------------|--------------------|
| (Kg@mm) | | | (mm) | (mm) | (mm) | (mm) | (mm) | (kg) | (mm) | (mm) | (mm) | (t) |
| 1000@680 | LT10G-A1 | II | 580-1360 | 500-1680 | 1200 | 680 | 1040 | 540 | 122 | 184 | 331 | 1-2.5t |
| 1000@800 | LT10G-B1 | III | 580-1600 | 500-1680 | 1500 | 800 | 1040 | 625 | 127 | 230 | 399 | 3-4.5t |

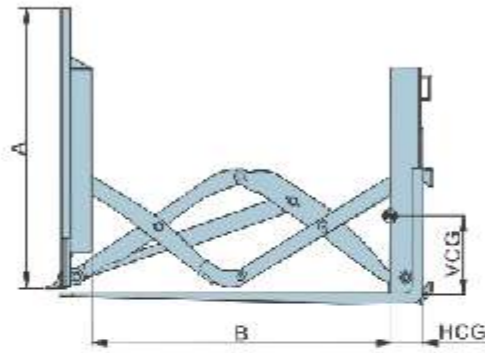
- Notes: 1. Please gain the actual overall carrying capacity of forklift trucks/attachments from the forklift truck manufacturers.
 2. Forklift truck needs to add two groups of additional oil lines so as to match the attachments.
 3. The arm thickness is the needed minimum wedge gap size when clamping, but not the real thickness.

| Model | Pressure Value Bar | | Flow Value L/min | | |
|-------|--------------------|------|------------------|------|----|
| | Min. | Max. | Min. Recommend | Max. | |
| LT**G | 35 | 160 | 19 | 26 | 38 |



Configuration of Key Parts of Truck Attachments

1. Hydraulic system: the load keeping valves of the main control valves adopt originally imported products; all the seals adopt imported products; and the high-pressure rubber hoses adopt cone sealed high-performance imported rubber hoses.
2. Structural part: it adopts the micro adjustable combined clamp arm structure, and the left and right clamping panels adopt high-performance alloy steel plates, and the root of clamp arms adopt the process of integral hot press, which has reliable performance.
3. Mechanical performance: it can realize the clamping/opening and sideshifting functions simultaneously, with simple operation and good view.



| Capacity@ Load Center (Kg@mm) | Catalog Order No. | Mounting Class | Push Range B (mm) | Baffle Height x Width (mm) | Weight (Kg) | Effective Thickness ET (mm) | Vertical Center of Gravity VCG (mm) | Horizontal Center of Gravity HCG (mm) | Available Forklift (t) |
|----------------------------------|-------------------|----------------|----------------------|-------------------------------|----------------|--------------------------------|--|--|---------------------------|
| 1000@500 | TL10J-A1 | II | 1200 | 1130 × 1100 | 360 | 255 | 430 | 136 | 1-2.5t |
| 1000@500 | TL10J-A2 | II | 920 | 890 × 976 | 330 | 255 | 391 | 133 | 1-2.5t |
| 2000@500 | TL20J-B11 | III | 1200 | 1800 × 1400 | 410 | 255 | 515 | 148 | 3-4.5t |
| 2000@500 | TL20J-B13 | III | 1200 | 1010 × 1100 | 360 | 305 | 420 | 135 | 3-4.5t |
| 2000@500 | TL20J-B14 | III | 1200 | 1550 × 1400 | 400 | 305 | 477 | 145 | 3-4.5t |

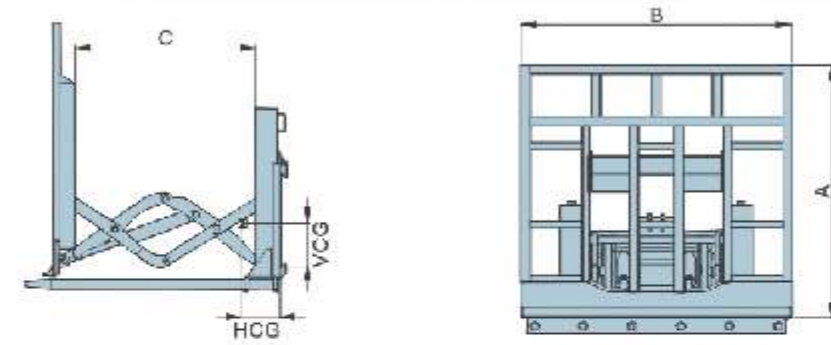
Notes: 1. Please gain the actual overall carrying capacity of forklift trucks/attachments from the forklift truck manufacturers.
2. Forklift truck needs to add two groups of additional oil lines so as to match the attachments.



| Model | Pressure Value Bar | | Flow Value L/min | |
|-------|--------------------|------|------------------|------|
| | Max. | Min. | Recommend | Max. |
| TL**J | 160 | 15 | 26 | 38 |

Configuration of Key Parts of Truck Attachments

1. Hydraulic system: the push oil cylinders adopt piston cylinders, which are simple in structure and convenient for processing and repairing; all the seals adopt NOK series products, which have reliable quality.
2. Structural part: the push arms adopt high-strength plates, and the raceways adopt German imported materials, which are enough to meet the use requirements; and the under hooks are adjustable, convenient for installation and reliable in quality.
3. Mechanical performance: the oil cylinders and frames are laid out rationally and it has safe and reliable performance.
4. Applicable scope: this kind of pushes is applied to the transportation of cement, fertilizer, grain and other bag goods.



| Capacity@ Load Center (Kg@mm) | Catalog Order No. | Mounting Class | Push Range C (mm) | Fork Length (mm) | Baffle Height x Width (mm) | Weight (kg) | Effective Thickness ET (mm) | Horizontal Center of Gravity HCG (mm) | Tine Amount @line Spacing | Available Forklift (t) |
|----------------------------------|-------------------|----------------|----------------------|---------------------|-------------------------------|----------------|--------------------------------|--|---------------------------|---------------------------|
| 1000@500 | TL10C-A8 | II | 1200 | 1165 | 1600 × 1400 | 720 | 255 | 295 | 8@193 | 1-2.5t |
| 1000@500 | TL10C-A10 | II | 1200 | 1400 | 1510 × 1600 | 730 | 255 | 330 | 8@215 | 1-2.5t |
| 1000@500 | TL10C-A11 | II | 1000 | 1000 | 1200 × 1100 | 556 | 255 | 223 | 6@200 | 1-2.5t |
| 2000@500 | TL20C-B2 | III | 900 | 910 | 1600 × 1200 | 565 | 255 | 215 | 6@224 | 3-4.5t |
| 2000@500 | TL20C-B5 | III | 1200 | 1165 | 1800 × 1400 | 650 | 255 | 210 | 6@270 | 3-4.5t |
| 2000@500 | TL20C-B6 | III | 1400 | 1355 | 1550 × 1400 | 695 | 255 | 273 | 6@238 | 3-4.5t |
| 2000@500 | TL20C-B7 | III | 900 | 910 | 1415 × 1200 | 530 | 255 | 210 | 6@200 | 3-4.5t |
| 2000@500 | TL20C-B8 | III | 1000 | 1000 | 1400 × 1500 | 620 | 255 | 240 | 6@274 | 3-4.5t |
| 2000@500 | TL20C-B9 | III | 900 | 910 | 1800 × 1500 | 650 | 255 | 340 | 10@161 | 3-4.5t |
| 2000@500 | TL20C-B10 | III | 1200 | 1225 | 1515 × 1500 | 730 | 255 | 302 | 9@170 | 3-4.5t |
| 2000@500 | TL20C-B15 | III | 1200 | 1225 | 1600 × 1450 | 645 | 255 | 230 | 6@291 | 3-4.5t |
| 2000@500 | TL20C-B16 | III | 1200 | 1165 | 1500 × 1400 | 640 | 255 | 238 | 6@238 | 3-4.5t |

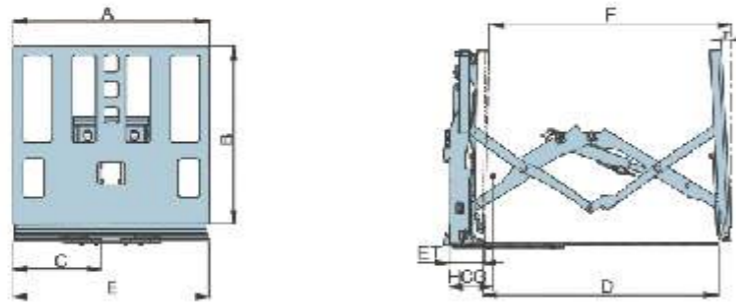
Notes: 1. Please gain the actual overall carrying capacity of forklift trucks/attachments from the forklift truck manufacturers.
2. Forklift truck needs to add two groups of additional oil lines so as to match the attachments.
3. The forks adopt round rod forks.

