



**ATiB** MATERIAL  
HANDLING



# Forklift Attachments and Masts

**2026**

CATALOGUE

[www.atib.com](http://www.atib.com)

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Learn more about  
ATiB Material Handling  
and watch the corporate video!

# 01 INTRO

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Our Company

Since 1972 our engineers have been studying and producing reliable, high-performance and high-quality Attachments and Masts for Lift Trucks, that have always helped consumers to solve difficult logistic problems, making goods handling faster and safer.

Over the years, the Company's sales network has expanded to more than 50 Countries worldwide.

Among the leading products, ATIB Material Handling offers: Sideshifts, Fork Positioners, Multi Pallet Handlers, Rotators and Clamps, but also special and customized products, designed and tailored by our technical engineers on the basis of information provided by customers.

Thanks to their reliability, our attachments can be adapted as solutions in any industrial sector and can work on different types of machinery (such as forklifts, mini-loaders, telehandlers, etc...).



General Sales Conditions

Orders

All orders are considered accepted unless otherwise advised by A.T.I.B. S.r.l..

Prices

The prices are to be considered V.A.T. excluded (as well as any other tax or duty applicable at the time of shipment) unless different agreements are reported in writing in our official order confirmation. The prices of our attachments do NOT include hydraulic and/or electrical kits.

Payments

Payments has to be made exclusively in our premises, according to the conditions established and stated in our order confirmation. If are not respected, default interest may be charged and/or the contract may be cancelled. Ownership of the attachments is transferred when the payment will be fully completed.

Deliveries

The delivery terms indicated in our order confirmations are indicative and must be considered without any unforeseen circumstances. Any delays DO NOT give the right to cancel the order, nor to compensation for damages, or payment of penalties, unless otherwise agreed that must be indicated on our order confirmation.

Warranty

ATIB Material Handling products, except for wear parts, are guaranteed 36 months or 6000 hours (first deadline reached) from the date of delivery. Under our guarantee, repairs are to be carried out in our plant of manufacture, with no charge for materials or labour.

Applicable Law and Jurisdiction

These Terms and any dispute must be interpreted according to the Italian laws and are the exclusive competence of the Court of Brescia (ITALY).

For detailed General Sales Conditions visit our website

General Information

The technical features of this Catalogue are subject to changes and revisions and may be changed by ATIB Material Handling at any time and without notice, in order to improve the products. If you wish to make changes to some of our attachment, these must be accepted in advance in writing by our technical department. Any unauthorized alteration may affect the proper functioning of the equipment and may, thereby, have the effect of revoking any form of guarantee with immediate effect.

Reference

The reference number (ART. N°) indicated in the first column of the tables of this Catalogue, identifies the attachment in its entirety, and will also be reported on our order confirmation, our delivery note and our invoice. It will also be reported, together with the serial number and the main technical details, on the identification plate of the attachment itself, making it easier to identify for future orders of spare parts.

Attachments Capacity

The Capacity indicated in this Catalogue represents only a structural limit; the load and working conditions must always be taken into consideration when determining the most suitable attachment. The Capacity indicated in each table refers to the attachment only. Since the attachment, once installed, reduces the nominal capacity of the forklift, the residual capacity of the attachment/forklift combination must always be confirmed by the forklift manufacturer, but can be roughly calculated using the formula on page 11.

Spare Parts

Using non-original ATIB Material Handling spare parts may cause malfunction of the attachment and will cause the immediate lapse of warranty.

Mounting

Every item required for the mounting of our attachments on the forklift can be supplied by us upon request.

Hydraulic Kits

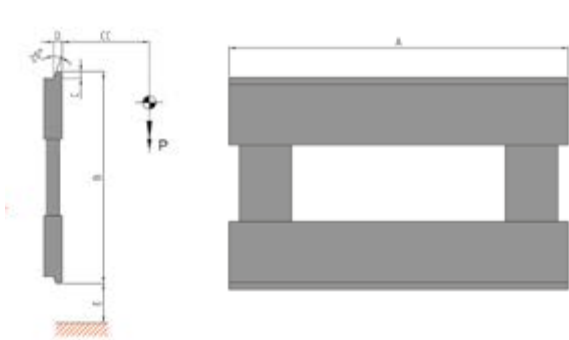
ATIB Material Handling attachments require one or more hydraulic functions of the forklift for the functioning.

Working Pressure

The working pressure of each attachment shall not exceed the values given in this Catalogue.

Attachment Hooks

ATIB Material Handling attachments are provided with ISO 2328 hooks. Hooking classes other than those mentioned above are considered as special and therefore only available on request, providing our technical department with the data reported in the table below.



| ISO 2328 | FORKLIFT CAPACITY P - Kg | LOAD CENTRE mm | A mm | B mm | C mm | D mm | E mm |         |
|----------|--------------------------|----------------|------|------|------|------|------|---------|
| 1        | up to 999                | 400            | ⊗    | 331  | 13   | 16   | A B  | 76 114  |
| 2        | 1000 to 2500             | 500            | ⊗    | 407  | 13   | 16   | A B  | 76 152  |
| 3        | 2501 to 4999             | 500            | ⊗    | 508  | 16   | 21,5 | A B  | 76 203  |
| 4        | 5000 to 8000             | 600            | ⊗    | 635  | 19   | 25,5 | A B  | 127 254 |
| 5        | 8001 to 10999            | 600            | ⊗    | 728  | 25   | 34   | A B  | 127 257 |

Special products

On request it is possible to design special or customized attachments. The study and design of each product are carried out by our technical department. We invite you to contact us if necessary.

Delivery conditions

If not expressly indicated in the order confirmation, the prices are intended EX WORKS, all other expenses are therefore under customer's responsibility.

Side Shifting

It facilitates the manoeuvres of the forklift drivers and for this reason is increasingly in demand and used. ATIB Material Handling offers two different types of Sideshift:

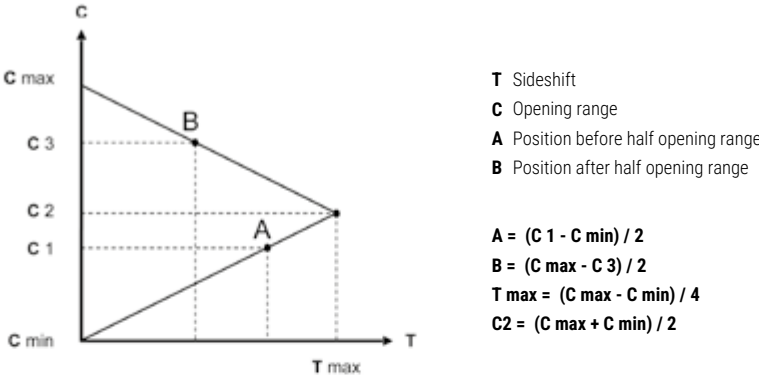
• **Semi-Integral Sideshift (SLS):** It uses a separate cylinder for translation and therefore has a constant stroke with any opening. In this case, the weight, thickness and centre of gravity are slightly modified.

• **Sideshifting Valve:** It uses the same cylinders that make the clamping. The stroke depends on the opening, which is equal to zero both in maximum amplitude and in minimum closing.

As the stroke may be higher than defined by the forklift stability rules (100+100 mm up to 6300 Kg capacity and 150+150 mm for higher capacities), it could cause problems with lateral stability and therefore premature wear of the mast profiles. It is therefore considered necessary to verify its applicability with the manufacturer of the forklift.

The Sideshifting Valve does not affect the weight, thickness or centre of gravity of the attachment and therefore does not further limit the residual flow of the carriage.

To determine the travel of the Sideshifting Valve with a given load you have to calculate the difference between the width of the load with the maximum opening and the minimum opening. The translation will correspond to the lesser of these two results.



Solenoid Valve

The Solenoid Valve is used to direct the oil flow in one between two hydraulic functions, usually when the attachment requires three. The first two are operated by the Control Valve, while the Solenoid Valve operates the third.

For example, a Rotating Clamp with Sideshift has a dedicated first function for clamping (for safety reasons), while the second function is connected with a Solenoid Valve, so that it can be rotated or translated. To power the solenoid valve, the forklift must be equipped with a feeding cable that runs from the generator or battery through the mast to the fork carriage. The Solenoid Valve can be operated by means of a push-button switch on a lever or a lever switch installed on the control panel.

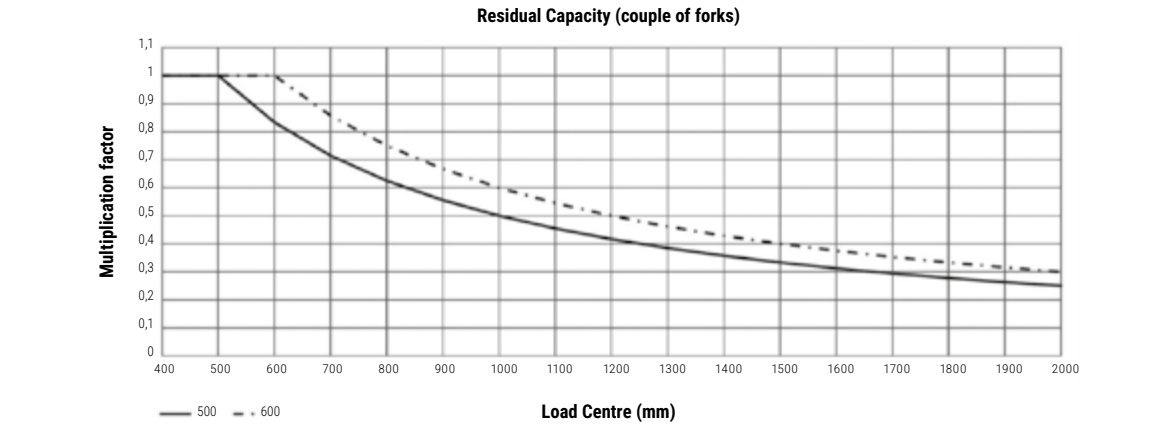
Please note that the solenoid valve coil must have the same control voltage as the forklift.

Residual Capacity Calculation

Knowing the Residual Capacity of your forklift is important in determining its compatibility with the attachment. However, to know it exactly, it is necessary to consult the manufacturer of the forklift.  
To know the Residual Capacity of the attachment just check the data on the identification plate glued to it, under the heading "Capacity".

It is possible to obtain approximately the Residual Capacity of the forklift with the calculation shown on the next page.

**NOTE:**  
The calculation applies only to "stable" loads; when handling liquid containers it is necessary to consult the manufacturer of the Forklift.  
Do not exceed the Nominal Capacity of the attachment.  
The result obtained from this calculation is not to be considered effective, but only approximate. We invite you to consult the manufacturer of the forklift to confirm it.

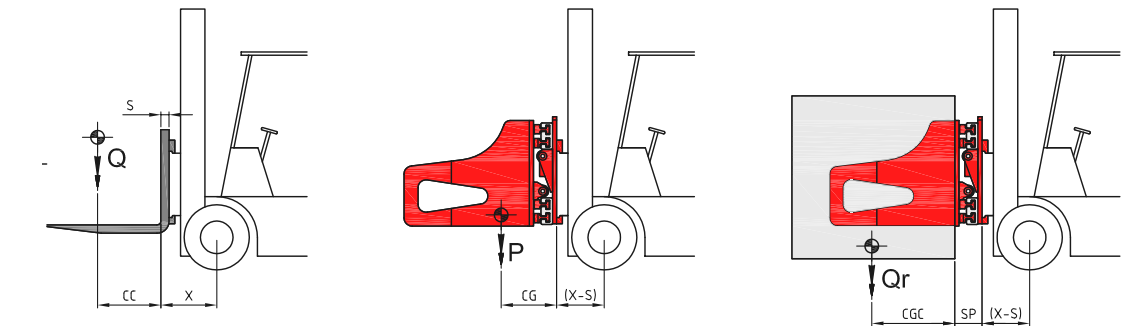


If there is a need to increase the distance of the centre of gravity from the vertical part of the fork, the weight of the load must be reduced. In this case it is recommended to consult the table above where, according to the increase of the centre of gravity (x-axis) there is a load reduction multiplying factor (y-axis). The multiplying factor, based on the desired load centre position, shall be multiplied by the nominal capacity of the attachment. The product of this multiplication will be the actual capacity of the attachment. The continuous line is to be considered for attachments with 500 mm load centre. The dotted line is for attachments with 600 mm load centre.



Scan the Qrcode to immediately calculate the Residual Capacity of your Forklift!

How to calculate the Residual Capacity



FORKLIFT DATA

CC (mm)

+

X (mm)

=

RC (mm)

Q (kg)

x

RC (mm)

=

V (Kg mm)

ATTACHMENT DATA

CG (mm)

+

X - S (mm)

=

RA (mm)

P (mm)

x

RA (mm)

=

VV (Kg mm)

LOAD DATA

CGC (mm)

+

SP (mm)

+

X - S (mm)

=

BC (mm)

V (Kg mm)

-

VV (Kg mm)

=

MR (Kg mm)

RESIDUAL CAPACITY

MR (Kg mm)

:

BC (mm)

=

RESIDUAL CAPACITY



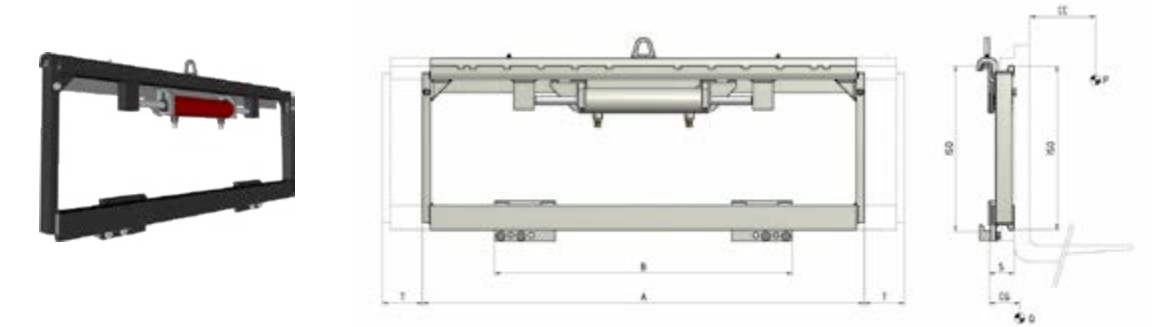
# 02

## SIDESHIFTS

|                              |    |
|------------------------------|----|
| <b>209</b>                   |    |
| Hook on Sideshift IS02       | 14 |
| <b>109</b>                   |    |
| Hook on Sideshift IS03       | 15 |
| <b>108</b>                   |    |
| Reinforced Hook on Sideshift | 16 |
| <b>122</b>                   |    |
| Integral Sideshift           | 17 |

|             |    |
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| Accessories | 19 |
|-------------|----|

209 Hook on Sideshift ISO2



FEATURES

SPECIAL EQUIPMENT

- Sturdy and long lasting design.
  - Transverse load displacement.
  - Fast and accurate lifting and positioning of loads.
  - Lower risk of damage to goods and pallets.
  - Easier manoeuvres, even in confined spaces.
- Special widths and/or strokes.
  - Custom made Forks.
  - Custom made Load Backrest.

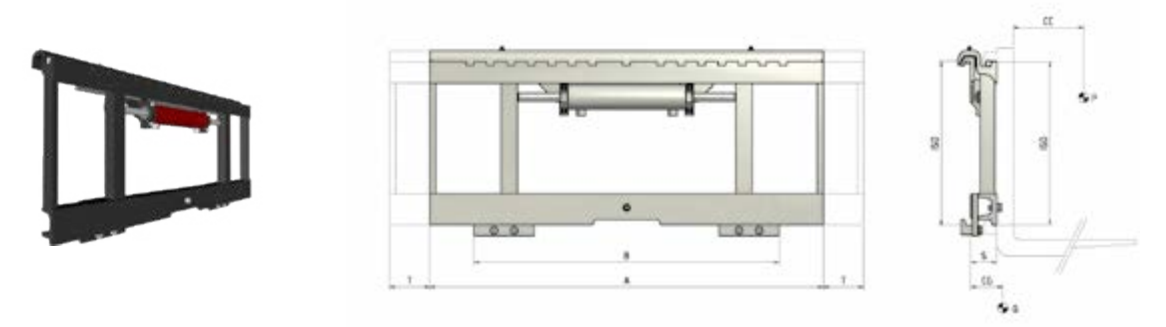
| Article     | Attachment Capacity | Load Centre of Gravity | ISO  | Carriage Width | Minimum Fork Carriage | Stroke | Thickness | Centre of Gravity | Weight | Price |
|-------------|---------------------|------------------------|------|----------------|-----------------------|--------|-----------|-------------------|--------|-------|
| Nº          | P (Kg)              | CC (mm)                | 2328 | A (mm)         | B (mm)                | T (mm) | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 03LFA2C3001 | 2500                | 500                    | 2    | 920            | 860                   | ± 100  | 63        | 34                | 48     | -     |
| 03LFA2C3008 | 2500                | 500                    | 2    | 970            | 910                   | ± 100  | 63        | 35                | 49     | -     |
| 03LFA2C3003 | 2500                | 500                    | 2    | 1000           | 940                   | ± 100  | 63        | 36                | 50     | -     |
| 03LFA2C3004 | 2500                | 500                    | 2    | 1020           | 960                   | ± 100  | 63        | 36                | 51     | -     |
| 03LFA2C3005 | 2500                | 500                    | 2    | 1040           | 980                   | ± 100  | 63        | 36                | 52     | -     |
| 03LFA2C3006 | 2500                | 500                    | 2    | 1100           | 1040                  | ± 100  | 63        | 37                | 55     | -     |
| 03LFA2C3007 | 2500                | 500                    | 2    | 1150           | 1090                  | ± 100  | 63        | 38                | 57     | -     |

|  |             |    |
|--|-------------|----|
|  | ISO (L/min) | 2  |
|  | Shifting    | 10 |

Hydraulic Functions: 1  
Max working pressure: 200 Bar

Accessories page 19

109 Hook on Sideshift ISO3



FEATURES

SPECIAL EQUIPMENT

- Sturdy and long lasting design.
  - Transverse load displacement.
  - Fast and accurate lifting and positioning of loads.
  - Lower risk of damage to goods and pallets.
  - Easier manoeuvres, even in confined spaces.
- Special widths and/or strokes.
  - Custom made Forks.
  - Custom made Load Backrest.

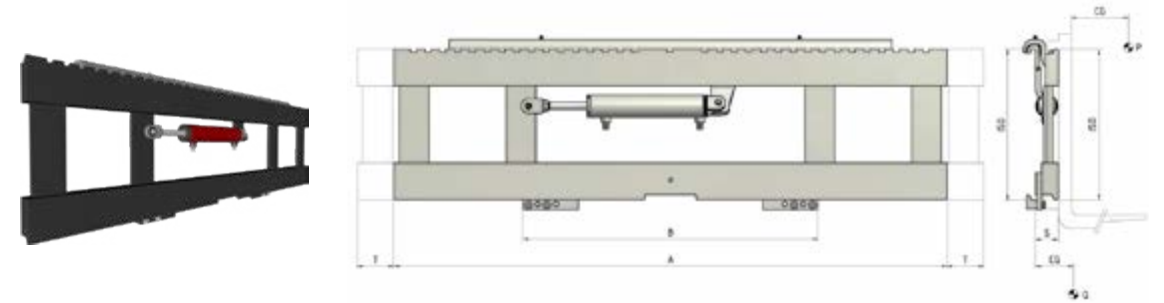
| Article     | Attachment Capacity | Load Centre of Gravity | ISO  | Carriage Width | Minimum Fork Carriage | Stroke | Thickness | Centre of Gravity | Weight | Price |
|-------------|---------------------|------------------------|------|----------------|-----------------------|--------|-----------|-------------------|--------|-------|
| Nº          | P (Kg)              | CC (mm)                | 2328 | A (mm)         | B (mm)                | T (mm) | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 03HLL3C3008 | 5000                | 500                    | 3    | 1150           | 1000                  | ± 100  | 75        | 40                | 103    | -     |
| 03HLL3C3010 | 5000                | 500                    | 3    | 1255           | 1100                  | ± 100  | 75        | 41                | 110    | -     |
| 03HLL3C3014 | 5000                | 500                    | 3    | 1350           | 1200                  | ± 100  | 75        | 42                | 118    | -     |
| 03HLL3C3018 | 5000                | 500                    | 3    | 1560           | 1540                  | ± 100  | 75        | 42                | 130    | -     |
| 03HLL3C3020 | 5000                | 500                    | 3    | 1660           | 1640                  | ± 100  | 75        | 43                | 137    | -     |

|  |             |    |
|--|-------------|----|
|  | ISO (L/min) | 3  |
|  | Shifting    | 15 |

Hydraulic Functions: 1  
Max working pressure: 200 Bar

Accessories page 19

108 Reinforced Hook on Sideshift



FEATURES

SPECIAL EQUIPMENT

- Reinforced model, installed on the original forklift plates, which can be even narrower than the Sideshift itself.
  - Sturdy and long lasting design.
  - Fast and accurate lifting and positioning of loads.
  - Lower risk of damage to goods and pallets.
- Special widths and/or strokes.
  - Custom made Forks.
  - Custom made Load Backrest.

| Article      | Attachment Capacity | Load Centre of Gravity | ISO  | Carriage Width | Minimum Fork Carriage | Stroke | Thickness | Centre of Gravity | Weight | Price |
|--------------|---------------------|------------------------|------|----------------|-----------------------|--------|-----------|-------------------|--------|-------|
| Nº           | P (Kg)              | CC (mm)                | 2328 | A (mm)         | B (mm)                | T (mm) | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 03GFA2C3014  | 2500                | 500                    | 2    | 1300           | 1000                  | ± 100  | 62        | 39                | 111    | -     |
| 03GFA2C3033  | 2500                | 500                    | 2    | 1400           | 1000                  | ± 100  | 62        | 39                | 118    | -     |
| 03GFA2C3016  | 2500                | 500                    | 2    | 1500           | 1000                  | ± 100  | 62        | 39                | 124    | -     |
| 03GLL3C3099  | 5000                | 500                    | 3    | 1400           | 1000                  | ± 100  | 80        | 44                | 185    | -     |
| 03GLL3C3011  | 5000                | 500                    | 3    | 1500           | 1000                  | ± 100  | 80        | 44                | 205    | -     |
| 03GLL3C3014  | 5000                | 500                    | 3    | 1660           | 1100                  | ± 100  | 80        | 45                | 222    | -     |
| 03GLL3C3042  | 5000                | 500                    | 3    | 1800           | 1255                  | ± 100  | 80        | 46                | 253    | -     |
| 03GKR4C3001  | 4500                | 600                    | 4    | 1190           | 1000                  | ± 100  | 95        | 43                | 182    | -     |
| 03GKR4C3002  | 4500                | 600                    | 4    | 1420           | 1200                  | ± 100  | 95        | 45                | 210    | -     |
| 03GR04C3067* | 8000                | 600                    | 4    | 1190           | 1100                  | ± 100  | 94        | 40                | 255    | -     |
| 03GR04C3001* | 8000                | 600                    | 4    | 1420           | 1300                  | ± 100  | 94        | 43                | 290    | -     |
| 03GR04C3005* | 8000                | 600                    | 4    | 1800           | 1500                  | ± 100  | 94        | 51                | 374    | -     |
| 03GR04C5005* | 8000                | 600                    | 4    | 1800           | 1600                  | ± 150  | 94        | 51                | 375    | -     |
| 03GR04C5006* | 8000                | 600                    | 4    | 2000           | 1700                  | ± 150  | 94        | 52                | 400    | -     |
| 03GR04C5009* | 8000                | 600                    | 4    | 2200           | 1700                  | ± 150  | 94        | 52                | 410    | -     |
| 03GR04C5052* | 8000                | 900                    | 4    | 2200           | 1800                  | ± 150  | 94        | 52                | 438    | -     |
| 03GR04C5050* | 8000                | 1100                   | 4    | 2400           | 2000                  | ± 150  | 94        | 53                | 472    | -     |

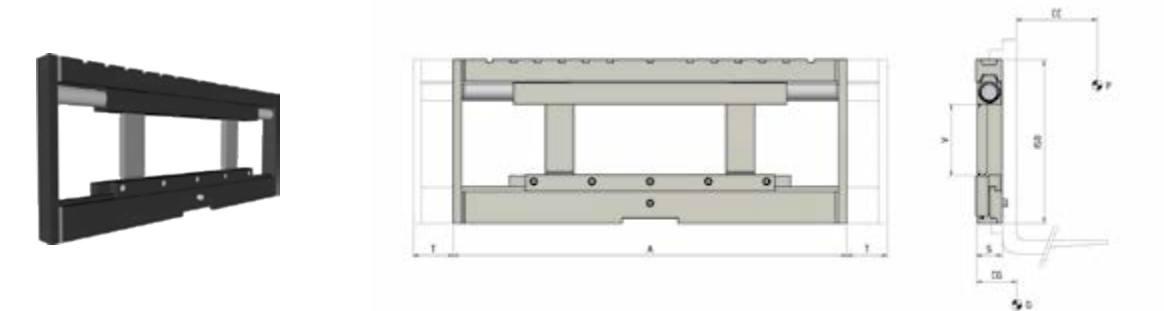
\* Reinforced model with lower rollers

| ISO (L/min) | 2  | 3  | 4  |
|-------------|----|----|----|
| Shifting    | 10 | 15 | 18 |

Hydraulic Functions: 1  
Max working pressure: 200 Bar

Accessories page 19

122 Integral Sideshift



FEATURES

SPECIAL EQUIPMENT

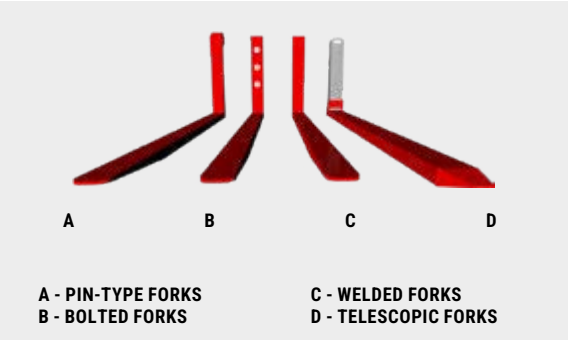
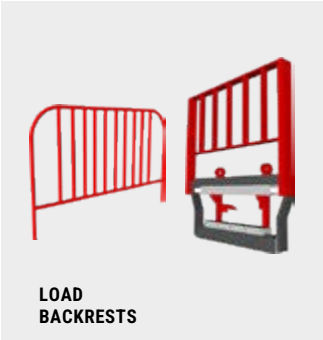
- Sturdy and long lasting design.
  - Transverse load displacement.
  - Fast and accurate lifting and positioning of loads.
  - Lower risk of damage to goods and pallets.
  - Easier manoeuvres, even in confined spaces.
- Special widths and/or strokes.
  - Custom made Forks.
  - Custom made Load Backrest.
  - Brackets (drawings must be sent to our technical office).

| Article     | Attachment Capacity | Load Centre of Gravity | ISO  | Carriage Width | Visibility | Stroke | Thickness | Centre of Gravity | Weight | Price |
|-------------|---------------------|------------------------|------|----------------|------------|--------|-----------|-------------------|--------|-------|
| Nº          | P (Kg)              | CC (mm)                | 2328 | A (mm)         | V (mm)     | T (mm) | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 03WFA2C3002 | 2500                | 500                    | 2    | 920            | 209        | ± 100  | 65        | 34                | 72     | -     |
| 03WFA2C3007 | 2500                | 500                    | 2    | 1020           | 209        | ± 100  | 65        | 34                | 80     | -     |
| 03WLL3C3002 | 5000                | 500                    | 3    | 1150           | 265        | ± 100  | 75        | 39                | 160    | -     |
| 03WLL3C3025 | 5000                | 500                    | 3    | 1350           | 265        | ± 100  | 75        | 39                | 172    | -     |
| 03TR04C3003 | 6000                | 600                    | 4    | 1800           | 202        | ± 100  | 100       | 62                | 405    | -     |
| 03TR04C3012 | 6000                | 600                    | 4    | 2000           | 202        | ± 100  | 100       | 62                | 450    | -     |
| 03TR04C5008 | 8000                | 600                    | 4    | 1800           | 202        | ± 150  | 100       | 62                | 495    | -     |
| 03TR04C5004 | 8000                | 600                    | 4    | 2000           | 202        | ± 150  | 100       | 62                | 570    | -     |

| ISO (L/min) | 2  | 3  | 4  |
|-------------|----|----|----|
| Shifting    | 10 | 15 | 18 |

Hydraulic Functions: 1  
Max working pressure: 200 Bar

Accessories page 19



| Accessories on request                                              | € |
|---------------------------------------------------------------------|---|
| Hoses and Fitting Kit (for each hydraulic function)                 | - |
| Hoses and quick-release Couplings Kit (for each hydraulic function) | - |
| Pressure Gauge                                                      | - |
| Bronze Wear Pads                                                    | - |
| Quick-release Hooks                                                 | - |
| Drilling for Load Backrest                                          | - |

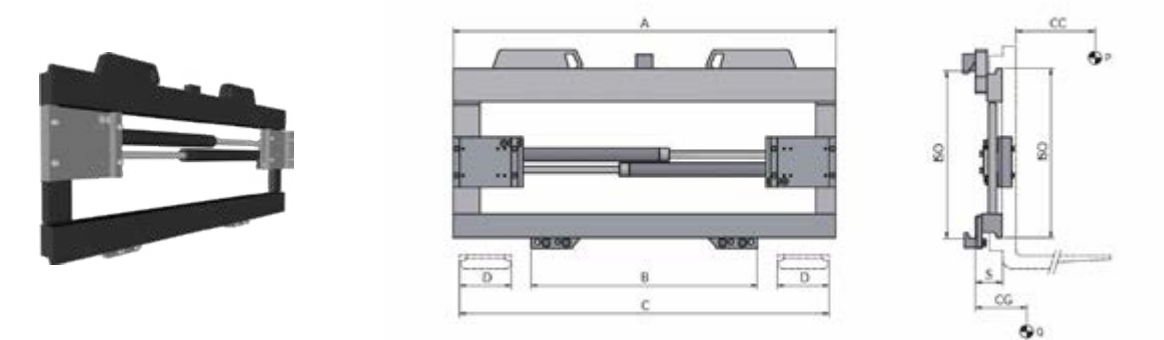


# 03

## FORK POSITIONERS

|                                                                                               |           |
|-----------------------------------------------------------------------------------------------|-----------|
| <b>575</b><br>Fork Positioner                                                                 | <b>22</b> |
| <b>577</b><br>Fork Positioner with Integral Sideshift                                         | <b>23</b> |
| <b>675</b><br>Fork Positioner                                                                 | <b>24</b> |
| <b>676</b><br>Fork Positioner with Integral Sideshift                                         | <b>25</b> |
| <b>598</b><br>Pin-Type Fork Positioner for ISO Forks with Integral Sideshift                  | <b>26</b> |
| <b>598 FS</b><br>Pin-Type Fork Positioner with Welded Forks and Integral Sideshift            | <b>27</b> |
| <b>599</b><br>Pin-Type Fork Positioner for ISO Forks                                          | <b>28</b> |
| <b>599 FS</b><br>Pin-Type Fork Positioner with Welded Forks                                   | <b>29</b> |
| <b>673 FS</b><br>Double Pin-Type Fork Positioner with Welded Forks                            | <b>30</b> |
| <b>673 FS SLS</b><br>Double Pin-Type Fork Positioner with Welded Forks and Integral Sideshift | <b>31</b> |
| <b>673</b><br>Double Pin-Type Fork Positioner for ISO Forks                                   | <b>32</b> |
| <b>673 SLS</b><br>Double Pin-Type Fork Positioner for ISO Forks with Integral Sideshift       | <b>33</b> |
| <b>883</b><br>Wide Opening Fork Positioner                                                    | <b>34</b> |
| <b>883 SLS</b><br>Wide Opening Fork Positioner with Integral Sideshift                        | <b>35</b> |
| <b>678</b><br>Integrated Fork Positioner with Integral Sideshift                              | <b>36</b> |
| Accessories                                                                                   | <b>37</b> |

575 Fork Positioner



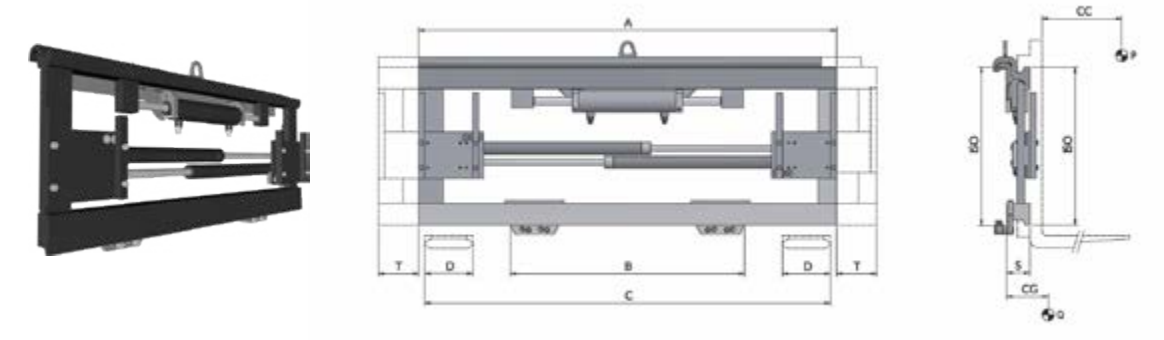
- FEATURES
- SPECIAL EQUIPMENT
- Moving housing Cylinders System (ATIB Material Handling Patent-ed) for a constant and synchronised movement of the forks.
  - Fast and accurate lifting and positioning of loads.
  - Pressure Relief Valve.
  - Recommended use of forks with max length 1500 mm.
  - Adjustable plates for use of forks with different sections.
  - Reduced damage to pallets and goods.
  - Easier manoeuvres even in narrow spaces.
- Special widths and/or openings.
  - Standard Forks.
  - Load Backrest.

| Article     | Attachment Capacity | Load Centre of Gravity | ISO  | Carriage Width | Minimum Fork Carriage | Opening Range |            | Fork Width | Thickness | Centre of Gravity | Weight | Price |
|-------------|---------------------|------------------------|------|----------------|-----------------------|---------------|------------|------------|-----------|-------------------|--------|-------|
| Nº          | P (Kg)              | CC (mm)                | 2328 | A (mm)         | B (mm)                | C Min (mm)    | C Max (mm) | D (mm)     | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 18LFA2C0021 | 2500                | 500                    | 2    | 970            | 720                   | 340           | 920        | 130        | 70        | 37                | 88     | -     |
| 18LFA2C0022 | 2500                | 500                    | 2    | 1040           | 720                   | 340           | 990        | 130        | 70        | 38                | 93     | -     |
| 18LFA2C0023 | 2500                | 500                    | 2    | 1150           | 720                   | 340           | 1100       | 130        | 70        | 40                | 99     | -     |
| 18LLL3C0011 | 5000                | 500                    | 3    | 1150           | 860                   | 380           | 1100       | 150        | 80        | 44                | 141    | -     |
| 18LLL3C0013 | 5000                | 500                    | 3    | 1250           | 860                   | 380           | 1200       | 150        | 80        | 45                | 150    | -     |
| 18LLL3C0014 | 5000                | 500                    | 3    | 1350           | 860                   | 380           | 1300       | 150        | 80        | 46                | 160    | -     |

| ISO (L/min)     | 2 | 3 |
|-----------------|---|---|
| Opening/Closing | 5 | 5 |

Hydraulic Functions: 1  
Max working pressure: 110 Bar

577 Fork Positioner with Integral Sideshift



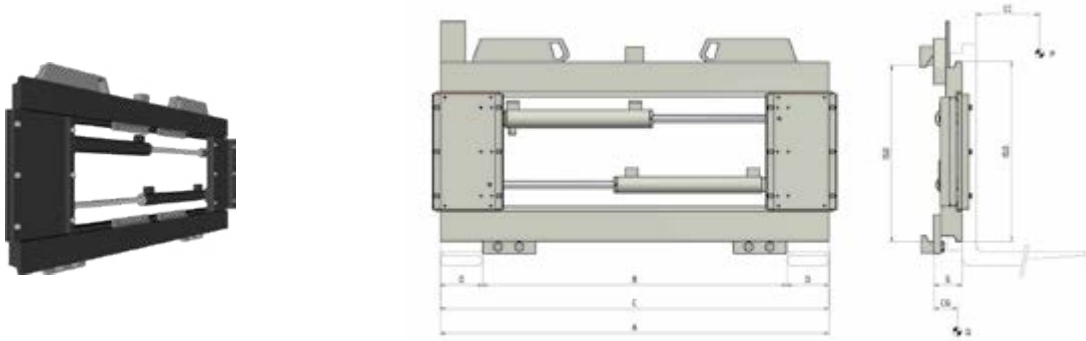
- FEATURES
- SPECIAL EQUIPMENT
- Moving housing Cylinders System (ATIB Material Handling Patent-ed) for a constant and synchronised movement of the forks.
  - Fast and accurate lifting and positioning of loads.
  - Pressure Relief Valve.
  - Recommended use of forks with max length 1500 mm.
  - Adjustable plates for use of forks with different sections.
  - Reduced damage to pallets and goods.
  - Easier manoeuvres even in narrow spaces.
- Special widths and/or openings.
  - Standard Forks.
  - Load Backrest.

| Article     | Attachment Capacity | Load Centre Of Gravity | ISO  | Carriage Width | Minimum Fork Carriage | Opening Range |            | Fork Width | Stroke | Thickness | Centre Of Gravity | Weight | Price |
|-------------|---------------------|------------------------|------|----------------|-----------------------|---------------|------------|------------|--------|-----------|-------------------|--------|-------|
| Nº          | P (Kg)              | CC (mm)                | 2328 | A (mm)         | B (mm)                | C Min (mm)    | C Max (mm) | D (mm)     | T (mm) | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 18PFA2C2014 | 2500                | 500                    | 2    | 970            | 920                   | 340           | 920        | 130        | ± 100  | 62        | 30                | 80     | -     |
| 18PFA2C2013 | 2500                | 500                    | 2    | 1040           | 920                   | 340           | 990        | 130        | ± 100  | 62        | 32                | 85     | -     |
| 18PFA2C2015 | 2500                | 500                    | 2    | 1150           | 920                   | 340           | 1100       | 130        | ± 100  | 62        | 34                | 90     | -     |
| 18PLL3C2010 | 5000                | 500                    | 3    | 1150           | 1060                  | 380           | 1100       | 150        | ± 100  | 75        | 40                | 130    | -     |
| 18PLL3C2015 | 5000                | 500                    | 3    | 1250           | 1060                  | 380           | 1200       | 150        | ± 100  | 75        | 41                | 140    | -     |
| 18PLL3C2016 | 5000                | 500                    | 3    | 1350           | 1150                  | 380           | 1300       | 150        | ± 100  | 75        | 42                | 150    | -     |

| ISO (L/min)     | 2  | 3  |
|-----------------|----|----|
| Shifting        | 10 | 10 |
| Opening/Closing | 5  | 5  |

Hydraulic Functions: 2  
Max working pressure: 110 Bar

675 Fork Positioner



- FEATURES
- Differentiated Cylinders for a constant and synchronised movement of the forks.
  - Fast and accurate lifting and positioning of loads.
  - Pressure Relief Valve.
  - Recommended use of forks with max length 1500 mm.
  - Adjustable plates for use of forks with different sections.
  - Reduced damage to pallets and goods.
  - Easier manoeuvres even in narrow spaces.
- SPECIAL EQUIPMENT
- Special widths and/or openings.
  - Standard Forks.
  - Load Backrest.

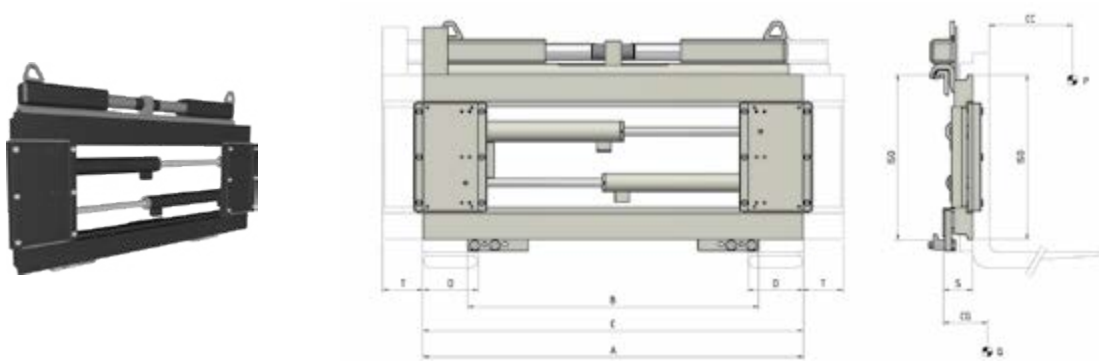
| Article     | Attachment Capacity | Load Centre of Gravity | ISO  | Carriage Width | Minimum Fork Carriage | Opening Range |            | Fork Width | Thickness | Centre of Gravity | Weight | Price |
|-------------|---------------------|------------------------|------|----------------|-----------------------|---------------|------------|------------|-----------|-------------------|--------|-------|
| Nº          | P (Kg)              | CC (mm)                | 2328 | A (mm)         | B (mm)                | C Min (mm)    | C Max (mm) | D (mm)     | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 17SLL3C0004 | 5000                | 500                    | 3    | 1500           | 880                   | 430           | 1500       | 150        | 80        | 46                | 171    | -     |
| 17SLL3C0005 | 5000                | 500                    | 3    | 1560           | 950                   | 430           | 1560       | 150        | 80        | 46                | 174    | -     |
| 17SLL3C0006 | 5000                | 500                    | 3    | 1660           | 1050                  | 430           | 1660       | 150        | 80        | 46                | 180    | -     |
| 17SR04C0001 | 8000                | 600                    | 4    | 1420           | 1200                  | 560           | 1420       | 200        | 94        | 49                | 280    | -     |
| 17SR04C0005 | 8000                | 600                    | 4    | 1600           | 1440                  | 560           | 1600       | 200        | 94        | 50                | 339    | -     |
| 17SR04C0003 | 8000                | 600                    | 4    | 1800           | 1500                  | 560           | 1800       | 200        | 94        | 50                | 350    | -     |
| 17SR04C0004 | 8000                | 600                    | 4    | 2000           | 1500                  | 560           | 2000       | 200        | 94        | 50                | 375    | -     |

| ISO (L/min)     | 3  | 4  |
|-----------------|----|----|
| Opening/Closing | 20 | 45 |

Hydraulic Functions: 1  
Max working pressure: 80 Bar

Accessories page 37

676 Fork Positioner with Integral Sideshift



- FEATURES
- Differentiated Cylinders for a constant and synchronised movement of the forks.
  - Fast and accurate lifting and positioning of loads.
  - Pressure Relief Valve.
  - Recommended use of forks with max length 1500 mm.
  - Adjustable plates for use of forks with different sections.
  - Reduced damage to pallets and goods.
  - Easier manoeuvres even in narrow spaces.
- SPECIAL EQUIPMENT
- Special widths and/or openings.
  - Standard Forks.
  - Load Backrest.