| Model | Pressure Value Bar | | Flow Value L/min | |
|-------|--------------------|------|------------------|------|
| | Max. | Min. | Recommend | Max. |
| TL**C | 160 | 15 | 26 | 38 |



Configuration of Key Parts of Truck Attachments

1. Hydraulic system: the push oil cylinders adopt piston cylinders, which are simple in structure and convenient for processing and repairing; all the seals adopt NOK series products, which have reliable quality.
2. Structural part: the push arms adopt high-strength plates, which are good enough to meet the use requirements; and the under hooks are adjustable, convenient for installation and reliable in quality.
3. Mechanical performance: the oil cylinders and frames are laid out rationally and have safe and reliable performance.
4. Applicable scope: this kind of pushes is applied to the transportation of cement, fertilizer, grain and other bag goods.



| Capacity@ Load Center (Kg@mm) | Catalog Order No. | Mounting Class | Push Range F (mm) | Baffle Height x Width BxA (mm) | Weight (kg) | Effective Thickness ET (mm) | Platen Height x Width DxC (mm) | Outside Platen Spacing E (mm) | Horizontal Center of Gravity HCG (mm) | Available Forklift (t) |
|----------------------------------|-------------------|----------------|----------------------|-----------------------------------|-------------|--------------------------------|-----------------------------------|----------------------------------|--|------------------------|
| 1600@500 | TL16L-A1 | II | 1230 | 920x1014 | 360 | 190 | 1200x455 | 1012 | 270 | 1-2.5t |
| 1600@500 | TL16L-A2 | II | 1230 | 920x1014 | 435 | 275 | 1285x455 | 1012 | 296 | 1-2.5t |
| 2000@500 | TL20L-B1 | III | 1230 | 920x1014 | 410 | 215 | 1200x455 | 1012 | 293 | 3-4.5t |
| 2000@500 | TL20L-B2 | III | 1230 | 920x1014 | 495 | 295 | 1200x455 | 1012 | 300 | 3-4.5t |

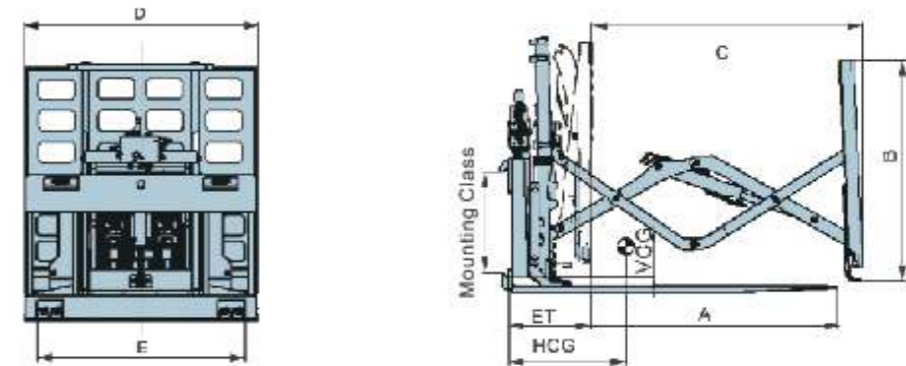
- Notes: 1. Please gain the actual overall carrying capacity of forklift trucks/attachments from the forklift truck manufacturers.
 2. Forklift truck needs to add a group of additional oil lines.
 3. The standard forks equipped for the quick-installed push/pulls shall be purchased otherwise.
 4. TL20L-B1 push/pulls need to choose the forks with thickness of 45.
 5. TL16L-A2 and TL20L-B2 is the slide board stay-type push/pulls.



| Model | Pressure Value Bar | | Flow Value L/min | | |
|-------|--------------------|--|------------------|---------|------|
| | Max. | | Min. | Recomm. | Max. |
| TL**L | 160 | | 15 | 26 | 38 |

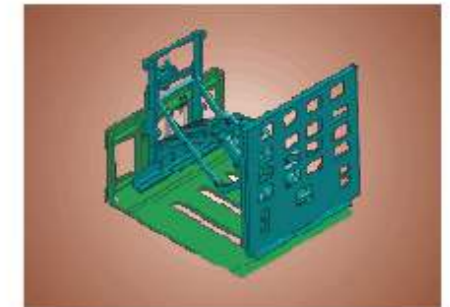
Configuration of Key Parts of Truck Attachments

1. Hydraulic system: the push oil cylinders adopt piston cylinders, which are simple in structure; all the seals adopt imported products; the overflow valves adopt originally imported valve cores with reliable quality; and the rubber pipes adopt high-strength imported rubber pipes.
2. Structural part: the fork plates and connection plates adopt high-strength plates, which can meet the use requirements.
3. Mechanical performance: it controls the two groups of oil cylinders by overflow valves so as to realize pushing and pulling cargoes, and it has good view.



| Capacity@ Load Center (Kg@mm) | Catalog Order No. | Mounting Class | Push Range C (mm) | Baffle Height x Width BxA (mm) | Weight (kg) | Effective Thickness ET (mm) | A (mm) | Horizontal Center of Gravity HCG (mm) | Horizontal Center of Gravity VCG (mm) | Minimum Truck Carriage Width |
|----------------------------------|-------------------|----------------|----------------------|-----------------------------------|-------------|--------------------------------|--------|--|--|------------------------------|
| 1600@500 | TL16B-A4 | II | 1230 | 986x1014 | 615 | 305 | 1160 | 296 | 195 | 940 |
| 1600@600 | TL16B-B2 | III | 1350 | 1050x1014 | 670 | 305 | 1250 | 360 | 205 | 900 |
| 1600@500 | TL16B-B4 | III | 1230 | 1200x1200 | 750 | 305 | 1170 | 300 | 205 | 950 |

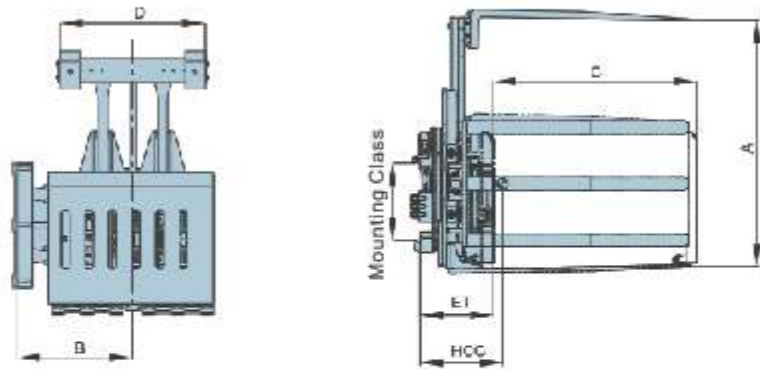
- Notes: 1. Please gain the actual overall carrying capacity of forklift trucks/attachments from the forklift truck manufacturers.
 2. Forklift truck needs to add two groups of additional oil lines so as to match the attachments.



| Model | Pressure Value Bar | | Flow Value L/min | |
|-------|--------------------|--|------------------|---------|
| | Max. | | Min. | Recomm. |
| TL**B | 160 | | 15 | 26 |

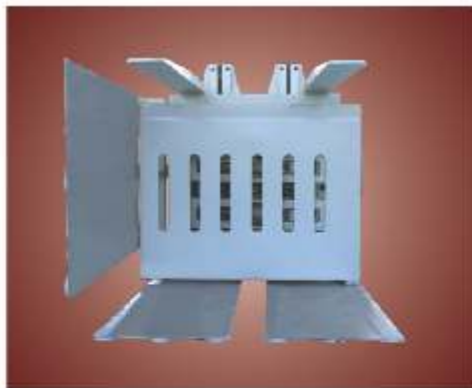
Configuration of Key Parts of Truck Attachments

1. Hydraulic system: The introduction of the cylinder is in the form of a piston rod, and the structure is simple; the seals are all imported products; the sequential control valve adopts the original imported valve core, and the quality is reliable; the hose adopts high-strength imported hose.
2. Structural part: The sequential control valve is used to control the related actions between the three groups of cylinders, so as to realize the back and forth, the ejection of the goods, and the indwelling action of the sliding tray, and the visual field is good.
3. Mechanical performance: The fork plate is made of 30mm thick high-strength plate, which has good strength and can meet the requirements of use.



| Capacity@ Load Center (Kg@mm) | Catalog Order No. | Mounting Class | Clamping Range A (mm) | Adjustment Range B (mm) | Push Range C (mm) | Weight (kg) | Effective Thickness ET (mm) | Horizontal Center of Gravity HCG (mm) | Tire Spacing D (mm) | Available Forklift (t) |
|----------------------------------|-------------------|----------------|--------------------------|----------------------------|----------------------|----------------|--------------------------------|--|------------------------|---------------------------|
| 1500@600 | XT15G-B1 | III | 900-1500 | 550-700 | 1270 | 1295 | 460 | 510 | 505, 635, 785, 895 | 3-4.5t |
| 1500@600 | XT15G-B2 | III | 1150-1950 | 550-700 | 1270 | 1475 | 460 | 510 | 505, 635, 785, 895 | 3-4.5t |

- Notes: 1. Please gain the actual overall carrying capacity of forklift trucks/attachments from the forklift truck manufacturers.
 2. Forklift truck needs to add a group of additional oil lines to match the attachments.
 3. Fork spacing D is adjustable.