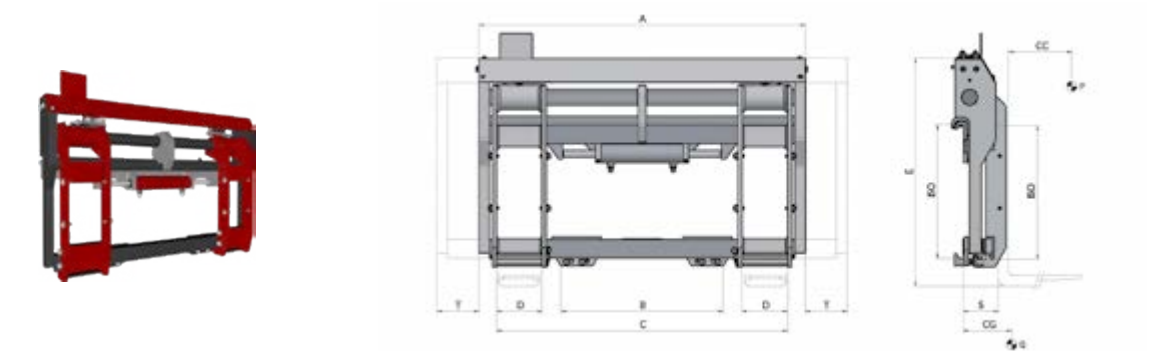
| Article     | Attachment Capacity | Load Centre of Gravity | ISO  | Carriage Width | Minimum Fork Carriage | Opening Range |            | Fork Width | Stroke | Thickness | Centre of Gravity | Weight | Price |
|-------------|---------------------|------------------------|------|----------------|-----------------------|---------------|------------|------------|--------|-----------|-------------------|--------|-------|
| Nº          | P (Kg)              | CC (mm)                | 2328 | A (mm)         | B (mm)                | C Min (mm)    | C Max (mm) | D (mm)     | T (mm) | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 17TLL3C2004 | 5000                | 500                    | 3    | 1500           | 1080                  | 430           | 1500       | 150        | ± 100  | 80        | 46                | 202    | -     |
| 17TLL3C2005 | 5000                | 500                    | 3    | 1560           | 1150                  | 430           | 1560       | 150        | ± 100  | 80        | 46                | 205    | -     |
| 17TLL3C2006 | 5000                | 500                    | 3    | 1660           | 1250                  | 430           | 1660       | 150        | ± 100  | 80        | 46                | 210    | -     |
| 17TR04C2009 | 8000                | 600                    | 4    | 1420           | 1200                  | 560           | 1420       | 200        | ± 100  | 94        | 49                | 313    | -     |
| 17TR04C2013 | 8000                | 600                    | 4    | 1600           | 1300                  | 560           | 1600       | 200        | ± 100  | 94        | 50                | 374    | -     |
| 17TR04C2011 | 8000                | 600                    | 4    | 1800           | 1600                  | 560           | 1800       | 200        | ± 100  | 94        | 50                | 383    | -     |
| 17TR04C2012 | 8000                | 600                    | 4    | 2000           | 1700                  | 560           | 2000       | 200        | ± 150  | 94        | 50                | 409    | -     |

| ISO (L/min)     | 3  | 4  |
|-----------------|----|----|
| Shifting        | 15 | 18 |
| Opening/Closing | 20 | 45 |

Hydraulic Functions: 2  
Max working pressure: 80 Bar

Accessories page 37

598 Pin-Type Fork Positioner for ISO Forks with Integral Sideshift



FEATURES

SPECIAL EQUIPMENT

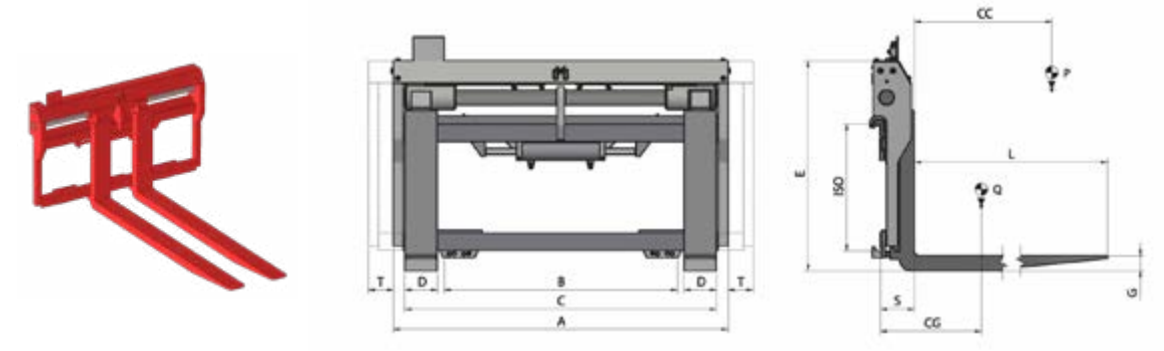
- Differentiated Cylinders for a constant and synchronised movement of the forks.
  - Sliding on the pin for particularly demanding use.
  - Adjustable plates for use of forks with different sections.
  - Pressure Relief Valve.
- Special widths and/or openings.
  - Standard or telescopic Forks.
  - Load Backrest.
  - Check valve for barrel grabbing.

| Article     | Attachment Capacity | Load Centre of Gravity | ISO  | Carriage Width | Minimum Fork Carriage | Opening Range |            | Pocket Width | Height | Stroke | Thickness | Centre of Gravity | Weight | Price |
|-------------|---------------------|------------------------|------|----------------|-----------------------|---------------|------------|--------------|--------|--------|-----------|-------------------|--------|-------|
| Nº          | P (Kg)              | CC (mm)                | 2328 | A (mm)         | B (mm)                | C Min (mm)    | C Max (mm) | D (mm)       | E (mm) | T (mm) | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 18WFA2C2003 | 2500                | 500                    | 2    | 980            | 800                   | 365           | 875        | 145          | 730    | ± 100  | 102       | 42                | 141    | -     |
| 18WFA2C2001 | 2500                | 500                    | 2    | 1040           | 860                   | 365           | 935        | 145          | 730    | ± 100  | 102       | 42                | 146    | -     |
| 18WFA2C2007 | 2500                | 500                    | 2    | 1150           | 970                   | 365           | 1045       | 145          | 730    | ± 100  | 102       | 41                | 153    | -     |
| 18WFA2C2004 | 2500                | 500                    | 2    | 1300           | 1120                  | 365           | 1195       | 145          | 730    | ± 100  | 102       | 40                | 162    | -     |
| 18WFA2C2008 | 2500                | 500                    | 2    | 1400           | 1220                  | 365           | 1295       | 145          | 730    | ± 100  | 102       | 39                | 169    | -     |
| 18WH23C2001 | 3000                | 500                    | 3    | 1150           | 970                   | 425           | 1045       | 175          | 840    | ± 100  | 120       | 49                | 214    | -     |
| 18WH23C2002 | 3000                | 500                    | 3    | 1250           | 1070                  | 425           | 1145       | 175          | 840    | ± 100  | 120       | 48                | 222    | -     |
| 18WH23C2003 | 3000                | 500                    | 3    | 1350           | 1170                  | 425           | 1245       | 175          | 840    | ± 100  | 120       | 47                | 230    | -     |
| 18WLL3C2005 | 5000                | 500                    | 3    | 1250           | 1070                  | 435           | 1115       | 175          | 840    | ± 100  | 120       | 48                | 241    | -     |
| 18WLL3C2004 | 5000                | 500                    | 3    | 1350           | 1170                  | 435           | 1215       | 175          | 840    | ± 100  | 120       | 47                | 253    | -     |
| 18WLL3C2010 | 5000                | 500                    | 3    | 1550           | 1370                  | 435           | 1415       | 175          | 840    | ± 100  | 120       | 46                | 267    | -     |
| 18WLL3C2009 | 5000                | 500                    | 3    | 1660           | 1480                  | 435           | 1525       | 175          | 840    | ± 100  | 120       | 45                | 275    | -     |
| 18WLM4C2001 | 5000                | 600                    | 4    | 1350           | 1170                  | 480           | 1250       | 210          | 1060   | ± 100  | 145       | 61                | 360    | -     |
| 18WLM4C2002 | 5000                | 600                    | 4    | 1550           | 1190                  | 480           | 1450       | 210          | 1060   | ± 100  | 145       | 60                | 383    | -     |
| 18WLM4C2003 | 5000                | 600                    | 4    | 1660           | 1190                  | 480           | 1560       | 210          | 1060   | ± 100  | 145       | 59                | 395    | -     |
| 18WLM4C2004 | 5000                | 600                    | 4    | 1800           | 1250                  | 480           | 1700       | 210          | 1060   | ± 100  | 145       | 58                | 420    | -     |

| ISO (L/min)     | 2  | 3  | 4  |
|-----------------|----|----|----|
| Shifting        | 15 | 15 | 18 |
| Opening/Closing | 15 | 20 | 45 |

Hydraulic Functions: 2  
Max working pressure: 110 Bar

598 FS Pin-Type Fork Positioner with Welded Forks and Integral Sideshift



FEATURES

SPECIAL EQUIPMENT

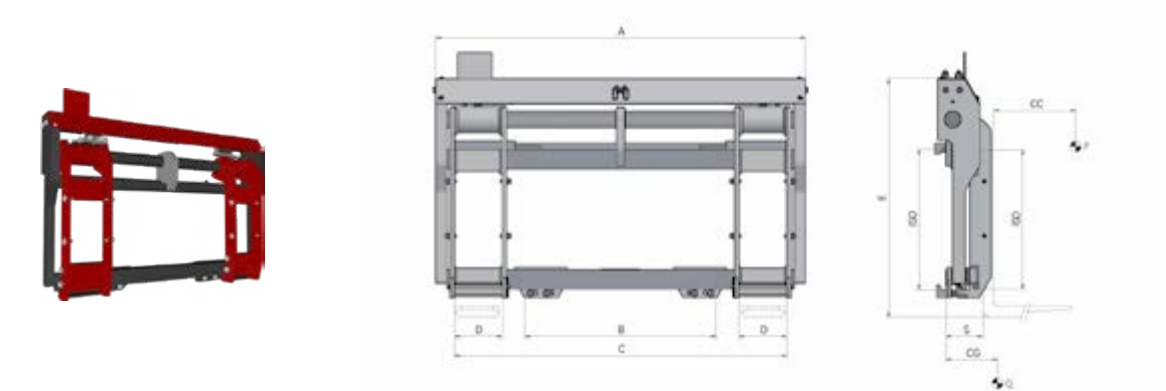
- Differentiated Cylinders for a constant and synchronised movement of the forks.
  - Sliding on the pin for particularly demanding use.
  - Pressure Relief Valve.
- Special widths and/or openings.
  - Custom made Forks.
  - Load Backrest.
  - Check valve for barrel grabbing.

| Article     | Attachment Capacity | Load Centre of Gravity | ISO  | Carriage Width | Minimum Fork Carriage | Opening Range |            | Forks       | Height | Stroke | Thickness | Centre of Gravity | Weight | Price |
|-------------|---------------------|------------------------|------|----------------|-----------------------|---------------|------------|-------------|--------|--------|-----------|-------------------|--------|-------|
| Nº          | P (Kg)              | CC (mm)                | 2328 | A (mm)         | B (mm)                | C Min (mm)    | C Max (mm) | DxGxL (mm)  | E (mm) | T (mm) | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 18UFA2A2009 | 2500                | 500                    | 2a   | 980            | 800                   | 395           | 905        | 120x40x1200 | 730    | ± 100  | 104       | 223               | 238    | -     |
| 18UFA2A2003 | 2500                | 500                    | 2a   | 1040           | 860                   | 395           | 965        | 120x40x1200 | 730    | ± 100  | 104       | 220               | 242    | -     |
| 18UFA2A2013 | 2500                | 500                    | 2a   | 1150           | 970                   | 395           | 1075       | 120x40x1200 | 730    | ± 100  | 104       | 215               | 248    | -     |
| 18UH23A2001 | 3000                | 500                    | 3a   | 1150           | 970                   | 465           | 1085       | 120x45x1200 | 840    | ± 100  | 122       | 203               | 323    | -     |
| 18ULL3A2003 | 5000                | 500                    | 3a   | 1250           | 1070                  | 475           | 1155       | 150x50x1200 | 840    | ± 100  | 127       | 222               | 409    | -     |
| 18ULL3A2004 | 5000                | 500                    | 3a   | 1350           | 1170                  | 475           | 1255       | 150x50x1200 | 840    | ± 100  | 127       | 220               | 413    | -     |
| 18ULL3A2017 | 5000                | 500                    | 3a   | 1550           | 1370                  | 475           | 1455       | 150x50x1200 | 840    | ± 100  | 127       | 210               | 437    | -     |

| ISO (L/min)     | 2  | 3  |
|-----------------|----|----|
| Shifting        | 15 | 15 |
| Opening/Closing | 15 | 20 |

Hydraulic Functions: 2  
Max working pressure: 110 Bar

599 Pin-Type Fork Positioner for ISO Forks



FEATURES

SPECIAL EQUIPMENT

- Differentiated Cylinders for a constant and synchronised movement of the forks.
  - Sliding on the pin for particularly demanding use.
  - Adjustable plates for use of forks with different sections.
  - Pressure Relief Valve.
- Special widths and/or openings.
  - Standard or telescopic Forks.
  - Load Backrest.
  - Check valve for barrel grabbing.

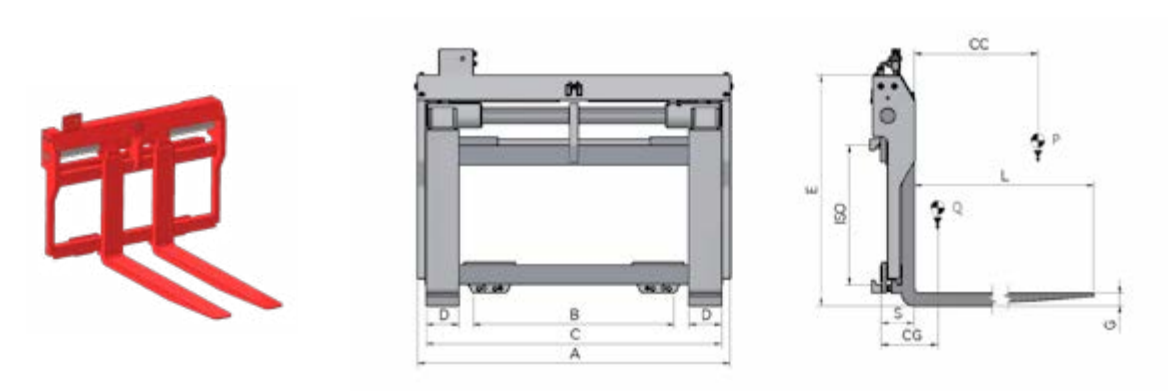
| Article     | Attachment Capacity | Load Centre of Gravity | ISO  | Carriage Width | Minimum Fork Carriage | Opening Range |            | Pocket Width | Height | Thickness | Centre of Gravity | Weight | Price |
|-------------|---------------------|------------------------|------|----------------|-----------------------|---------------|------------|--------------|--------|-----------|-------------------|--------|-------|
| Nº          | P (Kg)              | CC (mm)                | 2328 | A (mm)         | B (mm)                | C Min (mm)    | C Max (mm) | D (mm)       | E (mm) | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 18XFA2C0001 | 2500                | 500                    | 2    | 980            | 730                   | 365           | 875        | 145          | 730    | 102       | 40                | 149    | -     |
| 18XFA2C0003 | 2500                | 500                    | 2    | 1040           | 730                   | 365           | 935        | 145          | 730    | 102       | 40                | 153    | -     |
| 18XFA2C0004 | 2500                | 500                    | 2    | 1150           | 730                   | 365           | 1045       | 145          | 730    | 102       | 39                | 160    | -     |
| 18XFA2C0005 | 2500                | 500                    | 2    | 1300           | 880                   | 365           | 1195       | 145          | 730    | 102       | 38                | 169    | -     |
| 18XFA2C0006 | 2500                | 500                    | 2    | 1400           | 980                   | 365           | 1295       | 145          | 730    | 102       | 37                | 176    | -     |
| 18XH23C0001 | 3000                | 500                    | 3    | 1150           | 980                   | 425           | 1045       | 175          | 845    | 120       | 50                | 211    | -     |
| 18XH23C0003 | 3000                | 500                    | 3    | 1250           | 980                   | 425           | 1145       | 175          | 845    | 120       | 49                | 220    | -     |
| 18XH23C0004 | 3000                | 500                    | 3    | 1350           | 980                   | 425           | 1245       | 175          | 845    | 120       | 48                | 229    | -     |
| 18XLL3C0001 | 5000                | 500                    | 3    | 1250           | 980                   | 435           | 1115       | 175          | 835    | 120       | 50                | 235    | -     |
| 18XLL3C0002 | 5000                | 500                    | 3    | 1350           | 980                   | 435           | 1215       | 175          | 835    | 120       | 49                | 245    | -     |
| 18XLL3C0004 | 5000                | 500                    | 3    | 1550           | 980                   | 435           | 1415       | 175          | 835    | 120       | 48                | 265    | -     |
| 18XLL3C0005 | 5000                | 500                    | 3    | 1660           | 1210                  | 435           | 1525       | 175          | 835    | 120       | 47                | 275    | -     |
| 18XLM4C0001 | 5000                | 600                    | 4    | 1350           | 970                   | 480           | 1250       | 210          | 1060   | 140       | 57                | 353    | -     |
| 18XLM4C0002 | 5000                | 600                    | 4    | 1550           | 1170                  | 480           | 1450       | 210          | 1060   | 140       | 55                | 382    | -     |
| 18XLM4C0003 | 5000                | 600                    | 4    | 1660           | 1280                  | 480           | 1560       | 210          | 1060   | 140       | 54                | 397    | -     |
| 18XLM4C0004 | 5000                | 600                    | 4    | 1800           | 1460                  | 480           | 1700       | 210          | 1060   | 140       | 53                | 412    | -     |

| ISO (L/min)     | 2  | 3  | 4  |
|-----------------|----|----|----|
| Opening/Closing | 15 | 20 | 45 |

Hydraulic Functions: 1  
Max working pressure: 110 Bar

Accessories page 37

599 FS Pin-Type Fork Positioner with Welded Forks



FEATURES

SPECIAL EQUIPMENT

- Differentiated Cylinders for a constant and synchronised movement of the forks.
  - Sliding on the pin for particularly demanding use.
  - Pressure Relief Valve.
- Special widths and/or openings.
  - Custom made Forks.
  - Load Backrest.
  - Check valve for barrel grabbing.

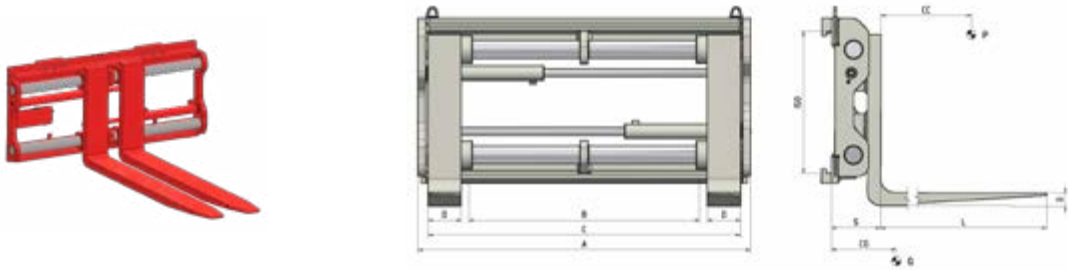
| Article     | Attachment Capacity | Load Centre of Gravity | ISO  | Carriage Width | Minimum Fork Carriage | Opening Range |            | Forks       | Height | Thickness | Centre of Gravity | Weight | Price |
|-------------|---------------------|------------------------|------|----------------|-----------------------|---------------|------------|-------------|--------|-----------|-------------------|--------|-------|
| Nº          | P (Kg)              | CC (mm)                | 2328 | A (mm)         | B (mm)                | C Min (mm)    | C Max (mm) | DxGxL (mm)  | E (mm) | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 18VFA2A0005 | 2500                | 500                    | 2a   | 980            | 800                   | 395           | 905        | 120X40X1200 | 730    | 104       | 223               | 243    | -     |
| 18VFA2A0001 | 2500                | 500                    | 2a   | 1040           | 860                   | 395           | 965        | 120X40X1200 | 730    | 104       | 220               | 247    | -     |
| 18VFA2A0011 | 2500                | 500                    | 2a   | 1150           | 970                   | 395           | 1075       | 120X40X1200 | 730    | 104       | 215               | 254    | -     |
| 18VH23A0002 | 3000                | 500                    | 3a   | 1150           | 970                   | 465           | 1085       | 120X45X1200 | 840    | 122       | 208               | 319    | -     |
| 18VLL3A0004 | 5000                | 500                    | 3a   | 1250           | 1070                  | 475           | 1155       | 150X50X1200 | 840    | 127       | 233               | 401    | -     |
| 18VLL3A0005 | 5000                | 500                    | 3a   | 1350           | 1170                  | 475           | 1255       | 150X50X1200 | 840    | 127       | 230               | 410    | -     |
| 18VLL3A0006 | 5000                | 500                    | 3a   | 1550           | 1370                  | 475           | 1455       | 150X50X1200 | 840    | 127       | 222               | 427    | -     |

| ISO (L/min)     | 2  | 3  |
|-----------------|----|----|
| Opening/Closing | 15 | 20 |

Hydraulic Functions: 1  
Max working pressure: 110 Bar

Accessories page 37

673 FS Double Pin-Type Fork Positioner with Welded Forks



FEATURES

- Flow divider for a constant and synchronised movement of the forks.
- For particularly demanding use.
- Pressure Relief Valve.

SPECIAL EQUIPMENT

- Special widths and/or openings.
- Custom made Forks.
- Load Backrest.
- Check valve for barrel grabbing.

| Article     | Attachment Capacity | Load Centre of Gravity | ISO  | Carriage Width | Minimum Fork Carriage | Opening Range |            | Forks       | Thickness | Centre of Gravity | Weight | Price |
|-------------|---------------------|------------------------|------|----------------|-----------------------|---------------|------------|-------------|-----------|-------------------|--------|-------|
| Nº          | P (Kg)              | CC (mm)                | 2328 | A (mm)         | B (mm)                | C Min (mm)    | C Max (mm) | DxGxL (mm)  | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 18YFA2A0001 | 2500                | 500                    | 2a   | 980            | 750                   | 360           | 930        | 120x40x1200 | 160       | 242               | 235    | -     |
| 18YFA2A0002 | 2500                | 500                    | 2a   | 1040           | 750                   | 360           | 990        | 120x40x1200 | 160       | 241               | 245    | -     |
| 18YFA2A0003 | 2500                | 500                    | 2a   | 1100           | 750                   | 360           | 1050       | 120x40x1200 | 160       | 239               | 255    | -     |
| 18YFA2A0004 | 2500                | 500                    | 2a   | 1150           | 750                   | 360           | 1100       | 120x40x1200 | 160       | 237               | 265    | -     |
| 18YLL3A0001 | 5000                | 500                    | 3a   | 1150           | 880                   | 400           | 1080       | 150x50x1200 | 192       | 262               | 425    | -     |
| 18YLL3A0002 | 5000                | 500                    | 3a   | 1250           | 880                   | 400           | 1180       | 150x50x1200 | 192       | 255               | 440    | -     |
| 18YLL3A0003 | 5000                | 500                    | 3a   | 1350           | 1000                  | 400           | 1280       | 150x50x1200 | 192       | 251               | 455    | -     |
| 18YLL3A0004 | 5000                | 500                    | 3a   | 1560           | 1210                  | 400           | 1490       | 150x50x1200 | 192       | 239               | 480    | -     |
| 18YLL3A0005 | 5000                | 500                    | 3a   | 1660           | 1210                  | 400           | 1590       | 150x50x1200 | 192       | 234               | 500    | -     |
| 18YLM4A0004 | 5000                | 600                    | 4a   | 1200           | 900                   | 550           | 1110       | 150x60x1200 | 222       | 222               | 565    | -     |
| 18YLM4A0005 | 5000                | 600                    | 4a   | 1400           | 1100                  | 550           | 1310       | 150x60x1200 | 222       | 220               | 620    | -     |
| 18YR04A0001 | 8000                | 600                    | 4a   | 1740           | 1450                  | 550           | 1650       | 200x60x1200 | 220       | 227               | 750    | -     |
| 18YR04A0002 | 8000                | 600                    | 4a   | 1800           | 1500                  | 550           | 1710       | 200x60x1200 | 220       | 225               | 760    | -     |
| 18YR04A0003 | 8000                | 600                    | 4a   | 2000           | 1700                  | 550           | 1910       | 200x60x1200 | 220       | 219               | 800    | -     |
| 18YR14A0001 | 8000                | 900                    | 4a*  | 2200           | 2070                  | 550           | 2110       | 200x70x1200 | 231       | 265               | 880    | -     |
| 18YR14A0002 | 8000                | 900                    | 4a*  | 2400           | 2070                  | 550           | 2310       | 200x70x1200 | 231       | 245               | 900    | -     |

Accessories on request

SLI - Sideshifting Valve (requires an additional hydraulic function)

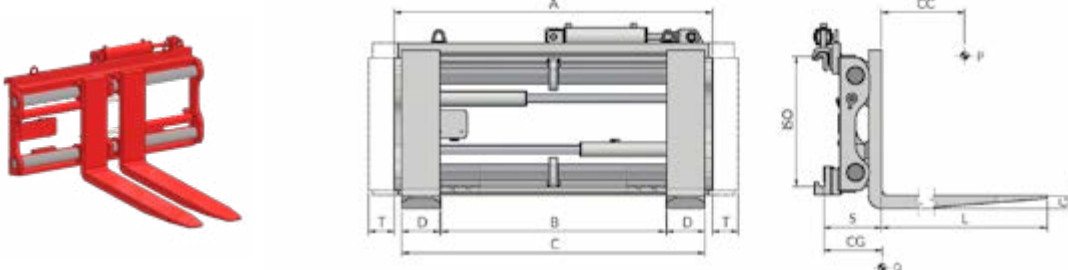
Bolt-on Forks

| ISO (L/min)     | 2  | 3  | 4      |
|-----------------|----|----|--------|
| Opening/Closing | 15 | 20 | 40/45* |

Hydraulic Functions: 1  
Max working pressure: 80 Bar

Accessories page 37

673 FS SLS Double Pin-Type Fork Positioner with Welded Forks and Integral Sideshift



FEATURES

- Flow divider for a constant and synchronised movement of the forks.
- For particularly demanding use.
- Pressure Relief Valve.

SPECIAL EQUIPMENT

- Special widths and/or openings.
- Custom made Forks.
- Load Backrest.
- Check valve for barrel grabbing.

| Article     | Attachment Capacity | Load Centre of Gravity | ISO  | Carriage Width | Minimum Fork Carriage | Opening Range |            | Forks       | Stroke | Thickness | Centre of Gravity | Weight | Price |
|-------------|---------------------|------------------------|------|----------------|-----------------------|---------------|------------|-------------|--------|-----------|-------------------|--------|-------|
| Nº          | P (Kg)              | CC (mm)                | 2328 | A (mm)         | B (mm)                | C Min (mm)    | C Max (mm) | DxGxL (mm)  | T (mm) | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 18YFA2A2001 | 2500                | 500                    | 2    | 980            | 950                   | 360           | 930        | 120x40x1200 | ± 100  | 188       | 247               | 270    | -     |
| 18YFA2A2002 | 2500                | 500                    | 2    | 1040           | 950                   | 360           | 990        | 120x40x1200 | ± 100  | 188       | 246               | 280    | -     |
| 18YFA2A2003 | 2500                | 500                    | 2    | 1100           | 950                   | 360           | 1050       | 120x40x1200 | ± 100  | 188       | 244               | 290    | -     |
| 18YFA2A2004 | 2500                | 500                    | 2    | 1150           | 950                   | 360           | 1100       | 120x40x1200 | ± 100  | 188       | 241               | 300    | -     |
| 18YLL3A2001 | 5000                | 500                    | 3    | 1150           | 950                   | 400           | 1080       | 150x50x1200 | ± 100  | 227       | 265               | 460    | -     |
| 18YLL3A2002 | 5000                | 500                    | 3    | 1250           | 1080                  | 400           | 1180       | 150x50x1200 | ± 100  | 227       | 260               | 475    | -     |
| 18YLL3A2003 | 5000                | 500                    | 3    | 1350           | 1050                  | 400           | 1280       | 150x50x1200 | ± 100  | 227       | 254               | 490    | -     |
| 18YLL3A2004 | 5000                | 500                    | 3    | 1560           | 1300                  | 400           | 1490       | 150x50x1200 | ± 100  | 227       | 244               | 520    | -     |
| 18YLL3A2005 | 5000                | 500                    | 3    | 1660           | 1300                  | 400           | 1590       | 150x50x1200 | ± 100  | 227       | 239               | 535    | -     |
| 18YLM4A2004 | 5000                | 600                    | 4    | 1200           | 1100                  | 550           | 1110       | 150x60x1200 | ± 100  | 255       | 240               | 620    | -     |
| 18YLM4A2005 | 5000                | 600                    | 4    | 1400           | 1100                  | 550           | 1310       | 150x60x1200 | ± 100  | 255       | 232               | 660    | -     |
| 18YR04A2001 | 8000                | 600                    | 4    | 1740           | 1130                  | 550           | 1650       | 200x60x1200 | ± 150  | 253       | 239               | 795    | -     |
| 18YR04A2002 | 8000                | 600                    | 4    | 1800           | 1190                  | 550           | 1710       | 200x60x1200 | ± 150  | 253       | 237               | 805    | -     |
| 18YR04A2003 | 8000                | 600                    | 4    | 2000           | 1400                  | 550           | 1910       | 200x60x1200 | ± 150  | 253       | 231               | 845    | -     |
| 18YR14A2001 | 8000                | 900                    | 4*   | 2200           | 2180                  | 550           | 2110       | 200x70x1200 | ± 150  | 264       | 277               | 930    | -     |
| 18YR14A2002 | 8000                | 900                    | 4*   | 2400           | 2180                  | 550           | 2310       | 200x70x1200 | ± 150  | 264       | 265               | 950    | -     |

Accessories on request

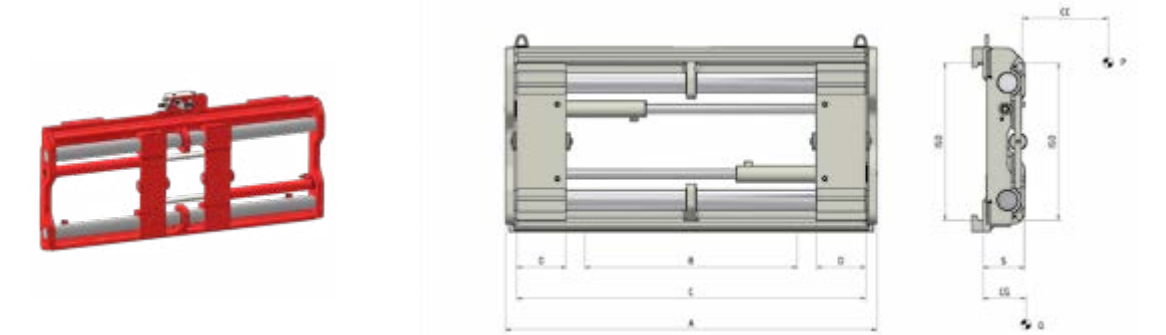
Bolt-on Forks

| ISO (L/min)     | 2  | 3  | 4      |
|-----------------|----|----|--------|
| Shifting        | 10 | 15 | 18     |
| Opening/Closing | 15 | 20 | 40/45* |

Hydraulic Functions: 2  
Max working pressure: 80 Bar

Accessories page 37

673 Double Pin-Type Fork Positioner for ISO Forks



FEATURES

- Flow divider for a constant and synchronised movement of the forks.
- For particularly demanding use.
- Adjustable plates for use of forks with different sections.
- Pressure Relief Valve.

SPECIAL EQUIPMENT

- Special widths and/or openings.
- Standard or telescopic Forks.
- Load Backrest.
- Check valve for barrel grabbing.

| Article     | Attachment Capacity | Load Centre of Gravity | ISO  | Carriage Width | Minimum Fork Carriage | Opening Range |            | Fork Width | Thickness | Centre of Gravity | Weight | Price |
|-------------|---------------------|------------------------|------|----------------|-----------------------|---------------|------------|------------|-----------|-------------------|--------|-------|
| Nº          | P (Kg)              | CC (mm)                | 2328 | A (mm)         | B (mm)                | C Min (mm)    | C Max (mm) | D (mm)     | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 18ZFA2C0001 | 2500                | 500                    | 2a   | 980            | 750                   | 360           | 930        | 130        | 120       | 56                | 145    | -     |
| 18ZFA2C0002 | 2500                | 500                    | 2a   | 1040           | 750                   | 360           | 990        | 130        | 120       | 56                | 155    | -     |
| 18ZFA2C0003 | 2500                | 500                    | 2a   | 1100           | 750                   | 360           | 1050       | 130        | 120       | 55                | 165    | -     |
| 18ZFA2C0004 | 2500                | 500                    | 2a   | 1150           | 750                   | 360           | 1100       | 130        | 120       | 55                | 175    | -     |
| 18ZLL3C0003 | 5000                | 500                    | 3a   | 1150           | 880                   | 400           | 1080       | 150        | 148       | 71                | 245    | -     |
| 18ZLL3C0001 | 5000                | 500                    | 3a   | 1250           | 880                   | 400           | 1180       | 150        | 148       | 66                | 260    | -     |
| 18ZLL3C0004 | 5000                | 500                    | 3a   | 1350           | 1000                  | 400           | 1280       | 150        | 148       | 64                | 290    | -     |
| 18ZLL3C0002 | 5000                | 500                    | 3a   | 1560           | 1210                  | 400           | 1490       | 150        | 148       | 58                | 315    | -     |
| 18ZLL3C0005 | 5000                | 500                    | 3a   | 1660           | 1210                  | 400           | 1590       | 150        | 148       | 57                | 335    | -     |
| 18ZLM4C0001 | 5000                | 600                    | 4a   | 1200           | 900                   | 550           | 1110       | 150        | 158       | 70                | 365    | -     |
| 18ZLM4C0002 | 5000                | 600                    | 4a   | 1400           | 1100                  | 550           | 1310       | 150        | 158       | 68                | 400    | -     |
| 18ZR04C0003 | 8000                | 600                    | 4a   | 1740           | 1450                  | 550           | 1650       | 200        | 158       | 70                | 480    | -     |
| 18ZR04C0004 | 8000                | 600                    | 4a   | 1800           | 1500                  | 550           | 1710       | 200        | 158       | 70                | 505    | -     |
| 18ZR04C0005 | 8000                | 600                    | 4a   | 2000           | 1700                  | 550           | 1910       | 200        | 158       | 71                | 525    | -     |
| 18ZR14C0001 | 8000                | 900                    | 4a*  | 2200           | 2070                  | 550           | 2110       | 200        | 158       | 73                | 630    | -     |
| 18ZR14C0002 | 8000                | 900                    | 4a*  | 2400           | 2070                  | 550           | 2310       | 200        | 158       | 72                | 675    | -     |

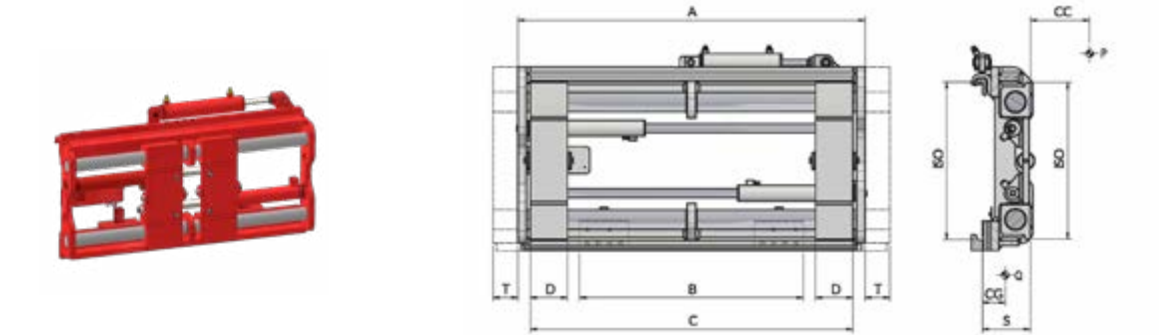
Accessories on request

SLI - Sideshifting Valve (requires an additional hydraulic function)

| ISO (L/min)     | 2  | 3  | 4      |
|-----------------|----|----|--------|
| Opening/Closing | 15 | 20 | 40/45* |

Hydraulic Functions: 1  
Max working pressure: 80 Bar

673 SLS Double Pin-Type Fork Positioner for ISO Forks with Integral Sideshift



FEATURES

- Flow divider for a constant and synchronised movement of the forks.
- For particularly demanding use.
- Adjustable plates for use of forks with different sections.
- Pressure Relief Valve.

SPECIAL EQUIPMENT

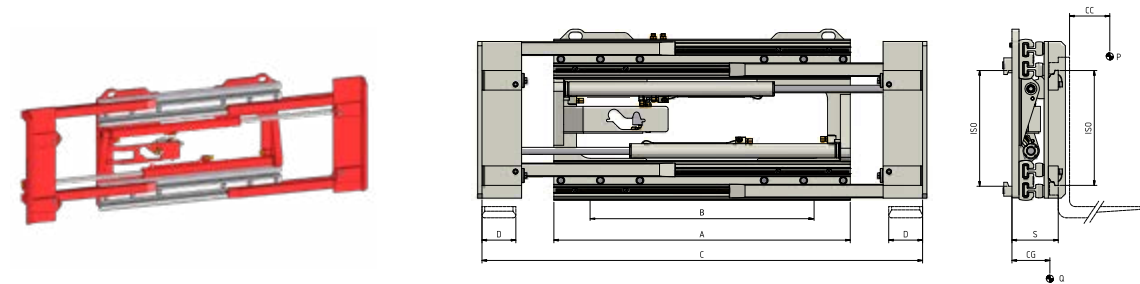
- Special widths and/or openings.
- Standard or telescopic Forks.
- Load Backrest.
- Check valve for barrel grabbing.

| Article     | Attachment Capacity | Load Centre of Gravity | ISO  | Carriage Width | Minimum Fork Carriage | Opening Range |            | Fork Width | Stroke | Thickness | Centre of Gravity | Weight | Price |
|-------------|---------------------|------------------------|------|----------------|-----------------------|---------------|------------|------------|--------|-----------|-------------------|--------|-------|
| Nº          | P (Kg)              | CC (mm)                | 2328 | A (mm)         | B (mm)                | C Min (mm)    | C Max (mm) | D (mm)     | T (mm) | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 18ZFA2C2001 | 2500                | 500                    | 2    | 980            | 950                   | 360           | 930        | 130        | ± 100  | 148       | 71                | 180    | -     |
| 18ZFA2C2002 | 2500                | 500                    | 2    | 1040           | 950                   | 360           | 990        | 130        | ± 100  | 148       | 70                | 185    | -     |
| 18ZFA2C2003 | 2500                | 500                    | 2    | 1100           | 950                   | 360           | 1050       | 130        | ± 100  | 148       | 69                | 195    | -     |
| 18ZFA2C2004 | 2500                | 500                    | 2    | 1150           | 950                   | 360           | 1100       | 130        | ± 100  | 148       | 68                | 200    | -     |
| 18ZLL3C2003 | 5000                | 500                    | 3    | 1150           | 950                   | 400           | 1080       | 150        | ± 100  | 183       | 87                | 285    | -     |
| 18ZLL3C2001 | 5000                | 500                    | 3    | 1250           | 1080                  | 400           | 1180       | 150        | ± 100  | 183       | 86                | 305    | -     |
| 18ZLL3C2004 | 5000                | 500                    | 3    | 1350           | 1050                  | 400           | 1280       | 150        | ± 100  | 183       | 85                | 325    | -     |
| 18ZLL3C2002 | 5000                | 500                    | 3    | 1560           | 1300                  | 400           | 1490       | 150        | ± 100  | 183       | 85                | 360    | -     |
| 18ZLL3C2005 | 5000                | 500                    | 3    | 1660           | 1300                  | 400           | 1590       | 150        | ± 100  | 183       | 85                | 370    | -     |
| 18ZLM4C2001 | 5000                | 600                    | 4    | 1200           | 1100                  | 550           | 1110       | 150        | ± 100  | 193       | 93                | 410    | -     |
| 18ZLM4C2002 | 5000                | 600                    | 4    | 1400           | 1100                  | 550           | 1310       | 150        | ± 100  | 193       | 92                | 445    | -     |
| 18ZR04C2003 | 8000                | 600                    | 4    | 1740           | 1130                  | 550           | 1650       | 200        | ± 150  | 193       | 96                | 550    | -     |
| 18ZR04C2004 | 8000                | 600                    | 4    | 1800           | 1190                  | 550           | 1710       | 200        | ± 150  | 193       | 95                | 560    | -     |
| 18ZR04C2005 | 8000                | 600                    | 4    | 2000           | 1400                  | 550           | 1910       | 200        | ± 150  | 193       | 92                | 600    | -     |
| 18ZR14C2001 | 8000                | 900                    | 4*   | 2200           | 2180                  | 550           | 2110       | 200        | ± 150  | 193       | 96                | 700    | -     |
| 18ZR14C2002 | 8000                | 900                    | 4*   | 2400           | 2180                  | 550           | 2310       | 200        | ± 150  | 193       | 96                | 745    | -     |

| ISO (L/min)     | 2  | 3  | 4      |
|-----------------|----|----|--------|
| Shifting        | 10 | 15 | 18     |
| Opening/Closing | 15 | 20 | 40/45* |

Hydraulic Functions: 2  
Max working pressure: 80 Bar

883 Wide Opening Fork Positioner



FEATURES

- Flow divider for a constant and synchronised movement of the forks.
- It allows an opening of the forks beyond the frame of the attachment itself.
- Suitable for particularly voluminous applications, even if not palletized.

SPECIAL EQUIPMENT

- Special widths and/or openings.
- Standard, welded, bolted or telescopic Forks.
- Load Backrest.
- Check valve for barrel grabbing.

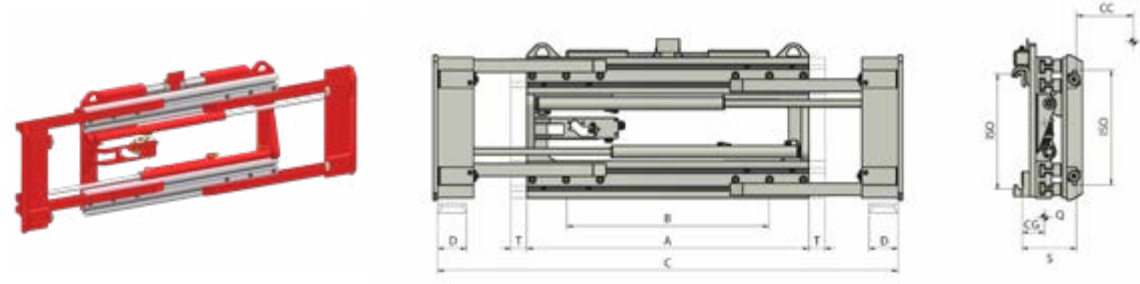
| Article     | Attachment Capacity | Load Centre of Gravity | ISO  | Carriage Width | Minimum Fork Carriage | Opening Range |            | Fork Width | Thickness | Centre of Gravity | Weight | Price |
|-------------|---------------------|------------------------|------|----------------|-----------------------|---------------|------------|------------|-----------|-------------------|--------|-------|
| Nº          | P (Kg)              | CC (mm)                | 2328 | A (mm)         | B (mm)                | C Min (mm)    | C Max (mm) | D (mm)     | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 17PFA2C0024 | 2400                | 500                    | 2    | 950            | 770                   | 560           | 1750       | 130        | 164       | 63                | 185    | -     |
| 17PFA2C0025 | 2400                | 500                    | 2    | 1050           | 870                   | 560           | 1850       | 130        | 164       | 64                | 195    | -     |
| 17PH23C0002 | 3000                | 500                    | 3    | 1050           | 810                   | 560           | 1850       | 130        | 174       | 66                | 210    | -     |
| 17PH23C0003 | 3000                | 500                    | 3    | 1150           | 910                   | 560           | 1950       | 130        | 174       | 65                | 215    | -     |
| 17PLL3C0031 | 4500                | 500                    | 3    | 1050           | 810                   | 560           | 1840       | 150        | 207       | 85                | 290    | -     |
| 17PLL3C0035 | 4500                | 500                    | 3    | 1250           | 970                   | 560           | 2040       | 150        | 207       | 83                | 300    | -     |
| 17PLL3C0033 | 4500                | 500                    | 3    | 1350           | 1070                  | 560           | 2140       | 150        | 207       | 82                | 305    | -     |
| 17PKR3C0002 | 4500                | 600                    | 3    | 1200           | 1050                  | 560           | 1960       | 150        | 235       | 88                | 470    | -     |
| 17PKR3C0003 | 4500                | 600                    | 3    | 1300           | 1050                  | 560           | 2060       | 150        | 235       | 87                | 480    | -     |
| 17PKR4C0001 | 4500                | 600                    | 4    | 1200           | 810                   | 560           | 1960       | 150        | 250       | 92                | 510    | -     |
| 17PKR4C0002 | 4500                | 600                    | 4    | 1300           | 910                   | 560           | 2060       | 150        | 250       | 91                | 520    | -     |
| 17PKR4C0003 | 4500                | 600                    | 4    | 1400           | 1010                  | 560           | 2160       | 150        | 250       | 90                | 528    | -     |
| 17PQ54C0001 | 7000                | 600                    | 4    | 1600           | 1210                  | 560           | 2360       | 200        | 250       | 95                | 570    | -     |
| 17PQ54C0006 | 7000                | 600                    | 4    | 1800           | 1410                  | 560           | 2560       | 200        | 250       | 94                | 588    | -     |

|                                                                      |   |
|----------------------------------------------------------------------|---|
| Accessories on request                                               | € |
| SLI - Sideshifting Valve (requires an additional hydraulic function) | - |

| ISO (L/min)     | 2  | 3  | 4  |
|-----------------|----|----|----|
| Opening/Closing | 15 | 20 | 45 |

Accessories page 37

883 SLS Wide Opening Fork Positioner with Integral Sideshift



FEATURES

- Flow divider for a constant and synchronised movement of the forks.
- It allows an opening of the forks beyond the frame of the attachment itself.
- Suitable for particularly voluminous applications, even if not palletized.

SPECIAL EQUIPMENT

- Special widths and/or openings.
- Standard, welded, bolted or telescopic Forks.
- Load Backrest.
- Check valve for barrel grabbing.

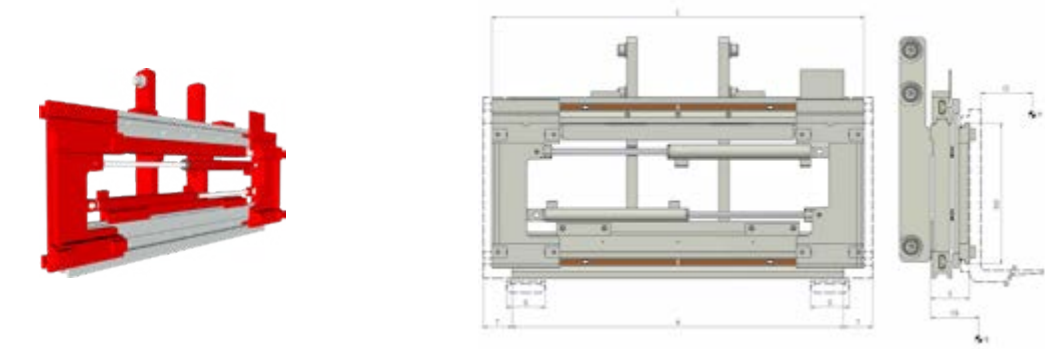
| Article     | Attachment Capacity | Load Centre of Gravity | ISO  | Carriage Width | Minimum Fork Carriage | Opening Range |            | Fork Width | Stroke | Thickness | Centre of Gravity | Weight | Price |
|-------------|---------------------|------------------------|------|----------------|-----------------------|---------------|------------|------------|--------|-----------|-------------------|--------|-------|
| Nº          | P (Kg)              | CC (mm)                | 2328 | A (mm)         | B (mm)                | C Min (mm)    | C Max (mm) | D (mm)     | T (mm) | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 17PFA2C2024 | 2400                | 500                    | 2    | 950            | 900                   | 560           | 1750       | 130        | ± 100  | 192       | 75                | 220    | -     |
| 17PFA2C2026 | 2400                | 500                    | 2    | 1050           | 900                   | 560           | 1850       | 130        | ± 100  | 192       | 79                | 225    | -     |
| 17PH23C2002 | 3000                | 500                    | 3    | 1050           | 900                   | 560           | 1850       | 130        | ± 100  | 209       | 78                | 260    | -     |
| 17PH23C2003 | 3000                | 500                    | 3    | 1150           | 1000                  | 560           | 1950       | 130        | ± 100  | 209       | 81                | 275    | -     |
| 17PLL3C2031 | 4500                | 500                    | 3    | 1050           | 950                   | 560           | 1840       | 150        | ± 100  | 242       | 89                | 340    | -     |
| 17PLL3C2035 | 4500                | 500                    | 3    | 1250           | 1100                  | 560           | 2040       | 150        | ± 100  | 242       | 91                | 360    | -     |
| 17PLL3C2033 | 4500                | 500                    | 3    | 1350           | 1100                  | 560           | 2140       | 150        | ± 100  | 242       | 97                | 370    | -     |
| 17PKR3C2002 | 4500                | 600                    | 3    | 1200           | 1050                  | 560           | 1960       | 150        | ± 100  | 270       | 94                | 525    | -     |
| 17PKR3C2003 | 4500                | 600                    | 3    | 1300           | 1050                  | 560           | 2060       | 150        | ± 100  | 270       | 93                | 530    | -     |
| 17PKR4C2001 | 4500                | 600                    | 4    | 1200           | 1100                  | 560           | 1960       | 150        | ± 100  | 284       | 114               | 553    | -     |
| 17PKR4C2002 | 4500                | 600                    | 4    | 1300           | 1100                  | 560           | 2060       | 150        | ± 100  | 284       | 113               | 560    | -     |
| 17PKR4C2003 | 4500                | 600                    | 4    | 1400           | 1100                  | 560           | 2160       | 150        | ± 100  | 284       | 112               | 567    | -     |
| 17PQ54C2001 | 7000                | 600                    | 4    | 1600           | 1300                  | 560           | 2360       | 200        | ± 100  | 284       | 117               | 645    | -     |
| 17PQ54C2006 | 7000                | 600                    | 4    | 1800           | 1300                  | 560           | 2560       | 200        | ± 100  | 284       | 113               | 670    | -     |
| 17PQ54C2022 | 7000                | 600                    | 4    | 1600           | 1400                  | 560           | 2360       | 200        | ± 150  | 284       | 117               | 650    | -     |
| 17PQ54C2019 | 7000                | 600                    | 4    | 1800           | 1400                  | 560           | 2560       | 200        | ± 150  | 284       | 113               | 675    | -     |

| ISO (L/min)     | 2  | 3  | 4  |
|-----------------|----|----|----|
| Shifting        | 10 | 15 | 18 |
| Opening/Closing | 15 | 20 | 45 |

Accessories page 37

Hydraulic Functions: 2  
Max working pressure: 80 Bar

678 Integrated Fork Positioner with Integral Sideshift



FEATURES

SPECIAL EQUIPMENT

- Differentiated Cylinders for a constant and synchronised movement of the forks.
  - It can be integrated in the mast, replacing the original fork carriage, reducing thickness and increasing Forklift residual capacity.
- Special widths and/or openings.
  - ISO 2328 coupling.
  - Standard, welded, bolted or telescopic Forks.
  - Load Backrest.
  - Check valve for barrel grabbing.
  - No Sideshift.

| Article     | Attachment Capacity | Load Centre of Gravity | ISO  | Carriage Width | External Plates Opening Range |            | Fork Width | Stroke | Thickness | Centre of Gravity | Weight | Price |
|-------------|---------------------|------------------------|------|----------------|-------------------------------|------------|------------|--------|-----------|-------------------|--------|-------|
| Nº          | P (Kg)              | CC (mm)                | 2328 | A (mm)         | C Min (mm)                    | C Max (mm) | D (mm)     | T (mm) | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 17UFA2A2001 | 2500                | 500                    | 2    | 980            | 490                           | 1120       | 130        | ± 100  | 134       | 65                | 195    | -     |
| 17UFA2A2002 | 2500                | 500                    | 2    | 1040           | 490                           | 1180       | 130        | ± 100  | 134       | 65                | 200    | -     |
| 17UFA2A2003 | 2500                | 500                    | 2    | 1100           | 490                           | 1240       | 130        | ± 100  | 134       | 66                | 210    | -     |
| 17UFA2A2005 | 2500                | 500                    | 2    | 1150           | 490                           | 1290       | 130        | ± 100  | 134       | 66                | 217    | -     |
| 17UFA2A2006 | 2500                | 500                    | 2    | 1350           | 490                           | 1490       | 130        | ± 100  | 134       | 67                | 242    | -     |
| 17UH23A2001 | 3000                | 500                    | 3    | 1150           | 490                           | 1290       | 130        | ± 100  | 145       | 70                | 225    | -     |
| 17UH23A2002 | 3000                | 500                    | 3    | 1350           | 490                           | 1490       | 130        | ± 100  | 145       | 71                | 260    | -     |
| 17UH23A2003 | 3000                | 500                    | 3    | 1550           | 490                           | 1690       | 130        | ± 100  | 145       | 72                | 285    | -     |
| 17UH23A2004 | 3000                | 500                    | 3    | 1650           | 490                           | 1790       | 130        | ± 100  | 145       | 72                | 300    | -     |
| 17ULL3A2004 | 5000                | 500                    | 3    | 1150           | 490                           | 1290       | 150        | ± 100  | 170       | 79                | 335    | -     |
| 17ULL3A2001 | 5000                | 500                    | 3    | 1350           | 490                           | 1490       | 150        | ± 100  | 170       | 80                | 360    | -     |
| 17ULL3A2002 | 5000                | 500                    | 3    | 1550           | 490                           | 1690       | 150        | ± 100  | 170       | 81                | 395    | -     |
| 17ULL3A2003 | 5000                | 500                    | 3    | 1650           | 490                           | 1790       | 150        | ± 100  | 170       | 82                | 410    | -     |

|  | ISO (L/min)     | 2  | 3  |
|-----------------------------------------------------------------------------------|-----------------|----|----|
|  | Shifting        | 10 | 15 |
|  | Opening/Closing | 15 | 20 |

Hydraulic Functions: 2  
Max working pressure: 80 Bar



LOAD  
BACKRESTS



A - PIN-TYPE FORKS  
B - BOLTED FORKS  
C - WELDED FORKS  
D - TELESCOPIC FORKS

| Accessories on request                                              | € |
|---------------------------------------------------------------------|---|
| Hoses and Fitting Kit (for each hydraulic function)                 | - |
| Hoses and quick-release Couplings Kit (for each hydraulic function) | - |
| Pressure Gauge                                                      | - |
| Bronze Wear Pads                                                    | - |
| Quick-release Hooks                                                 | - |
| Drilling for Load Backrest                                          | - |
| Solenoid valve two functions with Electric Kit (specify voltage)    | - |
| Check valve for barrel grabbing                                     | - |
| Automatic Greasing System for Semi-Integral Sideshift               | - |

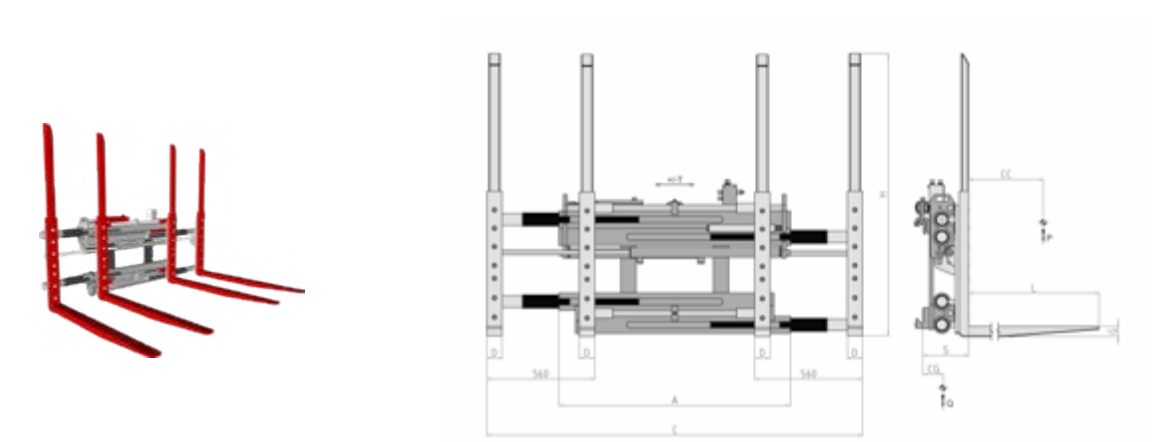


# 04

## MULTIPALLET HANDLERS

|                                                                                      |    |
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917.T2 Double Fork Positioner with Semi-Integral Sideshift (1-2 Pallets)



FEATURES

- One or two pallets side by side.
- Smaller frame ease dimension.
- 4 bolt-on forks supplied with reinforced heel and load backrest, for easier replacement operations.
- Easier and safer manoeuvres, even in narrow spaces.