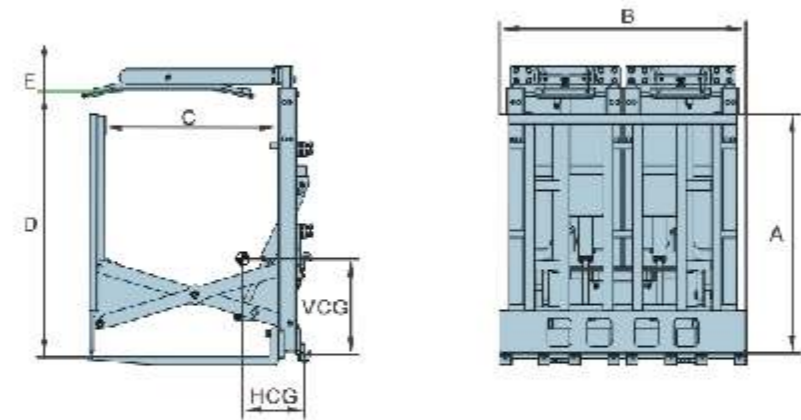
| Model | Rotating speed | Torque |
|--------------|------------------|----------------|
| XT**G | 3.6r/min@39L/min | 9000N·m@160Bar |

| Model | Pressure Value Bar | | Flow Value L/min | | | | |
|--------------|-----------------------|----------------|---------------------|----------------|------|----------------|----|
| | Max. | Min. Recommend | Max. | Min. Recommend | Max. | Min. Recommend | |
| XT**G | 160 | 15 | 26 | 38 | 19 | 38 | 57 |

| Model | Launch action | | Rotating action | | Clamping action | |
|--------------|---------------|------|-----------------|------|-----------------|------|
| | Min. | Max. | Min. | Max. | Min. | Max. |
| XT**G | 15 | 26 | 19 | 38 | 15 | 38 |

Configuration of Key Parts of Truck Attachments

1. Hydraulic system: all oil motors, valves and other key hydraulic components adopt originally imported hydraulic products; all the seals adopt NOK imported products; and the high-pressure rubber hoses adopt cone sealed high-performance rubber hoses, which have safe and reliable quality.
2. Structural part: it adopts large-modulus slewing bearing, which has stronger bearing capacity; turbine and worm adopts involute gears, so as to not only increase the efficiency and decrease the heat loss, but also realize the self-locking function.
3. Key part: it's welded by high-strength plates, which has safe and reliable structural strength.
4. Mechanical performance: it can realize push/pull, clamping/opening and 360°two-way rotation functions, and the product is designed to have electro-hydraulic directional control valve, and it can meet the use requirements just by adding a group of oil lines
5. Applicable scope: it can fork-take and handle the bag cargoes placed on the pallets safely and efficiently, and rotate 180°to push the bag cargoes to the specified position, and then recover the | pallets, it's widely used in chemical, food, packaging, logistics industries, etc..



| Capacity@ Load Center (Kg@mm) | Catalog Order No. | Mounting Class | Push Range C (mm) | Fork length (mm) | Baffle height x width Ax B (mm) | Lift range D (mm) | Laminate thickness E (mm) | Weight (kg) | Effective Thickness ET (mm) | Horizontal Center of Gravity HCG (mm) | Available Forklift (t) |
|----------------------------------|-------------------|----------------|----------------------|---------------------|------------------------------------|----------------------|------------------------------|----------------|--------------------------------|--|---------------------------|
| 2000@500 | TW20G-A1 | II | 900 | 840 | 1260x1300 | 1400-2000 | 113 | 850 | 210 | 270 | 1-2.5t |
| 2000@600 | TW20G-B1 | III | 1200 | 1200 | 1200x1300 | 900-1300 | 151 | 875 | 315 | 330 | 3-4.5t |
| 2000@500 | TW20G-B3 | III | 900 | 840 | 1260x1300 | 1400-2000 | 113 | 855 | 210 | 270 | 3-4.5t |

- Notes: 1. Please gain the actual overall carrying capacity of forklift trucks/attachments from the forklift truck manufacturers.
 2. Forklift truck needs to add a group of additional oil lines to match the attachments.

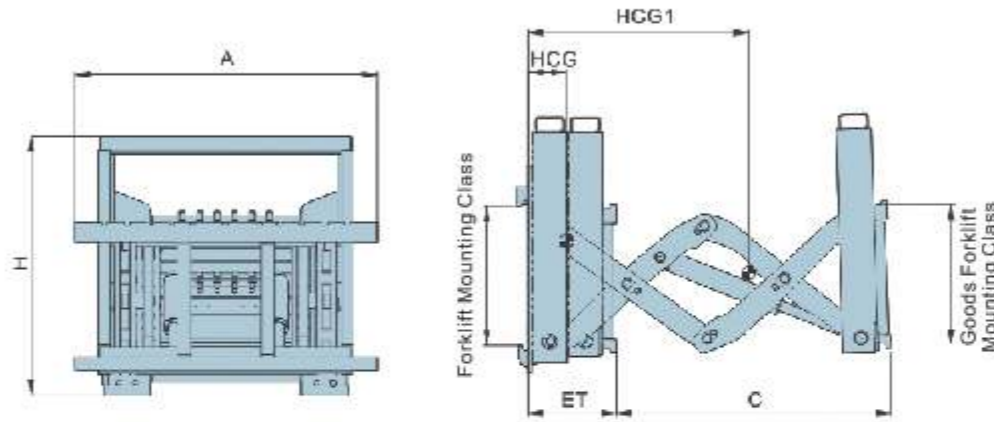
| Model | Pressure Value Bar | | Flow Value L/min | | | | |
|--------------|-----------------------|------|---------------------|------|------|------|----|
| | Min. | Max. | Min. | Max. | Min. | Max. | |
| TW**G | 35 | 160 | 15 | 26 | 57 | 19 | 30 |

| Model | Launch action | | Clamping action | |
|--------------|---------------|------|-----------------|------|
| | Min. | Max. | Min. | Max. |
| TW**G | 15 | 26 | 19 | 38 |



Configuration of Key Parts of Truck Attachments

1. Hydraulic system: all oil motors, valves and other key hydraulic components adopt originally imported hydraulic products; all the seals adopt NOK imported products; and the high-pressure rubber hoses adopt cone sealed high-performance rubber hoses, which have safe and reliable quality.
2. Structural part: it adopts large-modulus slewing bearing, which has stronger bearing capacity; turbine and worm adopts involute gears, so as to not only increase the efficiency and decrease the heat loss, but also realize the self-locking function.
3. Key part: it's welded by high-strength plates, which has safe and reliable structural strength.
4. Mechanical performance: it can realize push/pull, clamping/opening and 360°two-way rotation functions, and the product is designed to have electro-hydraulic directional control valve, and it can meet the use requirements just by adding a group of oil lines
5. Applicable scope: it can fork-take and handle the bag cargoes placed on the pallets safely and efficiently, and rotate 180°to push the bag cargoes to the specified position, and then recover the | pallets, it's widely used in chemical, food, packaging, logistics industries, etc..



| Capacity@ Load Center (Kg@mm) | Catalog Order No. | Mounting Class | Push Range C (mm) | Weight (kg) | Effective Thickness ET (mm) | Horizontal Center of Gravity (mm) HCG HCG1 | Overall Height H (mm) | Carrige Width A (mm) | Available Forklift (t) |
|----------------------------------|-------------------|----------------|----------------------|----------------|--------------------------------|--|--------------------------|-------------------------|---------------------------|
| 2000@600 | QJ20G-B1 | III/III | 1000 | 385 | 302 | 140 595 | 875 | 1038 | 3-4.5t |

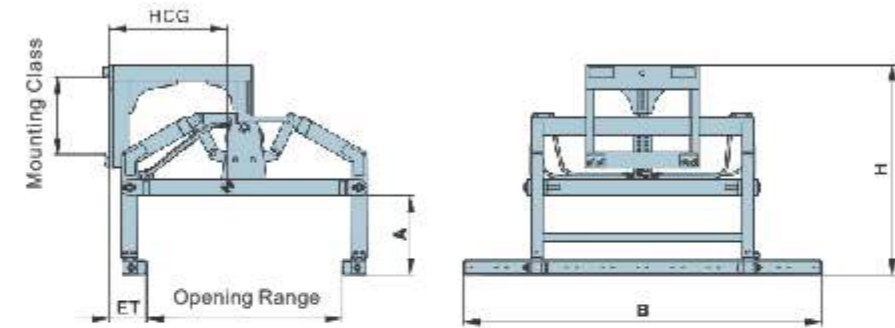
- Notes: 1. The load capacity of the load extender shall be smaller than the overall carrying capacity of forklift trucks/ attachments, and please gain the actual overall carrying capacity of forklift trucks/ attachments from the forklift truck manufacturers.
 2. Forklift truck needs to add a group of additional oil lines to match the attachments.
 3. It can add forks according to the needs of users, and please pay attention to the carrying capacity of the forks themselves.
 4. If it needs to match other forklift truck attachments (such as paper roll clamps, bale clamps, etc.) before the load extender,



| Model | Pressure Value Bar | | Flow Value L/min | |
|-------|--------------------|------|------------------|------|
| | Max. | Min. | Recomm. | Max. |
| QJ**G | 160 | 15 | 38 | 40 |

Configuration of Key Parts of Truck Attachments

1. Hydraulic system: all the seals adopt NOK imported products; and the high-pressure rubber hoses adopt cone sealed high-performance imported rubber hoses, so as to ensure the safety and reliability of the hydraulic system.
2. Structural part: all the key parts are welded by high-strength plates, and the guide rails adopt German imported channel steels, which have safe and reliable structural strength.
3. Mechanical performance: it can push under loading, and realize the forward and backward of fork carriage, and have good view; and it can match other forklift truck attachments (such as paper roll clamps, bale clamps, etc.).
4. Applicable scope: it can carry the cargoes placed out of the forklift truck working area safely and efficiently, and it's especially suitable for loading and unloading cargoes in the train.



| Capacity@ Load Center (Kg@mm) | Catalog Order No. | Mounting Class | Opening Range (mm) | Weight (kg) | Effective Thickness ET (mm) | Horizontal Center of Gravity (mm) HCG | Arm Height A (mm) | Over all Height H (mm) | Slipst Width B | Available Forklift (t) |
|----------------------------------|-------------------|----------------|-----------------------|----------------|--------------------------------|---|----------------------|---------------------------|-------------------|---------------------------|
| 1500@600 | ZK15D-B1 | III | 1100-1300 | 855 | 250 | 735 | 490 | 1305 | 2200 | 3-4.5t |
| 1500@600 | ZK15D-B2 | III | 1100-1500 | 930 | 345 | 805 | 1150 | 2050 | 1400 | 3-4.5t |
| 1500@600 | ZK15D-B3 | III | 515-1000 | 1030 | 452 | 715 | 1300 | 2120 | 2000 | 3-4.5t |
| 2500@600 | ZK25D-B1 | III | 515-915 | 950 | 452 | 712 | 1300 | 2120 | 1700 | 4-4.5t |

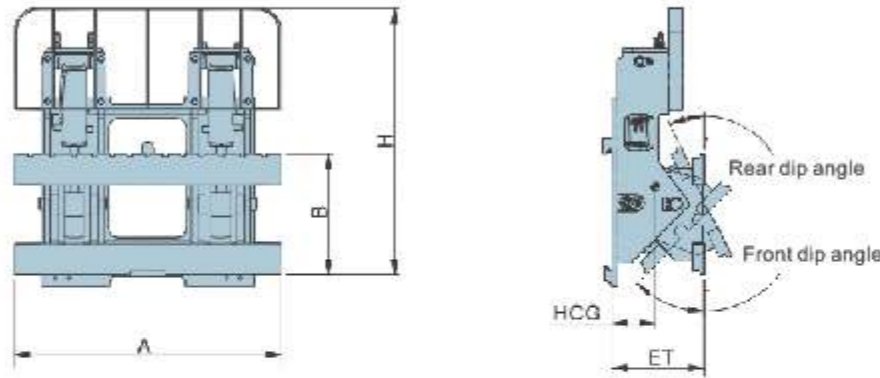
- Notes: 1. Please gain the actual overall carrying capacity of forklift trucks/attachments from the forklift truck manufacturers.
 2. Forklift truck needs to add a group of additional oil lines to match the attachments.



| Model | Pressure Value Bar | | Flow Value L/min | |
|-------|--------------------|------|------------------|------|
| | Max. | Min. | Recomm. | Max. |
| ZK**D | 160 | 15 | 38 | 40 |

Configuration of Key Parts of Truck Attachments

1. Hydraulic system: it's designed to have overflow valves for the hydraulic system, and it can adjust the clamping force according to different blocks so as to avoid to damage the blocks; and it's designed to have hydraulic control check valves for oil cylinders, so as to realize holding pressure for a long time, which have high safety; all the seals adopt NOK imported products; and the high-pressure rubber hoses adopt cone sealed high-performance imported rubber hoses, so as to ensure the safety and reliability of the hydraulic system.
2. Structural part: all the key parts are welded by high-strength rectangular pipes, which have safer and more reliable structural strength.
3. Mechanical performance: it adopts advanced damping technology, so there is small shake during the carrying process, and it has wide view and safe & reliable mechanical performance.
4. Applicable scope: it can realize the carrying and stacking operations of blocks safely and efficiently, and it's especially suitable for carrying and palletizing aerated blocks.



| Capacity@ Load Center (Kg@mm) | Catalog Order No. | Forklift Installation grade | The goods fork installation level | Beam width A (mm) | Beam height B (mm) | Total height H (mm) | Over all Height (kg) | Loss of load ET (mm) | Front dip angle/ Rear dip angle | Horizontal center of gravity HCG (mm) | Available Forklift (t) |
|-------------------------------------|----------------------|-----------------------------------|--------------------------------------|----------------------------|-----------------------------|------------------------------|----------------------------|-------------------------------|------------------------------------|--|------------------------------|
| 3000@500 | QF30J-B1 | III | III | 1100 | 506 | 1190 | 310 | 335 | 45°/20° | 153 | 3-4.5t |
| 2000@500 | QF20F-A3-01 | II | II | 1100 | 407 | 1123 | 251 | 335 | 45°/20° | 165 | 1-2.5t |

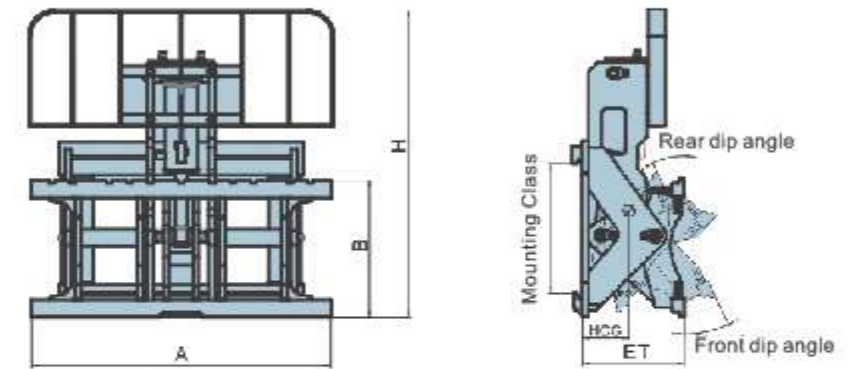
- Notes: 1. Please gain the actual overall carrying capacity of forklift trucks/attachments from the forklift truck manufacturers.
 2. Forklift truck needs to add a group of oil lines.
 3. The tilting oil cylinders have no self-locking functions.
 4. It can be equipped with various models of tipping scoops according to the needs of users.



| Model | Pressure Value Bar | | Flow Value L/min | | |
|-------|-----------------------|------|---------------------|-----------|------|
| | Max. | Max. | Min. | Recommend | Max. |
| QF**F | 35 | 160 | 19 | 38 | 57 |

Configuration of Key Parts of Truck Attachments

1. Hydraulic system: all the seals adopt NOK imported products; and the high-pressure rubber hoses adopt cone sealed high-performance imported rubber hoses, so as to ensure the safety and reliability of the hydraulic system.
2. Structural part: the fork carriages are welded by high-performance alloy steel plates; the beam adopts shape steel, which has high strength.
3. Mechanical performance: it can realize 45° forward tilting and 20° backward tilting and tip cargoes easily.
4. Applicable scope: it can forward tipping the bulk cargoes in containers safely and efficiently; and if's equipped with shovel, which can scrape various loose cargoes, such as sand, coal, grain, fertilizer, clod and broken bricks, etc..