SPECIAL EQUIPMENT

- Special widths and/or strokes.
- Custom made Forks.
- Custom made Load Backrest.
- Load Stabiliser with custom made dimensions/openings.

| Article     | Attachment Capacity | Load Centre of Gravity | ISO  | Carriage Width | Opening Range |            | Forks      | Forks Height | Stroke | Thickness | Centre of Gravity | Weight | Price |
|-------------|---------------------|------------------------|------|----------------|---------------|------------|------------|--------------|--------|-----------|-------------------|--------|-------|
| Nº          | P (Kg)              | CC (mm)                | 2328 | A (mm)         | C Min (mm)    | C Max (mm) | DxGxL (mm) | H (mm)       | T (mm) | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 15REA2A1004 | 2200                | 600                    | 2a   | 1200           | 560           | 1940       | 80x40x1150 | 1460         | ± 100  | 224       | 205               | 480    | -     |
| 15RFB2A1005 | 2500                | 600                    | 2a   | 1200           | 560           | 1940       | 80x50x1150 | 1460         | ± 100  | 234       | 220               | 550    | -     |
| 15RFB3A1005 | 2600                | 600                    | 3a   | 1200           | 560           | 1940       | 80x50x1150 | 1460         | ± 100  | 234       | 210               | 550    | -     |
| 15RHF3A1005 | 3200                | 600                    | 3a   | 1200           | 560           | 1940       | 80x60x1150 | 1460         | ± 100  | 254       | 220               | 635    | -     |
| 15RJV3A1003 | 4000                | 600                    | 3a   | 1400           | 560           | 1940       | 80x60x1150 | 1460         | ± 100  | 254       | 195               | 650    | -     |

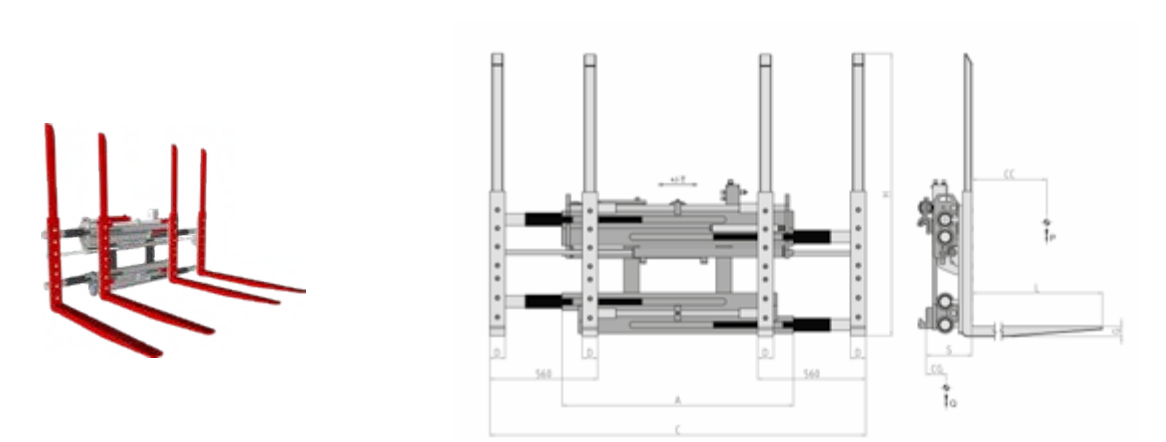


| ISO (L/min)     | 2  | 3  |
|-----------------|----|----|
| Shifting        | 15 | 15 |
| Opening/Closing | 45 | 45 |

Hydraulic Functions: 2  
Max working pressure: 200 Bar

Accessories page 49

917.T4 Double Fork Positioner with Semi-Integral Sideshift (1-2-4 Pallets)



FEATURES

- One or two pallets side by side and two or four pallets in double depth.
- Smaller frame ease dimension.
- 4 bolt-on forks supplied with reinforced heel and load backrest, for easier replacement operations.
- Easier and safer manoeuvres, even in narrow spaces.

SPECIAL EQUIPMENT

- Special widths and/or strokes.
- Custom made Forks.
- Custom made Load Backrest.
- Load Stabiliser with custom made dimensions/openings.

| Article     | Attachment Capacity | Load Centre of Gravity | ISO  | Carriage Width | Opening Range |            | Forks      | Forks Height | Stroke | Thickness | Centre of Gravity | Weight | Price |
|-------------|---------------------|------------------------|------|----------------|---------------|------------|------------|--------------|--------|-----------|-------------------|--------|-------|
| Nº          | P (Kg)              | CC (mm)                | 2328 | A (mm)         | C Min (mm)    | C Max (mm) | DxGxL (mm) | H (mm)       | T (mm) | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 15RFC3A1001 | 2500                | 1200                   | 3a   | 1400           | 560           | 1940       | 80x60x2400 | 1460         | ± 100  | 225       | 480               | 1050   | -     |
| 15RJ64A1001 | 3600                | 1200                   | 4a   | 1400           | 560           | 1940       | 80x70x2400 | 1460         | ± 150  | 235       | 435               | 1320   | -     |
| 15RKY4A1001 | 4600                | 1200                   | 4a   | 1400           | 560           | 1940       | 80x70x2400 | 1460         | ± 150  | 235       | 445               | 1380   | -     |

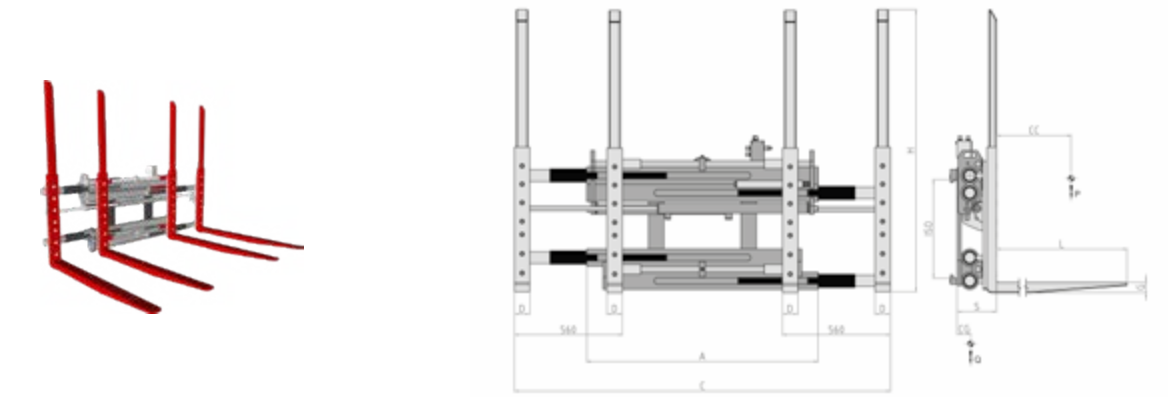


| ISO (L/min)     | 3  | 4  |
|-----------------|----|----|
| Shifting        | 15 | 20 |
| Opening/Closing | 45 | 45 |

Hydraulic Functions: 2  
Max working pressure: 200 Bar

Accessories page 49

917.2 Double Fork Positioner (1-2 Pallets)



FEATURES

SPECIAL EQUIPMENT

- One or two pallets side by side.
  - Smaller frame ease dimension.
  - 4 bolt-on forks supplied with reinforced heel and load backrest, for easier replacement operations.
  - Easier and safer manoeuvres, even in narrow spaces.
- Special widths and/or strokes.
  - Custom made Forks.
  - Custom made Load Backrest.
  - Load Stabiliser with custom made dimensions/openings.

| Article     | Attachment Capacity | Load Centre of Gravity | ISO  | Carriage Width | Opening Range |            | Forks      | Forks Height | Thickness | Centre of Gravity | Weight | Price |
|-------------|---------------------|------------------------|------|----------------|---------------|------------|------------|--------------|-----------|-------------------|--------|-------|
| N°          | P (Kg)              | CC (mm)                | 2328 | A (mm)         | C Min (mm)    | C Max (mm) | DxGxL (mm) | H (mm)       | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 15REA2A0004 | 2200                | 600                    | 2a   | 1200           | 560           | 1940       | 80x40x1150 | 1460         | 154       | 190               | 450    | -     |
| 15RFB2A0005 | 2500                | 600                    | 2a   | 1200           | 560           | 1940       | 80x50x1150 | 1460         | 164       | 205               | 495    | -     |
| 15RFB3A0005 | 2600                | 600                    | 3a   | 1200           | 560           | 1940       | 80x50x1150 | 1460         | 164       | 210               | 535    | -     |
| 15RHF3A0005 | 3200                | 600                    | 3a   | 1200           | 560           | 1940       | 80x60x1150 | 1460         | 174       | 220               | 605    | -     |
| 15RJV3A0003 | 4000                | 600                    | 3a   | 1400           | 560           | 1940       | 80x60x1150 | 1460         | 174       | 195               | 620    | -     |

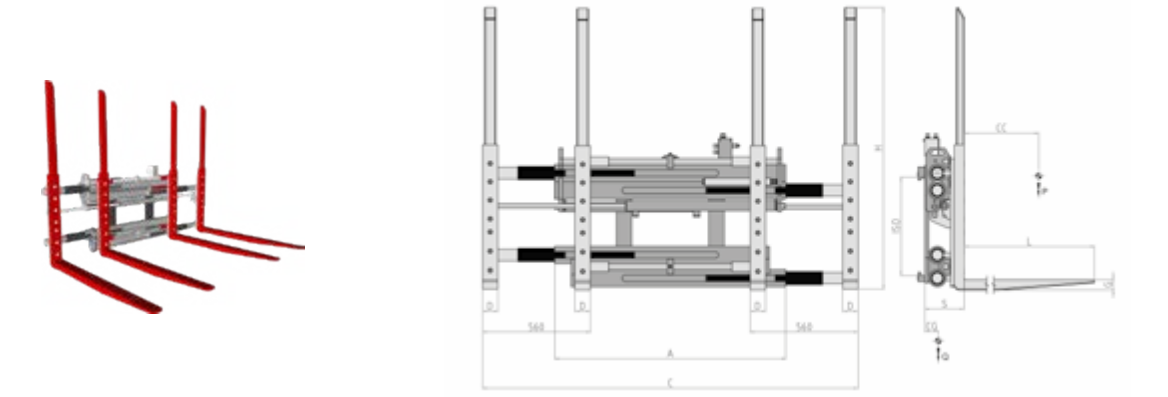


| ISO (L/min)     | 2  | 3  |
|-----------------|----|----|
| Opening/Closing | 45 | 45 |

Hydraulic Functions: 1  
Max working pressure: 200 Bar

Accessories page 49

917.4 Double Fork Positioner (1-2-4 Pallets)



FEATURES

SPECIAL EQUIPMENT

- One or two pallets side by side and two or four pallets in double depth.
  - Smaller frame ease dimension.
  - 4 bolt-on forks supplied with reinforced heel and load backrest, for easier replacement operations.
  - Easier and safer manoeuvres, even in narrow spaces.
- Special widths and/or strokes.
  - Custom made Forks.
  - Custom made Load Backrest.
  - Load Stabiliser with custom made dimensions/openings.

| Article     | Attachment Capacity | Load Centre of Gravity | ISO  | Carriage Width | Opening Range |            | Forks      | Forks Height | Thickness | Centre of Gravity | Weight | Price |
|-------------|---------------------|------------------------|------|----------------|---------------|------------|------------|--------------|-----------|-------------------|--------|-------|
| N°          | P (Kg)              | CC (mm)                | 2328 | A (mm)         | C Min (mm)    | C Max (mm) | DxGxL (mm) | H (mm)       | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 15RFC3A0001 | 2500                | 1200                   | 3a   | 1400           | 560           | 1940       | 80x60x2400 | 1460         | 200       | 480               | 980    | -     |
| 15RJ64A0001 | 3600                | 1200                   | 4a   | 1400           | 560           | 1940       | 80x70x2400 | 1460         | 210       | 435               | 1250   | -     |
| 15RKY4A0001 | 4600                | 1200                   | 4a   | 1400           | 560           | 1940       | 80x70x2400 | 1460         | 210       | 445               | 1310   | -     |

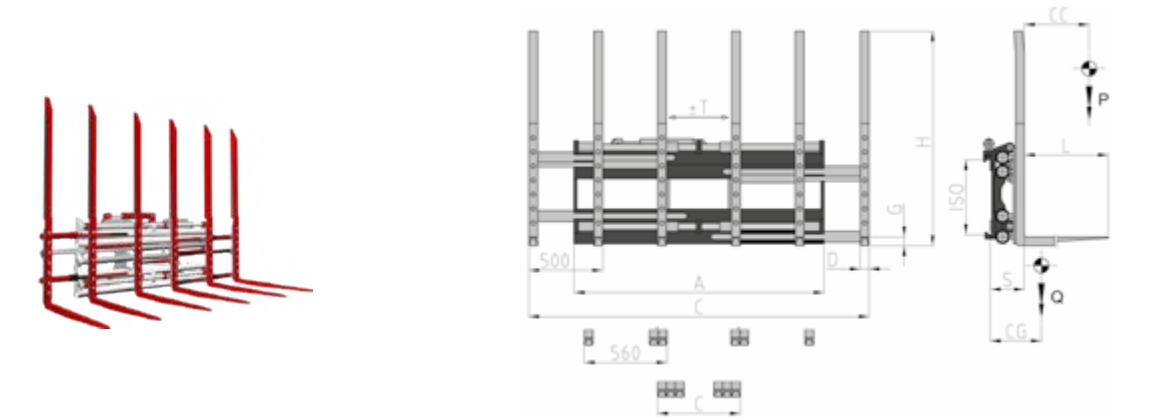


| ISO (L/min)     | 3  | 4  |
|-----------------|----|----|
| Opening/Closing | 45 | 45 |

Hydraulic Functions: 1  
Max working pressure: 200 Bar

Accessories page 49

918.T Triple Fork Positioner with Semi-Integral Sideshift (1-2-3 Pallets)



FEATURES

SPECIAL EQUIPMENT

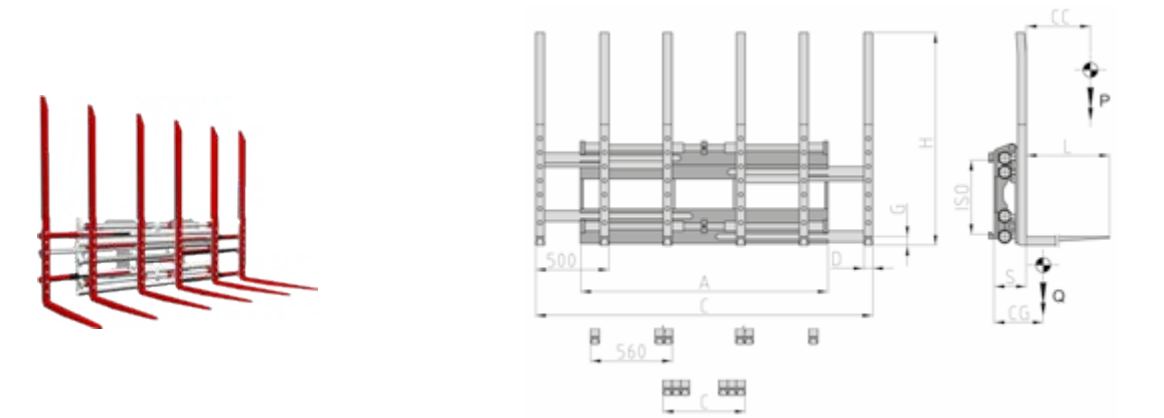
- One, two or three pallets side by side.
  - Smaller frame ease dimension.
  - 6 bolt-on forks supplied with reinforced heel and load backrest, for easier replacement operations.
  - Easier and safer manoeuvres, even in narrow spaces.
- Special widths and/or strokes.
  - Custom made Forks.
  - Custom made Load Backrest.
  - Load Stabiliser with custom made dimensions/openings.

| Article     | Attachment Capacity | Load Centre of Gravity | ISO  | Carriage Width | Opening Range |            | Forks      | Forks Height | Stroke | Thickness | Centre of Gravity | Weight | Price |
|-------------|---------------------|------------------------|------|----------------|---------------|------------|------------|--------------|--------|-----------|-------------------|--------|-------|
| Nº          | P (Kg)              | CC (mm)                | 2328 | A (mm)         | C Min (mm)    | C Max (mm) | DxGxL (mm) | H (mm)       | T (mm) | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 15SH33A1001 | 3000                | 600                    | 3a   | 1630           | 560           | 2285       | 60x50x1150 | 1460         | ± 100  | 245       | 205               | 820    | -     |
| 15SH33A1002 | 3000                | 600                    | 3a   | 1795           | 560           | 2450       | 60x50x1150 | 1460         | ± 100  | 250       | 200               | 840    | -     |
| 15SJ53A1001 | 3600                | 600                    | 3a   | 1630           | 560           | 2285       | 60x60x1150 | 1460         | ± 100  | 248       | 240               | 860    | -     |
| 15SJ53A1002 | 3600                | 600                    | 3a   | 1795           | 560           | 2450       | 60x60x1150 | 1460         | ± 100  | 248       | 237               | 880    | -     |
| 15SJ53A1003 | 3600                | 600                    | 3a   | 2285           | 560           | 2940       | 60x60x1150 | 1460         | ± 100  | 248       | 225               | 980    | -     |

| ISO (L/min)     | 3  |
|-----------------|----|
| Shifting        | 20 |
| Opening/Closing | 45 |

Hydraulic Functions: 2  
Max working pressure: 200 Bar

918 Triple Fork Positioner (1-2-3 Pallets)



FEATURES

SPECIAL EQUIPMENT

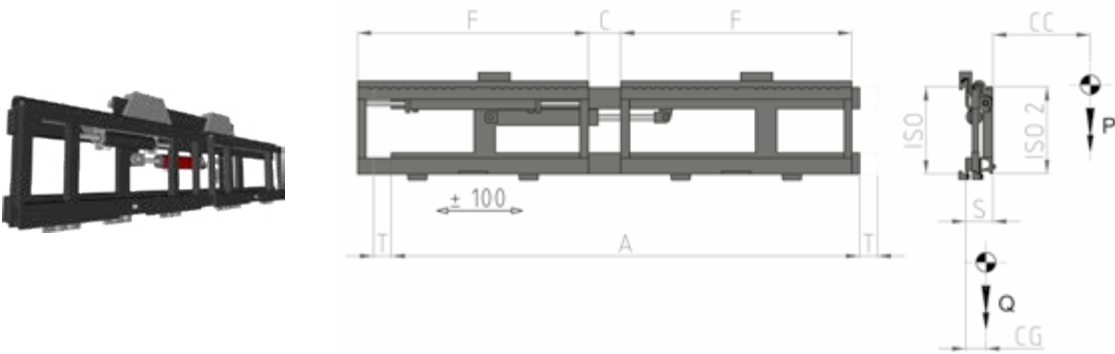
- One, two or three pallets side by side.
  - Smaller frame ease dimension.
  - 6 bolt-on forks supplied with reinforced heel and load backrest, for easier replacement operations.
  - Easier and safer manoeuvres, even in narrow spaces.
- Special widths and/or strokes.
  - Custom made Forks.
  - Custom made Load Backrest.
  - Load Stabiliser with custom made dimensions/openings.

| Article     | Attachment Capacity | Load Centre of Gravity | ISO  | Carriage Width | Opening Range |            | Forks      | Forks Height | Thickness | Centre of Gravity | Weight | Price |
|-------------|---------------------|------------------------|------|----------------|---------------|------------|------------|--------------|-----------|-------------------|--------|-------|
| Nº          | P (Kg)              | CC (mm)                | 2328 | A (mm)         | C Min (mm)    | C Max (mm) | DxGxL (mm) | H (mm)       | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 15SH33A0001 | 3000                | 600                    | 3a   | 1630           | 560           | 2285       | 60x50x1150 | 1460         | 209       | 198               | 715    | -     |
| 15SH33A0002 | 3000                | 600                    | 3a   | 1795           | 560           | 2450       | 60x50x1150 | 1460         | 209       | 218               | 760    | -     |
| 15SJ53A0001 | 3600                | 600                    | 3a   | 1630           | 560           | 2285       | 60x60x1150 | 1460         | 219       | 225               | 755    | -     |
| 15SJ53A0002 | 3600                | 600                    | 3a   | 1795           | 560           | 2450       | 60x60x1150 | 1460         | 219       | 217               | 815    | -     |
| 15SJ53A0003 | 3600                | 600                    | 3a   | 2285           | 560           | 2940       | 60x60x1150 | 1460         | 219       | 210               | 900    | -     |

| ISO (L/min)     | 3  |
|-----------------|----|
| Opening/Closing | 45 |

Hydraulic Functions: 1  
Max working pressure: 200 Bar

107.2 Twin Sideshift



FEATURES

• Handling of multiple pallets side by side. • Handling of 2/4 pallets simultaneously, depending on the type of forks installed. • Rear shifting structure with a connected fixed carriage and an additional shifting carriage. • Easier and safer manoeuvres, even in narrow spaces.

SPECIAL EQUIPMENT

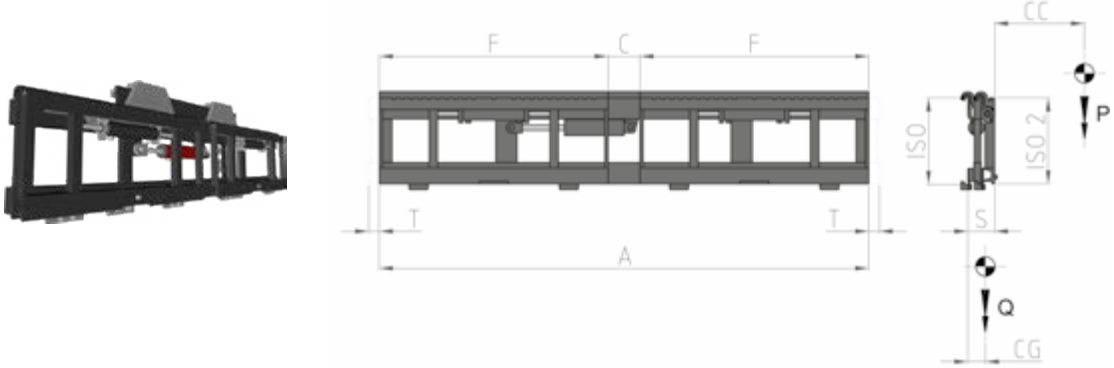
• Special widths and/or strokes. • Custom made Forks. • Custom made Load Backrest. • Load Stabiliser with custom made dimensions/openings.

| Article     | Attachment Capacity | Load Centre of Gravity | ISO  | Carriage Width |        | Distance   |            | Stroke | Thickness | Centre of Gravity | Weight | Price |
|-------------|---------------------|------------------------|------|----------------|--------|------------|------------|--------|-----------|-------------------|--------|-------|
| Nº          | P (Kg)              | CC (mm)                | 2328 | A (mm)         | F (mm) | C Min (mm) | C Max (mm) | T (mm) | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 15GFA2C3001 | 2500                | 500                    | 2    | 1610           | 800    | 10         | 160        | ± 100  | 125       | 67                | 234    | -     |
| 15GFA2C3002 | 2500                | 500                    | 2    | 1980           | 980    | 10         | 220        | ± 100  | 125       | 68                | 276    | -     |
| 15GHY7C3002 | 3500                | 500                    | 3    | 1980           | 980    | 20         | 220        | ± 100  | 144       | 77                | 382    | -     |
| 15GHY7C3003 | 3500                | 500                    | 3    | 2080           | 980    | 100        | 300        | ± 100  | 144       | 80                | 390    | -     |

| ISO (L/min) | 2  | 3  |
|-------------|----|----|
| Shifting    | 15 | 15 |

Hydraulic Functions: 2  
Max working pressure: 200 Bar

107.3 Triple Sideshift



FEATURES

• Handling of multiple pallets side by side. • Handling of 2/4 pallets simultaneously, depending on the type of forks installed. • Rear shifting structure with two connected shifting carriages. • Easier and safer manoeuvres, even in narrow spaces.

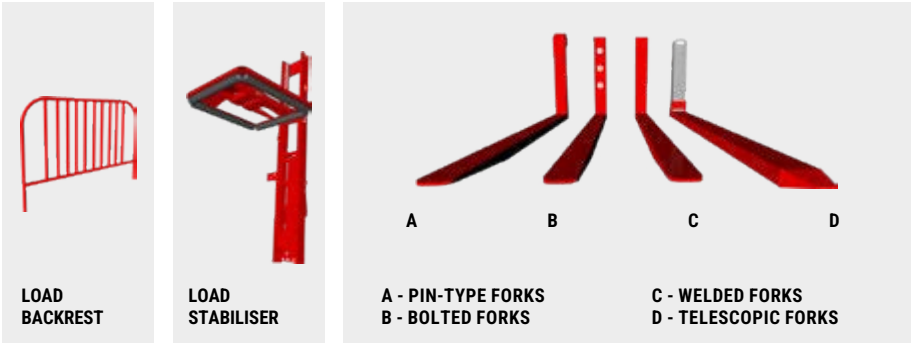
SPECIAL EQUIPMENT

• Special widths and/or strokes. • Custom made Forks. • Custom made Load Backrest. • Load Stabiliser with custom made dimensions/openings.

| Article     | Attachment Capacity | Load Centre of Gravity | ISO  | Carriage Width |        | Distance   |            | Stroke | Thickness | Centre of Gravity | Weight | Price |
|-------------|---------------------|------------------------|------|----------------|--------|------------|------------|--------|-----------|-------------------|--------|-------|
| Nº          | P (Kg)              | CC (mm)                | 2328 | A (mm)         | F (mm) | C Min (mm) | C Max (mm) | T (mm) | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 15AFA2C0001 | 2500                | 500                    | 2    | 1610           | 800    | 10         | 310        | ± 100  | 125       | 68                | 239    | -     |
| 15AFA2C0002 | 2500                | 500                    | 2    | 2100           | 980    | 20         | 420        | ± 100  | 125       | 68                | 286    | -     |
| 15AHY7C0001 | 3500                | 500                    | 3    | 2100           | 980    | 20         | 420        | ± 100  | 144       | 78                | 400    | -     |
| 15AHY7C0002 | 3500                | 500                    | 3    | 2180           | 980    | 100        | 500        | ± 100  | 144       | 80                | 408    | -     |

| ISO (L/min) | 2  | 3  |
|-------------|----|----|
| Shifting    | 15 | 15 |

Hydraulic Functions: 2  
Max working pressure: 200 Bar



| Accessories on request                                              | € |
|---------------------------------------------------------------------|---|
| Hoses and Fitting Kit (for each hydraulic function)                 | - |
| Hoses and quick-release Couplings Kit (for each hydraulic function) | - |
| Pressure Gauge                                                      | - |
| Bronze Wear Pads                                                    | - |
| Quick-release Hooks                                                 | - |
| Solenoid valve two functions with Electric Kit (specify voltage)    | - |
| Automatic Greasing System for Semi-Integral Sideshift               | - |



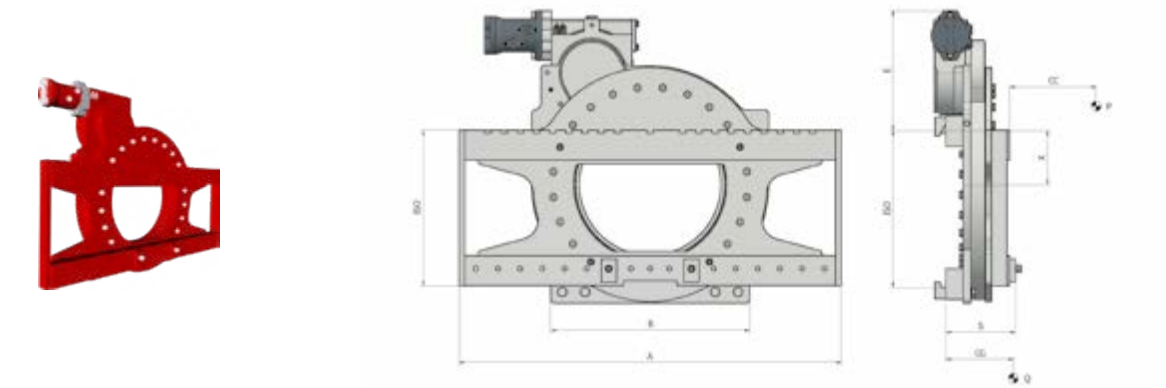
# 05

## ROTATORS

|                                                                                                         |    |
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| <b>301 SLS</b><br>360° Rotator with Integral Sideshift                                                  | 53 |
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| <b>213</b><br>360° Box Rotator with upper restraint arm                                                 | 58 |
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|             |    |
|-------------|----|
| Accessories | 61 |
|-------------|----|

30I 360° Rotator



FEATURES

SPECIAL EQUIPMENT

- Continuous rotation of 360° in both directions.
  - Recommended use of forks with reinforced lower hooks.
- Special widths and/or strokes.
  - Forks.
  - Load Backrest.
  - Pin-Type Forks.
  - Special versions for Agriculture, Fish Industry and Foundries.

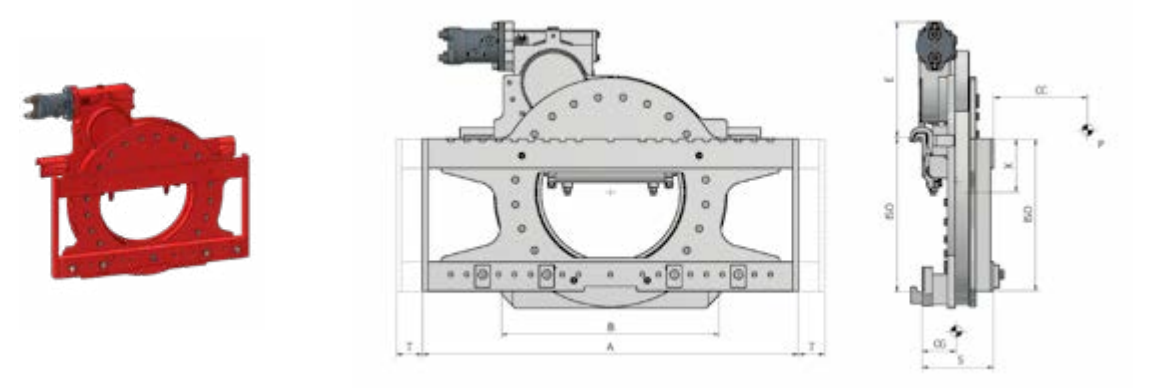
| Article     | Attachment Capacity | Load Centre of Gravity | ISO  | Carriage Width | Height | Minimum Fork Carriage | Rotation Centre | Oil Volume | Torque         | Thickness | Centre of Gravity | Weight | Price |
|-------------|---------------------|------------------------|------|----------------|--------|-----------------------|-----------------|------------|----------------|-----------|-------------------|--------|-------|
| Nº          | P (Kg)              | CC (mm)                | 2328 | A (mm)         | E (mm) | B (mm)                | X (mm)          | V (L/Spin) | Nm P (100 bar) | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 23EC42C0002 | 1600                | 500                    | 2    | 1000           | 314    | 580                   | 141             | 8.1        | 6700           | 167       | 78                | 184    | -     |
| 23EE82C0002 | 2200                | 500                    | 2    | 1100           | 314    | 580                   | 141             | 8.1        | 6700           | 167       | 79                | 187    | -     |
| 23EH23C0002 | 3000                | 500                    | 3    | 1150           | 335,5  | 750                   | 185             | 8.8        | 7400           | 177       | 80                | 310    | -     |
| 23EHS3C0002 | 3400                | 500                    | 3    | 1270           | 335,5  | 750                   | 185             | 8.8        | 12300          | 177       | 81                | 320    | -     |
| 23EK63C0024 | 4200                | 500                    | 3    | 1400           | 335,5  | 750                   | 185             | 8.8        | 12300          | 177       | 83                | 330    | -     |
| 23EL83C0002 | 4800                | 500                    | 3    | 1660           | 335,5  | 750                   | 185             | 8.8        | 12300          | 177       | 86                | 340    | -     |
| 23EKR4C0004 | 4500                | 600                    | 4    | 1350           | 305,5  | 1060                  | 235             | 12         | 13000          | 203       | 93                | 576    | -     |
| 23ELM4C0001 | 5000                | 600                    | 4    | 1600           | 305,5  | 1060                  | 235             | 12         | 13000          | 203       | 95                | 600    | -     |
| 23END4C0001 | 5500                | 600                    | 4    | 1800           | 305,5  | 1060                  | 235             | 14         | 14100          | 203       | 92                | 670    | -     |
| 23EQ54C0001 | 7000                | 600                    | 4*   | 2000           | 287    | 1050                  | 262             | 18         | 16200          | 231       | 112               | 838    | -     |
| 23ER04C0002 | 8000                | 600                    | 4*   | 2000           | 287    | 1050                  | 262             | 22         | 24200          | 231       | 112               | 838    | -     |
| 23ERQ5C0001 | 10000               | 600                    | 5    | 2000           | 360    | 1630                  | 224             | 26         | 29500          | 256       | 132               | 1450   | -     |

| ISO (L/min) | 2  | 3  | 4      | 5  |
|-------------|----|----|--------|----|
| Rotation    | 25 | 25 | 30/35* | 35 |

Hydraulic Functions: 1  
Max working pressure: 175 Bar

Accessories page 61

30I SLS 360° Rotator with Integral Sideshift



FEATURES

SPECIAL EQUIPMENT

- Continuous rotation of 360° in both directions.
  - Recommended use of forks with reinforced lower hooks.
- Special widths and/or strokes.
  - Forks.
  - Load Backrest.
  - Pin-Type Forks.
  - Special versions for Agriculture, Fish Industry and Foundries.

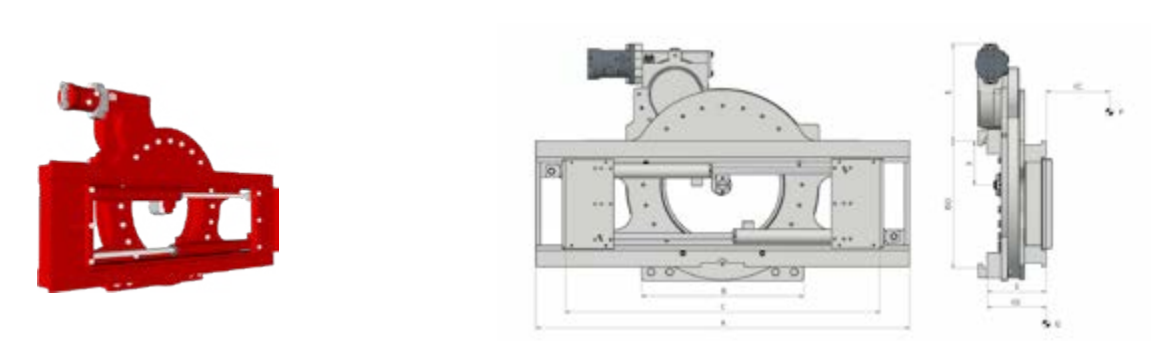
| Article     | Attachment Capacity | Load Centre of Gravity | ISO  | Carriage Width | Height | Minimum Fork Carriage | Rotation Centre | Stroke | Oil Volume | Torque         | Thickness | Centre of Gravity | Weight | Price |
|-------------|---------------------|------------------------|------|----------------|--------|-----------------------|-----------------|--------|------------|----------------|-----------|-------------------|--------|-------|
| Nº          | P (Kg)              | CC (mm)                | 2328 | A (mm)         | E (mm) | B (mm)                | X (mm)          | T (mm) | V (L/Spin) | Nm P (100 bar) | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 23EC42C2002 | 1600                | 500                    | 2    | 1000           | 314    | 700                   | 141             | ± 100  | 8.1        | 6700           | 190       | 92                | 227    | -     |
| 23EE82C2002 | 2200                | 500                    | 2    | 1100           | 314    | 700                   | 141             | ± 100  | 8.1        | 6700           | 190       | 93                | 230    | -     |
| 23EH23C2002 | 3000                | 500                    | 3    | 1150           | 335,5  | 900                   | 185             | ± 100  | 8.8        | 7400           | 217       | 107               | 347    | -     |
| 23EHS3C2002 | 3400                | 500                    | 3    | 1270           | 335,5  | 900                   | 185             | ± 100  | 8.8        | 12300          | 217       | 108               | 357    | -     |
| 23EK63C2024 | 4200                | 500                    | 3    | 1400           | 335,5  | 900                   | 185             | ± 100  | 8.8        | 12300          | 217       | 110               | 367    | -     |
| 23EL83C2002 | 4800                | 500                    | 3    | 1660           | 335,5  | 900                   | 185             | ± 100  | 8.8        | 12300          | 217       | 113               | 377    | -     |
| 23EKR4C2004 | 4500                | 600                    | 4    | 1350           | 305,5  | 960                   | 235             | ± 100  | 12         | 13000          | 264       | 141               | 628    | -     |
| 23ELM4C2001 | 5000                | 600                    | 4    | 1600           | 305,5  | 960                   | 235             | ± 100  | 12         | 13000          | 264       | 143               | 652    | -     |
| 23END4C2001 | 5500                | 600                    | 4    | 1800           | 305,5  | 960                   | 235             | ± 100  | 14         | 14100          | 264       | 140               | 720    | -     |
| 23EQ54C2001 | 7000                | 600                    | 4*   | 2000           | 287    | 1300                  | 262             | ± 150  | 18         | 16200          | 301       | 162               | 920    | -     |
| 23ER04C2002 | 8000                | 600                    | 4*   | 2000           | 287    | 1300                  | 262             | ± 150  | 22         | 24200          | 301       | 162               | 920    | -     |
| 23ERQ5C2001 | 10000               | 600                    | 5    | 2000           | 360    | 2000                  | 224             | ± 150  | 26         | 29500          | 207       | 172               | 1860   | -     |

| ISO (L/min) | 2  | 3  | 4      | 5  |
|-------------|----|----|--------|----|
| Shifting    | 10 | 15 | 18     | 25 |
| Rotation    | 25 | 25 | 30/35* | 35 |

Hydraulic Functions: 2  
Max working pressure: 175 Bar

Accessories page 61

30I RFI 360° Rotator with Integral Fork Positioner



FEATURES

SPECIAL EQUIPMENT

- Continuous rotation of 360° in both directions. • Distance between forks hydraulically adjustable. • Suitable for loads of different sizes. • Recommended use of forks with reinforced lower hooks.
- Special widths and/or strokes. • Forks. • Load Backrest. • Special versions for Agriculture, Fish Industry and Foundries.

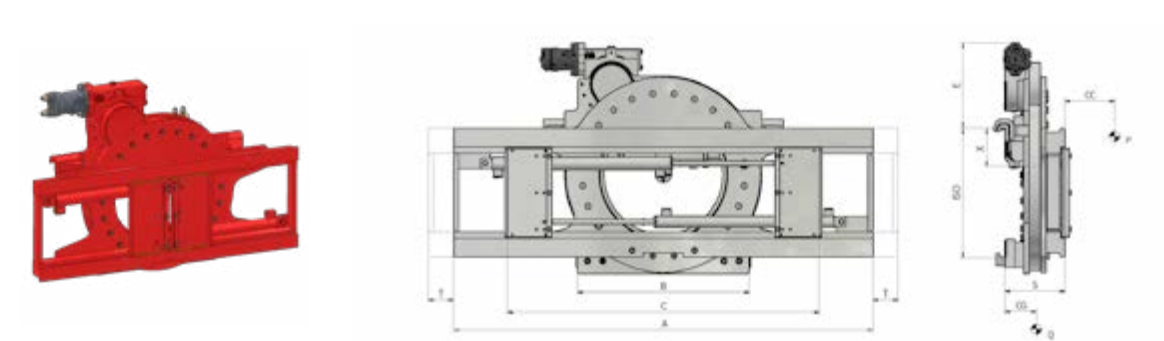
| Article     | Attachment Capacity | Load Centre of Gravity | ISO  | Carriage Width | Height | Minimum Fork Carriage | Rotation Centre | Opening Range |            | Torque         | Thickness | Centre of Gravity | Weight | Price |
|-------------|---------------------|------------------------|------|----------------|--------|-----------------------|-----------------|---------------|------------|----------------|-----------|-------------------|--------|-------|
| Nº          | P (Kg)              | CC (mm)                | 2328 | A (mm)         | E (mm) | B (mm)                | X (mm)          | C Min (mm)    | C Max (mm) | Nm P (100 bar) | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 23EC42C3001 | 1600                | 500                    | 2    | 900            | 314    | 580                   | 141             | 320           | 900        | 6700           | 189       | 95                | 236    | -     |
| 23EC42C3002 | 1600                | 500                    | 2    | 1000           | 314    | 580                   | 141             | 320           | 1000       | 6700           | 189       | 96                | 246    | -     |
| 23EE82C3010 | 2200                | 500                    | 2    | 1000           | 314    | 580                   | 141             | 320           | 1000       | 6700           | 189       | 96                | 246    | -     |
| 23EE82C3002 | 2200                | 500                    | 2    | 1100           | 314    | 580                   | 141             | 320           | 1100       | 6700           | 189       | 97                | 256    | -     |
| 23EH23C3006 | 3000                | 500                    | 3    | 1100           | 335,5  | 750                   | 185             | 430           | 1100       | 7400           | 197       | 99                | 400    | -     |
| 23EH23C3002 | 3000                | 500                    | 3    | 1150           | 335,5  | 750                   | 185             | 430           | 1150       | 7400           | 197       | 100               | 406    | -     |
| 23EH23C3003 | 3000                | 500                    | 3    | 1270           | 335,5  | 750                   | 185             | 430           | 1270       | 7400           | 197       | 101               | 416    | -     |
| 23EHS3C3001 | 3400                | 500                    | 3    | 1150           | 335,5  | 750                   | 185             | 430           | 1150       | 12300          | 197       | 100               | 406    | -     |
| 23EHS3C3002 | 3400                | 500                    | 3    | 1270           | 335,5  | 750                   | 185             | 430           | 1270       | 12300          | 197       | 101               | 416    | -     |
| 23EK63C3001 | 4200                | 500                    | 3    | 1270           | 335,5  | 750                   | 185             | 430           | 1270       | 12300          | 197       | 101               | 416    | -     |
| 23EK63C3002 | 4200                | 500                    | 3    | 1660           | 335,5  | 750                   | 185             | 430           | 1660       | 12300          | 197       | 106               | 436    | -     |
| 23EL83C3001 | 4800                | 500                    | 3*   | 1270           | 335,5  | 750                   | 185             | 430           | 1270       | 12300          | 197       | 101               | 416    | -     |
| 23EL83C3002 | 4800                | 500                    | 3*   | 1660           | 335,5  | 750                   | 185             | 430           | 1660       | 12300          | 197       | 106               | 436    | -     |
| 23ELM4C3001 | 5000                | 600                    | 4    | 1600           | 305,5  | 1060                  | 235             | 560           | 1600       | 13000          | 227       | 117               | 734    | -     |
| 23END4C3001 | 5500                | 600                    | 4    | 1800           | 305,5  | 1060                  | 235             | 560           | 1800       | 14100          | 227       | 120               | 760    | -     |
| 23EQ54C3001 | 7000                | 600                    | 4    | 2000           | 287    | 1050                  | 262             | 560           | 2000       | 16200          | 276       | 140               | 950    | -     |
| 23ER04C3002 | 8000                | 600                    | 4    | 2000           | 287    | 1050                  | 262             | 560           | 2000       | 24200          | 276       | 140               | 950    | -     |

| Accessories on request                                               | € |
|----------------------------------------------------------------------|---|
| SLI - Sideshifting Valve (requires an additional hydraulic function) | - |

|   | ISO (L/min)     | 2  | 3      | 4  |
|---|-----------------|----|--------|----|
| ↔ | Opening/Closing | 25 | 25/30* | 30 |
| ↻ | Rotation        | 35 | 35     | 35 |

Hydraulic Functions: 2  
Max working pressure: 175 Bar

30I RFI SLS 360° Rotator with Integral Fork Positioner and Integral Sideshift



FEATURES

SPECIAL EQUIPMENT

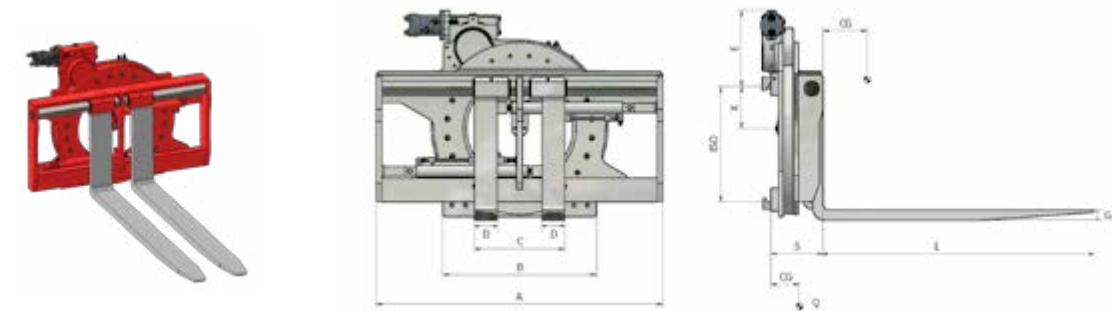
- Continuous rotation of 360° in both directions. • Distance between forks hydraulically adjustable. • Suitable for loads of different sizes. • Recommended use of forks with reinforced lower hooks.
- Special widths and/or strokes. • Forks. • Load Backrest. • Special versions for Agriculture, Fish Industry and Foundries.

| Article     | Attachment Capacity | Load Centre of Gravity | ISO  | Carriage Width | Height | Minimum Fork Carriage | Rotation Centre | Opening Range |            | Torque         | Stroke | Thickness | Centre of Gravity | Weight | Price |
|-------------|---------------------|------------------------|------|----------------|--------|-----------------------|-----------------|---------------|------------|----------------|--------|-----------|-------------------|--------|-------|
| Nº          | P (Kg)              | CC (mm)                | 2328 | A (mm)         | E (mm) | B (mm)                | X (mm)          | C Min (mm)    | C Max (mm) | Nm P (100 bar) | T (mm) | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 23EC42C4001 | 1600                | 500                    | 2    | 900            | 314    | 700                   | 141             | 320           | 900        | 6700           | ± 100  | 212       | 109               | 279    | -     |
| 23EC42C4002 | 1600                | 500                    | 2    | 1000           | 314    | 700                   | 141             | 320           | 1000       | 6700           | ± 100  | 212       | 110               | 289    | -     |
| 23EE82C4010 | 2200                | 500                    | 2    | 1000           | 314    | 700                   | 141             | 320           | 1000       | 6700           | ± 100  | 212       | 110               | 289    | -     |
| 23EE82C4002 | 2200                | 500                    | 2    | 1100           | 314    | 700                   | 141             | 320           | 1100       | 6700           | ± 100  | 212       | 111               | 299    | -     |
| 23EH23C4006 | 3000                | 500                    | 3    | 1100           | 335,5  | 900                   | 185             | 430           | 1100       | 7400           | ± 100  | 237       | 126               | 437    | -     |
| 23EH23C4002 | 3000                | 500                    | 3    | 1150           | 335,5  | 900                   | 185             | 430           | 1150       | 7400           | ± 100  | 237       | 127               | 443    | -     |
| 23EH23C4003 | 3000                | 500                    | 3    | 1270           | 335,5  | 900                   | 185             | 430           | 1270       | 7400           | ± 100  | 237       | 128               | 453    | -     |
| 23EHS3C4001 | 3400                | 500                    | 3    | 1150           | 335,5  | 900                   | 185             | 430           | 1150       | 12300          | ± 100  | 237       | 127               | 443    | -     |
| 23EHS3C4002 | 3400                | 500                    | 3    | 1270           | 335,5  | 900                   | 185             | 430           | 1270       | 12300          | ± 100  | 237       | 128               | 453    | -     |
| 23EK63C4001 | 4200                | 500                    | 3    | 1270           | 335,5  | 900                   | 185             | 430           | 1270       | 12300          | ± 100  | 237       | 128               | 453    | -     |
| 23EK63C4002 | 4200                | 500                    | 3    | 1660           | 335,5  | 900                   | 185             | 430           | 1660       | 12300          | ± 100  | 237       | 133               | 473    | -     |
| 23EL83C4001 | 4800                | 500                    | 3*   | 1270           | 335,5  | 900                   | 185             | 430           | 1270       | 12300          | ± 100  | 237       | 128               | 453    | -     |
| 23EL83C4002 | 4800                | 500                    | 3*   | 1660           | 335,5  | 900                   | 185             | 430           | 1660       | 12300          | ± 100  | 237       | 133               | 473    | -     |
| 23ELM4C4001 | 5000                | 600                    | 4    | 1600           | 305,5  | 960                   | 235             | 560           | 1600       | 13000          | ± 100  | 288       | 167               | 771    | -     |
| 23END4C4001 | 5500                | 600                    | 4    | 1800           | 305,5  | 960                   | 235             | 560           | 1800       | 14100          | ± 100  | 288       | 170               | 797    | -     |
| 23EQ54C4001 | 7000                | 600                    | 4    | 2000           | 287    | 1300                  | 262             | 560           | 2000       | 16200          | ± 150  | 337       | 192               | 985    | -     |
| 23ER04C4002 | 8000                | 600                    | 4    | 2000           | 287    | 1300                  | 262             | 560           | 2000       | 24200          | ± 150  | 337       | 192               | 985    | -     |

|   | ISO (L/min)     | 2  | 3      | 4  |
|---|-----------------|----|--------|----|
| ↔ | Shifting        | 10 | 15     | 18 |
| ↔ | Opening/Closing | 25 | 25/30* | 30 |
| ↻ | Rotation        | 35 | 35     | 35 |

Hydraulic Functions: 3  
Max working pressure: 175 Bar

30I PPT 360° Rotator with Integral Fork Positioner and Pin-Type Forks



FEATURES

- Continuous rotation of 360° in both directions.
- Suitable for loads of different sizes.
- Recommended use of forks with reinforced lower hooks.

SPECIAL EQUIPMENT

- Special widths and/or strokes.
- Custom made Forks.
- Load Back-rest.
- Special versions for Agriculture, Fish Industry and Foundries.

| Article     | Attachment Capacity | Load Centre of Gravity | ISO  | Carriage Width | Height | Minimum Fork Carriage | Rotation Centre | Opening Range |            | Forks       | Torque         | Thickness | Centre of Gravity | Weight | Price |
|-------------|---------------------|------------------------|------|----------------|--------|-----------------------|-----------------|---------------|------------|-------------|----------------|-----------|-------------------|--------|-------|
| Nº          | P (Kg)              | CC (mm)                | 2328 | A (mm)         | E (mm) | B (mm)                | X (mm)          | C Min (mm)    | C Max (mm) | DxGxL (mm)  | Nm P (100 bar) | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 23EC42A3003 | 1600                | 500                    | 2a   | 1000           | 314    | 580                   | 141             | 360           | 930        | 100x40x1200 | 6700           | 224       | 246               | 360    | -     |
| 23EE82A3001 | 2200                | 500                    | 2a   | 1100           | 314    | 580                   | 141             | 360           | 1030       | 100x40x1200 | 6700           | 224       | 244               | 375    | -     |
| 23EH23A3005 | 3000                | 500                    | 3a   | 1150           | 335,5  | 750                   | 185             | 400           | 1080       | 120x45x1200 | 7400           | 232       | 223               | 500    | -     |
| 23EHS3A3008 | 3400                | 500                    | 3a   | 1270           | 335,5  | 750                   | 185             | 400           | 1200       | 120x45x1200 | 12300          | 232       | 220               | 506    | -     |
| 23EK63A3009 | 4200                | 500                    | 3a   | 1350           | 335,5  | 750                   | 185             | 400           | 1280       | 150x50x1200 | 12300          | 237       | 251               | 550    | -     |
| 23EL83A3008 | 4800                | 500                    | 3a   | 1660           | 335,5  | 750                   | 185             | 400           | 1590       | 150x50x1200 | 12300          | 237       | 247               | 567    | -     |
| 23ELM3A3002 | 5000                | 600                    | 3a   | 1350           | 305,5  | 920                   | 185             | 550           | 1260       | 150x60x1200 | 13000          | 289       | 238               | 920    | -     |
| 23ELM4A3005 | 5000                | 600                    | 4a   | 1600           | 305,5  | 1060                  | 262             | 550           | 1510       | 150x60x1200 | 13000          | 285       | 226               | 971    | -     |
| 23END4A3004 | 5500                | 600                    | 4a   | 1800           | 305,5  | 1060                  | 262             | 550           | 1710       | 150x60x1200 | 14100          | 285       | 210               | 1100   | -     |
| 23EQ54A3004 | 7000                | 600                    | 4a   | 2000           | 287    | 1050                  | 262             | 550           | 1910       | 150x60x1200 | 16200          | 316       | 240               | 1170   | -     |
| 23ER04A3002 | 8000                | 600                    | 4a   | 2000           | 287    | 1050                  | 262             | 550           | 1910       | 200x60x1200 | 24200          | 316       | 260               | 1250   | -     |

Accessories on request

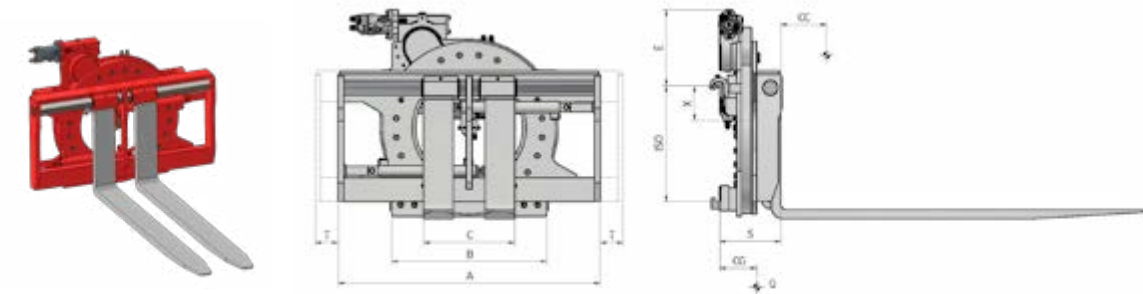
SLI - Sideshifting Valve (requires an additional hydraulic function)

| ISO (L/min)     | 2  | 3  | 4  |
|-----------------|----|----|----|
| Opening/Closing | 25 | 25 | 30 |
| Rotation        | 35 | 35 | 35 |

Hydraulic Functions: 2  
Max working pressure: 175 Bar

Accessories page 61

30I PPT SLS 360° Rotator with Integral Fork Positioner, Pin-Type Forks and Integral Sideshift



FEATURES

- Continuous rotation of 360° in both directions.
- Suitable for loads of different sizes.
- Recommended use of forks with reinforced lower hooks.

SPECIAL EQUIPMENT

- Special widths and/or strokes.
- Custom made Forks.
- Load Back-rest.
- Special versions for Agriculture, Fish Industry and Foundries.

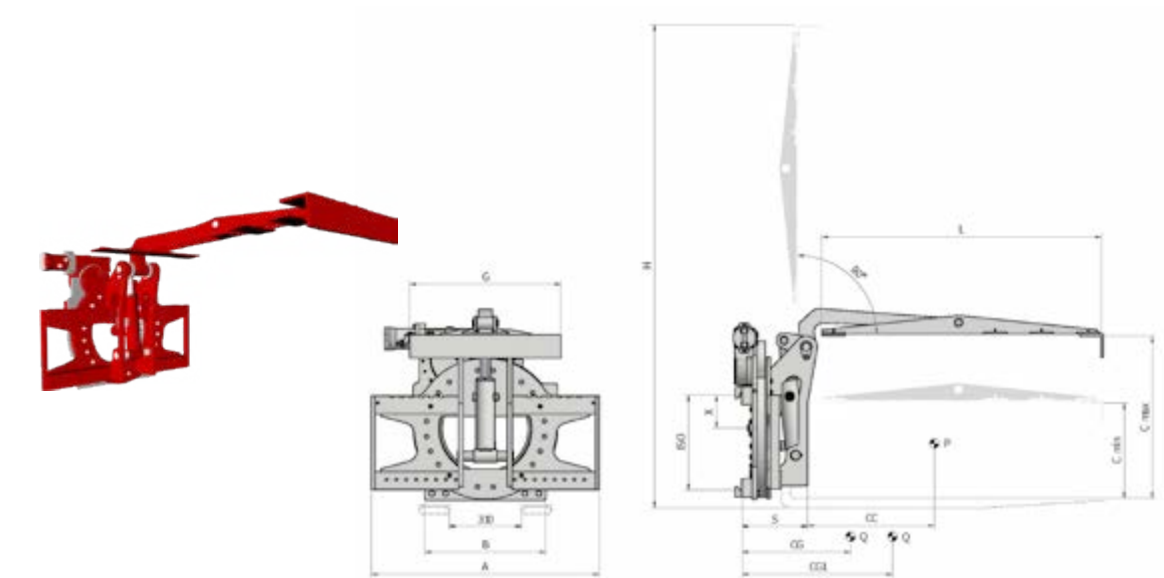
| Article     | Attachment Capacity | Load Centre of Gravity | ISO  | Carriage Width | Height | Minimum Fork Carriage | Rotation Centre | Opening Range |            | Forks       | Torque         | Stroke | Thickness | Centre of Gravity | Weight | Price |
|-------------|---------------------|------------------------|------|----------------|--------|-----------------------|-----------------|---------------|------------|-------------|----------------|--------|-----------|-------------------|--------|-------|
| Nº          | P (Kg)              | CC (mm)                | 2328 | A (mm)         | E (mm) | B (mm)                | X (mm)          | C Min (mm)    | C Max (mm) | DxGxL (mm)  | Nm P (100 bar) | T (mm) | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 23EC42A4003 | 1600                | 500                    | 2a   | 1000           | 314    | 700                   | 141             | 360           | 930        | 100x40x1200 | 6700           | ± 100  | 246,5     | 254               | 380    | -     |
| 23EE82A4001 | 2200                | 500                    | 2a   | 1100           | 314    | 700                   | 141             | 360           | 1030       | 100x40x1200 | 6700           | ± 100  | 246,5     | 252               | 395    | -     |
| 23EH23A4005 | 3000                | 500                    | 3a   | 1150           | 335,5  | 900                   | 185             | 400           | 1080       | 120x45x1200 | 7400           | ± 100  | 266,5     | 240               | 543    | -     |
| 23EHS3A4008 | 3400                | 500                    | 3a   | 1270           | 335,5  | 900                   | 185             | 400           | 1200       | 120x45x1200 | 12300          | ± 100  | 266,5     | 237               | 549    | -     |
| 23EK63A4009 | 4200                | 500                    | 3a   | 1350           | 335,5  | 900                   | 185             | 400           | 1280       | 150x50x1200 | 12300          | ± 100  | 271,5     | 271               | 593    | -     |
| 23EL83A4008 | 4800                | 500                    | 3a   | 1660           | 335,5  | 900                   | 185             | 400           | 1590       | 150x50x1200 | 12300          | ± 100  | 271,5     | 267               | 610    | -     |
| 23ELM3A4002 | 5000                | 600                    | 3a   | 1350           | 305,5  | 960                   | 185             | 550           | 1260       | 150x60x1200 | 13000          | ± 100  | 364       | 270               | 950    | -     |
| 23ELM4A4005 | 5000                | 600                    | 4a   | 1600           | 305,5  | 960                   | 262             | 550           | 1510       | 150x60x1200 | 13000          | ± 100  | 343,5     | 274               | 1026   | -     |
| 23END4A4004 | 5500                | 600                    | 4a   | 1800           | 305,5  | 960                   | 262             | 550           | 1710       | 150x60x1200 | 14100          | ± 100  | 343,5     | 262               | 1150   | -     |
| 23EQ54A4004 | 7000                | 600                    | 4a   | 2000           | 287    | 1300                  | 262             | 550           | 1910       | 150x60x1200 | 16200          | ± 150  | 386,5     | 270               | 1320   | -     |
| 23ER04A4002 | 8000                | 600                    | 4a   | 2000           | 287    | 1300                  | 262             | 550           | 1910       | 200x60x1200 | 24200          | ± 150  | 386,5     | 293               | 1400   | -     |

| ISO (L/min)     | 2  | 3  | 4  |
|-----------------|----|----|----|
| Shifting        | 10 | 15 | 18 |
| Opening/Closing | 25 | 25 | 30 |
| Rotation        | 35 | 35 | 35 |

Hydraulic Functions: 3  
Max working pressure: 175 Bar

Accessories page 61

213 360° Box Rotator with upper restraint arm



FEATURES

SPECIAL EQUIPMENT

- Suitable for emptying boxes (bins) in any use (scrap, recycling, agricultural sector).
  - Special box blocking system that can be actuated during rotation.
- Special widths and/or strokes.
  - Forks.
  - Hooks with custom made strokes and dimensions.
  - Load Backrest.

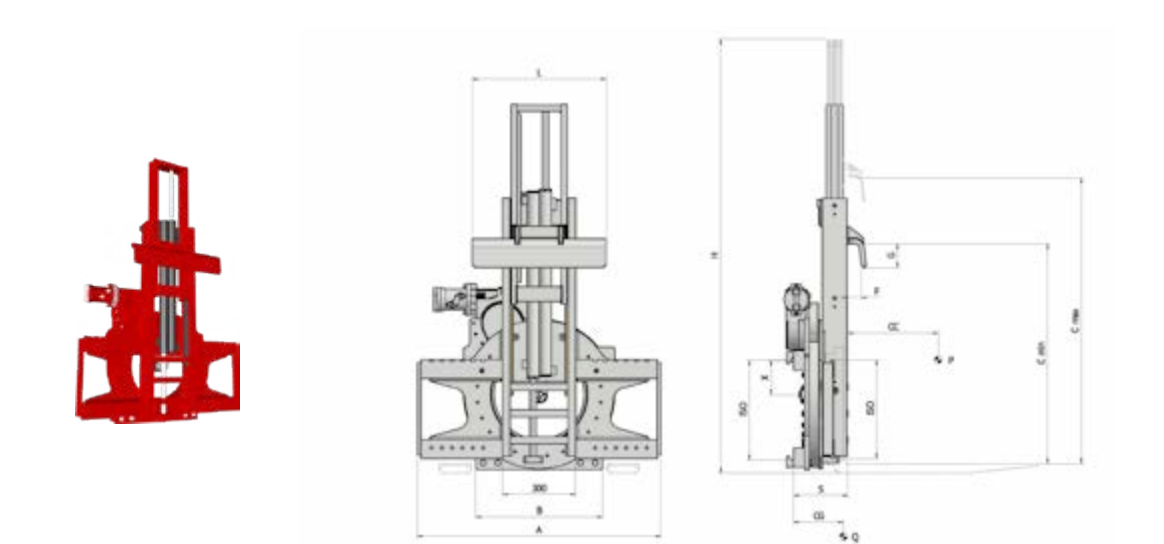
| Article     | Closed Attachment Capacity | Load Centre of Gravity | ISO  | Carriage Width | Height | Minimum Fork Carriage | Rotation Centre | Box h from the Forks Level |            | Plate Dimension | Thickness | Centre of Gravity | Centre of Gravity | Weight | Price |
|-------------|----------------------------|------------------------|------|----------------|--------|-----------------------|-----------------|----------------------------|------------|-----------------|-----------|-------------------|-------------------|--------|-------|
| Nº          | P (Kg)                     | CC (mm)                | 2328 | A (mm)         | H (mm) | B (mm)                | X (mm)          | C Min (mm)                 | C Max (mm) | GxL (mm)        | S (mm)    | CG (mm)           | CG1 (mm)          | Q (Kg) | €     |
| 25A342A0006 | 2500                       | 500                    | 2    | 980            | 1945   | 500                   | 141             | 360                        | 680        | 650x1175        | 320       | 175               | 245               | 275    | -     |

|                                                                           |         |
|---------------------------------------------------------------------------|---------|
| Accessories on request                                                    | €       |
| SLS - Semi-Integral Sideshift (requires an additional hydraulic function) | ISO 2 - |

| ISO (L/min)              | 2  |
|--------------------------|----|
| Rotation                 | 25 |
| Vertical Opening/Closing | 25 |

Hydraulic Functions: 2  
Max working pressure: 175 Bar

219 360° Box Rotator with L-shaped arm



FEATURES

SPECIAL EQUIPMENT

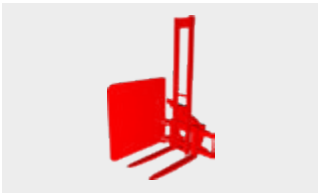
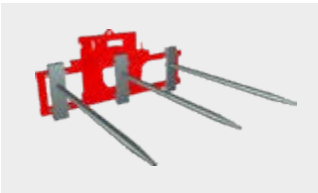
- Suitable for emptying boxes (big drawers) in any use (scrap, recycling, agricultural sector).
  - Special box blocking system that can be actuated during rotation.
- Special widths and/or strokes.
  - Forks.
  - Hooks with custom made strokes and dimensions.
  - Load Backrest.

| Article     | Attachment Capacity | Load Centre of Gravity | ISO  | Carriage Width | Height | Minimum Fork Carriage | Rotation Centre | Box h from the Forks Level |            | Hook Dimension | Thickness | Centre of Gravity | Weight | Price |
|-------------|---------------------|------------------------|------|----------------|--------|-----------------------|-----------------|----------------------------|------------|----------------|-----------|-------------------|--------|-------|
| Nº          | P (Kg)              | CC (mm)                | 2328 | A (mm)         | H (mm) | B (mm)                | X (mm)          | C Min (mm)                 | C Max (mm) | FxGxL (mm)     | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 25C342A0013 | 2200                | 500                    | 2    | 1000           | 1300   | 500                   | 141             | 300                        | 1000       | 55x100x500     | 225       | 118               | 310    | -     |
| 25C342A0020 | 2200                | 500                    | 2    | 1100           | 1300   | 500                   | 141             | 300                        | 1000       | 60x60x600      | 225       | 119               | 320    | -     |
| 25C3Q3A0004 | 3000                | 500                    | 3    | 1150           | 2100   | 750                   | 185             | 300                        | 1400       | 70x100x300     | 225       | 110               | 445    | -     |

|                                                                           |                    |
|---------------------------------------------------------------------------|--------------------|
| Accessories on request                                                    | €                  |
| SLS - Semi-Integral Sideshift (requires an additional hydraulic function) | ISO 2 -<br>ISO 3 - |

| ISO (L/min)              | 2  | 3  |
|--------------------------|----|----|
| Rotation                 | 25 | 25 |
| Vertical Opening/Closing | 25 | 25 |

Hydraulic Functions: 2  
Max working pressure: 175 Bar



| Accessories on request                                                           | €     |   |
|----------------------------------------------------------------------------------|-------|---|
| Hoses and Fitting Kit (for each hydraulic function)                              | -     |   |
| Hoses and quick-release Couplings Kit (for each hydraulic function)              | -     |   |
| Pressure Gauge                                                                   | -     |   |
| Bronze Wear Pads                                                                 | -     |   |
| Quick-release Hooks                                                              | -     |   |
| Drilling for Load Backrest                                                       | -     |   |
| Solenoid valve two functions with Electric Kit (specify voltage)                 | -     |   |
| Pressure Relief Valve                                                            | -     |   |
| Check valve for barrel grabbing                                                  | -     |   |
| Automatic Greasing System for Semi-Integral Sideshift                            | -     |   |
| Mechanical block of the rotation                                                 | -     |   |
| Side resistant arm (1000 mm)                                                     | ISO 2 | - |
|                                                                                  | ISO 3 | - |
| Motor protection<br>(mandatory in case of choice of special equipment)           | ISO 2 | - |
|                                                                                  | ISO 3 | - |
|                                                                                  | ISO 4 | - |
|                                                                                  | ISO 5 | - |
|                                                                                  | ISO 2 | - |
| Closing of the central opening                                                   | ISO 3 | - |
|                                                                                  | ISO 4 | - |
|                                                                                  | ISO 5 | - |
|                                                                                  | ISO 2 | - |
| Centralized greasing with high temperature resistant greases                     | ISO 3 | - |
|                                                                                  | ISO 4 | - |
|                                                                                  | ISO 5 | - |
|                                                                                  | ISO 2 | - |
| Special equipment                                                                | €     |   |
| Foundry version (heat shield on the crown)                                       | ISO 2 | - |
|                                                                                  | ISO 3 | - |
|                                                                                  | ISO 4 | - |
|                                                                                  | ISO 5 | - |
|                                                                                  | ISO 2 | - |
| Fish Industry version<br>(heat shield on the crown and anti-corrosion treatment) | ISO 3 | - |
|                                                                                  | ISO 4 | - |
|                                                                                  | ISO 5 | - |
|                                                                                  | ISO 2 | - |

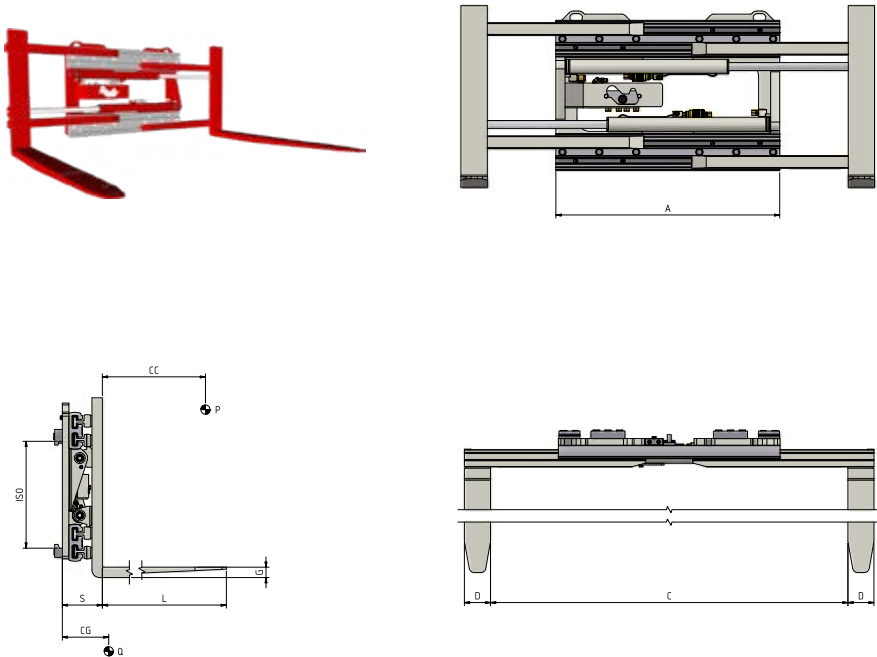


# 06

## CLAMPS

|                                                                      |           |
|----------------------------------------------------------------------|-----------|
| <b>474.170</b><br>Fork Clamp                                         | <b>64</b> |
| <b>474.150</b><br>Clamp with rotating Forks                          | <b>66</b> |
| <b>474.131</b><br>Bale Clamp with thin blades                        | <b>68</b> |
| <b>116.131</b><br>Bale Clamp with thin blades                        | <b>70</b> |
| <b>474.130</b><br>Bale Clamp with wavy edged arms                    | <b>72</b> |
| <b>116.130</b><br>Bale Clamp with wavy edged arms                    | <b>74</b> |
| <b>474.137</b><br>Clamp with rubber covered arms                     | <b>76</b> |
| <b>474.195</b><br>Foam Clamp                                         | <b>77</b> |
| <b>474.12.180</b><br>Box and Appliances Clamp with two pivoting arms | <b>78</b> |
| <b>474.24.180</b><br>Box and Appliances Clamp with two pivoting arms | <b>79</b> |
| <b>474.181</b><br>Box and Appliances Clamp with fixed arms           | <b>80</b> |
| <b>474.141</b><br>Block Clamp with compensating arms                 | <b>81</b> |
| <b>474.160</b><br>Drum Clamp for one or two Drums                    | <b>82</b> |
| <b>474.190</b><br>Drum Clamp for two or four Drums                   | <b>83</b> |
| <br>4-Point Clamping Force Tester                                    | <b>84</b> |
| <br><b>AUTOMATA</b> Logic System - Appliances Clamp                  | <b>86</b> |
| <br>Accessories                                                      | <b>87</b> |

474.I70 Fork Clamp



FEATURES

- Pallet handling/clamping loads.
- Adjustable clamping force with hydraulic valve.
- Pressure Relief Valve.
- Non-return Valve.
- Regenerative Valve.

|  | ISO (L/min) | 2  | 3  | 4  |
|------------------------------------------------------------------------------------|-------------|----|----|----|
| •  •                                                                               | Clamping    | 20 | 25 | 30 |

Accessories page 87

SPECIAL EQUIPMENT

- Custom made widths/openings.
- Custom made Forks.
- Load Back-rest.
- Flat slip-on arms/Slip-on arms for drums/Slip-on arms with 90° or 180° hydraulic rotation.
- Sideshifting Valve or Semi-Integral Sideshift.

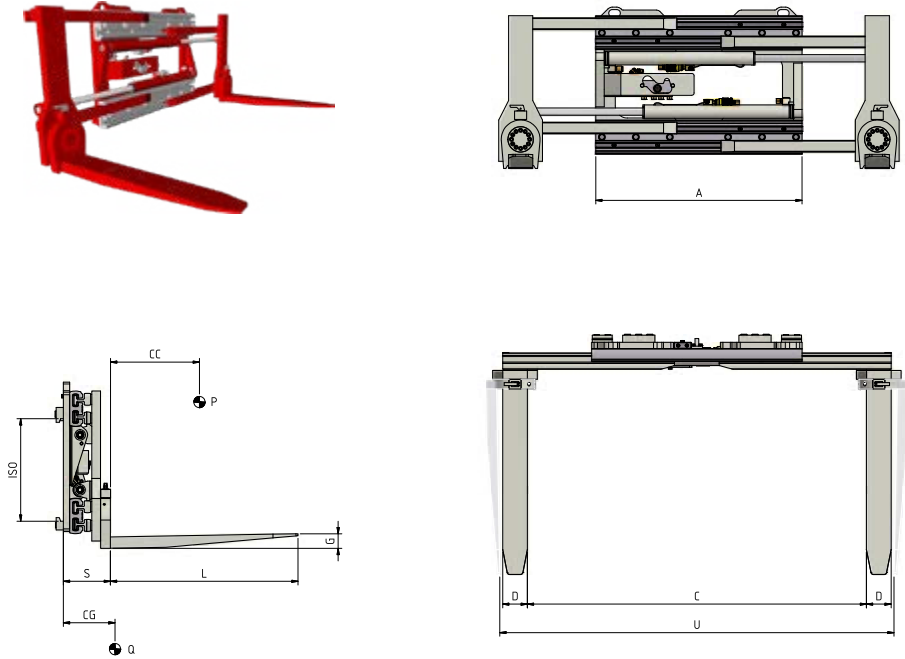
Hydraulic Functions: 1  
Max working pressure: 175 Bar

| Article        | Clamping Capacity | Capacity on Forks | Load Centre of Gravity | ISO  | Frame Width | Opening Range Between Forks |            | Forks       | Thickness | Centre of Gravity | Weight | Price |
|----------------|-------------------|-------------------|------------------------|------|-------------|-----------------------------|------------|-------------|-----------|-------------------|--------|-------|
| Nº             | PS (Kg)           | PF (Kg)           | CC (mm)                | 2328 | A (mm)      | C Min (mm)                  | C Max (mm) | DxGxL (mm)  | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 11L03AQ2A0004* | 1200              | 1400              | 500                    | 2a   | 850         | 340                         | 1380       | 100x40x1200 | 149       | 191               | 250    | -     |
| 11L03AQ2A0013  | 1200              | 1400              | 500                    | 2a   | 950         | 440                         | 1680       | 100x40x1200 | 149       | 194               | 252    | -     |
| 11L03AQ2A0007  | 1200              | 1400              | 500                    | 2a   | 1050        | 540                         | 1980       | 100x40x1200 | 149       | 188               | 261    | -     |
| 11L03BE2A0018* | 1400              | 1900              | 500                    | 2a   | 950         | 360                         | 1510       | 100x40x1200 | 182       | 188               | 350    | -     |
| 11L03BE2A0019  | 1400              | 1900              | 500                    | 2a   | 1050        | 460                         | 1810       | 100x40x1200 | 182       | 185               | 365    | -     |
| 11L03BE2A0026  | 1400              | 1900              | 500                    | 2a   | 1150        | 560                         | 2110       | 100x40x1200 | 182       | 182               | 381    | -     |
| 11L03BE2A0027  | 1400              | 1900              | 500                    | 2a   | 1250        | 460                         | 2010       | 100x40x1200 | 182       | 181               | 386    | -     |
| 11L03CG2A0006* | 1700              | 2100              | 500                    | 2a   | 950         | 360                         | 1510       | 100x40x1200 | 182       | 188               | 350    | -     |
| 11L03CG2A0009  | 1700              | 2100              | 500                    | 2a   | 1050        | 460                         | 1810       | 100x40x1200 | 182       | 185               | 365    | -     |
| 11L03D62A0023* | 1900              | 2400              | 500                    | 2a   | 1050        | 330                         | 1580       | 120x45x1200 | 187       | 202               | 390    | -     |
| 11L03D62A0034  | 1900              | 2400              | 500                    | 2a   | 1150        | 430                         | 1880       | 120x45x1200 | 187       | 199               | 409    | -     |
| 11L03D62A0035  | 1900              | 2400              | 500                    | 2a   | 1250        | 530                         | 2180       | 120x45x1200 | 187       | 195               | 425    | -     |
| 11L03D62A0036  | 1900              | 2400              | 500                    | 2a   | 1350        | 630                         | 2480       | 120x45x1200 | 187       | 192               | 441    | -     |
| 11L03EY3A0012* | 2400              | 2900              | 500                    | 3a   | 1050        | 330                         | 1580       | 120x45x1200 | 187       | 202               | 420    | -     |
| 11L03EY3A0021  | 2400              | 2900              | 500                    | 3a   | 1150        | 430                         | 1880       | 120x45x1200 | 187       | 199               | 409    | -     |
| 11L03G03A0022  | 2700              | 3600              | 500                    | 3a   | 1100        | 470                         | 1840       | 120x50x1200 | 215       | 208               | 550    | -     |
| 11L03G03A0023* | 2700              | 3600              | 500                    | 3a   | 1200        | 320                         | 1640       | 120x50x1200 | 215       | 204               | 514    | -     |
| 11L03G03A0019  | 2700              | 3600              | 500                    | 3a   | 1300        | 470                         | 2040       | 120x50x1200 | 215       | 202               | 539    | -     |
| 11L03HY3A0014  | 3500              | 4500              | 500                    | 3a   | 1200        | 350                         | 1760       | 150x50x1200 | 225       | 216               | 580    | -     |
| 11L03HY3A0015  | 3500              | 4500              | 500                    | 3a   | 1300        | 450                         | 2060       | 150x50x1200 | 225       | 215               | 606    | -     |
| 11L03HY3A0016  | 3500              | 4500              | 500                    | 3a   | 1400        | 550                         | 2360       | 150x50x1200 | 225       | 213               | 632    | -     |
| 11L03KQ3A0001* | 4500              | 5000              | 500                    | 3a   | 1400        | 260                         | 1790       | 150x60x1200 | 240       | 194               | 695    | -     |
| 11L03KQ3A0002* | 4500              | 5000              | 500                    | 3a   | 1600        | 260                         | 1990       | 150x60x1200 | 240       | 196               | 800    | -     |
| 11L03LM4A0001* | 5000              | 6000              | 600                    | 4a   | 1500        | 260                         | 1890       | 150x65x1200 | 245       | 205               | 740    | -     |
| 11L03LM4A0002* | 5000              | 6000              | 600                    | 4a   | 1700        | 260                         | 2090       | 150x65x1200 | 245       | 210               | 755    | -     |
| 11L03ND4A0001* | 6000              | 7000              | 600                    | 4a   | 1500        | 260                         | 1890       | 150x70x1200 | 265       | 220               | 855    | -     |
| 11L03ND4A0002* | 6000              | 7000              | 600                    | 4a   | 1700        | 260                         | 2090       | 150x70x1200 | 265       | 225               | 875    | -     |
| 11L03Q54A0001* | 7000              | 8000              | 600                    | 4a   | 1750        | 160                         | 2040       | 200x70x1200 | 280       | 240               | 1010   | -     |
| 11L03Q54A0002* | 7000              | 8000              | 600                    | 4a   | 2000        | 160                         | 2280       | 200x70x1200 | 280       | 260               | 1040   | -     |

\* Europallet handling models

| Accessories on request                                                    | €       |
|---------------------------------------------------------------------------|---------|
| SLI - Sideshifting Valve (requires an additional hydraulic function)      | -       |
| SLS - Semi-Integral Sideshift (requires an additional hydraulic function) | -       |
|                                                                           | ISO 2 - |
|                                                                           | ISO 3 - |
|                                                                           | ISO 4 - |
| Bolt-on Forks                                                             | ISO 2 - |
|                                                                           | ISO 3 - |
|                                                                           | ISO 4 - |

474.ISO Clamp with rotating Forks



- FEATURES**

  - Pallet handling/clamping loads.
  - Adjustable clamping force with hydraulic valve.
  - Pressure Relief Valve.
  - Non-return Valve.
  - Regenerative Valve.
  - Manual Fork rotation or by means of cylinders actuated by a hydraulic function of the Forklift.
- SPECIAL EQUIPMENT**

  - Custom made widths/openings.
  - Custom made Forks.
  - Load Back-rest.
  - Sideshifting Valve or Semi-Integral Sideshift.

|                                                                                   |             |    |    |
|-----------------------------------------------------------------------------------|-------------|----|----|
|  | ISO (L/min) | 2  | 3  |
| •  •                                                                              | Clamping    | 20 | 25 |

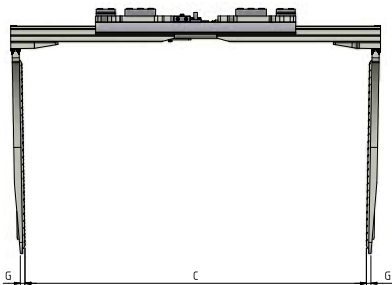
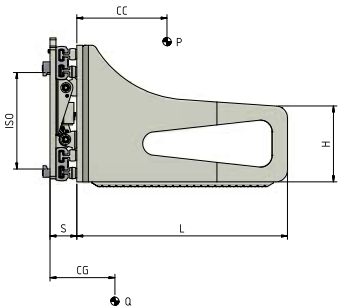
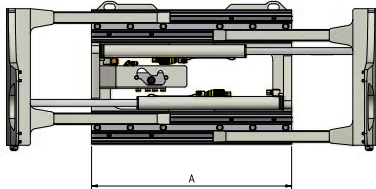
Hydraulic Functions: 1  
Max working pressure: 175 Bar

| Article        | Clamping Capacity | Capacity on Forks | Load Centre of Gravity | ISO  | Frame Width | Opening Range Between Forks |            | Opening Range Between 90° Rotated Forks |            | Forks       | Thickness | Centre of Gravity | Weight | Price |
|----------------|-------------------|-------------------|------------------------|------|-------------|-----------------------------|------------|-----------------------------------------|------------|-------------|-----------|-------------------|--------|-------|
| Nº             | PS (Kg)           | PF (Kg)           | CC (mm)                | 2328 | A (mm)      | C Min (mm)                  | C Max (mm) | U Min (mm)                              | U Max (mm) | DxGxL (mm)  | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 11L05AQ2A0001* | 1200              | 1400              | 500                    | 2a   | 850         | 340                         | 1380       | 590                                     | 1630       | 100x45x1000 | 191       | 198               | 273    | -     |
| 11L05AQ2A0002  | 1200              | 1400              | 500                    | 2a   | 950         | 440                         | 1680       | 690                                     | 1930       | 100x45x1000 | 191       | 196               | 282    | -     |
| 11L05AQ2A0003  | 1200              | 1400              | 500                    | 2a   | 1050        | 540                         | 1980       | 790                                     | 2230       | 100x45x1000 | 191       | 194               | 291    | -     |
| 11L05AQ2A0004* | 1200              | 1400              | 500                    | 2a   | 1050        | 240                         | 1380       | 490                                     | 1630       | 100x45x1000 | 191       | 199               | 288    | -     |
| 11L05BE2A0011* | 1400              | 1900              | 500                    | 2a   | 950         | 310                         | 1430       | 605                                     | 1725       | 120x50x1000 | 227       | 243               | 397    | -     |
| 11L05BE2A0012* | 1400              | 1900              | 500                    | 2a   | 1050        | 310                         | 1530       | 605                                     | 1825       | 120x50x1000 | 227       | 238               | 413    | -     |
| 11L05BE2A0020  | 1400              | 1900              | 500                    | 2a   | 1150        | 540                         | 2090       | 835                                     | 2385       | 120x50x1000 | 227       | 234               | 429    | -     |
| 11L05BE2A0021  | 1400              | 1900              | 500                    | 2a   | 1250        | 440                         | 1990       | 735                                     | 2285       | 120x50x1000 | 227       | 233               | 434    | -     |
| 11L05CG2A0009* | 1700              | 2100              | 500                    | 2a   | 950         | 310                         | 1430       | 605                                     | 1725       | 120x50x1000 | 227       | 243               | 397    | -     |
| 11L05CG2A0012* | 1700              | 2100              | 500                    | 2a   | 1050        | 310                         | 1530       | 605                                     | 1825       | 120x50x1000 | 227       | 238               | 413    | -     |
| 11L05CG2A0013* | 1700              | 2100              | 500                    | 2a   | 1050        | 240                         | 1390       | 535                                     | 1685       | 120x50x1000 | 227       | 237               | 405    | -     |
| 11L05D62A0001* | 1900              | 2400              | 500                    | 2a   | 1050        | 250                         | 1450       | 590                                     | 1790       | 150x50x1000 | 227       | 220               | 430    | -     |
| 11L05D62A0002  | 1900              | 2400              | 500                    | 2a   | 1150        | 400                         | 1850       | 740                                     | 2190       | 150x50x1000 | 227       | 216               | 445    | -     |
| 11L05D62A0003* | 1900              | 2400              | 500                    | 2a   | 1150        | 200                         | 1450       | 540                                     | 1790       | 150x50x1000 | 227       | 218               | 435    | -     |
| 11L05D62A0004  | 1900              | 2400              | 500                    | 2a   | 1250        | 500                         | 2150       | 840                                     | 2490       | 150x50x1000 | 227       | 213               | 461    | -     |
| 11L05D62A0005  | 1900              | 2400              | 500                    | 2a   | 1350        | 600                         | 2450       | 940                                     | 2790       | 150x50x1000 | 227       | 210               | 477    | -     |
| 11L05EY3A0001* | 2400              | 2900              | 500                    | 3a   | 1050        | 250                         | 1450       | 590                                     | 1790       | 150x50x1000 | 227       | 220               | 430    | -     |
| 11L05EY3A0002  | 2400              | 2900              | 500                    | 3a   | 1150        | 400                         | 1850       | 740                                     | 2190       | 150x50x1000 | 227       | 216               | 445    | -     |
| 11L05EY3A0003* | 2400              | 2900              | 500                    | 3a   | 1150        | 200                         | 1450       | 540                                     | 1790       | 150x50x1000 | 227       | 218               | 435    | -     |
| 11L05G03A0001  | 2700              | 3500              | 500                    | 3a   | 1100        | 430                         | 1800       | 790                                     | 2160       | 150x60x1000 | 274       | 236               | 578    | -     |
| 11L05G03A0002  | 2700              | 3500              | 500                    | 3a   | 1200        | 330                         | 1700       | 690                                     | 2060       | 150x60x1000 | 274       | 232               | 604    | -     |
| 11L05G03A0003  | 2700              | 3500              | 500                    | 3a   | 1300        | 430                         | 2000       | 790                                     | 2360       | 150x60x1000 | 274       | 230               | 622    | -     |
| 11L05G03A0004  | 2700              | 3500              | 500                    | 3a   | 1400        | 530                         | 2300       | 890                                     | 2660       | 150x60x1000 | 274       | 226               | 658    | -     |

\* Europallet handling models

| Accessories on request                                                    | €                  |
|---------------------------------------------------------------------------|--------------------|
| SLI - Sideshifting Valve (requires an additional hydraulic function)      | -                  |
| SLS - Semi-Integral Sideshift (requires an additional hydraulic function) | ISO 2 -<br>ISO 3 - |
| Rotation of hydraulically controlled forks                                | -                  |

474.131 Bale Clamp with thin blades



FEATURES

- Handling of Bales of any material (paper, carton, plastic, junk, other materials).
- Thin welded full penetration arms.
- Adjustable clamping force with hydraulic valve.
- Pressure Relief Valve.
- Non-return Valve.
- Regenerative Valve.

SPECIAL EQUIPMENT

- Custom made widths/openings.
- Custom made Blades.
- Load Backrest.
- Sideshifting Valve or Semi-Integral Sideshift.

|  | ISO (L/min) | 2  | 3  | 4  |
|-----------------------------------------------------------------------------------|-------------|----|----|----|
| •  •                                                                              | Clamping    | 20 | 25 | 30 |

Hydraulic Functions: 1  
Max working pressure: 175 Bar

| Article       | Attachment Capacity | Load Centre of Gravity | ISO  | Frame Width | Opening Range |            | Blades      | Thickness | Centre of Gravity | Weight | Price |
|---------------|---------------------|------------------------|------|-------------|---------------|------------|-------------|-----------|-------------------|--------|-------|
| Nº            | P (Kg)              | CC (mm)                | 2328 | A (mm)      | C Min (mm)    | C Max (mm) | GxHxL (mm)  | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 11L07AQ2A0002 | 1200                | 500                    | 2    | 850         | 420           | 1460       | 21x350x900  | 109       | 221               | 290    | -     |
| 11L07AQ2A0001 | 1200                | 500                    | 2    | 950         | 520           | 1760       | 21x350x900  | 109       | 216               | 310    | -     |
| 11L07AQ2A0003 | 1200                | 500                    | 2    | 1050        | 620           | 2060       | 21x350x900  | 109       | 212               | 320    | -     |
| 11L07BE2A0002 | 1400                | 500                    | 2    | 950         | 420           | 1570       | 21x400x1000 | 137       | 254               | 460    | -     |
| 11L07BE2A0003 | 1400                | 500                    | 2    | 1050        | 520           | 1870       | 21x400x1000 | 137       | 248               | 480    | -     |
| 11L07BE2A0004 | 1400                | 500                    | 2    | 1150        | 620           | 2170       | 21x400x1000 | 137       | 243               | 500    | -     |
| 11L07BE2A0005 | 1400                | 500                    | 2    | 1250        | 520           | 2070       | 21x400x1000 | 137       | 241               | 464    | -     |
| 11L07CG2A0001 | 1700                | 500                    | 2    | 950         | 420           | 1570       | 21x400x1000 | 137       | 254               | 450    | -     |
| 11L07CG2A0002 | 1700                | 500                    | 2    | 1050        | 520           | 1870       | 21x400x1000 | 137       | 248               | 460    | -     |
| 11L07D62A0003 | 1900                | 500                    | 2    | 1050        | 420           | 1670       | 23x400x1000 | 137       | 249               | 505    | -     |
| 11L07D62A0004 | 1900                | 500                    | 2    | 1150        | 520           | 1970       | 23x400x1000 | 137       | 244               | 510    | -     |
| 11L07D62A0005 | 1900                | 500                    | 2    | 1250        | 620           | 2270       | 23x400x1000 | 137       | 239               | 480    | -     |
| 11L07D62A0006 | 1900                | 500                    | 2    | 1350        | 720           | 2570       | 23x400x1000 | 137       | 235               | 510    | -     |
| 11L07EY3A0001 | 2400                | 500                    | 3    | 1050        | 420           | 1670       | 23x400x1000 | 137       | 249               | 520    | -     |
| 11L07EY3A0002 | 2400                | 500                    | 3    | 1150        | 520           | 1970       | 23x400x1000 | 137       | 244               | 540    | -     |
| 11L07G03A0001 | 2700                | 500                    | 3    | 1100        | 550           | 1920       | 26x400x1000 | 157       | 271               | 720    | -     |
| 11L07G03A0002 | 2700                | 500                    | 3    | 1100        | 530           | 1900       | 26x400x1200 | 157       | 329               | 750    | -     |
| 11L07G03A0003 | 2700                | 500                    | 3    | 1200        | 450           | 1820       | 26x400x1000 | 157       | 266               | 730    | -     |
| 11L07G03A0004 | 2700                | 500                    | 3    | 1200        | 430           | 1800       | 26x400x1200 | 157       | 322               | 815    | -     |
| 11L07G03A0005 | 2700                | 500                    | 3    | 1300        | 540           | 2110       | 26x400x1000 | 157       | 261               | 756    | -     |
| 11L07G03A0006 | 2700                | 500                    | 3    | 1300        | 530           | 2100       | 26x400x1200 | 157       | 316               | 810    | -     |
| 11L07G03A0007 | 2700                | 500                    | 3    | 1400        | 640           | 2410       | 26x400x1000 | 157       | 257               | 800    | -     |
| 11L07G03A0008 | 2700                | 500                    | 3    | 1400        | 630           | 2400       | 26x400x1200 | 157       | 311               | 828    | -     |
| 11L07HY3A0001 | 3500                | 500                    | 3    | 1200        | 470           | 1880       | 29x500x1200 | 167       | 366               | 910    | -     |
| 11L07HY3A0002 | 3500                | 500                    | 3    | 1200        | 460           | 1870       | 29x500x1500 | 167       | 452               | 965    | -     |
| 11L07HY3A0003 | 3500                | 500                    | 3    | 1300        | 570           | 2180       | 29x500x1200 | 167       | 360               | 958    | -     |
| 11L07HY3A0004 | 3500                | 500                    | 3    | 1300        | 560           | 2170       | 29x500x1500 | 167       | 445               | 1015   | -     |
| 11L07HY3A0005 | 3500                | 500                    | 3    | 1400        | 680           | 2490       | 29x500x1200 | 167       | 354               | 978    | -     |
| 11L07HY3A0006 | 3500                | 500                    | 3    | 1400        | 660           | 2470       | 29x500x1500 | 167       | 438               | 1035   | -     |
| 11L07KQ3A0012 | 4500                | 500                    | 3    | 1200        | 670           | 2280       | 29x500x1200 | 172       | 366               | 910    | -     |
| 11L07KQ3A0013 | 4500                | 500                    | 3    | 1200        | 660           | 2270       | 29x500x1500 | 172       | 452               | 965    | -     |
| 11L07KQ3A0014 | 4500                | 500                    | 3    | 1400        | 680           | 2490       | 29x500x1200 | 172       | 362               | 975    | -     |
| 11L07KQ3A0015 | 4500                | 500                    | 3    | 1400        | 660           | 2470       | 29x500x1500 | 172       | 438               | 1035   | -     |
| 11L07KQ4A0008 | 3800                | 600                    | 4    | 1400        | 670           | 2480       | 29x500x1200 | 172       | 362               | 1115   | -     |
| 11L07KQ4A0009 | 3800                | 600                    | 4    | 1400        | 660           | 2460       | 29x500x1600 | 172       | 386               | 1190   | -     |
| 11L07KQ4A0010 | 3800                | 600                    | 4    | 1600        | 680           | 2680       | 29x500x1200 | 172       | 366               | 1210   | -     |
| 11L07KQ4A0011 | 3800                | 600                    | 4    | 1600        | 660           | 2660       | 29x500x1600 | 172       | 396               | 1260   | -     |

Accessories on request

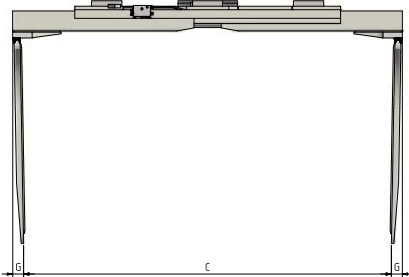
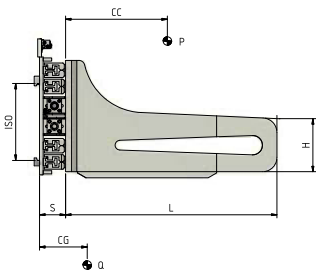
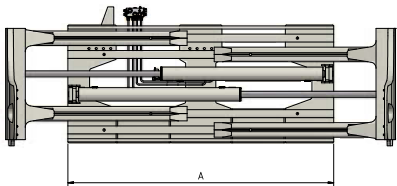
SLI - Sideshifting Valve (requires an additional hydraulic function)

SLS - Semi-Integral Sideshift (requires an additional hydraulic function)

Wear-resistant Plates under the Frame

Wear-resistant Plates under the Blades

116.131 Bale Clamp with thin blades



FEATURES

- Handling of Bales of any material (paper, carton, plastic, junk, other materials).
- Thin welded full penetration arms.
- Adjustable clamping force with hydraulic valve.
- Pressure Relief Valve.
- Non-return Valve.
- Regenerative Valve.