| Capacity@ Load Center (Kg@mm) | Catalog Order No. | Truck Mounting Class | Hinged Fork Mounting Class | Carriage Width A (mm) | Carriage Height B (mm) | Overall Height H (mm) | Weight (Kg) | Effective Thickness ET (mm) | Tilt Forward Tilt Backward | Horizontal Center of Gravity HCG (mm) | Available Forklift (t) |
|-------------------------------------|----------------------|----------------------------|----------------------------------|--------------------------------|---------------------------------|--------------------------------|----------------|--------------------------------------|-------------------------------------|---|------------------------------|
| 2000@500 | QF20F-A1 | II | III | 1100 | 506 | 1132 | 315 | 375 | 45°/25° | 165 | 1-2.5t |
| 2000@500 | QF20F-A2 | II | II | 1040 | 407 | 1132 | 295 | 375 | 45°/25° | 165 | 1-2.5t |
| 3000@500 | QF30F-B1 | III | III | 1100 | 506 | 1132 | 305 | 375 | 45°/25° | 165 | 3-4.5t |
| 3000@500 | QF30F-B3 | III | III | 1300 | 506 | 1132 | 325 | 375 | 45°/25° | 183 | 3-4.5t |

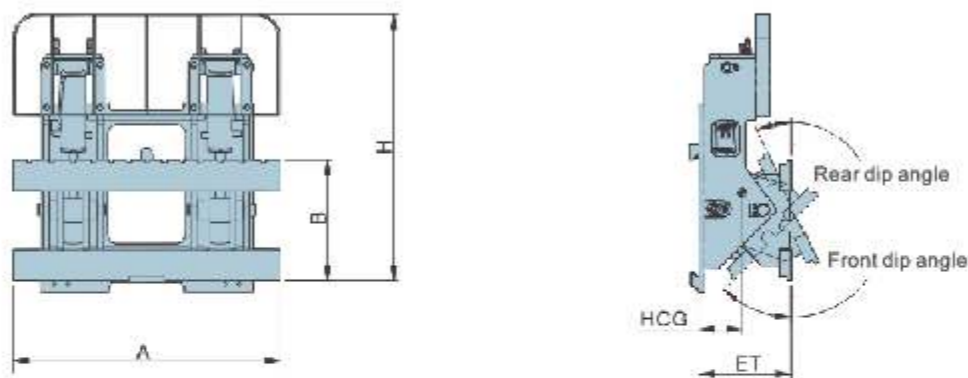
- Notes: 1. Please gain the actual overall carrying capacity of forklift trucks/attachments from the forklift truck manufacturers.
 2. Forklift truck needs to add a group of additional oil lines to match the attachments, all the oil cylinders have self-locking functions.
 3. It can be equipped with various models of tipping (shovel) scoops according to the needs of users.



| Model | Pressure Value Bar | | Flow Value L/min | | |
|-------|-----------------------|------|---------------------|-----------|------|
| | Max. | Max. | Min. | Recommend | Max. |
| QF**F | 35 | 160 | 19 | 38 | 57 |

Configuration of Key Parts of Truck Attachments

1. Hydraulic system: the oil cylinders adopt originally imported hydraulic control check valves; all the seals adopt imported products; and the high-pressure rubber hoses adopt cone sealed high-performance imported rubber hoses.
2. Structural part: the fork carriages are welded by high-performance alloy steel plates.
3. Mechanical performance: it can realize 45° forward tilting and 25° backward tilting, and it adds hydraulic control check valves for the oil cylinders to realize holding pressure for a long time, and further ensure the safety at work or rubber hoses burst.
4. Applicable scope: it can forward tipping the bulk cargoes in containers safely and efficiently; and it's equipped with shovel, which can scrape various loose cargoes, such as sand, coal, grain, fertilizer, clod and broken bricks, etc..



| Capacity@ Load Center (Kg@mm) | Catalog Order No. | Truck Mounting Class | Hinged Fork Mounting Class | Cylinder Quantity | Carriage Width A (mm) | Carriage Height B (mm) | Overall Height H (mm) | Weight (kg) | Effective Thickness ET (mm) | Tilt Forward Tilt Backward 45°/25° | Horizontal Center of Gravity HCG (mm) | Available Forklift (t) |
|----------------------------------|-------------------|----------------------|----------------------------|-------------------|--------------------------|---------------------------|--------------------------|----------------|--------------------------------|--|--|---------------------------|
| 3500@500 | QF35F-B1-02 | III | III | double | 1100 | 506 | 1172 | 360 | 392 | 45°/25° | 165 | 3-4.5t |
| 4500@600 | QF45F-B1-01 | III | III | double | 1800 | 506 | 1172 | 680 | 392 | 45°/25° | 193 | 3-4.5t |
| 4500@600 | QF45F-B2-01 | III | III | double | 1126 | 506 | 1172 | 510 | 392 | 45°/25° | 132 | 3-4.5t |
| 4500@600 | QF45F-B3-01 | III | III | double | 1500 | 506 | 1172 | 670 | 392 | 45°/25° | 190 | 3-4.5t |
| 5000@600 | QF50F-C1-01 | IV | III | double | 1800 | 506 | 1172 | 690 | 392 | 45°/25° | 193 | 5-7t |
| 5000@600 | QF50F-C2-01 | IV | IV | double | 1785 | 634 | 1210 | 785 | 427 | 45°/25° | 210 | 5-7t |

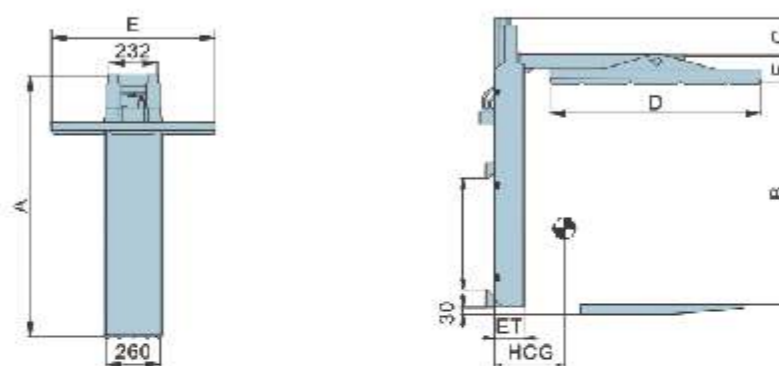
- Notes: 1. Please gain the actual overall carrying capacity of forklift trucks/attachments from the forklift truck manufacturers.
 2. Forklift truck needs to add a group of additional oil lines to match the attachments, and all the oil cylinders have self-locking functions.
 3. It can be equipped with various models of tipping (shovel) scoops according to the needs of users.



| Model | Pressure Value Bar | | Flow Value L/min | | |
|-------|-----------------------|------|---------------------|-----------|------|
| | Min. | Max. | Min. | Recommend | Max. |
| QF**F | 35 | 160 | 19 | 38 | 57 |

Configuration of Key Parts of Truck Attachments

1. Hydraulic system: the oil cylinders adopt originally imported hydraulic control check valves; all the seals adopt imported products; and the high-pressure rubber hoses adopt cone sealed high-performance imported rubber hoses.
2. Structural part: the fork carriages are welded by high-performance alloy steel plates.
3. Mechanical performance: It adds hydraulic control check valves for the oil cylinders to realize holding pressure for a long time, and further ensure the safety at work or rubber hoses burst.
4. Applicable scope: it can forward tipping the bulk cargoes in containers safely and efficiently; and it's equipped with shovel, which can scrape various loose cargoes, such as sand, coal, grain, fertilizer, clod and broken bricks, etc..