SPECIAL EQUIPMENT

- Custom made widths/openings.
- Custom made Blades.
- Load Backrest.
- Sideshifting Valve or Semi-Integral Sideshift.

Hydraulic Functions: 1  
Max working pressure: 175 Bar

| ISO (L/min) | 3  | 4  |
|-------------|----|----|
| Clamping    | 25 | 30 |

Accessories page 97

| Article       | Attachment Capacity | Load Centre of Gravity | ISO  | Frame Width | Opening Range |            | Blades      | Thickness | Centre of Gravity | Weight | Price |
|---------------|---------------------|------------------------|------|-------------|---------------|------------|-------------|-----------|-------------------|--------|-------|
| Nº            | P (Kg)              | CC (mm)                | 2328 | A (mm)      | C Min (mm)    | C Max (mm) | GxHxL (mm)  | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 11G07KQ3A0005 | 4500                | 500                    | 3    | 1400        | 630           | 2260       | 90x450x1200 | 185       | 210               | 1115   | -     |
| 11G07KQ3A0006 | 4500                | 500                    | 3    | 1400        | 620           | 2250       | 90x450x1400 | 185       | 230               | 1165   | -     |
| 11G07KQ3A0007 | 4500                | 500                    | 3    | 1400        | 610           | 2240       | 90x450x1600 | 185       | 250               | 1220   | -     |
| 11G07KQ3A0008 | 4500                | 500                    | 3    | 1700        | 630           | 2560       | 90x450x1200 | 185       | 200               | 1175   | -     |
| 11G07KQ3A0009 | 4500                | 500                    | 3    | 1700        | 620           | 2550       | 90x450x1400 | 185       | 220               | 1225   | -     |
| 11G07KQ3A0010 | 4500                | 500                    | 3    | 1700        | 610           | 2540       | 90x450x1600 | 185       | 240               | 1280   | -     |
| 11G07LL4A0012 | 5000                | 600                    | 4    | 1600        | 660           | 2500       | 90x450x1200 | 185       | 177               | 1340   | -     |
| 11G07LL4A0013 | 5000                | 600                    | 4    | 1600        | 650           | 2490       | 90x450x1400 | 185       | 195               | 1400   | -     |
| 11G07LL4A0014 | 5000                | 600                    | 4    | 1600        | 640           | 2480       | 90x450x1600 | 185       | 237               | 1450   | -     |
| 11G07LL4A0015 | 5000                | 600                    | 4    | 1700        | 760           | 2800       | 90x450x1200 | 185       | 158               | 1400   | -     |
| 11G07LL4A0016 | 5000                | 600                    | 4    | 1700        | 750           | 2790       | 90x450x1400 | 185       | 191               | 1450   | -     |
| 11G07LL4A0017 | 5000                | 600                    | 4    | 1700        | 740           | 2780       | 90x450x1600 | 185       | 215               | 1490   | -     |
| 11G07NC4A0010 | 6000                | 600                    | 4    | 1600        | 660           | 2500       | 90x450x1200 | 185       | 169               | 1400   | -     |
| 11G07NC4A0011 | 6000                | 600                    | 4    | 1600        | 650           | 2490       | 90x450x1400 | 185       | 197               | 1450   | -     |
| 11G07NC4A0012 | 6000                | 600                    | 4    | 1600        | 640           | 2480       | 90x450x1600 | 185       | 231               | 1500   | -     |
| 11G07NC4A0013 | 6000                | 600                    | 4    | 1700        | 760           | 2800       | 90x450x1200 | 185       | 149               | 1450   | -     |
| 11G07NC4A0014 | 6000                | 600                    | 4    | 1700        | 750           | 2790       | 90x450x1400 | 185       | 186               | 1500   | -     |
| 11G07NC4A0015 | 6000                | 600                    | 4    | 1700        | 740           | 2780       | 90x450x1600 | 185       | 209               | 1550   | -     |
| 11G07Q44A0014 | 7000                | 600                    | 4    | 1800        | 650           | 2690       | 95x450x1200 | 215       | 185               | 1675   | -     |
| 11G07Q44A0015 | 7000                | 600                    | 4    | 1800        | 640           | 2680       | 95x450x1400 | 215       | 199               | 1725   | -     |
| 11G07Q44A0016 | 7000                | 600                    | 4    | 1800        | 630           | 2670       | 95x450x1600 | 215       | 227               | 1775   | -     |
| 11G07Q44A0017 | 7000                | 600                    | 4    | 2000        | 850           | 3290       | 95x450x1200 | 215       | 158               | 1860   | -     |
| 11G07Q44A0018 | 7000                | 600                    | 4    | 2000        | 840           | 3280       | 95x450x1400 | 215       | 189               | 1910   | -     |
| 11G07Q44A0019 | 7000                | 600                    | 4    | 2000        | 830           | 3270       | 95x450x1600 | 215       | 217               | 1960   | -     |
| 11G07QZ4A0009 | 8000                | 600                    | 4    | 1800        | 650           | 2690       | 95x450x1200 | 215       | 172               | 1720   | -     |
| 11G07QZ4A0010 | 8000                | 600                    | 4    | 1800        | 640           | 2680       | 95x450x1400 | 215       | 199               | 1770   | -     |
| 11G07QZ4A0011 | 8000                | 600                    | 4    | 1800        | 630           | 2670       | 95x450x1600 | 215       | 228               | 1820   | -     |
| 11G07QZ4A0012 | 8000                | 600                    | 4    | 2000        | 850           | 3290       | 95x450x1200 | 215       | 152               | 1940   | -     |
| 11G07QZ4A0013 | 8000                | 600                    | 4    | 2000        | 840           | 3280       | 95x450x1400 | 215       | 189               | 1990   | -     |
| 11G07QZ4A0014 | 8000                | 600                    | 4    | 2000        | 830           | 3270       | 95x450x1600 | 215       | 213               | 2040   | -     |

Accessories on request

SLI - Sideshifting Valve (requires an additional hydraulic function)

SLS - Semi-Integral Sideshift (requires an additional hydraulic function)

Wear-resistant Plates under the Frame

Wear-resistant Plates under the Blades

Additional single articulated arm L=1200

Additional single articulated arm L=1400

Additional single articulated arm L=1600

€

-

ISO 3

ISO 4

-

-

-

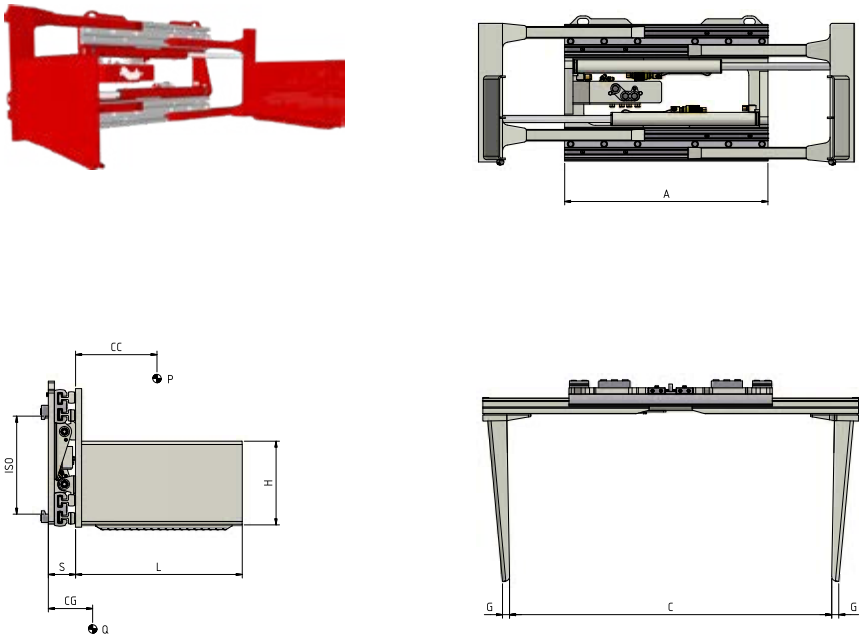
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474.I30 Bale Clamp with wavy edged arms



FEATURES

SPECIAL EQUIPMENT

- Handling of voluminous loads of any type.
  - Adjustable clamping force with hydraulic valve.
  - Pressure Relief Valve.
  - Non-return Valve.
  - Regenerative Valve.
- Custom made widths/openings.
  - Custom made Blades.
  - Load Backrest.
  - Sideshifting Valve or Semi-Integral Sideshift.

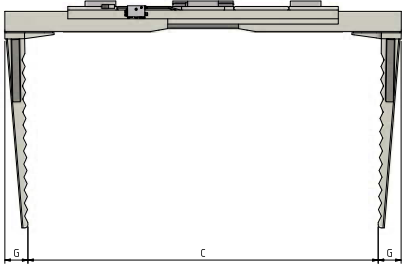
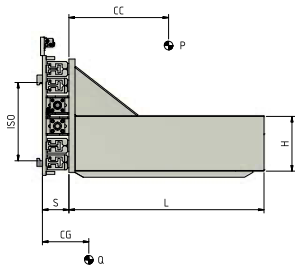
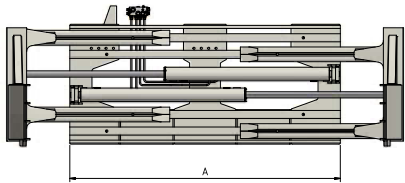
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|-----------------------------------------------------------------------------------|-------------|----|----|
|  | ISO (L/min) | 2  | 3  |
|  | Clamping    | 20 | 25 |

Hydraulic Functions: 1  
Max working pressure: 175 Bar

| Article       | Attachment Capacity | Load Centre of Gravity | ISO  | Frame Width | Opening Range |            | Blades      | Thickness | Centre of Gravity | Weight | Price |
|---------------|---------------------|------------------------|------|-------------|---------------|------------|-------------|-----------|-------------------|--------|-------|
| Nº            | P (Kg)              | CC (mm)                | 2328 | A (mm)      | C Min (mm)    | C Max (mm) | GxHxL (mm)  | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 11L08AQ2A0001 | 1200                | 500                    | 2    | 850         | 300           | 1340       | 30x350x900  | 109       | 218               | 254    | -     |
| 11L08AQ2A0002 | 1200                | 500                    | 2    | 950         | 400           | 1640       | 30x350x900  | 109       | 214               | 263    | -     |
| 11L08AQ2A0003 | 1200                | 500                    | 2    | 1050        | 500           | 1940       | 30x350x900  | 109       | 214               | 270    | -     |
| 11L08BE2A0001 | 1400                | 500                    | 2    | 950         | 320           | 1470       | 40x400x1000 | 137       | 253               | 390    | -     |
| 11L08BE2A0002 | 1400                | 500                    | 2    | 1050        | 420           | 1770       | 40x400x1000 | 137       | 248               | 406    | -     |
| 11L08BE2A0003 | 1400                | 500                    | 2    | 1150        | 520           | 2070       | 40x400x1000 | 137       | 242               | 422    | -     |
| 11L08BE2A0004 | 1400                | 500                    | 2    | 1250        | 420           | 1970       | 40x400x1000 | 137       | 236               | 427    | -     |
| 11L08CG2A0001 | 1700                | 500                    | 2    | 950         | 320           | 1470       | 40x400x1000 | 137       | 253               | 390    | -     |
| 11L08CG2A0002 | 1700                | 500                    | 2    | 1050        | 420           | 1770       | 40x400x1000 | 137       | 248               | 430    | -     |
| 11L08D62A0001 | 1900                | 500                    | 2    | 1050        | 290           | 1540       | 40x400x1000 | 137       | 251               | 412    | -     |
| 11L08D62A0002 | 1900                | 500                    | 2    | 1150        | 390           | 1840       | 40x400x1000 | 137       | 247               | 426    | -     |
| 11L08D62A0003 | 1900                | 500                    | 2    | 1250        | 490           | 2140       | 40x400x1000 | 137       | 242               | 440    | -     |
| 11L08D62A0004 | 1900                | 500                    | 2    | 1350        | 590           | 2440       | 40x400x1000 | 137       | 238               | 454    | -     |
| 11L08EY3A0001 | 2400                | 500                    | 3    | 1050        | 290           | 1540       | 40x400x1000 | 137       | 251               | 420    | -     |
| 11L08EY3A0002 | 2400                | 500                    | 3    | 1150        | 390           | 1840       | 40x400x1000 | 137       | 247               | 426    | -     |
| 11L08G03A0001 | 2700                | 500                    | 3    | 1100        | 410           | 1780       | 40x400x1000 | 157       | 271               | 542    | -     |
| 11L08G03A0002 | 2700                | 500                    | 3    | 1100        | 400           | 1770       | 40x400x1200 | 157       | 334               | 588    | -     |
| 11L08G03A0003 | 2700                | 500                    | 3    | 1200        | 310           | 1680       | 40x400x1000 | 157       | 265               | 568    | -     |
| 11L08G03A0004 | 2700                | 500                    | 3    | 1200        | 300           | 1670       | 40x400x1200 | 157       | 321               | 614    | -     |
| 11L08G03A0005 | 2700                | 500                    | 3    | 1300        | 410           | 1980       | 40x400x1000 | 157       | 259               | 594    | -     |
| 11L08G03A0006 | 2700                | 500                    | 3    | 1300        | 400           | 1970       | 40x400x1200 | 157       | 316               | 640    | -     |
| 11L08G03A0007 | 2700                | 500                    | 3    | 1400        | 510           | 2280       | 40x400x1000 | 157       | 255               | 620    | -     |
| 11L08G03A0008 | 2700                | 500                    | 3    | 1400        | 500           | 2270       | 40x400x1200 | 157       | 310               | 668    | -     |
| 11L08HY3A0001 | 3500                | 500                    | 3    | 1200        | 300           | 1710       | 40x500x1200 | 167       | 368               | 758    | -     |
| 11L08HY3A0002 | 3500                | 500                    | 3    | 1200        | 290           | 1700       | 40x500x1500 | 167       | 453               | 855    | -     |
| 11L08HY3A0003 | 3500                | 500                    | 3    | 1300        | 400           | 2010       | 40x500x1200 | 167       | 361               | 784    | -     |
| 11L08HY3A0004 | 3500                | 500                    | 3    | 1300        | 390           | 2000       | 40x500x1500 | 167       | 447               | 881    | -     |
| 11L08HY3A0005 | 3500                | 500                    | 3    | 1400        | 500           | 2310       | 40x500x1200 | 167       | 354               | 810    | -     |
| 11L08HY3A0006 | 3500                | 500                    | 3    | 1400        | 490           | 2300       | 40x500x1500 | 167       | 438               | 907    | -     |

| Accessories on request                                                    | €       |
|---------------------------------------------------------------------------|---------|
| SLI - Sideshifting Valve (requires an additional hydraulic function)      | -       |
| SLS - Semi-Integral Sideshift (requires an additional hydraulic function) | ISO 2 - |
|                                                                           | ISO 3 - |
| Wear-resistant Plates under the Frame                                     | -       |
| Wear-resistant Plates under the Blades                                    | -       |

116.130 Bale Clamp with wavy edged arms



- FEATURES**
  - Handling of voluminous loads of any type.
  - Adjustable clamping force with hydraulic valve.
  - Pressure Relief Valve.
  - Non-return Valve.
  - Regenerative Valve.
- SPECIAL EQUIPMENT**
  - Custom made widths/openings.
  - Custom made Blades.
  - Load Backrest.
  - Sideshifting Valve or Semi-Integral Sideshift.

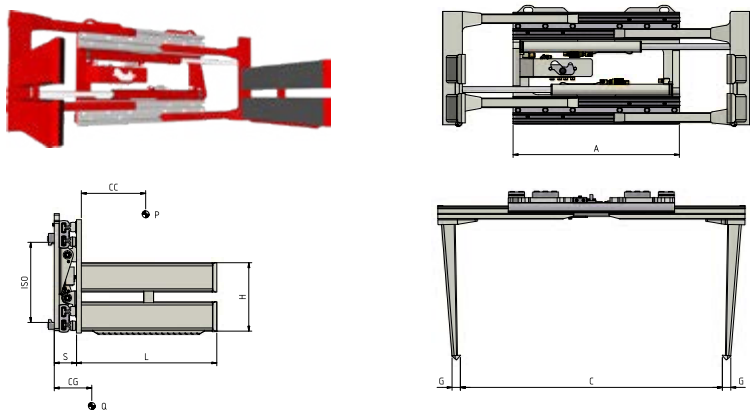
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|------------------------------------------------------------------------------------|-------------|----|
|  | ISO (L/min) | 4  |
|  | Clamping    | 30 |

Hydraulic Functions: 1  
Max working pressure: 175 Bar

| Article       | Attachment Capacity | Load Centre of Gravity | ISO  | Frame Width | Opening Range |            | Blades       | Thickness | Centre of Gravity | Weight | Price |
|---------------|---------------------|------------------------|------|-------------|---------------|------------|--------------|-----------|-------------------|--------|-------|
| Nº            | P (Kg)              | CC (mm)                | 2328 | A (mm)      | C Min (mm)    | C Max (mm) | GxHxL (mm)   | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 11G08LL4A0001 | 5000                | 600                    | 4    | 1600        | 500           | 2340       | 140x450x1200 | 165       | 172               | 1260   | -     |
| 11G08LL4A0002 | 5000                | 600                    | 4    | 1600        | 500           | 2340       | 140x450x1400 | 165       | 190               | 1310   | -     |
| 11G08LL4A0003 | 5000                | 600                    | 4    | 1600        | 500           | 2340       | 140x450x1600 | 165       | 230               | 1360   | -     |
| 11G08LL4A0004 | 5000                | 600                    | 4    | 1700        | 600           | 2640       | 140x450x1200 | 165       | 150               | 1310   | -     |
| 11G08LL4A0005 | 5000                | 600                    | 4    | 1700        | 600           | 2640       | 140x450x1400 | 165       | 185               | 1360   | -     |
| 11G08LL4A0006 | 5000                | 600                    | 4    | 1700        | 600           | 2640       | 140x450x1600 | 165       | 208               | 1410   | -     |
| 11G08NC4A0001 | 6000                | 600                    | 4    | 1600        | 500           | 2340       | 140x450x1200 | 170       | 165               | 1320   | -     |
| 11G08NC4A0002 | 6000                | 600                    | 4    | 1600        | 500           | 2340       | 140x450x1400 | 170       | 190               | 1370   | -     |
| 11G08NC4A0003 | 6000                | 600                    | 4    | 1600        | 500           | 2340       | 140x450x1600 | 170       | 226               | 1420   | -     |
| 11G08NC4A0004 | 6000                | 600                    | 4    | 1700        | 600           | 2640       | 140x450x1200 | 170       | 143               | 1370   | -     |
| 11G08NC4A0005 | 6000                | 600                    | 4    | 1700        | 600           | 2640       | 140x450x1400 | 170       | 178               | 1420   | -     |
| 11G08NC4A0006 | 6000                | 600                    | 4    | 1700        | 600           | 2640       | 140x450x1600 | 170       | 209               | 1470   | -     |
| 11G08Q44A0001 | 7000                | 600                    | 4    | 1800        | 480           | 2520       | 140x450x1200 | 198       | 178               | 1455   | -     |
| 11G08Q44A0002 | 7000                | 600                    | 4    | 1800        | 480           | 2520       | 140x450x1400 | 198       | 193               | 1505   | -     |
| 11G08Q44A0003 | 7000                | 600                    | 4    | 1800        | 480           | 2520       | 140x450x1600 | 198       | 218               | 1555   | -     |
| 11G08Q44A0004 | 7000                | 600                    | 4    | 2000        | 680           | 3120       | 140x450x1200 | 198       | 148               | 1645   | -     |
| 11G08Q44A0005 | 7000                | 600                    | 4    | 2000        | 680           | 3120       | 140x450x1400 | 198       | 180               | 1695   | -     |
| 11G08Q44A0006 | 7000                | 600                    | 4    | 2000        | 680           | 3120       | 140x450x1600 | 198       | 210               | 1745   | -     |
| 11G08QZ4A0001 | 8000                | 600                    | 4    | 1800        | 480           | 2520       | 150x450x1200 | 205       | 166               | 1505   | -     |
| 11G08QZ4A0002 | 8000                | 600                    | 4    | 1800        | 480           | 2520       | 150x450x1400 | 205       | 193               | 1555   | -     |
| 11G08QZ4A0003 | 8000                | 600                    | 4    | 1800        | 480           | 2520       | 150x450x1600 | 205       | 220               | 1605   | -     |
| 11G08QZ4A0004 | 8000                | 600                    | 4    | 2000        | 680           | 3120       | 150x450x1200 | 205       | 145               | 1725   | -     |
| 11G08QZ4A0005 | 8000                | 600                    | 4    | 2000        | 680           | 3120       | 150x450x1400 | 205       | 180               | 1775   | -     |
| 11G08QZ4A0006 | 8000                | 600                    | 4    | 2000        | 680           | 3120       | 150x450x1600 | 205       | 206               | 1825   | -     |

| Accessories on request                                                    | €       |
|---------------------------------------------------------------------------|---------|
| SLI - Sideshifting Valve (requires an additional hydraulic function)      | -       |
| SLS - Semi-Integral Sideshift (requires an additional hydraulic function) | ISO 4 - |
| Wear-resistant Plates under the Frame                                     | -       |
| Wear-resistant Plates under the Blades                                    | -       |

474.I37 Clamp with rubber covered arms



FEATURES

- Load handling without damaging the packaging.
- Edged rubber covered Arms.
- Adjustable clamping force with hydraulic valve.
- Pressure Relief Valve.
- Non-return Valve.
- Regenerative Valve.

SPECIAL EQUIPMENT

- Custom made widths/openings.
- Custom made Arms.
- Load Backrest.
- Sideshifting Valve or Semi-Integral Sideshift.

| Article       | Attachment Capacity | Load Centre of Gravity | ISO  | Frame Width | Opening Range |            | Blades      | Thickness | Centre of Gravity | Weight | Price |
|---------------|---------------------|------------------------|------|-------------|---------------|------------|-------------|-----------|-------------------|--------|-------|
| Nº            | P (Kg)              | CC (mm)                | 2328 | A (mm)      | C Min (mm)    | C Max (mm) | GxHxL (mm)  | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 11L12AQ2A0001 | 1200                | 500                    | 2    | 850         | 290           | 1330       | 40x350x900  | 109       | 171               | 250    | -     |
| 11L12AQ2A0002 | 1200                | 500                    | 2    | 950         | 390           | 1630       | 40x350x900  | 109       | 173               | 259    | -     |
| 11L12AQ2A0003 | 1200                | 500                    | 2    | 1050        | 490           | 1930       | 40x350x900  | 109       | 175               | 268    | -     |
| 11L12BE2A0001 | 1400                | 500                    | 2    | 950         | 310           | 1460       | 45x400x1000 | 137       | 187               | 367    | -     |
| 11L12BE2A0002 | 1400                | 500                    | 2    | 1050        | 410           | 1760       | 45x400x1000 | 137       | 187               | 383    | -     |
| 11L12BE2A0003 | 1400                | 500                    | 2    | 1150        | 510           | 2060       | 45x400x1000 | 137       | 184               | 399    | -     |
| 11L12BE2A0004 | 1400                | 500                    | 2    | 1250        | 410           | 1960       | 45x400x1000 | 137       | 183               | 411    | -     |
| 11L12CG2A0001 | 1700                | 500                    | 2    | 950         | 310           | 1460       | 45x400x1000 | 137       | 187               | 367    | -     |
| 11L12CG2A0002 | 1700                | 500                    | 2    | 1050        | 410           | 1760       | 45x400x1000 | 137       | 185               | 383    | -     |
| 11L12D62A0001 | 1900                | 500                    | 2    | 1050        | 280           | 1530       | 45x400x1000 | 137       | 181               | 396    | -     |
| 11L12D62A0002 | 1900                | 500                    | 2    | 1150        | 380           | 1830       | 45x400x1000 | 137       | 176               | 410    | -     |
| 11L12D62A0003 | 1900                | 500                    | 2    | 1250        | 480           | 2130       | 45x400x1000 | 137       | 173               | 422    | -     |
| 11L12D62A0004 | 1900                | 500                    | 2    | 1350        | 580           | 2430       | 45x400x1000 | 137       | 172               | 439    | -     |
| 11L12EY2A0001 | 2400                | 500                    | 3    | 1050        | 280           | 1530       | 45x400x1000 | 137       | 173               | 396    | -     |
| 11L12EY2A0002 | 2400                | 500                    | 3    | 1150        | 380           | 1830       | 45x400x1000 | 137       | 171               | 410    | -     |

Accessories on request

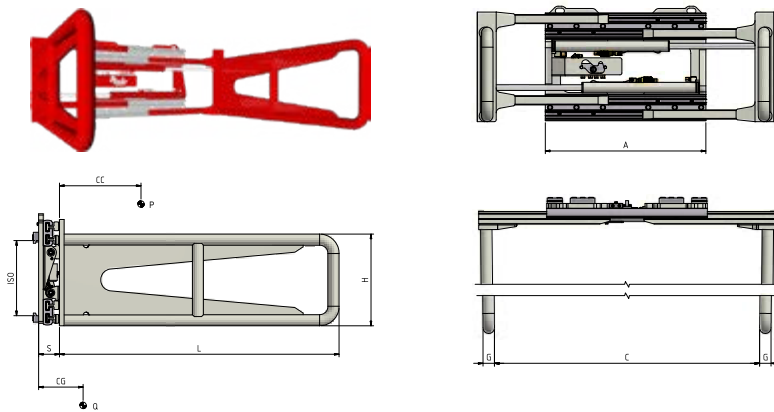
|                                                                           |       |
|---------------------------------------------------------------------------|-------|
| SLI - Sideshifting Valve (requires an additional hydraulic function)      | €     |
| SLS - Semi-Integral Sideshift (requires an additional hydraulic function) | ISO 2 |
|                                                                           | ISO 3 |

| ISO (L/min) | 2  | 3  |
|-------------|----|----|
| Clamping    | 20 | 25 |

Hydraulic Functions: 1  
Max working pressure: 175 Bar

Accessories page 87

474.I95 Foam Clamp



FEATURES

- Handling of voluminous loads (foam and polyurethane blocks).
- Tubular Arms.
- Adjustable clamping force with hydraulic valve.
- Pressure Relief Valve.
- Non-return Valve.
- Regenerative Valve.

SPECIAL EQUIPMENT

- Custom made widths/openings.
- Custom made Arms.
- Load Backrest.
- Sideshifting Valve or Semi-Integral Sideshift.

| Article       | Attachment Capacity | Load Centre of Gravity | ISO  | Frame Width | Opening Range |            | Blades      | Thickness | Centre of Gravity | Weight | Price |
|---------------|---------------------|------------------------|------|-------------|---------------|------------|-------------|-----------|-------------------|--------|-------|
| Nº            | P (Kg)              | CC (mm)                | 2328 | A (mm)      | C Min (mm)    | C Max (mm) | GxHxL (mm)  | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 11L27AQ2A0010 | 1200                | 500                    | 2    | 1150        | 590           | 2150       | 65x500x1500 | 109       | 213               | 350    | -     |
| 11L27AQ2A0011 | 1200                | 500                    | 2    | 1150        | 580           | 2140       | 65x500x2000 | 109       | 232               | 400    | -     |
| 11L27BE2A0009 | 1400                | 500                    | 2    | 1150        | 580           | 2150       | 76x500x1500 | 137       | 246               | 433    | -     |
| 11L27BE2A0010 | 1400                | 500                    | 2    | 1150        | 570           | 2140       | 76x500x2000 | 137       | 273               | 472    | -     |
| 11L27D62A0004 | 1900                | 500                    | 2    | 1250        | 590           | 2260       | 76x500x1500 | 137       | 247               | 445    | -     |
| 11L27D62A0005 | 1900                | 500                    | 2    | 1250        | 580           | 2250       | 76x500x2000 | 137       | 271               | 500    | -     |

Accessories on request

|                                                                           |       |
|---------------------------------------------------------------------------|-------|
| SLI - Sideshifting Valve (requires an additional hydraulic function)      | €     |
| SLS - Semi-Integral Sideshift (requires an additional hydraulic function) | ISO 2 |

| ISO (L/min) | 2  |
|-------------|----|
| Clamping    | 20 |

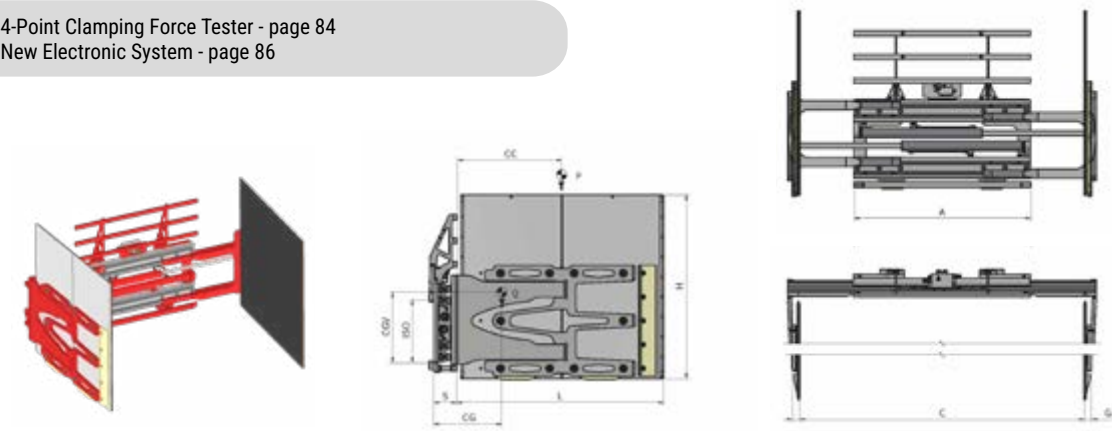
Hydraulic Functions: 1  
Max working pressure: 175 Bar

Accessories page 87

474.12.180 Box and Appliances Clamp with two pivoting arms

► Up to 12 Appliances or Cartons in one grab.

4-Point Clamping Force Tester - page 84  
New Electronic System - page 86



- FEATURES
- SPECIAL EQUIPMENT
- Handling of Household Appliances and Cartons, arranged in double depth, on more rows/levels. • Pivoting rubber covered Arms. • Adjustable clamping force with hydraulic valve. • Pressure Relief Valve. • Non-return Valve. • Regenerative Valve. • Load backrest for clamps with arms exceeding 1000 mm in height.
  - Custom made widths/openings. • Custom made Arms. • Load backrest extensions and upper-blades restraint structures. • Single or double wing. • Mechanical block of the oscillation. • Sideshifting Valve or Semi-Integral Sideshift.

| Article        | Attachment Capacity | Load Centre of Gravity | ISO  | Frame Width | Opening Range |            | Blades       | Thickness | Centre of Gravity | Vertical Centre of Gravity | Weight | Price |
|----------------|---------------------|------------------------|------|-------------|---------------|------------|--------------|-----------|-------------------|----------------------------|--------|-------|
| Nº             | P (Kg)              | CC (mm)                | 2328 | A (mm)      | C Min (mm)    | C Max (mm) | GxHxL (mm)   | S (mm)    | CG (mm)           | CGV (mm)                   | Q (Kg) | €     |
| 11L15AQ2A0039  | 1200                | 500                    | 2    | 950         | 500           | 1740       | 51x1000x1000 | 149       | 385               | 297                        | 328    | -     |
| 11L15AQ2A0041  | 1200                | 650                    | 2    | 950         | 500           | 1740       | 51x1000x1300 | 149       | 405               | 300                        | 378    | -     |
| 11L15AQ2A0043* | 1200                | 675                    | 2    | 950         | 500           | 1740       | 51x1200x1350 | 149       | 431               | 323                        | 517    | -     |
| 11L15AQ2A0045  | 1200                | 500                    | 2    | 1050        | 500           | 1840       | 51x1000x1000 | 149       | 323               | 297                        | 437    | -     |
| 11L15AQ2A0047  | 1200                | 650                    | 2    | 1050        | 500           | 1840       | 51x1000x1300 | 149       | 411               | 300                        | 487    | -     |
| 11L15AQ2A0049* | 1200                | 675                    | 2    | 1050        | 500           | 1840       | 51x1200x1350 | 149       | 437               | 322                        | 523    | -     |
| 11L15AQ2A0051  | 1200                | 500                    | 2    | 1150        | 450           | 1850       | 51x1000x1000 | 149       | 332               | 298                        | 425    | -     |
| 11L15AQ2A0053  | 1200                | 650                    | 2    | 1150        | 450           | 1850       | 51x1000x1300 | 149       | 421               | 301                        | 475    | -     |
| 11L15AQ2A0055* | 1200                | 675                    | 2    | 1150        | 450           | 1850       | 51x1200x1350 | 149       | 443               | 321                        | 530    | -     |

\* Split Contact Pads and Load Backrest on blade

| Accessories on request                                                    | €       |
|---------------------------------------------------------------------------|---------|
| SLI - Sideshifting Valve (requires an additional hydraulic function)      | -       |
| SLS - Semi-Integral Sideshift (requires an additional hydraulic function) | ISO 2 - |

|                                                                                    |             |    |
|------------------------------------------------------------------------------------|-------------|----|
|  | ISO (L/min) | 2  |
| •  •                                                                               | Clamping    | 20 |

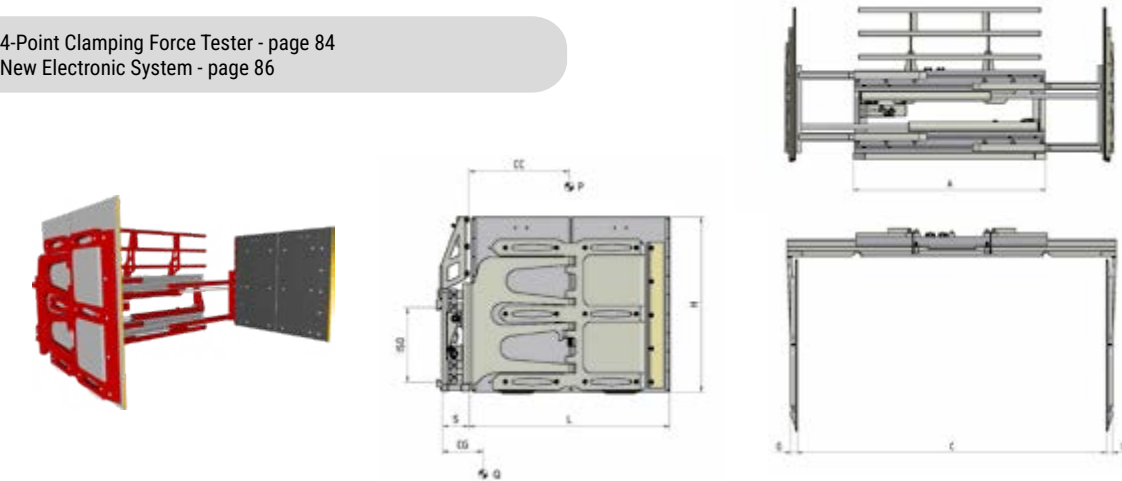
Hydraulic Functions: 1  
Max working pressure: 175 Bar

Accessories page 87

474.24.180 Box and Appliances Clamp with two pivoting arms

► Up to 24 Appliances or Cartons in one grab.

4-Point Clamping Force Tester - page 84  
New Electronic System - page 86



- FEATURES
- SPECIAL EQUIPMENT
- Handling of Household Appliances and Cartons, arranged in double depth, on more rows/levels. • Pivoting rubber covered Arms. • Adjustable clamping force with hydraulic valve. • Pressure Relief Valve. • Non-return Valve. • Regenerative Valve. • Load backrest for clamps with arms exceeding 1000 mm in height.
  - Custom made widths/openings. • Custom made Arms. • Load backrest extensions and upper-blades restraint structures. • Single or double wing. • Mechanical block of the oscillation. • Sideshifting Valve or Semi-Integral Sideshift.

| Article        | Attachment Capacity | Load Centre of Gravity | ISO  | Frame Width | Opening Range |            | Blades       | Thickness | Centre of Gravity | Weight | Price |
|----------------|---------------------|------------------------|------|-------------|---------------|------------|--------------|-----------|-------------------|--------|-------|
| Nº             | P (Kg)              | CC (mm)                | 2328 | A (mm)      | C Min (mm)    | C Max (mm) | GxHxL (mm)   | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 11L15D62A0004* | 1500                | 675                    | 2    | 1380        | 420           | 2040       | 51x1200x1350 | 188       | 448               | 865    | -     |
| 11L15D62A0005* | 1500                | 675                    | 2    | 1550        | 460           | 2260       | 51x1200x1350 | 188       | 436               | 875    | -     |
| 11L15D63A0006* | 1900                | 675                    | 3    | 1850        | 560           | 2760       | 51x1200x1350 | 188       | 407               | 920    | -     |
| 11L15D63A0007* | 1900                | 675                    | 3    | 2000        | 460           | 2710       | 51x1200x1350 | 188       | 402               | 930    | -     |
| 11L15D63A0008* | 2000                | 675                    | 3    | 2050        | 420           | 2680       | 51x1200x1350 | 188       | 401               | 950    | -     |

\* Split Contact Pads and Load Backrest on blade

| Accessories on request                                                    | €       |
|---------------------------------------------------------------------------|---------|
| SLI - Sideshifting Valve (requires an additional hydraulic function)      | -       |
| SLS - Semi-Integral Sideshift (requires an additional hydraulic function) | ISO 2 - |
|                                                                           | ISO 3 - |

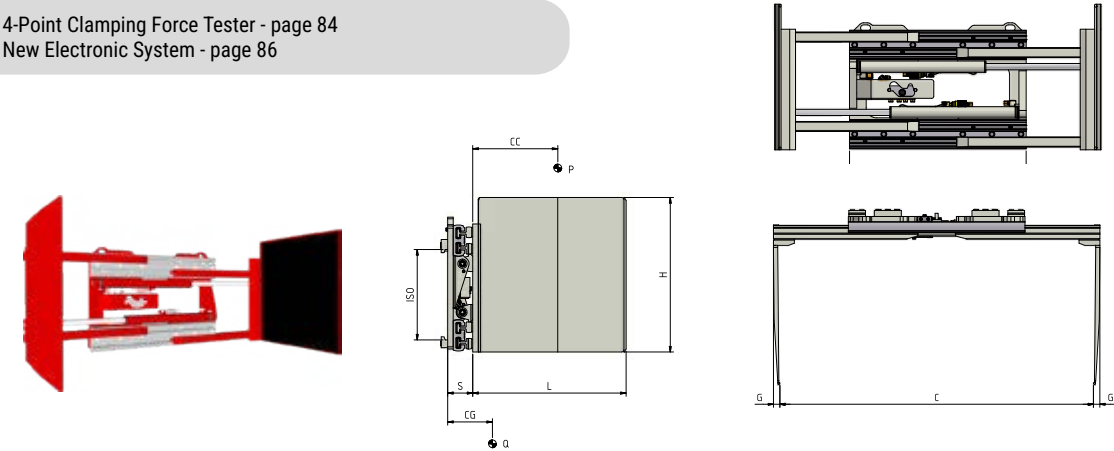
|                                                                                       |             |    |    |
|---------------------------------------------------------------------------------------|-------------|----|----|
|  | ISO (L/min) | 2  | 3  |
| •  •                                                                                  | Clamping    | 20 | 25 |

Hydraulic Functions: 1  
Max working pressure: 175 Bar

Accessories page 87

474.I81 Box and Appliances Clamp with fixed arms

4-Point Clamping Force Tester - page 84  
New Electronic System - page 86



FEATURES

SPECIAL EQUIPMENT

- Handling of Household Appliances and Cartons, arranged in double depth, on more rows/levels.
  - Fixed rubber covered Arms.
  - Adjustable clamping force with hydraulic valve.
  - Pressure Relief Valve.
  - Non-return Valve.
  - Regenerative Valve.
  - Load backrest for clamps with arms exceeding 1000 mm in height.
- Custom made widths/openings.
  - Custom made Arms.
  - Load Backrest.
  - Sideshifting Valve or Semi-Integral Sideshift.

| Article       | Attachment Capacity | Load Centre of Gravity | ISO  | Frame Width | Opening Range |            | Blades     | Thickness | Centre of Gravity | Weight | Price |
|---------------|---------------------|------------------------|------|-------------|---------------|------------|------------|-----------|-------------------|--------|-------|
| Nº            | P (Kg)              | CC (mm)                | 2328 | A (mm)      | C Min (mm)    | C Max (mm) | GxHxL (mm) | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 11L14AQ2A0001 | 1200                | 500                    | 2    | 950         | 580           | 1820       | 30x600x650 | 134       | 188               | 320    | -     |
| 11L14AQ2A0002 | 1200                | 500                    | 2    | 950         | 580           | 1820       | 30x700x650 | 134       | 201               | 335    | -     |
| 11L14AQ2A0003 | 1200                | 500                    | 2    | 950         | 580           | 1820       | 30x600x750 | 134       | 220               | 335    | -     |
| 11L14AQ2A0004 | 1200                | 500                    | 2    | 950         | 580           | 1820       | 30x700x750 | 134       | 234               | 350    | -     |
| 11L14AQ2A0005 | 1200                | 500                    | 2    | 950         | 580           | 1820       | 30x600x850 | 134       | 253               | 355    | -     |
| 11L14AQ2A0006 | 1200                | 500                    | 2    | 950         | 580           | 1820       | 30x700x850 | 134       | 268               | 370    | -     |
| 11L14BE2A0001 | 1400                | 500                    | 2    | 1050        | 590           | 1940       | 30x600x650 | 162       | 188               | 455    | -     |
| 11L14BE2A0002 | 1400                | 500                    | 2    | 1050        | 590           | 1940       | 30x700x650 | 162       | 201               | 477    | -     |
| 11L14BE2A0003 | 1400                | 500                    | 2    | 1050        | 590           | 1940       | 30x600x750 | 162       | 218               | 470    | -     |
| 11L14BE2A0004 | 1400                | 500                    | 2    | 1050        | 590           | 1940       | 30x700x750 | 162       | 232               | 494    | -     |
| 11L14BE2A0005 | 1400                | 500                    | 2    | 1050        | 590           | 1940       | 30x600x850 | 162       | 250               | 498    | -     |
| 11L14BE2A0006 | 1400                | 500                    | 2    | 1050        | 590           | 1940       | 30x700x850 | 162       | 266               | 516    | -     |

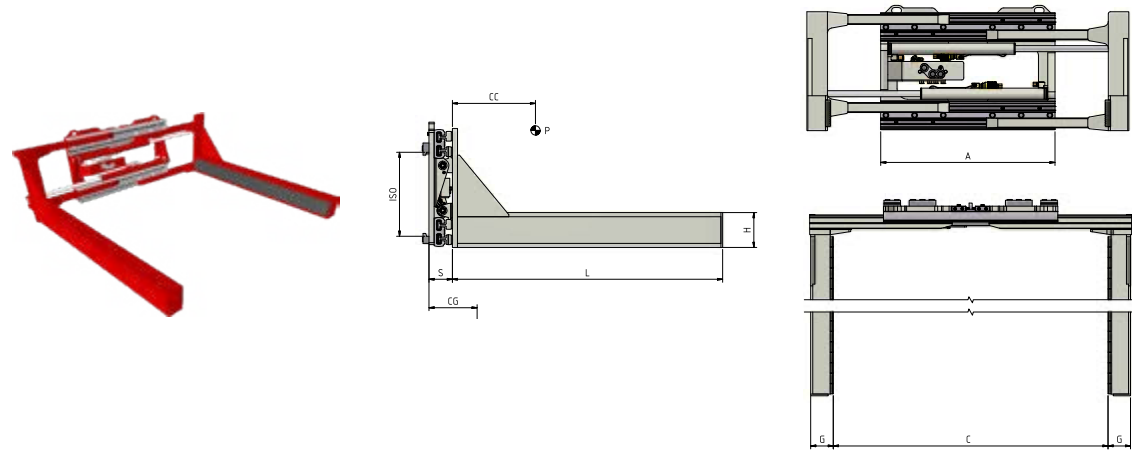
|                                                                           |         |
|---------------------------------------------------------------------------|---------|
| Accessories on request                                                    | €       |
| SLI - Sideshifting Valve (requires an additional hydraulic function)      | -       |
| SLS - Semi-Integral Sideshift (requires an additional hydraulic function) | ISO 2 - |

|                                                                                    |             |    |
|------------------------------------------------------------------------------------|-------------|----|
|  | ISO (L/min) | 2  |
| •  •                                                                               | Clamping    | 20 |

Hydraulic Functions: 1  
Max working pressure: 175 Bar

Accessories page 87

474.I41 Block Clamp with compensating arms



FEATURES

SPECIAL EQUIPMENT

- Handling of concrete blocks and building materials by clamping.
  - Compensating Arms.
  - Adjustable clamping force with hydraulic valve.
  - Pressure Relief Valve.
  - Non-return Valve.
  - Regenerative Valve.
- Custom made widths/openings.
  - Custom made Arms.
  - Load Backrest.
  - Sideshifting Valve or Semi-Integral Sideshift.

| Article       | Attachment Capacity | Load Centre of Gravity | ISO  | Frame Width | Opening Range |            | Blades       | Thickness | Centre of Gravity | Weight | Price |
|---------------|---------------------|------------------------|------|-------------|---------------|------------|--------------|-----------|-------------------|--------|-------|
| Nº            | P (Kg)              | CC (mm)                | 2328 | A (mm)      | C Min (mm)    | C Max (mm) | GxHxL (mm)   | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 11L20BE2A0001 | 1400                | 500                    | 2    | 1050        | 400           | 1750       | 120x150x1095 | 137       | 252               | 405    | -     |
| 11L20BE2A0002 | 1400                | 500                    | 2    | 1050        | 400           | 1750       | 120x150x1295 | 137       | 306               | 422    | -     |
| 11L20CG2A0001 | 1700                | 500                    | 2    | 1050        | 400           | 1750       | 120x150x1095 | 137       | 252               | 405    | -     |
| 11L20CG2A0002 | 1700                | 500                    | 2    | 1050        | 400           | 1750       | 120x150x1295 | 137       | 306               | 422    | -     |
| 11L20D62A0001 | 1900                | 500                    | 2    | 1150        | 370           | 1820       | 125x170x1100 | 137       | 268               | 500    | -     |
| 11L20D62A0002 | 1900                | 500                    | 2    | 1150        | 370           | 1820       | 125x170x1300 | 137       | 327               | 493    | -     |
| 11L20EY2A0001 | 2400                | 500                    | 2    | 1150        | 370           | 1820       | 125x170x1100 | 137       | 268               | 465    | -     |
| 11L20EY2A0002 | 2400                | 500                    | 2    | 1150        | 370           | 1820       | 125x170x1300 | 137       | 327               | 493    | -     |
| 11L20G03A0001 | 2700                | 500                    | 3    | 1100        | 390           | 1760       | 125x170x1100 | 157       | 260               | 547    | -     |
| 11L20G03A0002 | 2700                | 500                    | 3    | 1100        | 390           | 1760       | 125x170x1300 | 157       | 311               | 573    | -     |

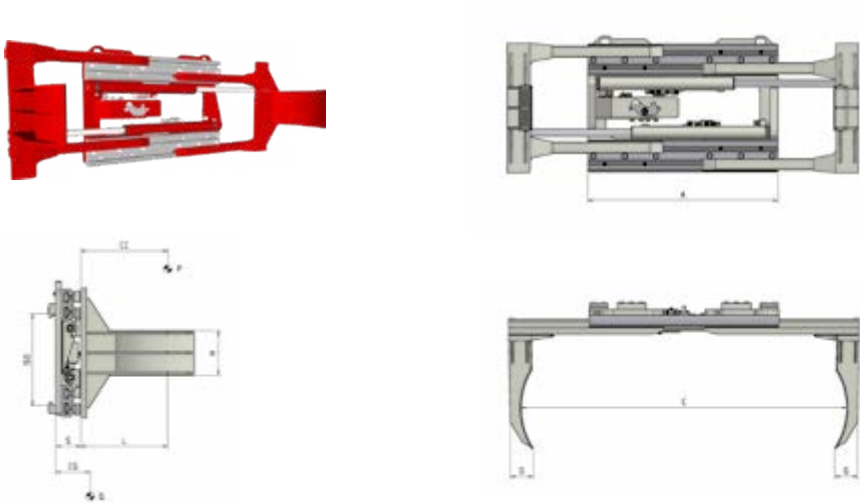
|                                                                           |                    |
|---------------------------------------------------------------------------|--------------------|
| Accessories on request                                                    | €                  |
| SLI - Sideshifting Valve (requires an additional hydraulic function)      | -                  |
| SLS - Semi-Integral Sideshift (requires an additional hydraulic function) | ISO 2 -<br>ISO 3 - |

|                                                                                       |             |    |    |
|---------------------------------------------------------------------------------------|-------------|----|----|
|  | ISO (L/min) | 2  | 3  |
| •  •                                                                                  | Clamping    | 20 | 25 |

Hydraulic Functions: 1  
Max working pressure: 175 Bar

Accessories page 87

474.I60 Drum Clamp for one or two Drums



- FEATURES**
  - Handling of 1 or 2 Drums at once.
  - Adjustable clamping force with hydraulic valve.
  - Pressure Relief Valve.
  - Non-return Valve.
  - Regenerative Valve.
- SPECIAL EQUIPMENT**
  - Custom made widths/openings.
  - Custom made Blades.
  - Load Backrest.
  - "V" shaped Plates for gripping drums with different diameters.
  - Sideshifting Valve or Semi-Integral Sideshift.

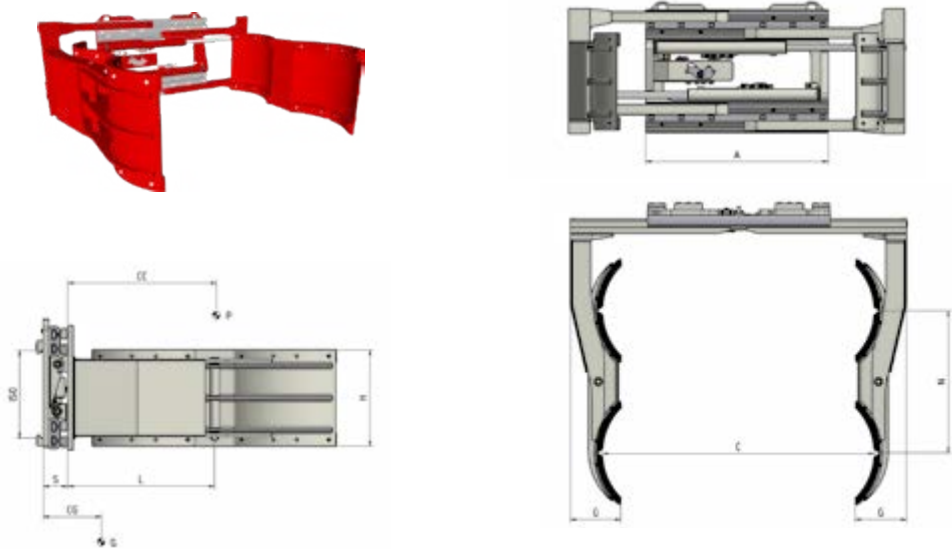
| Article       | Attachment Capacity | Load Centre of Gravity | ISO  | Frame Width | Opening Range |            | Blades      | Thickness | Centre of Gravity | Weight | Price |
|---------------|---------------------|------------------------|------|-------------|---------------|------------|-------------|-----------|-------------------|--------|-------|
| Nº            | P (Kg)              | CC (mm)                | 2328 | A (mm)      | C Min (mm)    | C Max (mm) | GxHxL (mm)  | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 11L23AQ2C0001 | 1200                | 500                    | 2    | 950         | 490           | 1730       | 100x200x330 | 109       | 102               | 230    | -     |
| 11L23BE2C0001 | 1400                | 500                    | 2    | 950         | 450           | 1600       | 100x200x330 | 137       | 109               | 316    | -     |

| Accessories on request                                                    | €       |
|---------------------------------------------------------------------------|---------|
| SLI - Sideshifting Valve (requires an additional hydraulic function)      | -       |
| SLS - Semi-Integral Sideshift (requires an additional hydraulic function) | ISO 2 - |

|  |             |    |
|--|-------------|----|
|  | ISO (L/min) | 2  |
|  | Clamping    | 20 |

Hydraulic Functions: 1  
Max working pressure: 175 Bar

474.I90 Drum Clamp for two or four Drums



- FEATURES**
  - Handling of 2 or 4 Drums at once.
  - Adjustable clamping force with hydraulic valve.
  - Pressure Relief Valve.
  - Non-return Valve.
  - Regenerative Valve.
- SPECIAL EQUIPMENT**
  - Custom made widths/openings.
  - Custom made Blades.
  - Load Backrest.
  - "V" shaped Plates for gripping drums with different diameters.
  - Sideshifting Valve or Semi-Integral Sideshift.

| Article       | Attachment Capacity | Load Centre of Gravity | ISO  | Frame Width | Opening Range |            | Blades      | Distance | Thickness | Centre of Gravity | Weight | Price |
|---------------|---------------------|------------------------|------|-------------|---------------|------------|-------------|----------|-----------|-------------------|--------|-------|
| Nº            | P (Kg)              | CC (mm)                | 2328 | A (mm)      | C Min (mm)    | C Max (mm) | GxHxL (mm)  | N (mm)   | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 11L24AQ2C0001 | 1200                | 500                    | 2    | 950         | 340           | 1340       | 236x450x690 | 660      | 109       | 360               | 340    | -     |
| 11L24D62C0001 | 1900                | 500                    | 2    | 1050        | 270           | 1520       | 238x450x700 | 660      | 137       | 321               | 510    | -     |

| Accessories on request                                                    | €       |
|---------------------------------------------------------------------------|---------|
| SLI - Sideshifting Valve (requires an additional hydraulic function)      | -       |
| SLS - Semi-Integral Sideshift (requires an additional hydraulic function) | ISO 2 - |

|  |             |    |
|--|-------------|----|
|  | ISO (L/min) | 2  |
|  | Clamping    | 20 |

Hydraulic Functions: 1  
Max working pressure: 175 Bar

# 4-Point Clamping Force Tester

## Boxes and Appliances Clamp Fittings

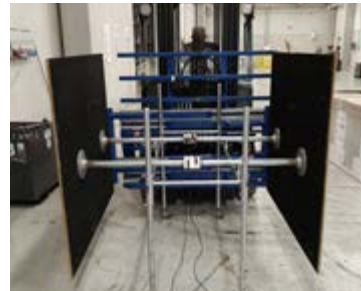


The proper distribution of the clamping force of our Boxes and Appliances Clamp on the surface of the rubber-covered blades is a key factor to ensure the most appropriate handling of White Goods and high-tech, thus avoiding the products from damage by preserving their packaging. All ATIB Material Handling Boxes and Appliances Clamps are tested at the end of the production line with the 4-point dynamometer, carefully designed by our Engineering to ensure the correct default settings and to allow the customer the right recalibration of the clamps after a certain period of use.

The Tester, based on load cell technology, can measure both the force acting on each point, and calculate the total tightening developed on the entire surface of the rubber-covered blades, providing a precise indication on the distribution of the force in percentage and always ensuring complete safety in handling operations.

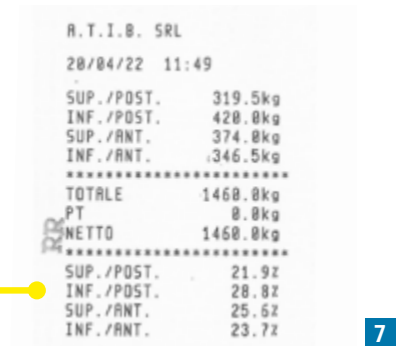
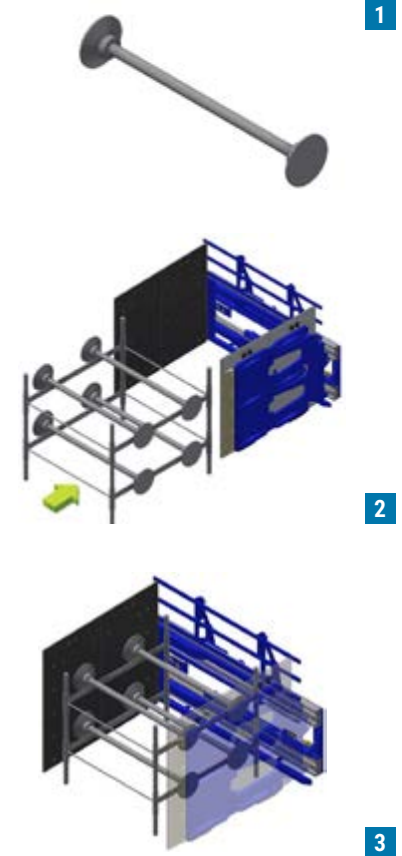
In addition to that, since the positions of the measuring points are adjustable, the system can be adapted to the various dimensions of the rubber-covered blades.

ATIB Material Handling 4-point Tester is equipped with a display device that allows you to enter the grip pressure (displayed as Kg applied to the load), and then eventually print the report.



### Features

- Load cell arms for grip force detection in 2 or 4 contact points.
- Control unit, including:
  - ATIB Material Handling customized software with a multilingual communication system (ITA-ENG-DEU-FRA-ESP), and the possibility of entering the custom identification number (attachment, forklift, operator, product, and so on).
  - Display showing the measured values, the set clamping pressure and the detected force on 2 or 4 points (B1 | B2 | B3 | B4).
  - Print button of the detected values.
  - Shockproof Case.
- Modular aluminium frame with a very robust design and high-strength polyurethane wheels (2 of them with brakes). Easy to install and light-weight.



### Legend

1. Arm with load cells. - 2. Assembled structure. - 3. Example of measuring with clamp. - 4. Single load cell.  
5. Multiple load cell. - 6. Control unit. - 7. Printing of the detected values.

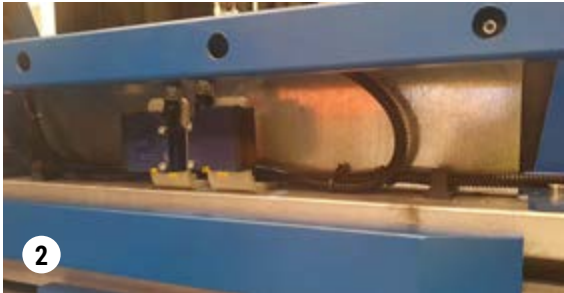
# Logic System

# AUTOMATA

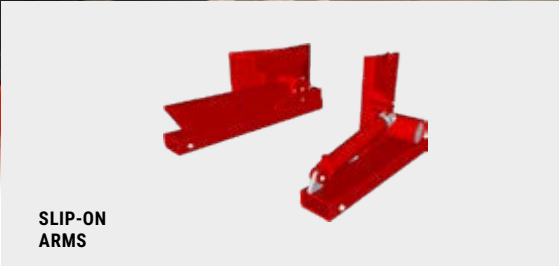
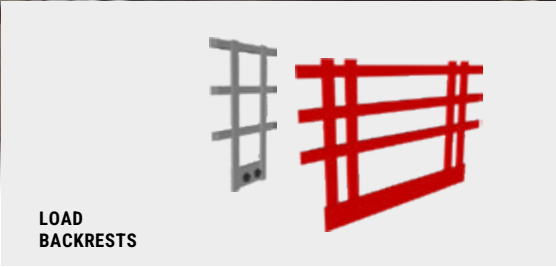
## Appliances Clamp

The clamp is equipped with:

- 1. Load detection sensors.
- 2. Opening detection sensors.
- 3. Wireless control unit.
- 4. Display (6"/8"/10").



Price on request



| Accessories on request                                              | € |
|---------------------------------------------------------------------|---|
| Hoses and Fitting Kit (for each hydraulic function)                 | - |
| Hoses and quick-release Couplings Kit (for each hydraulic function) | - |
| Pressure Gauge                                                      | - |
| Bronze Wear Pads                                                    | - |
| Quick-release Hooks                                                 | - |
| Solenoid valve two functions with Electric Kit                      | - |
| 3 positions pressure relief valve                                   | - |
| Manual Pressure-Relief Panel with Pressure Gauge and Indicator Lamp | - |
| Electronic Pressure-Relief Panel with Keyboard and Indicator Lamp   | - |
| Automatic Pressure-Relief System                                    | - |
| Automatic Greasing System for Semi Integral Sideshift               | - |
| Cylinder protection Plate                                           | - |



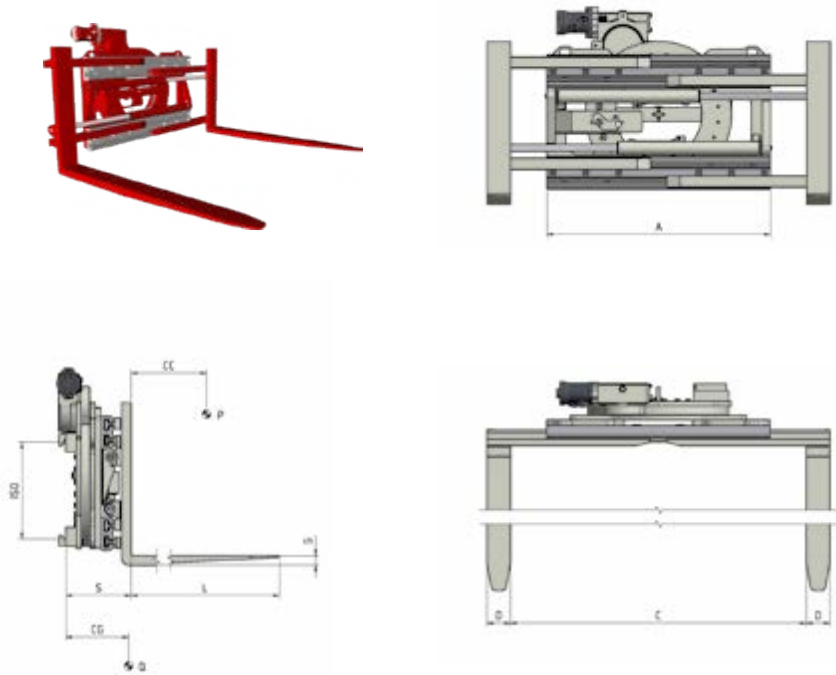
# 07

## ROTATING CLAMPS

|                                                                      |            |
|----------------------------------------------------------------------|------------|
| <b>30I.474.170</b><br>360° Rotating Fork Clamp                       | <b>90</b>  |
| <b>30I.474.150</b><br>360° Rotating Clamp with Rotating Forks        | <b>92</b>  |
| <b>30I.474.4</b><br>360° Rotating Clamp with 4 Forks                 | <b>94</b>  |
| <b>30I.474.131</b><br>360° Rotating Bale Clamp with thin blades      | <b>96</b>  |
| <b>30I.474.160</b><br>360° Rotating Drum Clamp for one or two Drums  | <b>98</b>  |
| <b>30I.474.190</b><br>360° Rotating Drum Clamp for two or four Drums | <b>99</b>  |
| <b>636</b><br>360° Rotating Drum Clamp for one Drum                  | <b>100</b> |

|             |            |
|-------------|------------|
| Accessories | <b>101</b> |
|-------------|------------|

301.474.170 360° Rotating Fork Clamp



FEATURES

- Handling goods on pallets or by clamping and rotation of the load.
- Adjustable clamping force with hydraulic valve.
- Pressure Relief Valve.
- Non-return Valve.
- Regenerative Valve.

SPECIAL EQUIPMENT

- Custom made widths/openings.
- Custom made Forks.
- Load Back-rest.
- Flat slip-on arms/Slip-on arms for drums/Slip-on arms with 90° or 180° hydraulic rotation.
- Sideshifting Valve or Semi-Integral Sideshift.

|  | ISO (L/min) | 2  | 3  | 4  |
|------------------------------------------------------------------------------------|-------------|----|----|----|
|  | Clamping    | 25 | 25 | 30 |
|  | Rotation    | 20 | 25 | 30 |

Hydraulic Functions: 2  
Max working pressure: 175 Bar

Accessories page 101

| Article        | Clamping Capacity | Capacity on Forks | Load Centre of Gravity | ISO  | Frame Width | Opening Range Between Forks |            | Forks       | Thickness | Centre of Gravity | Weight | Price |
|----------------|-------------------|-------------------|------------------------|------|-------------|-----------------------------|------------|-------------|-----------|-------------------|--------|-------|
| Nº             | PS (Kg)           | PF (Kg)           | CC (mm)                | 2328 | A (mm)      | C Min (mm)                  | C Max (mm) | DxGxL (mm)  | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 11M03AQ2A0006* | 1200              | 1400              | 500                    | 2a   | 850         | 340                         | 1380       | 100x40x1200 | 279       | 159               | 388    | -     |
| 11M03AQ2A0008  | 1200              | 1400              | 500                    | 2a   | 950         | 440                         | 1680       | 100x40x1200 | 279       | 161               | 397    | -     |
| 11M03AQ2A0010  | 1200              | 1400              | 500                    | 2a   | 1050        | 540                         | 1980       | 100x40x1200 | 279       | 162               | 406    | -     |
| 11M03BE2A0006* | 1400              | 1900              | 500                    | 2a   | 950         | 360                         | 1510       | 100x40x1200 | 317       | 178               | 540    | -     |
| 11M03BE2A0012  | 1400              | 1900              | 500                    | 2a   | 1050        | 460                         | 1810       | 100x40x1200 | 317       | 179               | 560    | -     |
| 11M03BE2A0013  | 1400              | 1900              | 500                    | 2a   | 1150        | 560                         | 2110       | 100x40x1200 | 317       | 181               | 580    | -     |
| 11M03BE2A0014  | 1400              | 1900              | 500                    | 2a   | 1250        | 460                         | 2010       | 100x40x1200 | 317       | 182               | 602    | -     |
| 11M03CG2A0001* | 1700              | 2100              | 500                    | 2a   | 950         | 360                         | 1510       | 100x40x1200 | 317       | 178               | 545    | -     |
| 11M03CG2A0008  | 1700              | 2100              | 500                    | 2a   | 1050        | 460                         | 1810       | 100x40x1200 | 317       | 179               | 570    | -     |
| 11M03D62A0015* | 1900              | 2400              | 500                    | 2a   | 1050        | 330                         | 1580       | 120x45x1200 | 317       | 202               | 590    | -     |
| 11M03D62A0020  | 1900              | 2400              | 500                    | 2a   | 1150        | 430                         | 1880       | 120x45x1200 | 317       | 204               | 632    | -     |
| 11M03D62A0021  | 1900              | 2400              | 500                    | 2a   | 1250        | 530                         | 2180       | 120x45x1200 | 317       | 206               | 667    | -     |
| 11M03D62A0022  | 1900              | 2400              | 500                    | 2a   | 1350        | 630                         | 2480       | 120x45x1200 | 317       | 207               | 691    | -     |
| 11M03EY3A0020* | 2400              | 2900              | 500                    | 3a   | 1050        | 330                         | 1580       | 120x45x1200 | 317       | 207               | 660    | -     |
| 11M03EY3A0040  | 2400              | 2900              | 500                    | 3a   | 1150        | 430                         | 1880       | 120x45x1200 | 317       | 209               | 680    | -     |
| 11M03G03A0025  | 2700              | 3600              | 500                    | 3a   | 1100        | 470                         | 1840       | 120x50x1200 | 350       | 217               | 840    | -     |
| 11M03G03A0015* | 2700              | 3600              | 500                    | 3a   | 1200        | 320                         | 1640       | 120x50x1200 | 350       | 228               | 830    | -     |
| 11M03G03A0023  | 2700              | 3600              | 500                    | 3a   | 1300        | 470                         | 2040       | 120x50x1200 | 350       | 222               | 900    | -     |
| 11M03G03A0026  | 2700              | 3600              | 500                    | 3a   | 1400        | 570                         | 2340       | 120x50x1200 | 350       | 224               | 930    | -     |
| 11M03HY3A0009  | 3500              | 4500              | 500                    | 3a   | 1200        | 350                         | 1760       | 150x50x1200 | 360       | 250               | 890    | -     |
| 11M03HY3A0022  | 3500              | 4500              | 500                    | 3a   | 1300        | 450                         | 2060       | 150x50x1200 | 360       | 236               | 970    | -     |
| 11M03HY3A0023  | 3500              | 4500              | 500                    | 3a   | 1400        | 550                         | 2360       | 150x50x1200 | 360       | 239               | 1010   | -     |
| 11M03KQ3A0001* | 4500              | 5000              | 500                    | 3a   | 1400        | 260                         | 1790       | 150x60x1200 | 385       | 226               | 1235   | -     |
| 11M03KQ3A0002* | 4500              | 5000              | 500                    | 3a   | 1600        | 260                         | 1990       | 150x60x1200 | 385       | 228               | 1250   | -     |
| 11M03KQ4A0002* | 3800              | 4500              | 600                    | 4a   | 1500        | 260                         | 1890       | 150x60x1200 | 385       | 228               | 1270   | -     |
| 11M03KQ4A0003* | 3800              | 4500              | 600                    | 4a   | 1600        | 260                         | 1990       | 150x60x1200 | 385       | 230               | 1285   | -     |
| 11M03LM4A0001* | 5000              | 6000              | 600                    | 4a   | 1500        | 260                         | 1890       | 150x65x1200 | 390       | 233               | 1310   | -     |
| 11M03LM4A0002* | 5000              | 6000              | 600                    | 4a   | 1700        | 260                         | 2090       | 150x65x1200 | 390       | 263               | 1325   | -     |
| 11M03ND4A0001* | 6000              | 7000              | 600                    | 4a   | 1500        | 260                         | 1890       | 150x70x1200 | 440       | 257               | 1545   | -     |
| 11M03ND4A0002* | 6000              | 7000              | 600                    | 4a   | 1700        | 260                         | 2090       | 150x70x1200 | 440       | 260               | 1565   | -     |
| 11M03Q54A0001* | 7000              | 8000              | 600                    | 4a   | 1750        | 160                         | 2040       | 200x70x1200 | 455       | 282               | 1700   | -     |
| 11M03Q54A0002* | 7000              | 8000              | 600                    | 4a   | 2000        | 160                         | 2290       | 200x70x1200 | 455       | 296               | 1730   | -     |

\* Europallet handling models

Accessories on request

SLI - Sideshifting Valve (requires an additional hydraulic function)

SLS - Semi-Integral Sideshift (requires an additional hydraulic function)

Bolt-on Forks

€

-

ISO 2

-

ISO 3

-

ISO 4

-

ISO 2

-

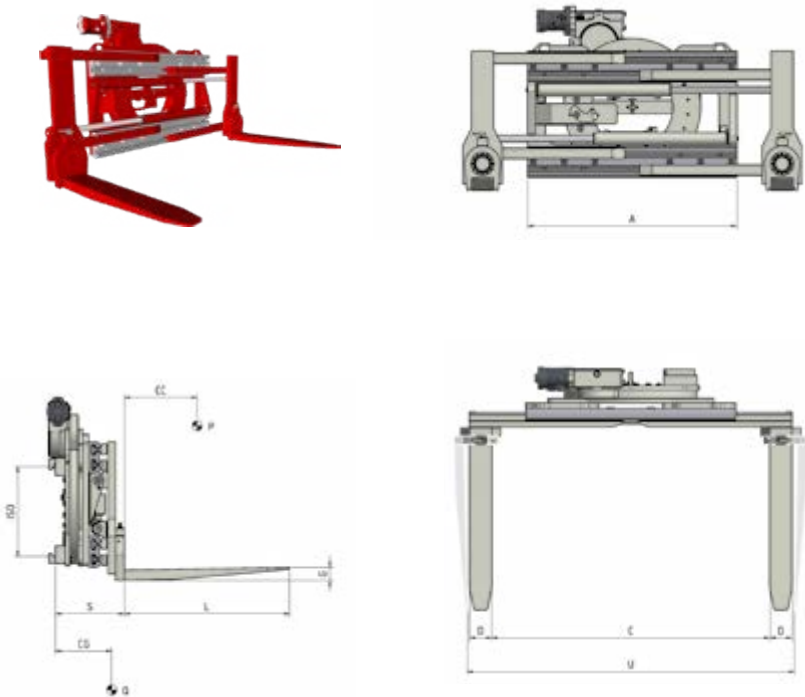
ISO 3

-

ISO 4

-

301.474.ISO 360° Rotating Clamp with Rotating Forks



FEATURES

- Handling goods on pallets or by clamping and rotation of the load.
- Adjustable clamping force with hydraulic valve.
- Pressure Relief Valve.
- Non-return Valve.
- Regenerative Valve.
- Manual Fork rotation or by means of cylinders actuated by a hydraulic function of the Forklift.

|    | ISO (L/min) | 2  | 3  |
|----|-------------|----|----|
| ⬅➡ | Clamping    | 25 | 25 |
| ↻  | Rotation    | 20 | 25 |

SPECIAL EQUIPMENT

- Custom made widths/openings.
- Custom made Forks.
- Load Backrest.
- Sideshifting Valve or Semi- Integral Sideshift.

Hydraulic Functions: 2  
Max working pressure: 175 Bar

Accessories page 101

| Article        | Clamping Capacity | Capacity on Forks | Load Centre of Gravity | ISO  | Frame Width | Opening Range Between Forks |            | Opening Range Between 90° Rotated Forks |            | Forks       | Thickness | Centre of Gravity | Weight | Price |
|----------------|-------------------|-------------------|------------------------|------|-------------|-----------------------------|------------|-----------------------------------------|------------|-------------|-----------|-------------------|--------|-------|
| Nº             | PS (Kg)           | PF (Kg)           | CC (mm)                | 2328 | A (mm)      | C Min (mm)                  | C Max (mm) | U Min (mm)                              | U Max (mm) | DxGxL (mm)  | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 11M05AQ2A0005* | 1200              | 1400              | 500                    | 2a   | 850         | 340                         | 1380       | 590                                     | 1630       | 100x45x1000 | 321       | 228               | 433    | -     |
| 11M05AQ2A0006  | 1200              | 1400              | 500                    | 2a   | 950         | 440                         | 1680       | 690                                     | 1930       | 100x45x1000 | 321       | 226               | 442    | -     |
| 11M05AQ2A0001  | 1200              | 1400              | 500                    | 2a   | 1050        | 540                         | 1980       | 790                                     | 2230       | 100x45x1000 | 321       | 224               | 451    | -     |
| 11M05AQ2A0007* | 1200              | 1400              | 500                    | 2a   | 1050        | 240                         | 1380       | 490                                     | 1630       | 100x45x1000 | 321       | 229               | 448    | -     |
| 11M05BE2A0013* | 1400              | 1900              | 500                    | 2a   | 950         | 310                         | 1430       | 605                                     | 1725       | 120x50x1000 | 357       | 273               | 557    | -     |
| 11M05BE2A0004* | 1400              | 1900              | 500                    | 2a   | 1050        | 310                         | 1530       | 605                                     | 1825       | 120x50x1000 | 357       | 268               | 573    | -     |
| 11M05BE2A0003  | 1400              | 1900              | 500                    | 2a   | 1150        | 540                         | 2090       | 835                                     | 2380       | 120x50x1000 | 357       | 264               | 589    | -     |
| 11M05BE2A0014  | 1400              | 1900              | 500                    | 2a   | 1250        | 440                         | 1990       | 735                                     | 2285       | 120x50x1000 | 357       | 263               | 594    | -     |
| 11M05CG2A0005* | 1700              | 2100              | 500                    | 2a   | 950         | 310                         | 1430       | 605                                     | 1725       | 120x50x1000 | 357       | 273               | 557    | -     |
| 11M05CG2A0006* | 1700              | 2100              | 500                    | 2a   | 1050        | 310                         | 1530       | 605                                     | 1825       | 120x50x1000 | 357       | 268               | 573    | -     |
| 11M05CG2A0007* | 1700              | 2100              | 500                    | 2a   | 1050        | 240                         | 1390       | 535                                     | 1685       | 120x50x1000 | 357       | 261               | 565    | -     |
| 11M05D62A0002* | 1900              | 2400              | 500                    | 2a   | 1050        | 250                         | 1450       | 590                                     | 1790       | 150x50x1000 | 357       | 250               | 590    | -     |
| 11M05D62A0008  | 1900              | 2400              | 500                    | 2a   | 1150        | 400                         | 1850       | 740                                     | 2190       | 150x50x1000 | 357       | 246               | 595    | -     |
| 11M05D62A0009* | 1900              | 2400              | 500                    | 2a   | 1150        | 200                         | 1450       | 540                                     | 1790       | 150x50x1000 | 357       | 248               | 595    | -     |
| 11M05D62A0010  | 1900              | 2400              | 500                    | 2a   | 1250        | 500                         | 2150       | 840                                     | 2490       | 150x50x1000 | 357       | 243               | 621    | -     |
| 11M05D62A0011  | 1900              | 2400              | 500                    | 2a   | 1350        | 600                         | 2450       | 940                                     | 2790       | 150x50x1000 | 357       | 240               | 637    | -     |
| 11M05EY3A0002* | 2400              | 2900              | 500                    | 3a   | 1050        | 250                         | 1450       | 590                                     | 1790       | 150x50x1000 | 357       | 250               | 630    | -     |
| 11M05EY3A0009  | 2400              | 2900              | 500                    | 3a   | 1150        | 400                         | 1850       | 740                                     | 2190       | 150x50x1000 | 357       | 246               | 645    | -     |
| 11M05EY3A0010* | 2400              | 2900              | 500                    | 3a   | 1150        | 200                         | 1450       | 540                                     | 1790       | 150x50x1000 | 357       | 248               | 635    | -     |
| 11M05G03A0006  | 2700              | 3500              | 500                    | 3a   | 1100        | 430                         | 1800       | 790                                     | 2160       | 150x60x1000 | 409       | 266               | 828    | -     |
| 11M05G03A0007  | 2700              | 3500              | 500                    | 3a   | 1200        | 330                         | 1700       | 690                                     | 2060       | 150x60x1000 | 409       | 263               | 854    | -     |
| 11M05G03A0008  | 2700              | 3500              | 500                    | 3a   | 1300        | 430                         | 2000       | 790                                     | 2360       | 150x60x1000 | 409       | 260               | 872    | -     |
| 11M05G03A0009  | 2700              | 3500              | 500                    | 3a   | 1400        | 530                         | 2300       | 890                                     | 2660       | 150x60x1000 | 409       | 256               | 908    | -     |

\* Europallet handling models

Accessories on request

SLI - Sideshifting Valve (requires an additional hydraulic function)

SLS - Semi-Integral Sideshift (requires an additional hydraulic function)

Rotation of hydraulically controlled forks

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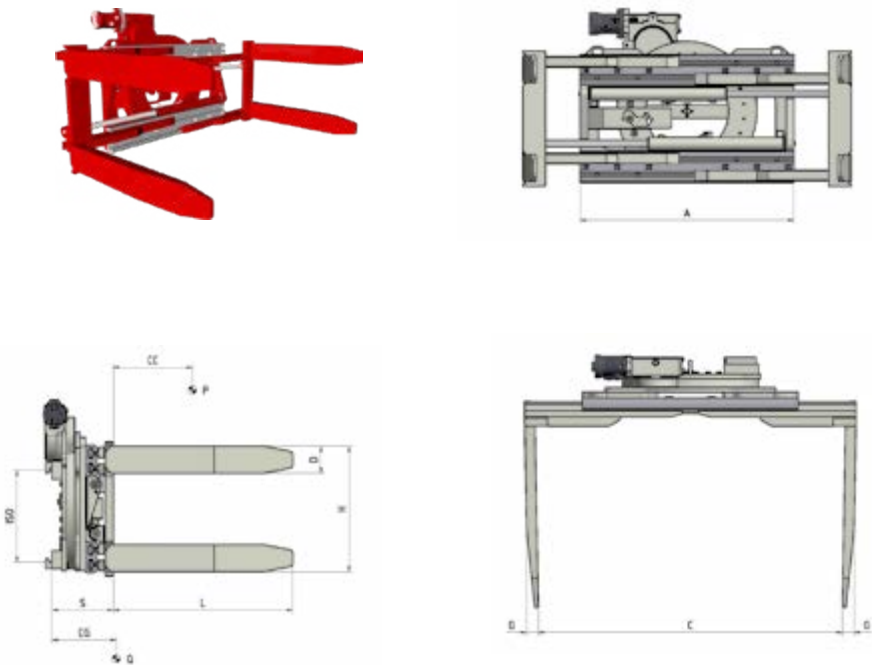
ISO 2

ISO 3

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301.474.4 360° Rotating Clamp with 4 Forks



FEATURES

- Handling goods on pallets or by clamping and rotation of the load.
- Overturning of the load to replace pallets, thanks to the couple of welded forks on each profile.
- Adjustable clamping force with hydraulic valve.
- Pressure Relief Valve.
- Non-return Valve.
- Regenerative Valve.

|  | ISO (L/min) | 2  | 3  |
|--|-------------|----|----|
|  | Clamping    | 25 | 25 |
|  | Rotation    | 20 | 25 |

SPECIAL EQUIPMENT

- Custom made widths/openings.
- Custom made Forks.
- Load Backrest.
- Sideshifting Valve or Semi- Integral Sideshift.

Hydraulic Functions: 2  
Max working pressure: 175 Bar

Accessories page 101

| Article       | Attachment Capacity | Load Centre of Gravity | ISO  | Frame Width | Opening Range |            | Forks       | Distance | Thickness | Centre of Gravity | Weight | Price |
|---------------|---------------------|------------------------|------|-------------|---------------|------------|-------------|----------|-----------|-------------------|--------|-------|
| Nº            | P (Kg)              | CC (mm)                | 2328 | A (mm)      | C Min (mm)    | C Max (mm) | DxGxL (mm)  | H (mm)   | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 11M33AQ2A0008 | 1200                | 500                    | 2    | 850         | 420           | 1460       | 120x45x800  | 560      | 274       | 142               | 387    | -     |
| 11M33AQ2A0009 | 1200                | 500                    | 2    | 950         | 520           | 1760       | 120x45x800  | 560      | 274       | 147               | 394    | -     |
| 11M33AQ2A0010 | 1200                | 500                    | 2    | 1050        | 620           | 2060       | 120x45x800  | 560      | 274       | 158               | 403    | -     |
| 11M33BE2A0014 | 1400                | 500                    | 2    | 950         | 420           | 1570       | 120x50x1000 | 560      | 307       | 281               | 588    | -     |
| 11M33BE2A0015 | 1400                | 500                    | 2    | 1050        | 520           | 1870       | 120x50x1000 | 560      | 307       | 301               | 608    | -     |
| 11M33BE2A0016 | 1400                | 500                    | 2    | 1150        | 620           | 2170       | 120x50x1000 | 560      | 307       | 301               | 632    | -     |
| 11M33BE2A0017 | 1400                | 500                    | 2    | 1250        | 520           | 2070       | 120x50x1000 | 560      | 307       | 312               | 662    | -     |
| 11M33CG2A0006 | 1700                | 500                    | 2    | 950         | 420           | 1570       | 120x50x1000 | 560      | 307       | 281               | 588    | -     |
| 11M33CG2A0007 | 1700                | 500                    | 2    | 1050        | 520           | 1870       | 120x50x1000 | 560      | 307       | 291               | 604    | -     |
| 11M33D62A0001 | 1900                | 500                    | 2    | 1050        | 430           | 1680       | 150x50x1000 | 560      | 312       | 303               | 608    | -     |
| 11M33D62A0002 | 1900                | 500                    | 2    | 1150        | 530           | 1980       | 150x50x1000 | 560      | 312       | 316               | 624    | -     |
| 11M33D62A0003 | 1900                | 500                    | 2    | 1250        | 630           | 2280       | 150x50x1000 | 560      | 312       | 329               | 640    | -     |
| 11M33EY3A0001 | 2400                | 500                    | 3    | 1050        | 430           | 1680       | 150x50x1150 | 560      | 312       | 303               | 681    | -     |
| 11M33EY3A0002 | 2400                | 500                    | 3    | 1150        | 530           | 1980       | 150x50x1150 | 560      | 312       | 316               | 705    | -     |
| 11M33G03A0001 | 2700                | 500                    | 3    | 1100        | 570           | 1940       | 180x50x1150 | 560      | 350       | 356               | 874    | -     |
| 11M33G03A0002 | 2700                | 500                    | 3    | 1200        | 470           | 1840       | 180x50x1150 | 560      | 350       | 364               | 904    | -     |
| 11M33G03A0003 | 2700                | 500                    | 3    | 1300        | 570           | 2140       | 180x50x1150 | 560      | 350       | 373               | 941    | -     |
| 11M33G03A0004 | 2700                | 500                    | 3    | 1400        | 670           | 2440       | 180x50x1150 | 560      | 350       | 394               | 980    | -     |
| 11M33HY3A0001 | 3500                | 500                    | 3    | 1200        | 490           | 1900       | 200x60x1200 | 560      | 360       | 375               | 949    | -     |
| 11M33HY3A0002 | 3500                | 500                    | 3    | 1300        | 590           | 2100       | 200x60x1200 | 560      | 360       | 382               | 974    | -     |
| 11M33HY3A0003 | 3500                | 500                    | 3    | 1400        | 690           | 2500       | 200x60x1200 | 560      | 360       | 389               | 998    | -     |

Accessories on request

SLI - Sideshifting Valve (requires an additional hydraulic function)

SLS - Semi-Integral Sideshift (requires an additional hydraulic function)

Side wall for load containment fixed version

Side wall for load containment hydraulic version of 150 mm (requires an additional hydraulic function)

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ISO 2

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ISO 3

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Width 600 mm

-

Width 1000 mm

-

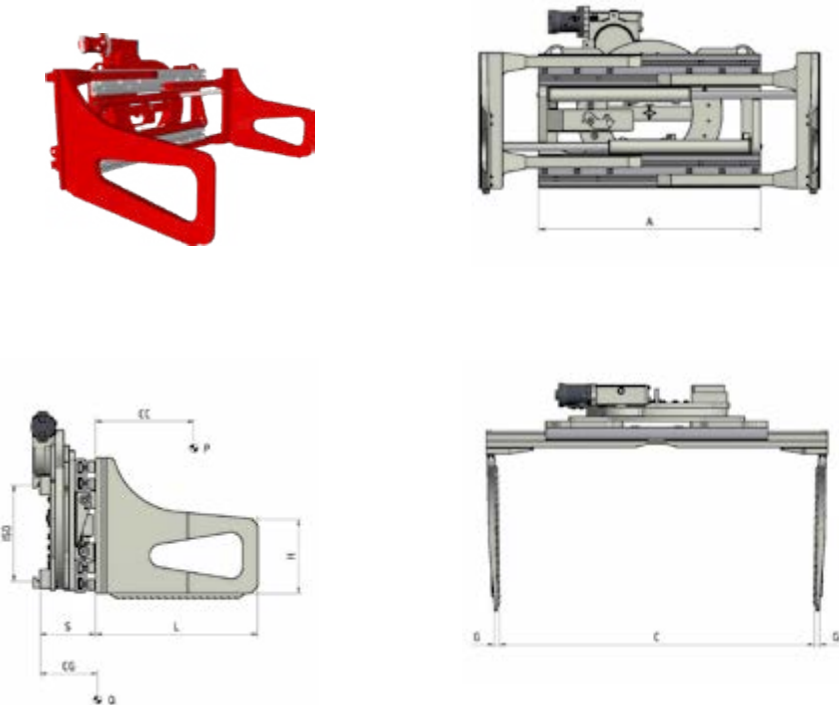
Width 600 mm

-

Width 1000 mm

-

301.474.131 360° Rotating Bale Clamp with thin blades



FEATURES

- Thin welded full penetration arms.
- Handling of Bales of paper, carton, plastic, junk, other materials.
- Handling goods by clamping and rotation.
- Adjustable clamping force with hydraulic valve.
- Pressure Relief Valve.
- Non-return Valve.
- Regenerative Valve.

SPECIAL EQUIPMENT

- Custom made widths/openings.
- Custom made Blades.
- Load Backrest.
- Sideshifting Valve or Semi-Integral Sideshift.

|  | ISO (L/min) | 2  | 3  |
|--|-------------|----|----|
|  | Clamping    | 25 | 25 |
|  | Rotation    | 20 | 25 |

Hydraulic Functions: 2  
Max working pressure: 175 Bar

Accessories page 101

| Article       | Attachment Capacity | Load Centre of Gravity | ISO  | Frame Width | Opening Range |            | Blades      | Thickness | Centre of Gravity | Weight | Price |
|---------------|---------------------|------------------------|------|-------------|---------------|------------|-------------|-----------|-------------------|--------|-------|
| Nº            | P (Kg)              | CC (mm)                | 2328 | A (mm)      | C Min (mm)    | C Max (mm) | GxHxL (mm)  | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 11M07AQ2A0001 | 1200                | 500                    | 2    | 850         | 420           | 1460       | 21x350x900  | 234       | 220               | 450    | -     |
| 11M07AQ2A0002 | 1200                | 500                    | 2    | 950         | 520           | 1760       | 21x350x900  | 234       | 218               | 453    | -     |
| 11M07AQ2A0003 | 1200                | 500                    | 2    | 1050        | 620           | 2060       | 21x350x900  | 234       | 217               | 468    | -     |
| 11M07BE2A0003 | 1400                | 500                    | 2    | 950         | 420           | 1570       | 21x400x1000 | 267       | 263               | 588    | -     |
| 11M07BE2A0002 | 1400                | 500                    | 2    | 1050        | 520           | 1870       | 21x400x1000 | 267       | 261               | 608    | -     |
| 11M07BE2A0004 | 1400                | 500                    | 2    | 1150        | 620           | 2170       | 21x400x1000 | 267       | 259               | 620    | -     |
| 11M07BE2A0005 | 1400                | 500                    | 2    | 1250        | 520           | 2070       | 21x400x1000 | 267       | 257               | 636    | -     |
| 11M07CG2A0003 | 1700                | 500                    | 2    | 950         | 420           | 1570       | 21x400x1000 | 267       | 263               | 588    | -     |
| 11M07CG2A0001 | 1700                | 500                    | 2    | 1050        | 520           | 1870       | 21x400x1000 | 267       | 261               | 604    | -     |
| 11M07D62A0002 | 1900                | 500                    | 2    | 1050        | 420           | 1670       | 23x400x1000 | 267       | 268               | 609    | -     |
| 11M07D62A0004 | 1900                | 500                    | 2    | 1150        | 520           | 1970       | 23x400x1000 | 267       | 266               | 625    | -     |
| 11M07D62A0005 | 1900                | 500                    | 2    | 1250        | 620           | 2270       | 23x400x1000 | 267       | 263               | 641    | -     |
| 11M07D62A0006 | 1900                | 500                    | 2    | 1350        | 720           | 2570       | 23x400x1000 | 267       | 261               | 657    | -     |
| 11M07EY3A0002 | 2400                | 500                    | 3    | 1050        | 420           | 1670       | 23x400x1000 | 267       | 249               | 680    | -     |
| 11M07EY3A0003 | 2400                | 500                    | 3    | 1150        | 520           | 1970       | 23x400x1000 | 267       | 244               | 694    | -     |
| 11M07G03A0004 | 2700                | 500                    | 3    | 1100        | 540           | 1910       | 26x400x1000 | 292       | 290               | 940    | -     |
| 11M07G03A0005 | 2700                | 500                    | 3    | 1100        | 530           | 1900       | 26x400x1200 | 292       | 348               | 984    | -     |
| 11M07G03A0006 | 2700                | 500                    | 3    | 1200        | 440           | 1810       | 26x400x1000 | 292       | 285               | 964    | -     |
| 11M07G03A0007 | 2700                | 500                    | 3    | 1200        | 430           | 1800       | 26x400x1200 | 292       | 370               | 1010   | -     |
| 11M07G03A0008 | 2700                | 500                    | 3    | 1300        | 540           | 2110       | 26x400x1000 | 292       | 280               | 990    | -     |
| 11M07G03A0003 | 2700                | 500                    | 3    | 1300        | 530           | 2100       | 26x400x1200 | 292       | 338               | 1035   | -     |
| 11M07G03A0009 | 2700                | 500                    | 3    | 1400        | 640           | 2410       | 26x400x1000 | 292       | 275               | 1015   | -     |
| 11M07G03A0010 | 2700                | 500                    | 3    | 1400        | 630           | 2400       | 26x400x1200 | 292       | 334               | 1060   | -     |
| 11M07HY3A0001 | 3500                | 500                    | 3    | 1200        | 470           | 1880       | 29x500x1200 | 302       | 378               | 1150   | -     |
| 11M07HY3A0002 | 3500                | 500                    | 3    | 1200        | 460           | 1870       | 29x500x1500 | 302       | 462               | 1270   | -     |
| 11M07HY3A0003 | 3500                | 500                    | 3    | 1300        | 570           | 2180       | 29x500x1200 | 302       | 382               | 1190   | -     |
| 11M07HY3A0004 | 3500                | 500                    | 3    | 1300        | 560           | 2170       | 29x500x1500 | 302       | 458               | 1290   | -     |
| 11M07HY3A0005 | 3500                | 500                    | 3    | 1400        | 670           | 2480       | 29x500x1200 | 302       | 379               | 1200   | -     |
| 11M07HY3A0006 | 3500                | 500                    | 3    | 1400        | 660           | 2470       | 29x500x1500 | 302       | 454               | 1310   | -     |

Accessories on request

SLI - Sideshifting Valve (requires an additional hydraulic function)

SLS - Semi-Integral Sideshift (requires an additional hydraulic function)

Wear-resistant Plates under the Frame

Wear-resistant Plates under the Blades

€

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ISO 2

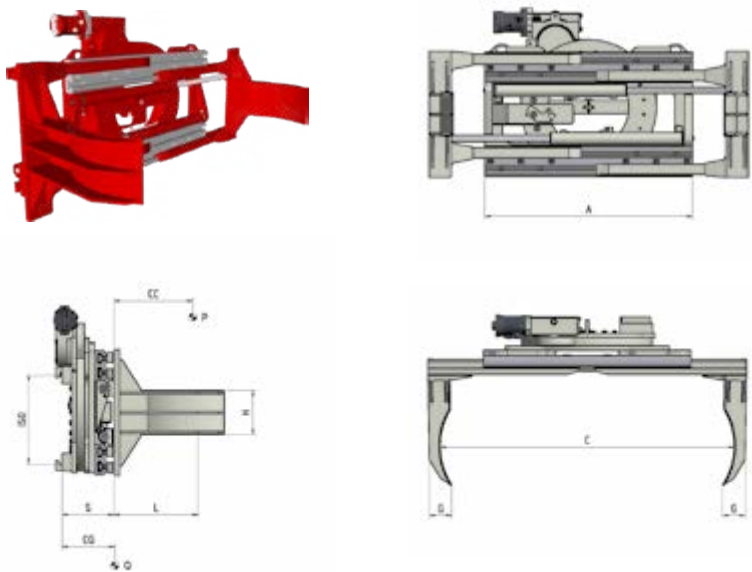
ISO 3

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301.474.I60 360° Rotating Drum Clamp for one or two Drums



FEATURES

• Clamping and rotation of 1 or 2 Drums at once. • Adjustable clamping force with hydraulic valve. • Pressure Relief Valve. • Non-return Valve. • Regenerative Valve.