| Capacity@ Load Center (Kg@mm) | Catalog Order No. | Mounting Class | Moving Range B (mm) | Overall Height A (mm) | Height C (mm) | F (mm) | Contact Pad Packing Force (bar) | Weight (kg) | Effective Thickness ET (mm) | Contact Pad Length D | Contact Pad Width E | Horizontal Center of Gravity HCG (mm) | Available Forklift (t) |
|----------------------------------|-------------------|----------------|------------------------|--------------------------|------------------|--------|------------------------------------|----------------|--------------------------------|-------------------------|------------------------|--|---------------------------|
| 2000@500 | WD20J-A1 | II | 955-1965 | 1240 | 170 | 116 | 100-160 | 275 | 126 | 1100 | 1100 | 340 | 1-2.5t |
| 2000@500 | WD20J-A2 | II | 1485-2495 | 1770 | 170 | 116 | 100-160 | 310 | 126 | 1100 | 1100 | 320 | 1-2.5t |
| 2000@500 | WD20J-A3 | II | 1085-2095 | 1290 | 170 | 116 | 100-160 | 250 | 126 | 910 | 910 | 290 | 1-2.5t |
| 3000@500 | WD30J-A1 | II | 955-1965 | 1240 | 170 | 116 | 100-160 | 240 | 126 | 910 | 780 | 275 | 1-2.5t |
| 3000@500 | WD30J-A2 | II | 955-1965 | 1240 | 170 | 116 | 100-160 | 250 | 126 | 910 | 910 | 290 | 1-2.5t |
| 3000@500 | WD30J-B1 | III | 955-1965 | 1240 | 170 | 116 | 100-160 | 240 | 126 | 910 | 780 | 275 | 3-4.5t |
| 3000@500 | WD30J-B2 | III | 955-1965 | 1240 | 170 | 116 | 100-160 | 275 | 126 | 1100 | 1100 | 340 | 3-4.5t |
| 3000@500 | WD30J-B3 | III | 955-1965 | 1240 | 170 | 116 | 100-160 | 260 | 126 | 1000 | 1000 | 315 | 3-4.5t |

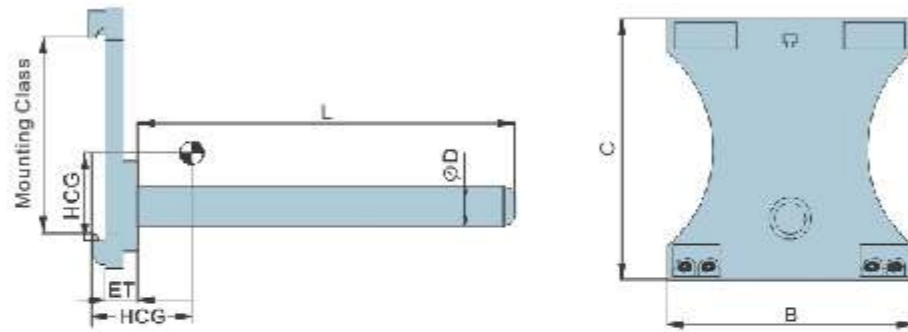
- Notes: 1. Please gain the actual overall carrying capacity of forklift trucks/attachments from the forklift truck manufacturers.
 2. Forklift truck needs to add a group of additional oil lines to match the attachments.
 3. Before choosing the full free series forklift trucks, please contact with Indotara Persada to confirm whether such model of forklift trucks can be used.

| Model | Pressure Value Bar | | Flow Value L/min | | |
|-------|-----------------------|------|---------------------|-----------|------|
| | Min. | Max. | Min. | Recommend | Max. |
| WD**J | 100 | 160 | 19 | 30 | 38 |



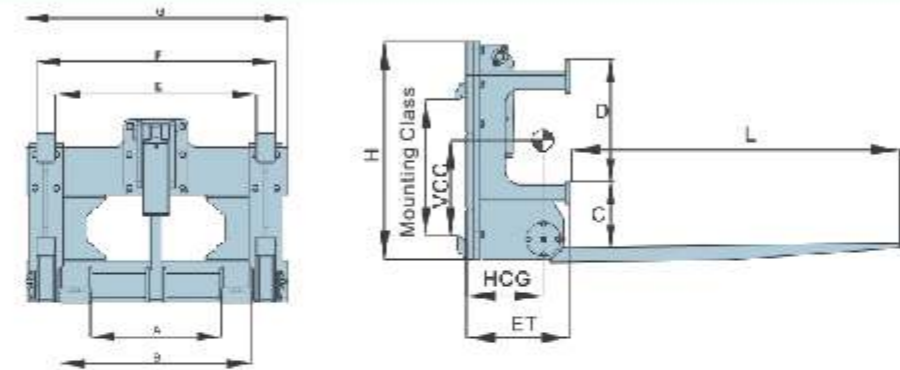
Configuration of Key Parts of Truck Attachments

1. Hydraulic system: it's equipped with adjustable pressure control valves, and it can be adjusted according to the requirements; all the seals adopt imported products; and the high-pressure rubber hoses adopt cone sealed high-performance imported rubber hoses.
2. Structural part: main parts adopt high-strength steel plates, which are good in anti-deformation and rational in exterior design as well as simple & elegant.
3. Mechanical performance: it adjusts by oil cylinder, and it can make the adjustment of opening/clamping according to different height of cargoes, which has good view; and it can meet the use requirements by adding a group of oil lines.
4. Applicable scope: it's widely used in food, beverage, import & export trading industries, etc., and it's mainly used to stabilize the cargoes on the pallets, so as to prevent the cargoes from falling down during the carrying process due to staying too high.



| Capacity@ Load Center (Kg@mm) | Catalog Order No. | Mounting Class | Rod Diameter D | Bar Arm Length L | Weight (kg) | Effective Thickness ET (mm) | Vertical Center of Gravity VCG (mm) | Horizontal Center of Gravity HCG (mm) | Overall Width /Overall Height B/C (mm) |
|----------------------------------|-------------------|----------------|-------------------|---------------------|----------------|--------------------------------|--|--|---|
| 1000@500 | CG10G-A1 | II | 60 | 1070 | 105 | 40 | 193 | 142 | 500/530 |
| 1000@500 | CG10G-A4 | II | 65 | 1070 | 110 | 40 | 192 | 156 | 500/530 |
| 1000@500 | CG10G-A8 | II | 70 | 1070 | 115 | 40 | 192 | 170 | 500/530 |
| 1000@500 | CG10G-A13 | II | 75 | 2000 | 155 | 80 | 200 | 488 | 440/525 |
| 1000@700 | CG10G-B1 | III | 85 | 1070 | 275 | 50 | 283 | 125 | 500/635 |
| 1000@700 | CG10G-B6 | III | 100 | 1070 | 295 | 50 | 281 | 155 | 500/635 |
| 1500@500 | CG15G-B1 | III | 70 | 1100 | 160 | 80 | 212 | 148 | 493/636 |
| 2000@700 | CG20G-B3 | III | 70 | 1450 | 180 | 80 | 204 | 222 | 493/636 |
| 1500@500 | CG30G-B1 | III | 70 | 1000 | 155 | 80 | 215 | 129 | 493/636 |
| 4500@500 | CG45G-C1 | IV | 140 | 1100 | 400 | 95 | 326 | 225 | 680/785 |

Notes: Please gain the actual overall carrying capacity of forklift trucks/attachments from the forklift truck manufacturers.



| Capacity@ Load Center (Kg@mm) | Catalog Order No. | Mounting Class | Effective Thickness ET (mm) | Fork Thickness A/B (mm) | Tilt Forward Angle α (°) | Fork Thickness E/F (mm) | Fork Length L/T (mm) | Fork Spacing C/D (mm) | Frame Width G/H (mm) | Horizontal/ Vertical Center of Gravity HCG/VCG (mm) | Weight (kg) | Available Forklift (t) |
|----------------------------------|-------------------|----------------|--------------------------------|----------------------------|-----------------------------|----------------------------|-------------------------|--------------------------|-------------------------|--|----------------|---------------------------|
| 3000@600 | HW30G-B1 | III | 363 | 545/795 | 73° | 835/995 | 1150/50 | 230/430 | 1100/762 | 312/285 | 420 | 3-4.5t |
| 3000@600 | HW30G-B2 | III | 363 | 545/795 | 73° | 835/995 | 1150/50 | 230/478 | 1100/762 | 312/287 | 420 | 3-4.5t |
| 3000@600 | HW30G-B3 | III | 363 | 545/795 | 73° | 680/840 | 1150/50 | 330/430 | 1100/762 | 280/173 | 440 | 3-4.5t |

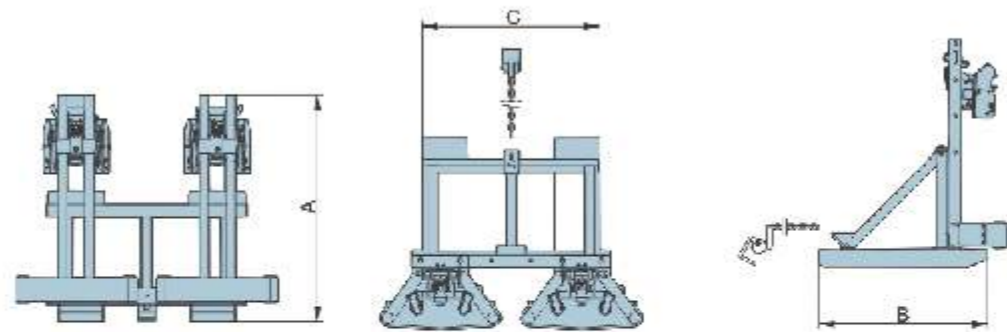
Notes: 1. Please gain the actual overall carrying capacity of forklift trucks/attachments from the forklift truck manufacturers.
2. Forklift truck needs to add a group of additional oil lines to match the attachments.