SPECIAL EQUIPMENT

• Custom made widths/openings. • Custom made Blades. • Load Backrest. • “V” shaped Plates for gripping drums with different diameters. • Sideshifting Valve or Semi-Integral Sideshift.

| Article       | Attachment Capacity | Load Centre of Gravity | ISO  | Frame Width | Opening Range |            | Blades      | Thickness | Centre of Gravity | Weight | Price |
|---------------|---------------------|------------------------|------|-------------|---------------|------------|-------------|-----------|-------------------|--------|-------|
| Nº            | P (Kg)              | CC (mm)                | 2328 | A (mm)      | C Min (mm)    | C Max (mm) | GxHxL (mm)  | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 11M23AQ2A0001 | 1200                | 330                    | 2    | 950         | 490           | 1730       | 100x200x330 | 234       | 132               | 390    | -     |
| 11M23BE2A0001 | 1400                | 330                    | 2    | 950         | 450           | 1600       | 100x200x330 | 267       | 146               | 476    | -     |

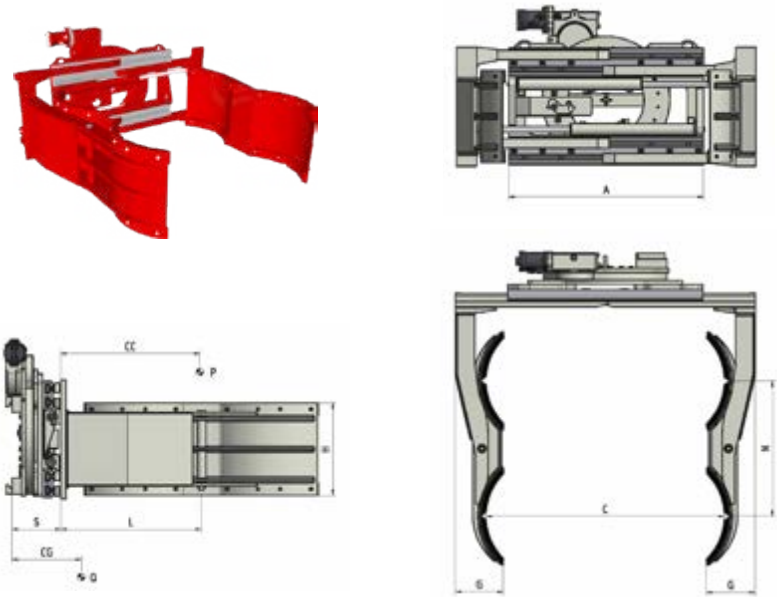
| Accessories on request                                                    | €       |
|---------------------------------------------------------------------------|---------|
| SLI - Sideshifting Valve (requires an additional hydraulic function)      | -       |
| SLS - Semi-Integral Sideshift (requires an additional hydraulic function) | ISO 2 - |

| ISO (L/min) | 2  |
|-------------|----|
| Clamping    | 25 |
| Rotation    | 20 |

Hydraulic Functions: 2  
Max working pressure: 175 Bar

Accessories page 101

301.474.I90 360° Rotating Drum Clamp for two or four Drums



FEATURES

• Clamping and rotation of 2 or 4 Drums at once. • Adjustable clamping force with hydraulic valve. • Pressure Relief Valve. • Non-return Valve. • Regenerative Valve.

SPECIAL EQUIPMENT

• Custom made widths/openings. • Custom made Blades. • Load Backrest. • “V” shaped Plates for gripping drums with different diameters. • Sideshifting Valve or Semi-Integral Sideshift.

| Article       | Attachment Capacity | Load Centre of Gravity | ISO  | Frame Width | Opening Range |            | Blades      | Distance | Thickness | Centre of Gravity | Weight | Price |
|---------------|---------------------|------------------------|------|-------------|---------------|------------|-------------|----------|-----------|-------------------|--------|-------|
| Nº            | P (Kg)              | CC (mm)                | 2328 | A (mm)      | C Min (mm)    | C Max (mm) | GxHxL (mm)  | H (mm)   | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 11M24AQ2A0001 | 1200                | 670                    | 2    | 950         | 340           | 1340       | 236x450x690 | 660      | 234       | 371               | 442    | -     |
| 11M24D62A0001 | 1900                | 675                    | 2    | 1050        | 270           | 1520       | 238x450x700 | 660      | 267       | 305               | 700    | -     |

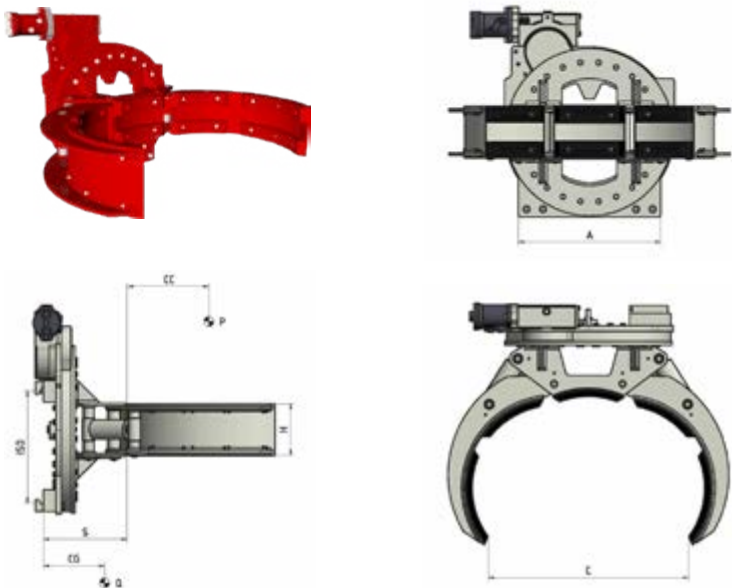
| Accessories on request                                                    | €       |
|---------------------------------------------------------------------------|---------|
| SLI - Sideshifting Valve (requires an additional hydraulic function)      | -       |
| SLS - Semi-Integral Sideshift (requires an additional hydraulic function) | ISO 2 - |

| ISO (L/min) | 2  |
|-------------|----|
| Clamping    | 25 |
| Rotation    | 20 |

Hydraulic Functions: 2  
Max working pressure: 175 Bar

Accessories page 101

636 360° Rotating Drum Clamp for one Drum



FEATURES

• Clamping and rotation of a single drum. • Adjustable clamping force with hydraulic valve. • Pressure Relief Valve. • Non-return Valve. • Regenerative Valve.

SPECIAL EQUIPMENT

• Custom made widths/openings. • Custom made Blades. • Load Backrest. • Semi-Integral Sideshift.

| Article   | Attachment Capacity | Load Centre of Gravity | ISO  | Frame Width | Drums Diameter |            | Blades Height | Thickness | Centre of Gravity | Weight | Price |
|-----------|---------------------|------------------------|------|-------------|----------------|------------|---------------|-----------|-------------------|--------|-------|
| Nº        | P (Kg)              | CC (mm)                | 2328 | A (mm)      | C Min (mm)     | C Max (mm) | H (mm)        | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 49H2C0001 | 300                 | 335                    | 2    | 800         | 600            | 700        | 190           | 315       | 153               | 240    | -     |

Accessories on request

SLS - Semi-Integral Sideshift (requires an additional hydraulic function)

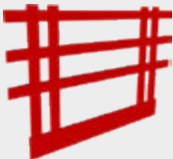
ISO 2

€

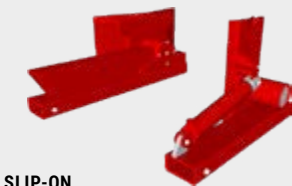
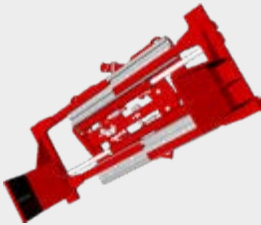
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|  | ISO (L/min) | 2  |
|-----------------------------------------------------------------------------------|-------------|----|
|  | Clamping    | 20 |
|  | Rotation    | 20 |

Hydraulic Functions: 2  
Max working pressure: 175 Bar



LOAD  
BACKREST



SLIP-ON  
ARMS

Accessories on request

€

|                                                                     |   |
|---------------------------------------------------------------------|---|
| Hoses and Fitting Kit (for each hydraulic function)                 | - |
| Hoses and quick-release Couplings Kit (for each hydraulic function) | - |
| Pressure Gauge                                                      | - |
| Bronze Wear Pads                                                    | - |
| Quick-release Hooks                                                 | - |
| Solenoid valve two functions with Electric Kit                      | - |
| 3 positions pressure relief valve                                   | - |
| Manual Pressure-Relief Panel with Pressure Gauge and Indicator Lamp | - |
| Electronic Pressure-Relief Panel with Keyboard and Indicator Lamp   | - |
| Automatic Pressure-Relief System                                    | - |
| Mechanical block of the rotation                                    | - |
| Automatic Greasing System for Semi Integral Sideshift               | - |
| Cylinder protection Plate                                           | - |

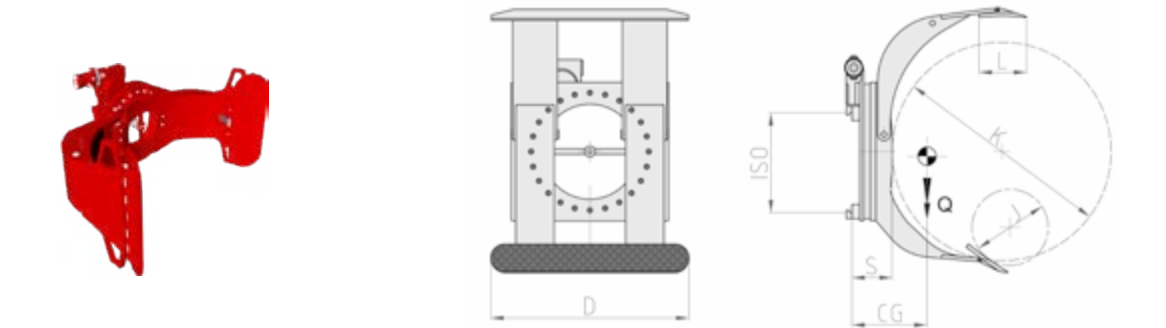


# 08

## ROLL AND TYRES CLAMPS

|                                                                                        |     |
|----------------------------------------------------------------------------------------|-----|
| <b>340 SF</b><br>360° Rotating Roll Clamp with short fixed arm                         | 104 |
| <b>340 SM</b><br>360° Rotating Roll Clamp with adjustable arms                         | 105 |
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340 SF 360° Rotating Roll Clamp with short fixed arm



FEATURES

- Clamping and rotation of one or more overlapping rolls of the same diameter.
- Short fixed arm and long entire arm.
- 360° or 180° rotation with mechanical block.

SPECIAL EQUIPMENT

- Custom made capacities/openings.
- Custom made Contact Pads.
- Rotating or Fixed Clamp with parallel arms with reduced dimensions for container loading/unloading operations.

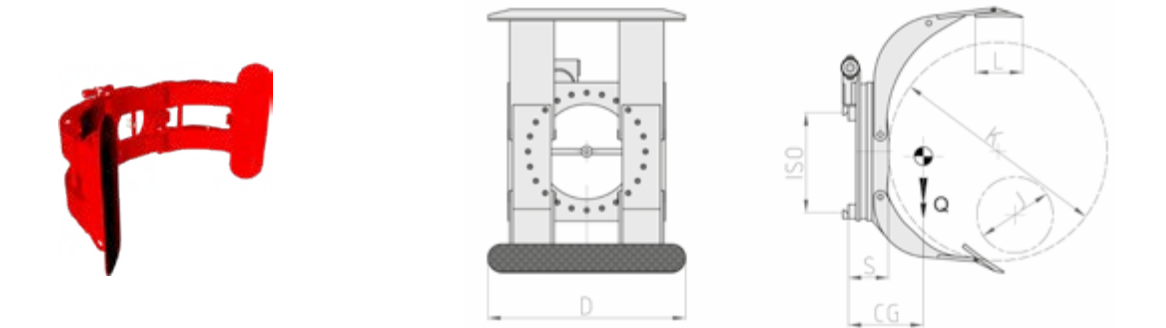
| Article       | Attachment Capacity | ISO  | Rolls Diameter |        | Contact Pads | Thickness | Centre of Gravity | Weight | Price |
|---------------|---------------------|------|----------------|--------|--------------|-----------|-------------------|--------|-------|
|               |                     |      |                |        |              |           |                   |        |       |
| Nº            | P (Kg)              | 2328 | J (mm)         | K (mm) | DxL (mm)     | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 21G002G2C0001 | 900                 | 2    | 350            | 1100   | 700x200      | 178       | 200               | 400    | -     |
| 21G002G2C0002 | 900                 | 2    | 350            | 1400   | 700x200      | 178       | 205               | 480    | -     |
| 21G002Q2C0001 | 1300                | 2    | 400            | 1150   | 750x250      | 186       | 220               | 520    | -     |
| 21G002Q2C0002 | 1300                | 2    | 400            | 1300   | 750x250      | 186       | 230               | 525    | -     |
| 21G00342C0003 | 2000                | 2    | 400            | 1300   | 850x250      | 202       | 235               | 620    | -     |
| 21G00343C0002 | 2000                | 3    | 400            | 1300   | 850x250      | 202       | 235               | 750    | -     |
| 21G00343C0003 | 2000                | 3    | 400            | 1600   | 850x250      | 202       | 240               | 820    | -     |
| 21G003G3C0004 | 2600                | 3    | 550            | 1300   | 900x250      | 215       | 245               | 870    | -     |
| 21G003G3C0005 | 2600                | 3    | 750            | 1600   | 900x250      | 215       | 255               | 940    | -     |
| 21G003Q3C0003 | 3000                | 3    | 400            | 1300   | 1015x300     | 225       | 260               | 990    | -     |
| 21G003W4C0001 | 3600                | 4    | 750            | 1800   | 1050x300     | 255       | 275               | 1440   | -     |

|   | ISO (L/min) | 2  | 3  | 4  |
|---|-------------|----|----|----|
|   |             |    |    |    |
| + | Clamping    | 25 | 30 | 35 |
| ↻ | Rotation    | 25 | 25 | 35 |

Hydraulic Functions: 2  
Max working pressure: 175 Bar

Accessories page 117

340 SM 360° Rotating Roll Clamp with adjustable arms



FEATURES

- Clamping and rotation of one or more overlapping rolls of the same diameter.
- Short adjustable arm and long entire arm.
- 360° or 180° rotation with mechanical block.

SPECIAL EQUIPMENT

- Custom made capacities/openings.
- Custom made Contact Pads.
- Rotating or Fixed Clamp with parallel arms with reduced dimensions for container loading/unloading operations.

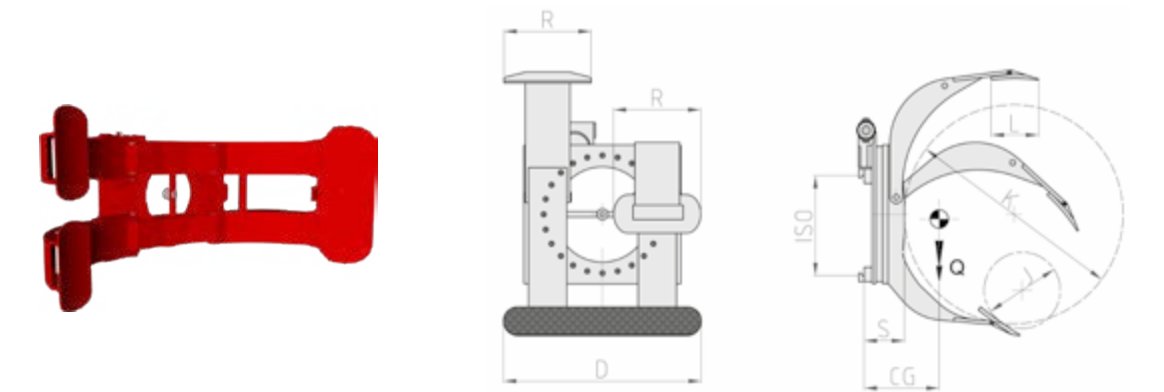
| Article       | Attachment Capacity | ISO  | Rolls Diameter |        | Contact Pads | Thickness | Centre of Gravity | Weight | Price |
|---------------|---------------------|------|----------------|--------|--------------|-----------|-------------------|--------|-------|
|               |                     |      |                |        |              |           |                   |        |       |
| Nº            | P (Kg)              | 2328 | J (mm)         | K (mm) | DxL (mm)     | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 21G012G2C0001 | 900                 | 2    | 250            | 1100   | 700x200      | 178       | 205               | 460    | -     |
| 21G012G2C0002 | 900                 | 2    | 250            | 1400   | 700x200      | 178       | 210               | 520    | -     |
| 21G012Q2C0001 | 1300                | 2    | 250            | 1150   | 750x250      | 186       | 225               | 550    | -     |
| 21G012Q2C0002 | 1300                | 2    | 250            | 1300   | 750x250      | 186       | 235               | 575    | -     |
| 21G01342C0001 | 2000                | 2    | 250            | 1300   | 850x250      | 202       | 240               | 670    | -     |
| 21G01343C0002 | 2000                | 3    | 250            | 1300   | 850x250      | 202       | 240               | 790    | -     |
| 21G01343C0003 | 2000                | 3    | 250            | 1600   | 850x250      | 202       | 245               | 960    | -     |
| 21G013G3C0004 | 2600                | 3    | 300            | 1300   | 900x250      | 215       | 250               | 860    | -     |
| 21G013G3C0005 | 2600                | 3    | 480            | 1600   | 900x250      | 215       | 260               | 995    | -     |
| 21G013Q3C0001 | 3000                | 3    | 250            | 1300   | 1015x300     | 225       | 265               | 1060   | -     |
| 21G013W4C0001 | 3600                | 4    | 480            | 1800   | 1050x300     | 255       | 270               | 1495   | -     |

|   | ISO (L/min) | 2  | 3  | 4  |
|---|-------------|----|----|----|
|   |             |    |    |    |
| + | Clamping    | 25 | 30 | 35 |
| ↻ | Rotation    | 25 | 25 | 35 |

Hydraulic Functions: 2  
Max working pressure: 175 Bar

Accessories page 117

340 DF 360° Rotating Roll Clamp with short fixed arm and long split arm



FEATURES

- Clamping and rotation of one or more overlapping rolls of different diameters. • Short fixed arm and long split arm. • 360° or 180° rotation with mechanical block.

SPECIAL EQUIPMENT

- Custom made capacities/openings. • Custom made Contact Pads. • Rotating or Fixed Clamp with parallel arms with reduced dimensions for container loading/unloading operations.

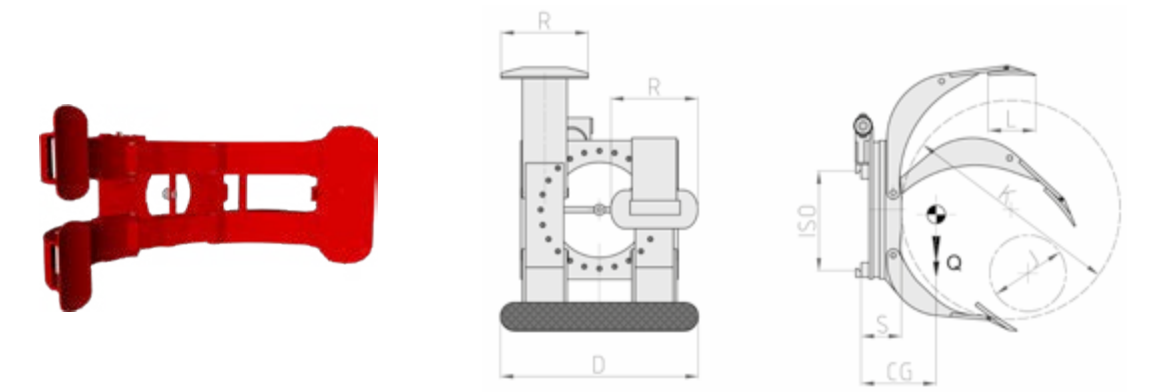
| Article       | Attachment Capacity | ISO  | Rolls Diameter |        | Short Arm Contact Pad | Long Arm Contact Pads | Thickness | Centre of Gravity | Weight | Price |
|---------------|---------------------|------|----------------|--------|-----------------------|-----------------------|-----------|-------------------|--------|-------|
|               |                     |      |                |        |                       |                       |           |                   |        |       |
| Nº            | P (Kg)              | 2328 | J (mm)         | K (mm) | DxL (mm)              | RxL (mm)              | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 21G022G2C0001 | 900                 | 2    | 350            | 1100   | 700x200               | 310x200               | 178       | 200               | 420    | -     |
| 21G022G2C0002 | 900                 | 2    | 350            | 1400   | 700x200               | 310x200               | 178       | 205               | 470    | -     |
| 21G022Q2C0001 | 1300                | 2    | 400            | 1150   | 750x250               | 315x250               | 186       | 220               | 480    | -     |
| 21G022Q2C0002 | 1300                | 2    | 400            | 1300   | 750x250               | 315x250               | 186       | 230               | 515    | -     |
| 21G02342C0001 | 2000                | 2    | 400            | 1300   | 850x250               | 365x250               | 202       | 235               | 605    | -     |
| 21G02343C0001 | 2000                | 3    | 400            | 1300   | 850x250               | 365x250               | 202       | 235               | 735    | -     |
| 21G02343C0003 | 2000                | 3    | 400            | 1600   | 850x250               | 365x250               | 202       | 240               | 805    | -     |
| 21G023G3C0003 | 2600                | 3    | 550            | 1300   | 900x250               | 390x250               | 215       | 245               | 855    | -     |
| 21G023G3C0004 | 2600                | 3    | 750            | 1600   | 900x250               | 390x250               | 215       | 255               | 915    | -     |
| 21G023Q3C0001 | 3000                | 3    | 400            | 1300   | 1015x300              | 445x300               | 225       | 260               | 970    | -     |
| 21G023W4C0001 | 3600                | 4    | 750            | 1800   | 1050x300              | 465x300               | 255       | 275               | 1410   | -     |

|   | ISO (L/min) | 2  | 3  | 4  |
|---|-------------|----|----|----|
|   |             |    |    |    |
| + | Clamping    | 25 | 30 | 35 |
| ↻ | Rotation    | 25 | 25 | 35 |

Hydraulic Functions: 2  
Max working pressure: 175 Bar

Accessories page 117

340 DM 360° Rotating Roll Clamp with adjustable arms and long split arm



FEATURES

- Clamping and rotation of one or more overlapping rolls of different diameters. • Short adjustable arm and long split arm. • 360° or 180° rotation with mechanical block.

SPECIAL EQUIPMENT

- Custom made capacities/openings. • Custom made Contact Pads. • Rotating or Fixed Clamp with parallel arms with reduced dimensions for container loading/unloading operations.

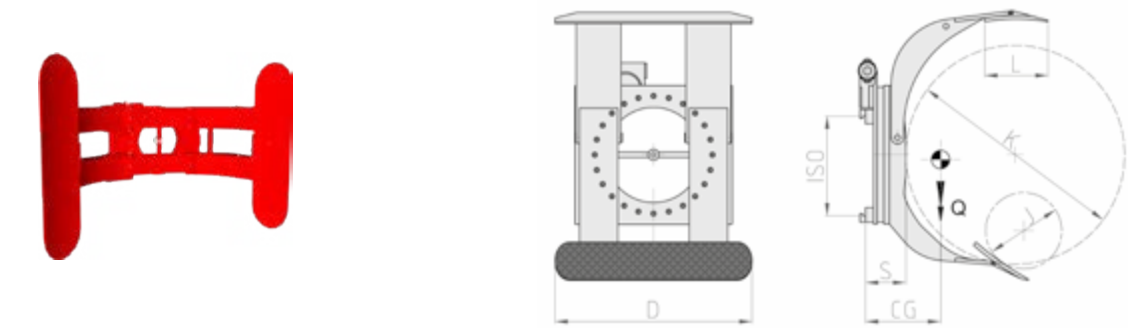
| Article       | Attachment Capacity | ISO  | Rolls Diameter |        | Short Arm Contact Pad | Long Arm Contact Pads | Thickness | Centre of Gravity | Weight | Price |
|---------------|---------------------|------|----------------|--------|-----------------------|-----------------------|-----------|-------------------|--------|-------|
|               |                     |      |                |        |                       |                       |           |                   |        |       |
| Nº            | P (Kg)              | 2328 | J (mm)         | K (mm) | DxL (mm)              | RxL (mm)              | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 21G032G2C0001 | 900                 | 2    | 250            | 1100   | 700x200               | 310x200               | 178       | 205               | 445    | -     |
| 21G032G2C0002 | 900                 | 2    | 250            | 1400   | 700x200               | 310x200               | 178       | 210               | 505    | -     |
| 21G032Q2C0001 | 1300                | 2    | 250            | 1150   | 750x250               | 315x250               | 186       | 225               | 540    | -     |
| 21G032Q2C0002 | 1300                | 2    | 250            | 1300   | 750x250               | 315x250               | 186       | 235               | 560    | -     |
| 21G03342C0001 | 2000                | 2    | 250            | 1300   | 850x250               | 365x250               | 202       | 240               | 650    | -     |
| 21G03343C0001 | 2000                | 3    | 250            | 1300   | 850x250               | 365x250               | 202       | 240               | 770    | -     |
| 21G03343C0002 | 2000                | 3    | 250            | 1600   | 850x250               | 365x250               | 202       | 245               | 840    | -     |
| 21G033G3C0003 | 2600                | 3    | 300            | 1300   | 900x250               | 390x250               | 215       | 250               | 910    | -     |
| 21G033G3C0004 | 2600                | 3    | 480            | 1600   | 900x250               | 390x250               | 215       | 260               | 975    | -     |
| 21G033Q3C0001 | 3000                | 3    | 250            | 1300   | 1015x300              | 445x300               | 225       | 265               | 1030   | -     |
| 21G033W4C0001 | 3600                | 4    | 480            | 1800   | 1050x300              | 465x300               | 255       | 270               | 1465   | -     |

|   | ISO (L/min) | 2  | 3  | 4  |
|---|-------------|----|----|----|
|   |             |    |    |    |
| + | Clamping    | 25 | 30 | 35 |
| ↻ | Rotation    | 25 | 25 | 35 |

Hydraulic Functions: 2  
Max working pressure: 175 Bar

Accessories page 117

340 TF 360° Rotating TISSUE Roll Clamp with short fixed arm



- FEATURES
- Clamping and rotation of one or more overlapping rolls of the same diameter. • Short fixed arm and long entire arm. • 360° or 180° rotation with mechanical block.
- SPECIAL EQUIPMENT
- Custom made capacities/openings. • Custom made Contact Pads. • Rotating or Fixed Clamp with parallel arms with reduced dimensions for container loading/unloading operations.

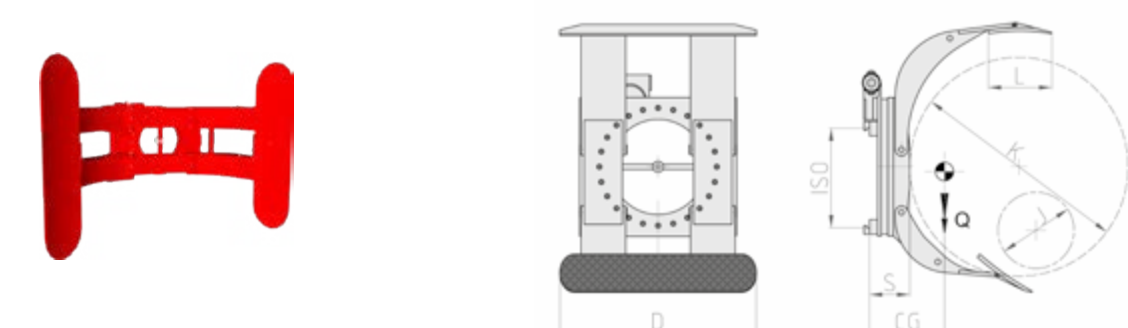
| Article       | Attachment Capacity | ISO  | Rolls Diameter |        | Contact Pads | Thickness | Centre of Gravity | Weight | Price |
|---------------|---------------------|------|----------------|--------|--------------|-----------|-------------------|--------|-------|
| Nº            | P (Kg)              | 2328 | J (mm)         | K (mm) | DxL (mm)     | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 21G042G2C0001 | 900                 | 2    | 350            | 1400   | 850x300      | 178       | 215               | 495    | -     |
| 21G042Q2C0001 | 1300                | 2    | 400            | 1600   | 1300x350     | 186       | 250               | 620    | -     |
| 21G04343C0001 | 2000                | 3    | 400            | 1600   | 1400x350     | 202       | 260               | 835    | -     |
| 21G043G3C0001 | 2600                | 3    | 750            | 1800   | 1400x350     | 215       | 275               | 1350   | -     |
| 21G043G4C0007 | 2600                | 4    | 1000           | 2400   | 1400x350     | 270       | 285               | 1870   | -     |

| ISO (L/min) | 2  | 3  | 4  |
|-------------|----|----|----|
| Clamping    | 25 | 30 | 30 |
| Rotation    | 25 | 25 | 30 |

Hydraulic Functions: 2  
Max working pressure: 175 Bar

Accessories page 117

340 TM 360° Rotating TISSUE Roll Clamp with adjustable arms



- FEATURES
- Clamping and rotation of one or more overlapping rolls of the same diameter. • Short adjustable arm and long entire arm. • 360° or 180° rotation with mechanical block.
- SPECIAL EQUIPMENT
- Custom made capacities/openings. • Custom made Contact Pads. • Rotating or Fixed Clamp with parallel arms with reduced dimensions for container loading/unloading operations.

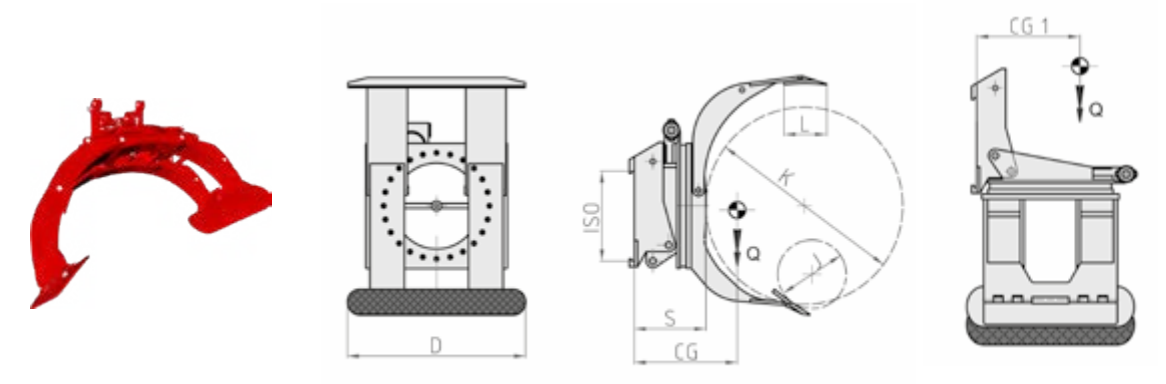
| Article       | Attachment Capacity | ISO  | Rolls Diameter |        | Contact Pads | Thickness | Centre of Gravity | Weight | Price |
|---------------|---------------------|------|----------------|--------|--------------|-----------|-------------------|--------|-------|
| Nº            | P (Kg)              | 2328 | J (mm)         | K (mm) | DxL (mm)     | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 21G052G2C0001 | 900                 | 2    | 250            | 1400   | 850x300      | 178       | 220               | 525    | -     |
| 21G052Q2C0001 | 1300                | 2    | 250            | 1600   | 1300x350     | 186       | 255               | 650    | -     |
| 21G05343C0001 | 2000                | 3    | 250            | 1600   | 1400x350     | 202       | 265               | 1025   | -     |
| 21G053G3C0001 | 2600                | 3    | 480            | 1800   | 1400x350     | 215       | 280               | 1140   | -     |
| 21G053G4C0005 | 2600                | 4    | 480            | 2400   | 1400x350     | 270       | 285               | 1980   | -     |

| ISO (L/min) | 2  | 3  | 4  |
|-------------|----|----|----|
| Clamping    | 25 | 30 | 30 |
| Rotation    | 25 | 25 | 30 |

Hydraulic Functions: 2  
Max working pressure: 175 Bar

Accessories page 117

342 SF 360° Rotating Roll Clamp with 90° forward tipping and short fixed arm



FEATURES

SPECIAL EQUIPMENT

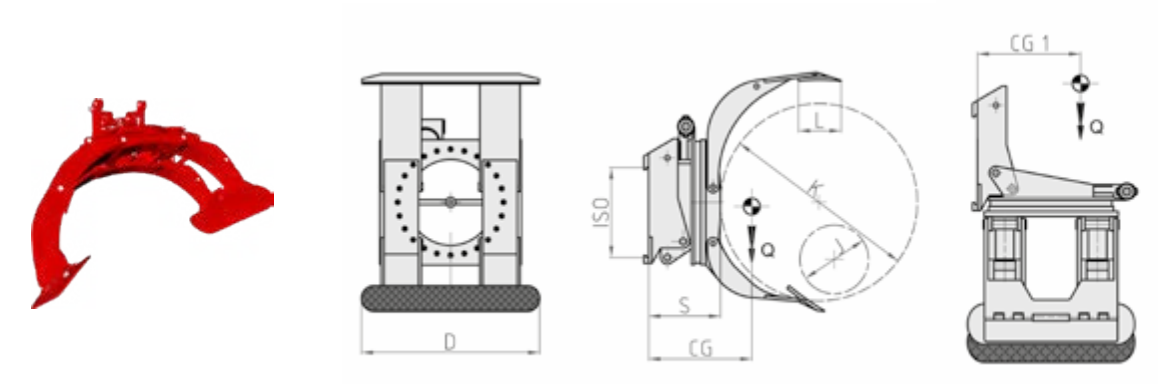
- Clamping and rotation of one or more overlapping rolls of the same diameter.
  - Short fixed arm and long entire arm.
  - 360° or 180° rotation with mechanical block.
  - 90° frontal tipping to take rolls lying perpendicularly to the Forklift.
- Custom made capacities/openings.
  - Custom made Contact Pads.
  - Rotating or Fixed Clamp with parallel arms with reduced dimensions for container loading/unloading operations.

| Article       | Attachment Capacity | ISO  | Rolls Diameter |        | Contact Pads | Thickness | Centre of Gravity | Centre of Gravity | Weight | Price |
|---------------|---------------------|------|----------------|--------|--------------|-----------|-------------------|-------------------|--------|-------|
| Nº            | P (Kg)              | 2328 | J (mm)         | K (mm) | DxL (mm)     | S (mm)    | CG (mm)           | CG1 (mm)          | Q (Kg) | €     |
| 21J002G2C0001 | 900                 | 2    | 350            | 1100   | 700x200      | 295       | 265               | 390               | 640    | -     |
| 21J002G2C0002 | 900                 | 2    | 350            | 1400   | 700x200      | 295       | 270               | 410               | 690    | -     |
| 21J002Q2C0001 | 1300                | 2    | 400            | 1150   | 750x250      | 295       | 285               | 430               | 705    | -     |
| 21J002Q2C0002 | 1300                | 2    | 400            | 1300   | 750x250      | 295       | 290               | 440               | 740    | -     |
| 21J00342C0001 | 2000                | 2    | 400            | 1300   | 850x250      | 310       | 300               | 470               | 820    | -     |
| 21J00343C0001 | 2000                | 3    | 400            | 1300   | 850x250      | 335       | 300               | 470               | 1020   | -     |
| 21J00343C0002 | 2000                | 3    | 400            | 1600   | 850x250      | 335       | 305               | 490               | 1090   | -     |
| 21J003G3C0001 | 2600                | 3    | 550            | 1300   | 900x250      | 370       | 310               | 500               | 1195   | -     |
| 21J003G3C0002 | 2600                | 3    | 750            | 1600   | 900x250      | 370       | 320               | 530               | 1260   | -     |
| 21J003Q3C0001 | 3000                | 3    | 400            | 1300   | 1015x300     | 380       | 325               | 525               | 1510   | -     |
| 21J003W4C0001 | 3600                | 4    | 750            | 1800   | 1050x300     | 420       | 330               | 575               | 1840   | -     |

| ISO (L/min) | 2  | 3  | 4  |
|-------------|----|----|----|
| Clamping    | 25 | 30 | 35 |
| Rotation    | 25 | 25 | 35 |
| Tipping     | 20 | 20 | 25 |

Hydraulic Functions: 3  
Max working pressure: 175 Bar

342 SM 360° Rotating Roll Clamp with 90° forward tipping and adjustable arms



FEATURES

SPECIAL EQUIPMENT

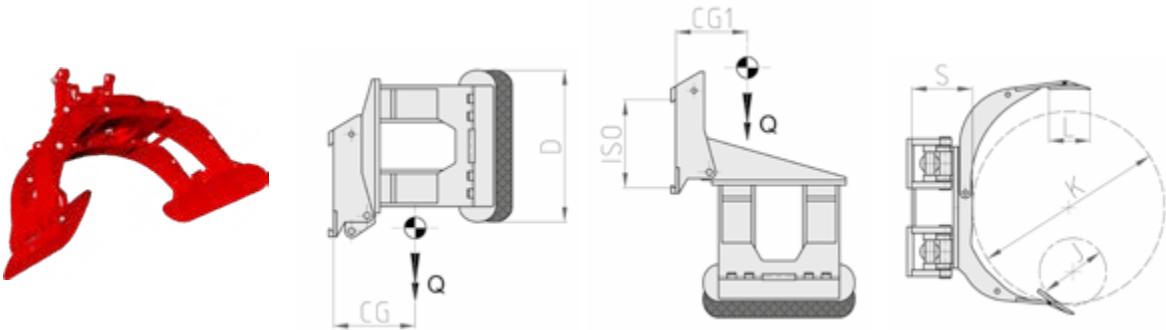
- Clamping and rotation of one or more overlapping rolls of the same diameter.
  - Short adjustable arm and long entire arm.
  - 360° or 180° rotation with mechanical block.
  - 90° frontal tipping to take rolls lying perpendicularly to the Forklift.
- Custom made capacities/openings.
  - Custom made Contact Pads.
  - Rotating or Fixed Clamp with parallel arms with reduced dimensions for container loading/unloading operations.

| Article       | Attachment Capacity | ISO  | Rolls Diameter |        | Contact Pads | Thickness | Centre of Gravity | Centre of Gravity | Weight | Price |
|---------------|---------------------|------|----------------|--------|--------------|-----------|-------------------|-------------------|--------|-------|
| Nº            | P (Kg)              | 2328 | J (mm)         | K (mm) | DxL (mm)     | S (mm)    | CG (mm)           | CG1 (mm)          | Q (Kg) | €     |
| 21J012G2C0001 | 900                 | 2    | 250            | 1100   | 700x200      | 295       | 270               | 395               | 700    | -     |
| 21J012G2C0002 | 900                 | 2    | 250            | 1400   | 700x200      | 295       | 275               | 415               | 740    | -     |
| 21J012Q2C0001 | 1300                | 2    | 250            | 1150   | 750x250      | 295       | 290               | 435               | 760    | -     |
| 21J012Q2C0002 | 1300                | 2    | 250            | 1300   | 750x250      | 295       | 295               | 445               | 790    | -     |
| 21J01342C0001 | 2000                | 2    | 250            | 1300   | 850x250      | 310       | 305               | 475               | 890    | -     |
| 21J01343C0001 | 2000                | 3    | 250            | 1300   | 850x250      | 335       | 305               | 475               | 1080   | -     |
| 21J01343C0002 | 2000                | 3    | 250            | 1600   | 850x250      | 335       | 310               | 495               | 1150   | -     |
| 21J013G3C0001 | 2600                | 3    | 300            | 1300   | 900x250      | 370       | 315               | 505               | 1265   | -     |
| 21J013G3C0002 | 2600                | 3    | 480            | 1600   | 900x250      | 370       | 325               | 535               | 1320   | -     |
| 21J013Q3C0001 | 3000                | 3    | 250            | 1300   | 1015x300     | 380       | 330               | 530               | 1580   | -     |
| 21J013W4C0001 | 3600                | 4    | 480            | 1800   | 1050x300     | 420       | 335               | 580               | 1920   | -     |

| ISO (L/min) | 2  | 3  | 4  |
|-------------|----|----|----|
| Clamping    | 25 | 30 | 35 |
| Rotation    | 25 | 25 | 35 |
| Tipping     | 20 | 20 | 25 |

Hydraulic Functions: 3  
Max working pressure: 175 Bar

343 SF Roll Clamp with 90° forward tipping and short fixed arm



FEATURES

- Short fixed arm and long entire arm.
- 90° frontal tipping to take rolls lying perpendicularly to the Forklift.

SPECIAL EQUIPMENT

- Custom made capacities/openings.
- Custom made Contact Pads.
- Rotating or Fixed Clamp with parallel arms with reduced dimensions for container loading/unloading operations.

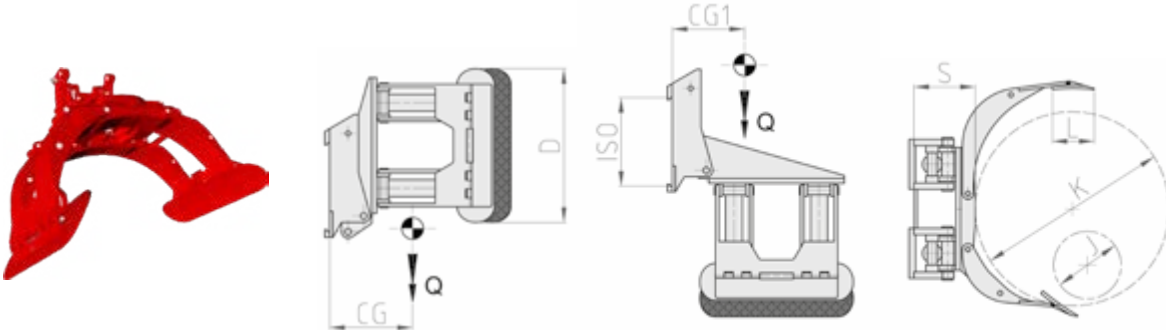
| Article       | Attachment Capacity | ISO | Rolls Diameter |        | Contact Pads | Thickness | Centre of Gravity |          | Weight | Price |
|---------------|---------------------|-----|----------------|--------|--------------|-----------|-------------------|----------|--------|-------|
|               | Nº                  |     | J (mm)         | K (mm) |              |           | CG (mm)           | CG1 (mm) |        |       |
| 21K002G2C0001 | 900                 | 2   | 350            | 1100   | 700x200      | 235       | 215               | 320      | 510    | -     |
| 21K002G2C0002 | 900                 | 2   | 350            | 1400   | 700x200      | 235       | 220               | 340      | 560    | -     |
| 21K002Q2C0001 | 1300                | 2   | 400            | 1150   | 750x250      | 235       | 235               | 360      | 590    | -     |
| 21K002Q2C0002 | 1300                | 2   | 400            | 1300   | 750x250      | 235       | 240               | 370      | 615    | -     |
| 21K00342C0001 | 2000                | 2   | 400            | 1300   | 850x250      | 250       | 250               | 400      | 730    | -     |
| 21K00343C0001 | 2000                | 3   | 400            | 1300   | 850x250      | 265       | 250               | 400      | 800    | -     |
| 21K00343C0002 | 2000                | 3   | 400            | 1600   | 850x250      | 265       | 255               | 420      | 850    | -     |
| 21K003G3C0001 | 2600                | 3   | 550            | 1300   | 900x250      | 300       | 260               | 430      | 990    | -     |
| 21K003G3C0002 | 2600                | 3   | 750            | 1600   | 900x250      | 300       | 270               | 460      | 1040   | -     |
| 21K003Q3C0001 | 3000                | 3   | 400            | 1300   | 1015x300     | 310       | 275               | 455      | 1070   | -     |
| 21K003W4C0001 | 3600                | 4   | 750            | 1800   | 1050x300     | 320       | 280               | 505      | 1495   | -     |

| ISO (L/min) | 2  | 3  | 4  |
|-------------|----|----|----|
| Clamping    | 25 | 30 | 35 |
| Tipping     | 20 | 20 | 25 |

Hydraulic Functions: 2  
Max working pressure: 175 Bar

Accessories page 117

343 SM Roll Clamp with 90° forward tipping and adjustable arms



FEATURES

- Short adjustable arm and long entire arm.
- 90° frontal tipping to take rolls lying perpendicularly to the Forklift.

SPECIAL EQUIPMENT

- Custom made capacities/openings.
- Custom made Contact Pads.
- Rotating or Fixed Clamp with parallel arms with reduced dimensions for container loading/unloading operations.

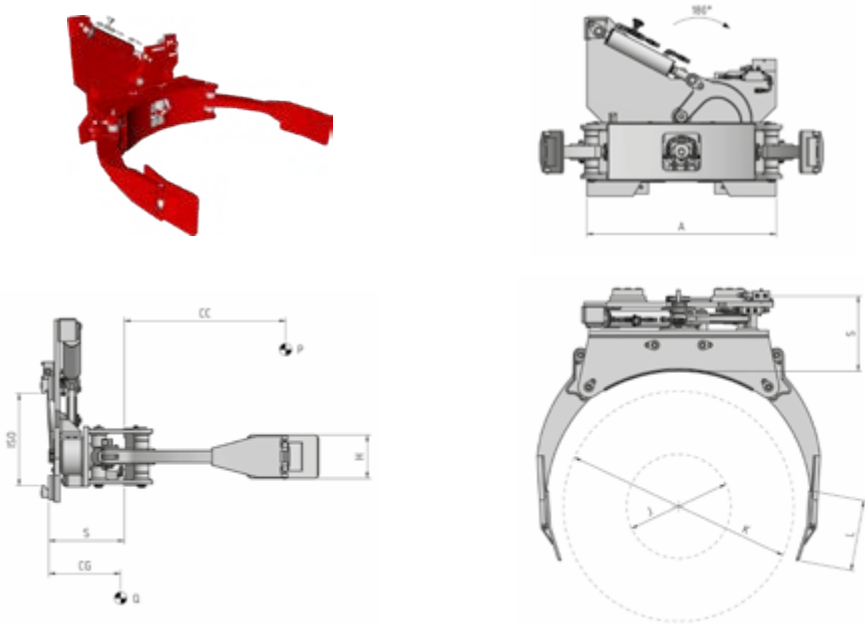
| Article       | Attachment Capacity | ISO | Rolls Diameter |        | Contact Pads | Thickness | Centre of Gravity |          | Weight | Price |
|---------------|---------------------|-----|----------------|--------|--------------|-----------|-------------------|----------|--------|-------|
|               | Nº                  |     | J (mm)         | K (mm) |              |           | CG (mm)           | CG1 (mm) |        |       |
| 21K012G2C0001 | 900                 | 2   | 250            | 1100   | 700x200      | 235       | 220               | 325      | 560    | -     |
| 21K012G2C0002 | 900                 | 2   | 250            | 1400   | 700x200      | 235       | 225               | 345      | 610    | -     |
| 21K012Q2C0001 | 1300                | 2   | 250            | 1150   | 750x250      | 235       | 240               | 365      | 640    | -     |
| 21K012Q2C0002 | 1300                | 2   | 250            | 1300   | 750x250      | 235       | 245               | 375      | 665    | -     |
| 21K01342C0001 | 2000                | 2   | 250            | 1300   | 850x250      | 250       | 255               | 405      | 780    | -     |
| 21K01343C0001 | 2000                | 3   | 250            | 1300   | 850x250      | 265       | 255               | 405      | 850    | -     |
| 21K01343C0002 | 2000                | 3   | 250            | 1600   | 850x250      | 265       | 260               | 425      | 900    | -     |
| 21K013G3C0001 | 2600                | 3   | 300            | 1300   | 900x250      | 300       | 265               | 435      | 1040   | -     |
| 21K013G3C0002 | 2600                | 3   | 480            | 1600   | 900x250      | 300       | 275               | 465      | 1095   | -     |
| 21K013Q3C0001 | 3000                | 3   | 250            | 1300   | 1015x300     | 310       | 280               | 460      | 1120   | -     |
| 21K013W4C0001 | 3600                | 4   | 480            | 1800   | 1050x300     | 320       | 285               | 510      | 1545   | -     |

| ISO (L/min) | 2  | 3  | 4  |
|-------------|----|----|----|
| Clamping    | 25 | 30 | 35 |
| Tipping     | 20 | 20 | 25 |

Hydraulic Functions: 2  
Max working pressure: 175 Bar

Accessories page 117

364 Roll Clamp with reduced heights



FEATURES

SPECIAL EQUIPMENT

- Handling of Rolls with reduced heights (rolls of tape, sticky labels and packaging cartons for Food Industry).
  - 90°/180°/360° rotation.
- Custom made capacities/openings.
  - Custom made Contact Pads.
  - Rotating or Fixed Clamp with parallel arms with reduced dimensions for container loading/unloading operations.