| Model | Pressure Value Bar | | Flow Value L/min | | |
|-------|-----------------------|------|---------------------|-----------|------|
| | Min. | Max. | Min. | Recommend | Max. |
| HW**G | 35 | 160 | 19 | 38 | 57 |



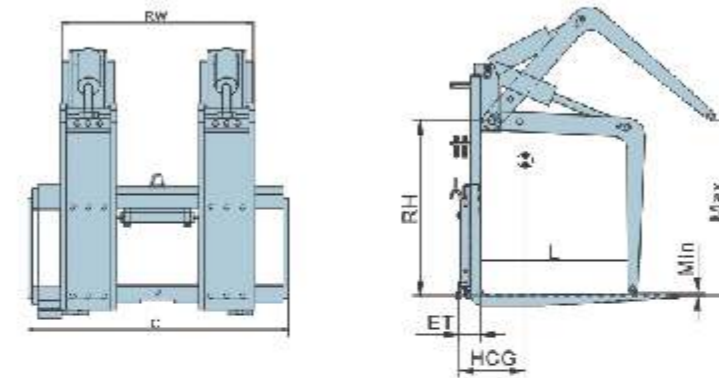
Configuration of Key Parts of Truck Attachments

1. Hydraulic system: all the seals adopt imported products; and the high-pressure rubber hoses adopt cone sealed high-performance imported rubber hoses.
2. Structural part: the forks adopt alloy steel castings, and frame body is welded by high-performance alloy steel plated.
3. Mechanical performance: it can realize 73° forward tilting, and it adds hydraulic control check valves for the oil cylinders to realize holding pressure for a long time, and further ensure the safety at work or rubber hoses burst; and it can meet the use requirements by adding a group of oil lines.
4. Applicable scope: it's applied to the sites of forward tipping the cargoes efficiently, etc., especially the Sanitation Department, so as to save the time of manual handling and tipping.



| Capacity@ Load Center (Kg@mm) | Catalog Order No. | Overall Length B (mm) | Overall Height A (mm) | Weight (kg) | Frame Width C (mm) | Available Forklift (t) |
|-------------------------------------|----------------------|--------------------------------|--------------------------------|----------------|-----------------------------|------------------------------|
| 900@1500 | YT09G-A1 | 1080 | 960 | 115 | 840 | 1-10t |
| 2000@1500 | YT20G-B1 | 1080 | 980 | 165 | 840 | 1-10t |

- Notes: 1. Please gain the actual overall carrying capacity of forklift trucks/attachments from the forklift truck manufacturers.
 2. It can be used in conjunction with 1-1 Ot forklift trucks, which can be directly covered on the truck fork with convenient installation.
 3. The actual load center spacing is large, and the effective load may be only about half of the actual load.



| Capacity@ Load Center (Kg@mm) | Catalog Order No. | Mounting Class | Raker Width RW (mm) | Raker Pivot Height RH (mm) | Raker Pivot Height (mm) | Minimum Cila Distance L (mm) | Fork Length FL (mm) | Frame Width C (mm) | Effective Thickness ET (mm) | Horizontal Center of Gravity HCG (mm) | Weight (kg) | Available Forklift (t) |
|-------------------------------------|----------------------|-------------------|------------------------------|--|----------------------------------|--|------------------------------|-----------------------------|--------------------------------------|---|----------------|------------------------------|
| 3000@600 | YM30G-B1 | III | 1030 | 1105 | 1330/100 | 1075 | Standard fork | 1380 | 116 | 280 | 685 | 3-4.5t |
| 4500@600 | YM45G-B1 | III | 1000 | 890 | 935/10 | 775 | Standard fork | 1380 | 116 | 200 | 610 | 3-4.5t |

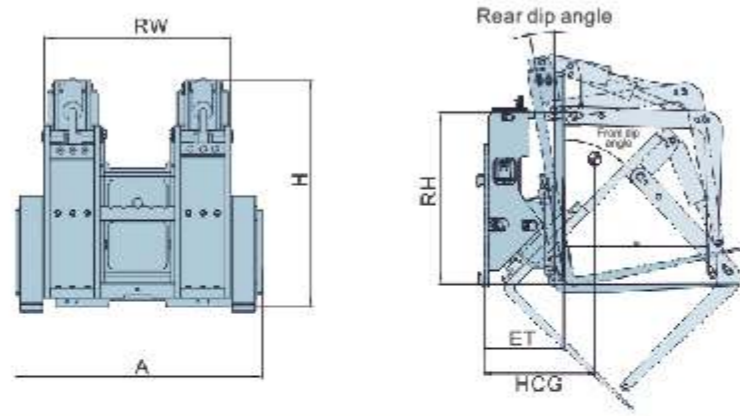
- Notes: 1. Please gain the actual overall carrying capacity of forklift trucks/attachments from the forklift truck manufacturers.
 2. Forklift truck needs to add two groups of additional oil lines so as to match the attachments.

| Model | Pressure Value Bar | | Flow Value L/min | | |
|-------|-----------------------|------|---------------------|-----------|------|
| | Min. | Max. | Min. | Recommend | Max. |
| YM**G | 35 | 160 | 19 | 38 | 57 |



Configuration of Key Parts of Truck Attachments

1. Hydraulic system: the oil cylinders adopt originally imported hydraulic control check valves; all the seals adopt imported products; and the high-pressure rubber hoses adopt cone sealed high- performance imported rubber hoses.
2. Mechanical performance: ifs equipped with sideshifting function outside, which shall be used in conjunction with external fork, so as to realize forward tilting clamp; and it adds hydraulic control check valves for the oil cylinders to realize holding pressure for a long time, and further ensure the safety at work or rubber hoses burst.
3. Applicable scope: it's applied to the transportation by clamping various round pieces of wood and round clothes, etc., which reduces the logistics costs and increases the production efficiency significantly.



| Capacity@ Load Center (Kg@mm) | Catalog Order No. | Truck Mounting Class | Carriage Width A (mm) | Raker Width RW (mm) | Raker Pivot Height RH (mm) | Minimum Clip Distance L (mm) | Effective Thickness ET (mm) | Horizontal Center of Gravity HCG (mm) | Tilt Forward Tilt Backward | Weight (kg) | Available Forklift (t) |
|----------------------------------|-------------------|----------------------|--------------------------|------------------------|-------------------------------|---------------------------------|--------------------------------|--|-------------------------------|----------------|---------------------------|
| 3000@500 | QY30G-B1 | III | 1500 | 345 | 1100 | 970 | 345 | 350 | 50°/10° | 870 | 3-4.5t |
| 5000@600 | QY50G-C4 | IV | 1785 | 275 | 1170 | 970 | 385 | 350 | 45°/10° | 960 | 5-7t |
| 2500@600 | QY25G-B6 | III | 1380 | 345 | 1100 | 970 | 335 | 430 | 50°/10° | 700 | 3-4.5t |
| 2500@500 | QY25G-B7 | III | 1380 | 310 | 1090 | 980 | 380 | 430 | 50°/10° | 545 | 3-4.5t |

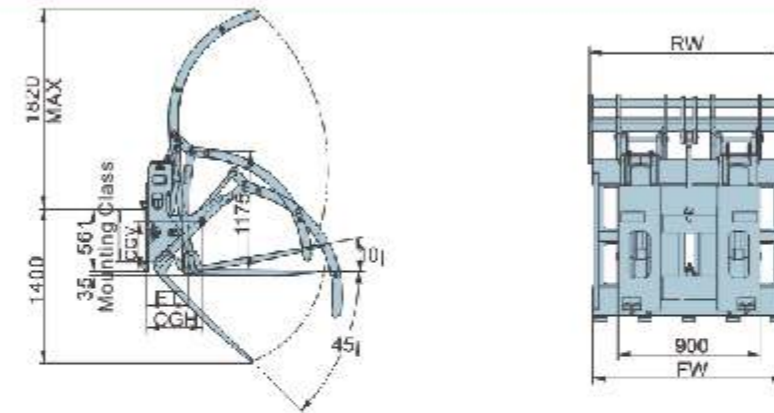
Notes: 1. Please gain the actual overall carrying capacity of forklift trucks/attachments from the forklift truck manufacturers.
2. Forklift truck needs to add two groups of additional oil lines to match the attachments, and all the oil cylinders have self-locking functions.



| Model | Pressure Value Bar | | Flow Value L/min | | |
|-------|-----------------------|------|---------------------|-----------|------|
| | Min. | Max. | Min. | Recommend | Max. |
| QY**G | 35 | 160 | 19 | 38 | 57 |

Configuration of Key Parts of Truck Attachments

1. Hydraulic system: the oil cylinders adopt originally imported hydraulic control check valves; all the seals adopt imported products; and the high-pressure rubber hoses adopt cone sealed high-performance imported rubber hoses.
2. Structural part: the fork carriages are welded by high-performance alloy steel plates.
3. Mechanical performance: it can realize 45° forward tilting and 19° backward tilting; and it adds hydraulic control check valves for the oil cylinders to realize holding pressure for a long time, and further ensure the safety at work or rubber hoses burst.
4. Applicable scope: it's applied to the transportation/tipping by clamping various round pieces of wood and round clothes, etc., which reduces the logistics costs and increases the production efficiency significantly.



| Capacity@ Load Center (Kg@mm) | Catalog Order No. | Mounting Class | Fork Length (mm) | Fork Width (mm) | Tilt Angle/Forks (Up/Down) (mm) | Raker width (mm) | Raker Pivot Height (mm) | Effective Thickness (mm) | Vertical Center of Gravity VCG (mm) | Horizontal Center of Gravity HCG (mm) | Weight (kg) | Available Forklift (t) |
|----------------------------------|-------------------|----------------|---------------------|--------------------|------------------------------------|---------------------|----------------------------|-----------------------------|--|--|----------------|---------------------------|
| 2000@500 | FC20Q-B2 | III | | | 20° /45° | 1170 | 760 | 375 | 365 | 395 | 580 | 3-4.5t |
| 2000@600 | FC30Q-B1 | III | 1150 | 1200 | 10° /45° | 1260 | 1175 | 390 | 370 | 480 | 860 | 3-4.5t |
| 2000@600 | FC30Q-B2 | III | 1400 | 1200 | 10° /45° | 1260 | 1175 | 390 | 385 | 540 | 895 | 3-4.5t |

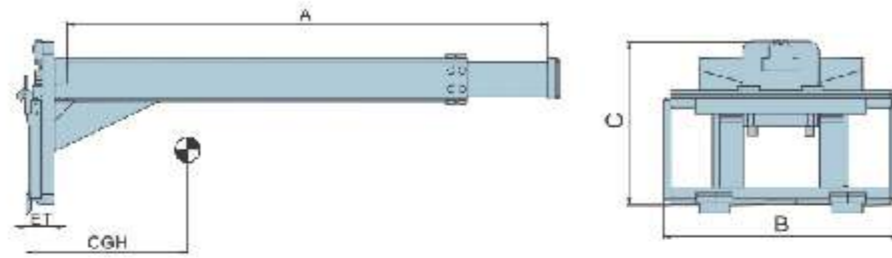
Notes: 1. Please gain the actual overall carrying capacity of forklift trucks/attachments from the forklift truck manufacturers.
2. Forklift truck needs to add two groups of additional oil lines to match the attachments, and all the oil cylinders have self-locking functions.

| Model | Pressure Value Bar | | Flow Value L/min | | |
|-------|-----------------------|------|---------------------|-----------|------|
| | Min. | Max. | Min. | Recommend | Max. |
| FC**Q | 35 | 160 | 19 | 38 | 57 |



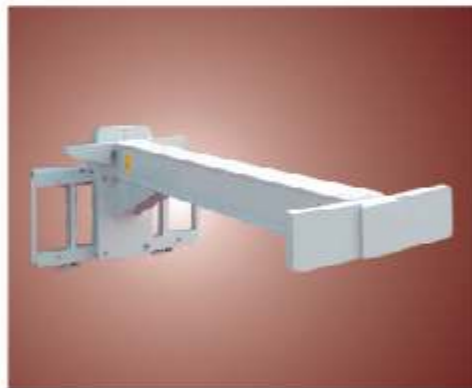
Configuration of Key Parts of Truck Attachments

1. Hydraulic system: the oil cylinders adopt originally imported hydraulic control check valves; all the seals adopt imported products; and the high-pressure rubber hoses adopt cone sealed high-performance imported rubber hoses.
2. Structural part: all the structural parts are welded by high-performance alloy steel plates.
3. Mechanical performance: it can realize 45° forward tilting and 10° backward tilting; and it adds hydraulic control check valves for the oil cylinders to realize holding pressure for a long time, and further ensure the safety at work or rubber hoses burst.
4. Applicable scope: it's applied to the transportation/tipping by clamping waste paper and other soft-material cargoes, which reduces the logistics costs and increases the production efficiency significantly.



| Capacity (Kg@mm) | Catalog Order No. | Truck Mounting Class | Total Reach A (mm) | Total Slidshift (mm) | Overall Width B (mm) | Overall Height C (mm) | Weight (kg) | Effective Thickness ET (mm) | Horizontal Center of Gravity HCG (mm) | Available Forklift (t) |
|---------------------|----------------------|----------------------------|-----------------------------|----------------------------|-------------------------------|--------------------------------|----------------|--------------------------------------|---|------------------------------|
| 2500@1100 | BL25G-B1 | III | 1900-2595 | 200(±100) | 1100 | 857 | 520 | 166 | 890 | 3-4.5t |

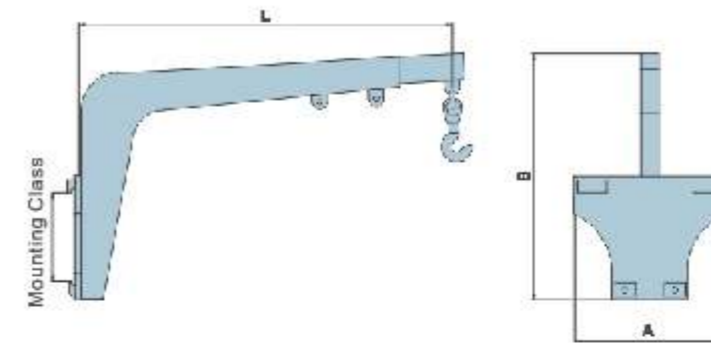
Notes: 1. Please gain the actual overall carrying capacity of forklift trucks/attachments from the forklift truck manufacturers.
2. Forklift truck needs to add two groups of additional oil lines so as to match the attachments.



| Model | Pressure Value Bar | | Flow Value L/min | | |
|--------------|-----------------------|------|---------------------|-----------|------|
| | Min. | Max. | Min. | Recommend | Max. |
| BL**G | 35 | 160 | 15 | 22 | 22 |

Configuration of Key Parts of Truck Attachments

1. Hydraulic system: it's equipped with two-way hydraulic lock to realize two-way holding pressure; all the seals adopt imported products; and the high-pressure rubber hoses adopt cone sealed high-performance imported rubber hoses.
2. Mechanical performance: it's equipped with sideshifting function outside, and can move left and right 100mm respectively.
3. Applicable scope: it's applied to the handling operation of glass products, which reduces the logistics costs and increases the production efficiency significantly.



| Capacity@ Load Center Kg | Catalog Order No. | Truck Mounting Class | Crane Jib type | Hook Number | Hoisting Position | Overall Width A (mm) | Overall Height B (mm) | Weight (kg) | Available Forklift (t) |
|--------------------------------|----------------------|----------------------------|-------------------|----------------|--------------------------------------|-------------------------------|--------------------------------|----------------|------------------------------|
| 1000 | QZ10G-X1 | Fork type | Single boom | 1 | 1800, 2000, 2200 2400, 2600, 2800 | 485 | 658 | 250 | 1-7t |
| 2500 | QZ25G-B2 | III | Single boom | 1 | 1300, 1600, 2000 2300, 2600 | 800 | 1335 | 300 | 3-4.5t |
| 1500 | QZ15G-B1 | III | Single boom | 1 | 1130 | 600 | 1800 | 250 | 3-4.5t |
| 3000 | QZ30G-B5 | III | Single boom | 1 | 1050, 1550 | 600 | 1478 | 365 | 3-4.5t |
| 2000 | QZ20G-B6 | III | Double boom boom | 4 | 400, 1400 | 1080 | 1475 | 365 | 3-4.5t |
| 4000 | QZ40G-C1 | IV | Single boom | 2 | 830, 1630 | 600 | 1480 | 375 | 5-7t |
| 3000 | QZ30G-C2 | IV | Double boom boom | 2 | 1030, 1880 | 1600 | 1300 | 880 | 5-7t |