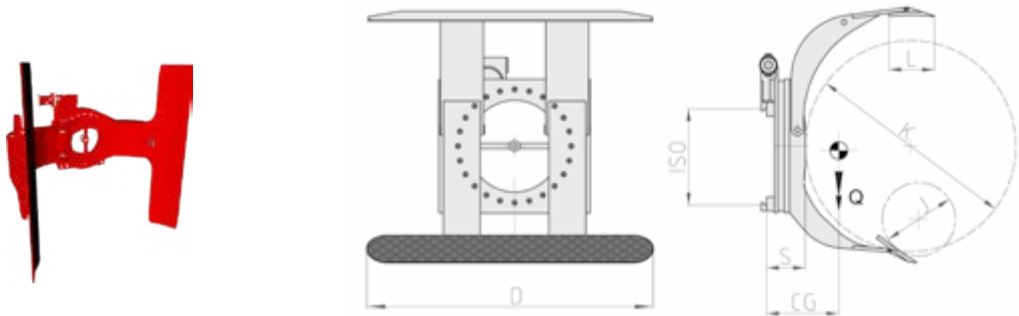
| Article | Attachment Capacity | Load Centre of Gravity | ISO  | Rotation | Carriage Width | Rolls Diameter |        | Contact Pads | Thickness | Centre of Gravity | Weight | Price |
|---------|---------------------|------------------------|------|----------|----------------|----------------|--------|--------------|-----------|-------------------|--------|-------|
| Nº      | P (Kg)              | CC (mm)                | 2328 | R (n°)   | A (mm)         | J (mm)         | K (mm) | HxL (mm)     | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 73AF022 | 400                 | 625                    | 2    | 90       | 800            | 300            | 1250   | 160x200      | 350       | 236               | 295    | -     |
| 73AF023 | 400                 | 625                    | 2    | 180      | 800            | 300            | 1250   | 180x300      | 350       | 236               | 300    | -     |
| 73AF029 | 500                 | 600                    | 2    | 360      | 620            | 300            | 1200   | 180x300      | 310       | 260               | 330    | -     |

| ISO (L/min) | 2  |
|-------------|----|
| Clamping    | 25 |
| Rotation    | 15 |

Hydraulic Functions: 2  
Max working pressure: 175 Bar

Accessories page 117

340 PN Tyres Clamp



FEATURES

SPECIAL EQUIPMENT

- Clamping and rotation of more overlapping tyres of the same diameter.
  - Short fixed arm or both adjustable arms (depending on the range of gripping diameters).
  - 360° or 180° rotation with mechanical block.
- Custom made capacities/openings.
  - Custom made Contact Pads.
  - Rotating or Fixed Clamp with parallel arms with reduced dimensions for container loading/unloading operations.

| Article       | Attachment Capacity | ISO  | Tyres Diameter |        | Contact Pads | Thickness | Centre of Gravity | Weight | Price |
|---------------|---------------------|------|----------------|--------|--------------|-----------|-------------------|--------|-------|
| Nº            | P (Kg)              | 2328 | J (mm)         | K (mm) | DxL (mm)     | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 21G042Q2C0002 | 1300                | 2    | 400            | 1300   | 1800x350     | 186       | 255               | 535    | -     |
| 21G052Q2C0002 | 1300                | 2    | 250            | 1300   | 1800x350     | 186       | 235               | 520    | -     |
| 21G002Q2C0023 | 1300                | 2    | 400            | 1300   | 2050x350     | 230       | 235               | 650    | -     |
| 21G042Q2C0004 | 1300                | 2    | 400            | 1600   | 1800x350     | 186       | 305               | 585    | -     |
| 21G052Q3C0001 | 1300                | 3    | 500            | 1600   | 1800x350     | 210       | 255               | 690    | -     |
| 21G042Q3C0002 | 1400                | 3    | 500            | 1800   | 1800x350     | 210       | 260               | 915    | -     |
| 21G00343C0005 | 2000                | 3    | 700            | 2000   | 1930x300     | 215       | 265               | 945    | -     |

| ISO (L/min) | 2  | 3  |
|-------------|----|----|
| Clamping    | 25 | 30 |
| Rotation    | 25 | 25 |

Hydraulic Functions: 2  
Max working pressure: 175 Bar

Accessories page 117



Accessories on request €

|                                                                     |         |
|---------------------------------------------------------------------|---------|
| Hoses and Fitting Kit (for each hydraulic function)                 | -       |
| Hoses and quick-release Couplings Kit (for each hydraulic function) | -       |
| Pressure Gauge                                                      | -       |
| Quick-release Hooks                                                 | -       |
| Solenoid valve two functions with Electric Kit                      | -       |
| 3 positions pressure relief valve                                   | -       |
| Manual Pressure-Relief Panel with Pressure Gauge and Indicator Lamp | -       |
| Electronic Pressure-Relief Panel with Keyboard and Indicator Lamp   | -       |
| Automatic Pressure-Relief System                                    | -       |
|                                                                     | ISO 2 - |
|                                                                     | ISO 3 - |
|                                                                     | ISO 4 - |
| SLS - Semi-Integral Sideshift                                       | -       |
| Automatic Greasing System for Semi Integral Sideshift               | -       |
| Mechanical block of the rotation                                    | -       |

Contact Pads €

|                                              |                                                                                       |   |
|----------------------------------------------|---------------------------------------------------------------------------------------|---|
| Contact Plates with corundum coating         |  | - |
| Milled Contact Plates                        |  | - |
| Contact Plates with standard rubber coating  |  | - |
| Contact Plates with smooth rubber coating    |  | - |
| Contact Plates with honeycomb rubber coating |  | - |

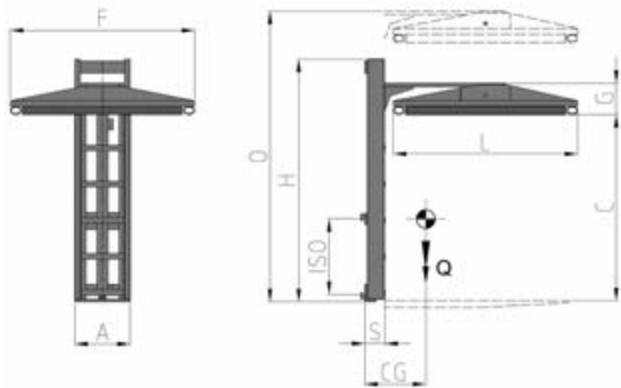


# 09

## HYDRAULIC & MECHANICAL ATTACHMENTS

|                                                            |     |
|------------------------------------------------------------|-----|
| <b>951</b><br>Load Stabilizer                              | 120 |
| <b>490</b><br>Load Push                                    | 121 |
| <b>505</b><br>Sideshifting Push-Pull with Sheet Retention  | 122 |
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951 Load Stabilizer



FEATURES

- Stabilization of unstable/voluminous/overlapping loads on pallets.
- It can be installed on: the original Fork Carriage of the Forklift/ Sideshifts/Double or Triple Sideshifts/Fork Positioners/Clamps/Rotators.

SPECIAL EQUIPMENT

- Custom made openings, also available with double cylinder.
- Custom made Plate dimensions.

| Article    | ISO  | Opening Range |            | Frame  |        |        | Plate Dimensions |        |        | Thickness | Centre of Gravity | Weight | Price |
|------------|------|---------------|------------|--------|--------|--------|------------------|--------|--------|-----------|-------------------|--------|-------|
| Nº         | 2328 | C Min (mm)    | C Max (mm) | A (mm) | H (mm) | O (mm) | F (mm)           | L (mm) | G (mm) | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 29F52A061  | 2    | 1000          | 1900       | 300    | 1300   | 2035   | 1000             | 1000   | 150    | 120       | 255               | 220    | -     |
| 29F52A053  | 2    | 1000          | 1900       | 300    | 1300   | 2035   | 1000             | 1150   | 150    | 120       | 270               | 225    | -     |
| 29F52A049* | 2    | 1000          | 2300       | 300    | 1700   | 2500   | 1000             | 1000   | 150    | 120       | 255               | 245    | -     |
| 29F52A035* | 2    | 1000          | 2300       | 300    | 1700   | 2500   | 1000             | 1150   | 150    | 120       | 270               | 250    | -     |
| 29F52A062  | 2    | 1100          | 2200       | 300    | 1500   | 2485   | 1000             | 1000   | 150    | 120       | 255               | 230    | -     |
| 29F52A063  | 2    | 1100          | 2200       | 300    | 1500   | 2485   | 1000             | 1150   | 150    | 120       | 270               | 235    | -     |
| 29F52A064  | 2    | 1200          | 2100       | 300    | 1425   | 2235   | 1000             | 1000   | 150    | 120       | 255               | 225    | -     |
| 29F52A065  | 2    | 1200          | 2100       | 300    | 1425   | 2235   | 1000             | 1150   | 150    | 120       | 270               | 230    | -     |
| 29F52A066  | 2    | 1200          | 2200       | 300    | 1425   | 2425   | 1000             | 1000   | 150    | 120       | 255               | 225    | -     |
| 29F52A067  | 2    | 1200          | 2200       | 300    | 1425   | 2425   | 1000             | 1150   | 150    | 120       | 270               | 230    | -     |
| 29F52A068  | 2    | 1200          | 2300       | 300    | 1430   | 2430   | 1000             | 1000   | 150    | 120       | 255               | 230    | -     |
| 29F52A046  | 2    | 1200          | 2300       | 300    | 1430   | 2430   | 1000             | 1150   | 150    | 120       | 270               | 235    | -     |
| 29F52A069  | 2    | 1300          | 2200       | 300    | 1500   | 2400   | 1000             | 1000   | 150    | 120       | 255               | 235    | -     |
| 29F52A070  | 2    | 1300          | 2200       | 300    | 1500   | 2400   | 1000             | 1150   | 150    | 120       | 270               | 240    | -     |

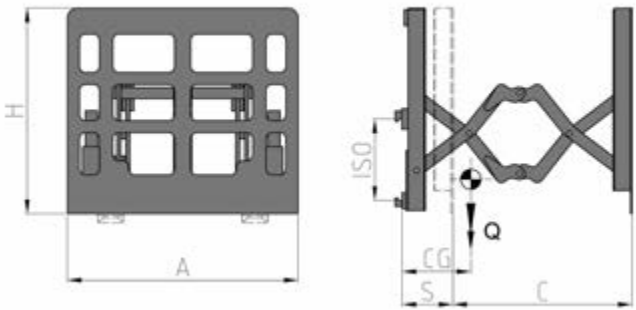
\* Double Cylinder models

|  |                   |    |
|--|-------------------|----|
|  | ISO (L/min)       | 2  |
|  | Vertical Clamping | 15 |

Hydraulic Functions: 1  
Max working pressure: 175 Bar

Accessories page 133

490 Load Push



FEATURES

- Handling of non-palletized goods/positioning of non-palletized goods in double depth.
- The elimination of the pallet reduces the packing costs and the encumbrances in the warehouses, and increases the volume of the transportable goods.

SPECIAL EQUIPMENT

- Custom made capacities/strokes.

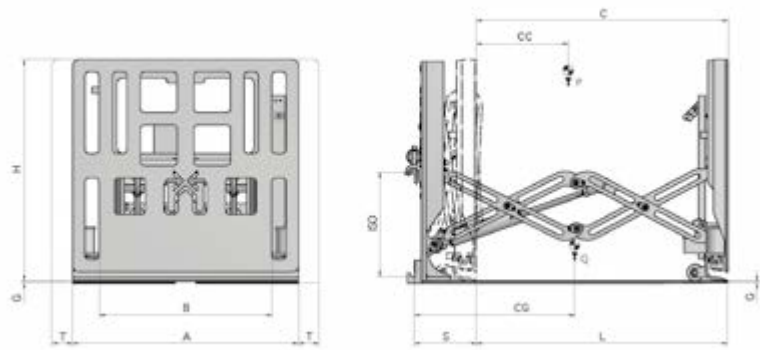
| Article     | Attachment Capacity | ISO  | Width  | Height | Stroke | Thickness | Centre of Gravity | Weight | Price |
|-------------|---------------------|------|--------|--------|--------|-----------|-------------------|--------|-------|
| Nº          | P (Kg)              | 2328 | A (mm) | H (mm) | C (mm) | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 35A2J2A0001 | 1500                | 2    | 1200   | 1070   | 820    | 230       | 145               | 325    | -     |
| 35A2J2A0002 | 1500                | 2    | 1200   | 1070   | 1070   | 230       | 145               | 335    | -     |
| 35A2J2A0003 | 1500                | 2    | 1200   | 1170   | 1220   | 230       | 145               | 350    | -     |
| 35A2U2A0001 | 2500                | 2*   | 1200   | 1070   | 820    | 235       | 150               | 350    | -     |
| 35A2U2A0002 | 2500                | 2*   | 1200   | 1070   | 1070   | 235       | 150               | 360    | -     |
| 35A2U2A0003 | 2500                | 2*   | 1200   | 1170   | 1220   | 235       | 150               | 380    | -     |

|  |                 |        |
|--|-----------------|--------|
|  | ISO (L/min)     | 2      |
|  | Opening/Closing | 20/30* |

Hydraulic Functions: 1  
Max working pressure: 175 Bar

Accessories page 133

505 Sideshifting Push-Pull with Sheet Retention



FEATURES

• Handling of non-palletized goods. • Allows to recover sheets of paper, cardboard, or plastic. • The elimination of the pallet reduces the packing costs and the encumbrances in the warehouses, and increases the volume of the transportable goods.

SPECIAL EQUIPMENT

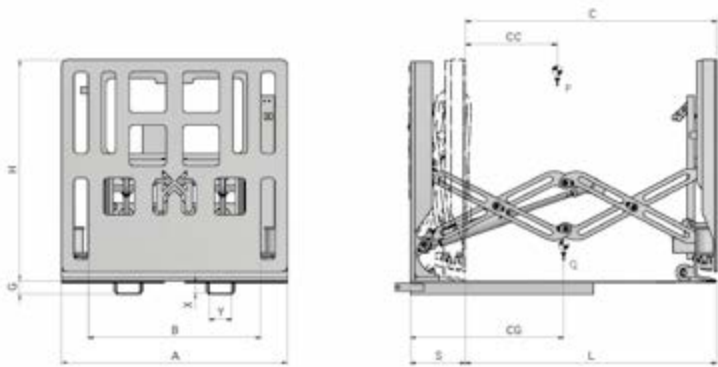
• Custom made capacities/strokes. • Models with no Sideshift/Sheet Retention are available.

| Article     | Attachment Capacity | Load Centre of Gravity | ISO  | Stroke | Height | Load Platform |        |        | Thickness | Centre of Gravity | Weight | Price |
|-------------|---------------------|------------------------|------|--------|--------|---------------|--------|--------|-----------|-------------------|--------|-------|
| Nº          | P (Kg)              | CC (mm)                | 2328 | C (mm) | H (mm) | A (mm)        | L (mm) | G (mm) | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 33B2J2A2001 | 1000                | 550                    | 2    | 1120   | 1000   | 1200          | 1070   | 20     | 270       | 235               | 620    | -     |
| 33B2J2A2002 | 1000                | 650                    | 2    | 1270   | 1100   | 1200          | 1220   | 20     | 270       | 245               | 685    | -     |
| 33B2U2A2001 | 1500                | 550                    | 2    | 1120   | 1000   | 1250          | 1070   | 25     | 275       | 240               | 720    | -     |
| 33B2U3A2002 | 1500                | 650                    | 3    | 1270   | 1100   | 1250          | 1220   | 25     | 275       | 250               | 790    | -     |
| 33B343A2001 | 2000                | 550                    | 3    | 1120   | 1000   | 1250          | 1070   | 30     | 300       | 270               | 830    | -     |
| 33B343A2002 | 2000                | 650                    | 3    | 1270   | 1100   | 1250          | 1220   | 30     | 300       | 280               | 920    | -     |

| ISO (L/min)       | 2  | 3  |
|-------------------|----|----|
| ↔ Shifting        | 10 | 15 |
| ↕ Opening/Closing | 15 | 20 |
| ⦿ Clamping        | 10 | 15 |

Hydraulic Functions: 2  
Electrical functions: 1  
Max working pressure: 175 Bar

505i Fork mounted Push-Pull with Sheet Retention



FEATURES

• Fork mounted attachment. • Handling of non-palletized goods. • Allows to recover sheets of paper, cardboard, or plastic. • The elimination of the pallet reduces the packing costs and the encumbrances in the warehouses, and increases the volume of the transportable goods.

SPECIAL EQUIPMENT

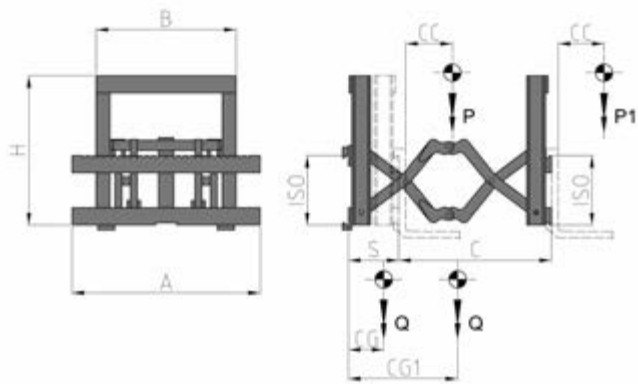
• Custom made capacities/strokes. • Models with no Sheet Retention are available.

| Article     | Attachment Capacity | Load Centre of Gravity | Forks Mounting Section | Stroke | Height | Load Platform |        |        | Thickness | Centre of Gravity | Weight | Price |
|-------------|---------------------|------------------------|------------------------|--------|--------|---------------|--------|--------|-----------|-------------------|--------|-------|
| Nº          | P (Kg)              | CC (mm)                | YxX (mm)               | C (mm) | H (mm) | A (mm)        | L (mm) | G (mm) | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 33B2J6D0001 | 1000                | 550                    | 117x45                 | 1120   | 1000   | 1200          | 1070   | 55     | 270       | 235               | 585    | -     |
| 33B2J6D0002 | 1000                | 650                    | 117x45                 | 1270   | 1100   | 1200          | 1220   | 55     | 270       | 245               | 650    | -     |
| 33B2U6D0001 | 1500                | 550                    | 142x45                 | 1120   | 1000   | 1250          | 1070   | 55     | 275       | 240               | 690    | -     |
| 33B2U6D0002 | 1500                | 650                    | 142x45                 | 1270   | 1100   | 1250          | 1220   | 55     | 275       | 250               | 760    | -     |
| 33B346D0001 | 2000                | 550                    | 142x45                 | 1120   | 1000   | 1250          | 1070   | 70     | 300       | 270               | 790    | -     |
| 33B346D0002 | 2000                | 650                    | 142x45                 | 1270   | 1100   | 1250          | 1220   | 70     | 300       | 280               | 890    | -     |

| ISO (L/min)       | 1000-1500 | 2000 |
|-------------------|-----------|------|
| ↕ Opening/Closing | 15        | 20   |
| ⦿ Clamping        | 10        | 15   |

Hydraulic Functions: 1  
Electrical functions: 1  
Max working pressure: 175 Bar

600 Load Extender



FEATURES

- Positioning of palletized goods in double depth.
- For double row storage or truck loading from one side only.
- Useful in narrow spaces that do not allow large manoeuvres.

SPECIAL EQUIPMENT

- Custom made capacities/strokes.

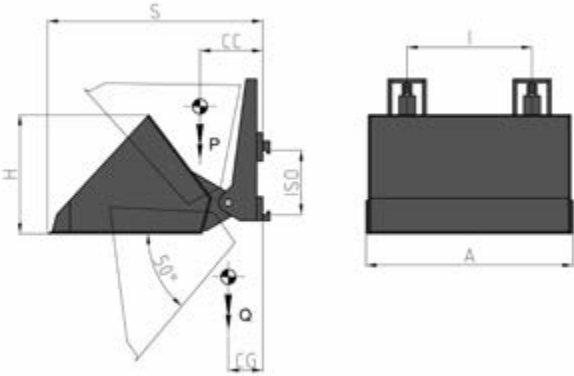
| Article     | Closed Attachment Capacity | Open Attachment Capacity | Load Centre of Gravity | Back ISO | Front ISO | Stroke | Frame Dimensions | Carriage Width | Thickness | Closed Centre of Gravity | Open Centre of Gravity | Weight | Price |
|-------------|----------------------------|--------------------------|------------------------|----------|-----------|--------|------------------|----------------|-----------|--------------------------|------------------------|--------|-------|
| Nº          | P (Kg)                     | P1 (Kg)                  | CC (mm)                | 2328     | 2328      | C (mm) | BxH (mm)         | A (mm)         | S (mm)    | CG (mm)                  | CG1 (mm)               | Q (Kg) | €     |
| 37ABS2C0002 | 1500                       | 800                      | 500                    | 2        | 2         | 950    | 800x1000         | 980            | 320       | 165                      | 645                    | 580    | -     |
| 37ABS2C0003 | 1500                       | 800                      | 500                    | 2        | 2         | 1200   | 800x1000         | 980            | 320       | 165                      | 770                    | 580    | -     |
| 37ABS2C0004 | 1500                       | 800                      | 500                    | 2        | 2         | 950    | 800x1000         | 1100           | 320       | 170                      | 650                    | 600    | -     |
| 37ABS2C0005 | 1500                       | 800                      | 500                    | 2        | 2         | 1200   | 800x1000         | 1100           | 320       | 170                      | 775                    | 600    | -     |
| 37AFA7C0001 | 2500                       | 1300                     | 500                    | 3        | 2*        | 950    | 800x1000         | 1100           | 330       | 170                      | 650                    | 615    | -     |
| 37AFA7C0002 | 2500                       | 1300                     | 500                    | 3        | 2*        | 1200   | 800x1000         | 1100           | 330       | 170                      | 780                    | 615    | -     |
| 37AFA7C0003 | 2500                       | 1300                     | 500                    | 3        | 2*        | 950    | 800x1000         | 1300           | 330       | 175                      | 670                    | 650    | -     |
| 37AFA7C0004 | 2500                       | 1300                     | 500                    | 3        | 2*        | 1200   | 800x1000         | 1300           | 330       | 175                      | 795                    | 650    | -     |
| 37AJU3C0006 | 4000                       | 2000                     | 500                    | 3        | 3         | 950    | 800x1000         | 1300           | 350       | 185                      | 675                    | 640    | -     |
| 37AJU3C0007 | 4000                       | 2000                     | 500                    | 3        | 3         | 1200   | 800x1000         | 1300           | 350       | 185                      | 800                    | 910    | -     |
| 37AJU3C0008 | 4000                       | 2000                     | 500                    | 3        | 3         | 950    | 800x1000         | 1650           | 350       | 200                      | 685                    | 960    | -     |
| 37AJU3C0009 | 4000                       | 2000                     | 500                    | 3        | 3         | 1200   | 800x1000         | 1650           | 350       | 200                      | 810                    | 960    | -     |

|  |                 |        |    |
|--|-----------------|--------|----|
|  | ISO (L/min)     | 2      | 3  |
|  | Opening/Closing | 20/30* | 30 |

Hydraulic Functions: 1  
Max working pressure: 175 Bar

Accessories page 133

965 Hydraulic Bucket



FEATURES

- Materials loading/unloading operations for Building Industry (sand, gravel, concrete, terrain).
- Can also be used in Agriculture.

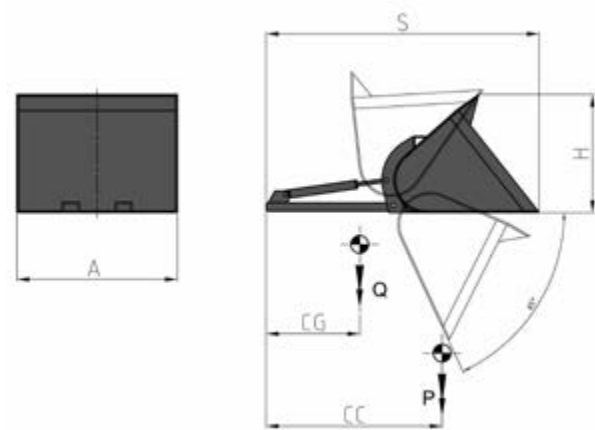
| Article    | Attachment Capacity | Load Centre of Gravity | ISO  | Load Capacity | Bucket Dimensions |        |        | Thickness | Centre of Gravity | Weight | Price |
|------------|---------------------|------------------------|------|---------------|-------------------|--------|--------|-----------|-------------------|--------|-------|
| Nº         | P (Kg)              | CC (mm)                | 2328 | PC (m³)       | A (mm)            | H (mm) | I (mm) | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 41A082A006 | 930                 | 450                    | 2    | 0.52          | 1000              | 704    | 580    | 1415      | 320               | 320    | -     |
| 41A0A2A002 | 1110                | 450                    | 2    | 0.62          | 1200              | 704    | 580    | 1415      | 340               | 340    | -     |
| 41A0D2A001 | 1310                | 450                    | 2    | 0.73          | 1400              | 704    | 580    | 1415      | 360               | 360    | -     |
| 41A0E2A002 | 1530                | 480                    | 2    | 0.85          | 1200              | 925    | 600    | 1540      | 360               | 480    | -     |
| 41A0E3A002 | 1530                | 480                    | 3    | 0.85          | 1200              | 925    | 600    | 1540      | 360               | 500    | -     |
| 41A0J2A004 | 1760                | 480                    | 2    | 0.98          | 1400              | 925    | 600    | 1540      | 390               | 510    | -     |
| 41A0J3A004 | 1760                | 480                    | 3    | 0.98          | 1400              | 925    | 600    | 1540      | 390               | 510    | -     |
| 41A0L2A002 | 2010                | 480                    | 2    | 1.12          | 1600              | 925    | 600    | 1540      | 410               | 540    | -     |
| 41A0L3A002 | 2010                | 480                    | 3    | 1.12          | 1600              | 925    | 600    | 1540      | 410               | 540    | -     |
| 41A0P3A002 | 2610                | 520                    | 3    | 1.45          | 1600              | 1205   | 800    | 1960      | 400               | 670    | -     |
| 41A0P4A002 | 2610                | 520                    | 4    | 1.45          | 1600              | 1205   | 800    | 1960      | 400               | 670    | -     |
| 41A0Q3A001 | 2920                | 520                    | 3    | 1.62          | 1800              | 1205   | 800    | 1960      | 430               | 700    | -     |
| 41A0Q4A001 | 2920                | 520                    | 4    | 1.62          | 1800              | 1205   | 800    | 1960      | 430               | 700    | -     |
| 41A0S3A001 | 3240                | 520                    | 3    | 1.80          | 2000              | 1205   | 800    | 1960      | 450               | 730    | -     |
| 41A0S4A001 | 3240                | 520                    | 4    | 1.80          | 2000              | 1205   | 800    | 1960      | 450               | 730    | -     |

|  |             |    |    |    |
|--|-------------|----|----|----|
|  | ISO (L/min) | 2  | 3  | 4  |
|  | Tipping     | 15 | 25 | 30 |

Hydraulic Functions: 1  
Max working pressure: 175 Bar

Accessories page 133

971 Fork mounted Hydraulic Bucket



FEATURES

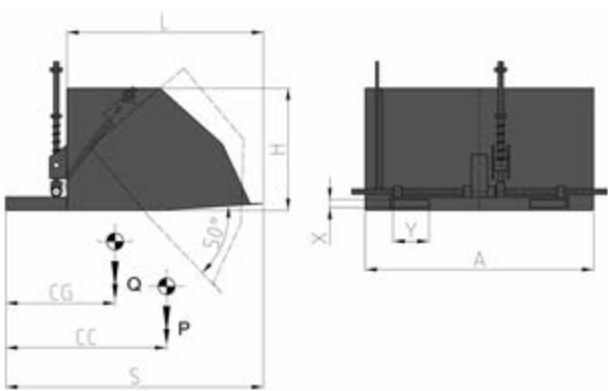
• Fork mounted attachment. • Materials loading/unloading operations for Building Industry (sand, gravel, concrete, terrain). • Can also be used in Agriculture. • Suitable for occasional/seasonal work.

| Article    | Attachment Capacity | Load Centre of Gravity | Load Capacity | Bucket Dimensions |        | Thickness | Centre of Gravity | Weight | Price |
|------------|---------------------|------------------------|---------------|-------------------|--------|-----------|-------------------|--------|-------|
| Nº         | P (Kg)              | CC (mm)                | PC (m³)       | A (mm)            | H (mm) | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 41D086D002 | 930                 | 950                    | 0.52          | 1000              | 799    | 2075      | 820               | 280    | -     |
| 41D0A6D002 | 1110                | 950                    | 0.62          | 1200              | 799    | 2075      | 850               | 300    | -     |
| 41D0D6D003 | 1310                | 950                    | 0.73          | 1400              | 799    | 2075      | 880               | 400    | -     |
| 41D0E6D001 | 1530                | 980                    | 0.85          | 1200              | 952    | 2330      | 890               | 430    | -     |
| 41D0J6D001 | 1760                | 980                    | 0.98          | 1400              | 952    | 2330      | 930               | 460    | -     |
| 41D0K6D001 | 2010                | 980                    | 1.12          | 1600              | 952    | 2330      | 960               | 490    | -     |

|  |             |    |
|--|-------------|----|
|  | ISO (L/min) |    |
|  | Tipping     | 20 |

Accessories page 133

968 Fork mounted Mechanical Bucket



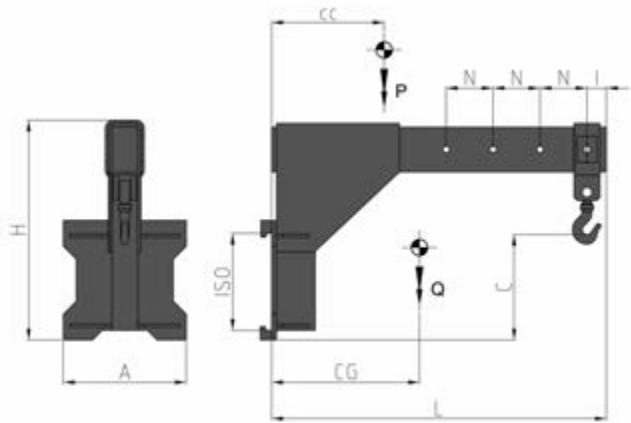
FEATURES

• Fork mounted attachment. • Materials loading/unloading operations for Building Industry (sand, gravel, concrete, terrain). • Can also be used in Agriculture. • Suitable for occasional/seasonal work.

| Article    | Attachment Capacity | Load Centre of Gravity | Load Capacity | Bucket Dimensions |        |        | Forks Mounting Section | Thickness | Centre of Gravity | Weight | Price |
|------------|---------------------|------------------------|---------------|-------------------|--------|--------|------------------------|-----------|-------------------|--------|-------|
| Nº         | P (Kg)              | CC (mm)                | PC (m³)       | A (mm)            | H (mm) | L (mm) | Y+X (mm)               | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 41C086D001 | 800                 | 450                    | 0.5           | 1000              | 500    | 1100   | 175x55                 | 1595      | 745               | 206    | -     |
| 41C0D6D001 | 1000                | 550                    | 0.7           | 1200              | 500    | 1300   | 175x55                 | 1795      | 849               | 243    | -     |
| 41C0J6D001 | 1500                | 600                    | 1             | 1400              | 600    | 1400   | 175x55                 | 1895      | 931               | 293    | -     |
| 41C0L6D001 | 1800                | 600                    | 1.2           | 1600              | 600    | 1400   | 215x55                 | 1895      | 925               | 324    | -     |
| 41C0P6D001 | 2000                | 625                    | 1.5           | 1800              | 600    | 1500   | 215x55                 | 1995      | 978               | 350    | -     |
| 41C0U6D001 | 2500                | 725                    | 2             | 2000              | 650    | 1600   | 215x55                 | 2095      | 1042              | 393    | -     |

Accessories page 131

980 Crane Jib



FEATURES

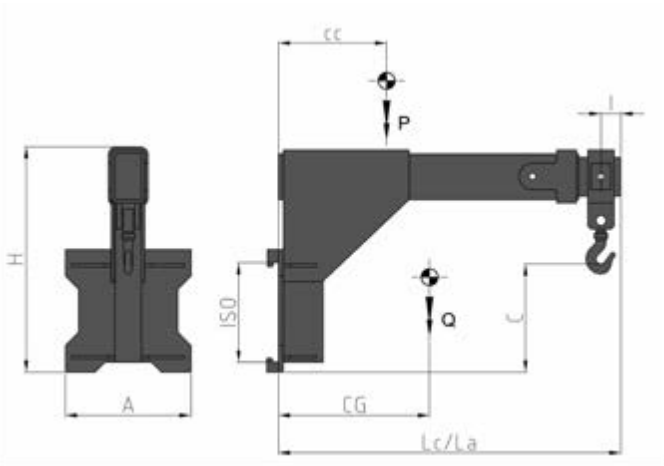
- Handling suspended loads. • Use of Belts or Chains.

| Article    | Attachment Capacity | Load Centre of Gravity | ISO  | Width  | Height | Length | Hole Distance | Axis-Centre Distance | Hook Height | Centre of Gravity | Weight | Price |
|------------|---------------------|------------------------|------|--------|--------|--------|---------------|----------------------|-------------|-------------------|--------|-------|
| Nº         | P (Kg)              | CC (mm)                | 2328 | A (mm) | H (mm) | L (mm) | I (mm)        | N (mm)               | C (mm)      | CG (mm)           | Q (Kg) | €     |
| 45LBS2C003 | 1500                | 500                    | 2    | 480    | 900    | 1276   | 76            | 200                  | 200         | 340               | 130    | -     |
| 45LFA2C009 | 2500                | 500                    | 2    | 480    | 900    | 1376   | 76            | 200                  | 200         | 390               | 160    | -     |
| 45LHY3C007 | 3500                | 500                    | 3    | 480    | 1035   | 1476   | 76            | 200                  | 200         | 410               | 230    | -     |
| 45LLL3C001 | 5000                | 500                    | 3    | 480    | 1035   | 1476   | 76            | 200                  | 200         | 430               | 260    | -     |
| 45LR04C001 | 8000                | 600                    | 4    | 560    | 1305   | 1686   | 86            | 200                  | 200         | 490               | 440    | -     |

NOTE

The forklift on which the Crane Jib is mounted must be approved. The Crane Jib supply does not include the documentation required for approval.

975 Crane Jib with extending arm



FEATURES

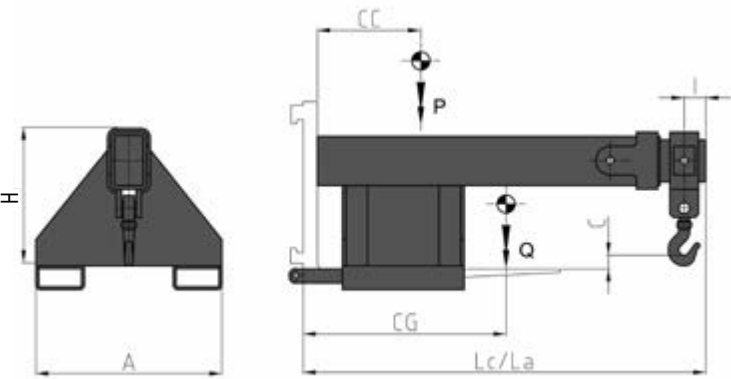
- Handling suspended loads. • Use of Belts or Chains.

| Article    | Attachment Capacity | Load Centre of Gravity | ISO  | Width  | Height | Closed Arm Length | Open Arm Length | Hole Distance | Hook Height | Centre of Gravity | Weight | Price |
|------------|---------------------|------------------------|------|--------|--------|-------------------|-----------------|---------------|-------------|-------------------|--------|-------|
| Nº         | P (Kg)              | CC (mm)                | 2328 | A (mm) | H (mm) | Lc (mm)           | La (mm)         | I (mm)        | C (mm)      | CG (mm)           | Q (Kg) | €     |
| 45JFA2C001 | 2500                | 500                    | 2    | 480    | 912    | 1376              | 1976            | 76            | 499         | 460               | 180    | -     |
| 45JHY3C001 | 3500                | 500                    | 3    | 480    | 1050   | 1376              | 1976            | 76            | 555         | 480               | 260    | -     |
| 45JLL3C001 | 5000                | 500                    | 3    | 480    | 1050   | 1376              | 1976            | 76            | 555         | 500               | 300    | -     |
| 45JR04C001 | 8000                | 600                    | 4    | 560    | 1345   | 1486              | 2086            | 86            | 695         | 510               | 580    | -     |

NOTE

The forklift on which the Crane Jib is mounted must be approved. The Crane Jib supply does not include the documentation required for approval.

976 Fork mounted Crane Jib with extending arm



FEATURES

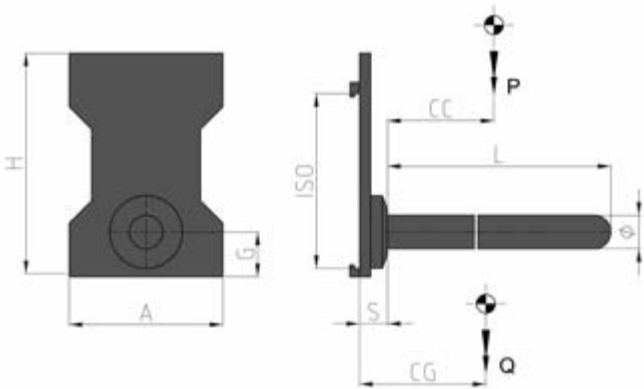
- Fork mounted attachment.
- Handling suspended loads.
- Use of Belts or Chains.

| Article    | Attachment Capacity | Load Centre of Gravity | Width  | Height | Closed Arm Length | Open Arm Length | Hole Distance | Hook Height | Centre of Gravity | Weight | Price |
|------------|---------------------|------------------------|--------|--------|-------------------|-----------------|---------------|-------------|-------------------|--------|-------|
| N°         | P (Kg)              | CC (mm)                | A (mm) | H (mm) | Lc (mm)           | La (mm)         | I (mm)        | C (mm)      | CG (mm)           | Q (Kg) | €     |
| 45MFA6D001 | 2500                | 500                    | 620    | 481    | 1376              | 1976            | 76            | 15          | 540               | 170    | -     |
| 45MHY6D001 | 3500                | 500                    | 720    | 580    | 1376              | 1976            | 76            | 20          | 250               | 250    | -     |
| 45MLL6D001 | 5000                | 500                    | 720    | 580    | 1376              | 1976            | 76            | 20          | 580               | 280    | -     |
| 45MR04C001 | 8000                | 600                    | 830    | 730    | 1486              | 2086            | 86            | 20          | 590               | 530    | -     |

NOTE

The forklift on which the Crane Jib is mounted must be approved. The Crane Jib supply does not include the documentation required for approval.

940 Boom



FEATURES

- Grip of tubular loads lying longitudinally to the forklift (paper rolls, carpets, moquette, pipes of plastic, concrete or iron, wire rod rolls).
- It can be easily installed on the original Fork Carriage of the Forklift.

SPECIAL EQUIPMENT

- Custom made diameters/lengths.

| Article    | Attachment Capacity | Load Centre of Gravity | ISO  | Diameter | Rear Plate |        |        | Boom Length | Thickness | Centre of Gravity | Weight | Price |
|------------|---------------------|------------------------|------|----------|------------|--------|--------|-------------|-----------|-------------------|--------|-------|
| N°         | P (Kg)              | CC (mm)                | 2328 | Ø (mm)   | A (mm)     | H (mm) | G (mm) | L (mm)      | S (mm)    | CG (mm)           | Q (Kg) | €     |
| 47A8L1C001 | 550                 | 500                    | 1    | 50       | 320        | 430    | 100    | 1000        | 75        | 163               | 66     | -     |
| 47AA01C001 | 1000                | 500                    | 1    | 60       | 320        | 430    | 100    | 1000        | 75        | 207               | 75     | -     |
| 47AA02C001 | 1000                | 500                    | 2    | 60       | 360        | 500    | 100    | 1000        | 90        | 155               | 100    | -     |
| 47ABS2C001 | 1500                | 500                    | 2    | 70       | 360        | 500    | 100    | 1000        | 90        | 188               | 108    | -     |
| 47ABS2C002 | 1500                | 500                    | 2    | 70       | 360        | 500    | 100    | 1500        | 90        | 335               | 120    | -     |
| 47ABS2C003 | 1500                | 500                    | 2    | 70       | 360        | 500    | 100    | 3200        | 90        | 971               | 177    | -     |
| 47AFA2C001 | 2500                | 500                    | 2    | 80       | 360        | 500    | 100    | 1200        | 90        | 283               | 125    | -     |
| 47AFA2C002 | 2500                | 500                    | 2    | 80       | 360        | 500    | 100    | 3600        | 90        | 1256              | 225    | -     |
| 47AHY3C001 | 3500                | 500                    | 3    | 100      | 400        | 610    | 180    | 1200        | 130       | 276               | 215    | -     |
| 47AKQ3C001 | 4500                | 500                    | 3    | 110      | 400        | 610    | 180    | 1500        | 130       | 411               | 248    | -     |
| 47ALM4C001 | 5000                | 600                    | 4    | 120      | 550        | 760    | 200    | 1500        | 140       | 328               | 395    | -     |
| 47AP94C001 | 6500                | 600                    | 4    | 140      | 550        | 760    | 200    | 1800        | 140       | 495               | 490    | -     |
| 47ASS6C001 | 13000               | 600                    | *    | 220      | *          | *      | 300    | 1200        | 220       | 370               | 980    | -     |

\* Pin-Type models



| Accessories on request                                              | €       |
|---------------------------------------------------------------------|---------|
| Hoses and Fitting Kit (for each hydraulic function)                 | -       |
| Hoses and quick-release Couplings Kit (for each hydraulic function) | -       |
| Pressure Gauge                                                      | -       |
| Quick-release Hooks                                                 | -       |
| Solenoid valve two functions with Electric Kit                      | -       |
| Pressure relief valve                                               | -       |
| 3 positions pressure relief valve                                   | -       |
|                                                                     | ISO 2 - |
| SLS - Semi-Integral Sideshift                                       | ISO 3 - |
|                                                                     | ISO 4 - |
| Automatic Greasing System for Semi Integral Sideshift               | -       |

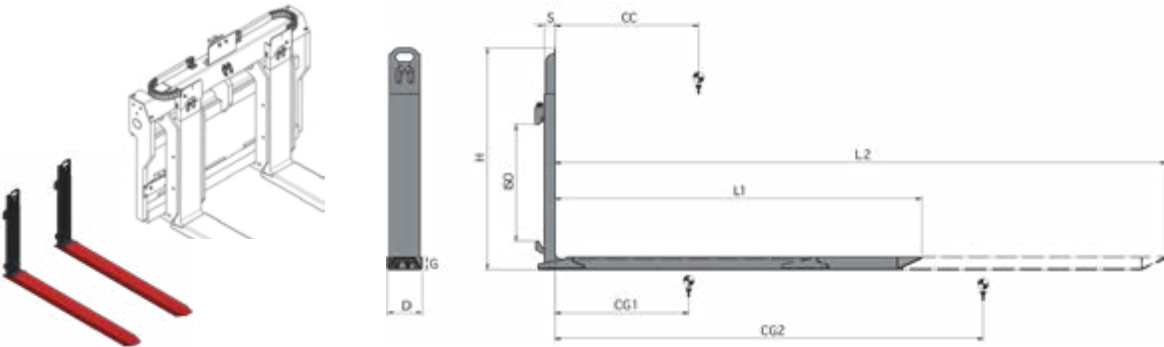


# 10 FORKS



|                               |            |
|-------------------------------|------------|
| <b>61</b><br>Telescopic Forks | <b>136</b> |
| <b>870</b><br>Lift Drop Fork  | <b>137</b> |
| Forks                         | <b>138</b> |
| Forks Extensions              | <b>138</b> |

61 Telescopic Forks



FEATURES

SPECIAL EQUIPMENT

- Hydraulic attachments.
  - Handling of palletized goods in double depth.
  - Reduced dimensions to facilitate manoeuvres in confined spaces.
  - A single cylinder allows the use of smaller section forks and higher push/pull strength.
  - Flow divider to regulate the synchronism between the two forks.
  - Flow divider valve.
  - Stop-pallet.
- Custom made Forks.
  - Custom made Stop-pallet with/without Load Backrests.

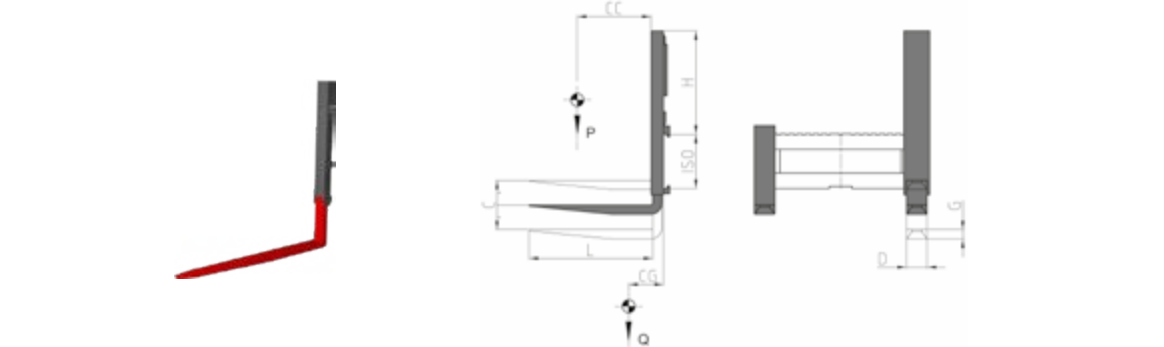
| Article    | Capacity per Pair | Load Centre of Gravity | ISO  | Fork Section |        | Height | Length  |         | Thickness | Centre of Gravity |          | Weight per Pair | Price Per Pair |
|------------|-------------------|------------------------|------|--------------|--------|--------|---------|---------|-----------|-------------------|----------|-----------------|----------------|
| N°         | P (Kg)            | CC (mm)                | 2328 | D (mm)       | G (mm) | H (mm) | L1 (mm) | L2 (mm) | S (mm)    | CG1 (mm)          | CG2 (mm) | Q (Kg)          | €              |
| 53UFA2A150 | 1700              | 600                    | 2a   | 128          | 41     | 725    | 1200    | 2000    | 35+5      | 360               | 498      | 119             | -              |
| 53UFA2A143 | 1700              | 600                    | 2a   | 128          | 41     | 725    | 1350    | 2350    | 35+5      | 428               | 608      | 128             | -              |
| 53UFA2A139 | 2500              | 600                    | 2a   | 133          | 58     | 725    | 1000    | 1650    | 45        | 349               | 481      | 151             | -              |
| 53UFA2A133 | 2500              | 600                    | 2a   | 133          | 58     | 725    | 1150    | 1950    | 45        | 402               | 560      | 163             | -              |
| 53UFA2A126 | 2500              | 600                    | 2a   | 133          | 58     | 725    | 1250    | 2150    | 45        | 447               | 629      | 174             | -              |
| 53UFA2A119 | 2500              | 600                    | 2a   | 133          | 58     | 725    | 1350    | 2350    | 45        | 493               | 699      | 183             | -              |
| 53UKQ3A039 | 4500              | 600                    | 3a   | 163          | 58     | 850    | 1150    | 1950    | 45        | 375               | 511      | 218             | -              |
| 53UKQ3A028 | 4500              | 600                    | 3a   | 163          | 58     | 850    | 1250    | 2150    | 45        | 418               | 575      | 232             | -              |
| 53UKQ3A033 | 4500              | 600                    | 3a   | 163          | 58     | 850    | 1350    | 2350    | 45        | 462               | 641      | 247             | -              |

| Accessories on request                                           | € |
|------------------------------------------------------------------|---|
| Hoses and Fitting Kit                                            | - |
| Hoses and quick-release Couplings Kit                            | - |
| Hydraulic System Kit for mounting on Fork Positioners            | - |
| Hydraulic System Kit with chain for mounting on Fork Positioners | - |
| Stop-pallet                                                      | - |

| ISO (L/min)     | 2  | 3  |
|-----------------|----|----|
| Opening/Closing | 20 | 20 |

Hydraulic Functions: 1  
Max working pressure: 175 Bar

870 Lift Drop Fork



FEATURES

SPECIAL EQUIPMENT

- System mounted on standard ISO forks.
  - It allows the lifting of the fork for handling loads not aligned/arranged on inclined surfaces.
- Custom made Forks.

| Article     | Capacity per Pair | Load Centre of Gravity | ISO  | Fork Section |        |        | Height | Stroke | Centre of Gravity | Weight | Price |
|-------------|-------------------|------------------------|------|--------------|--------|--------|--------|--------|-------------------|--------|-------|
| N°          | P (Kg)            | CC (mm)                | 2328 | D (mm)       | G (mm) | L (mm) | H (mm) | C (mm) | CG (mm)           | Q (Kg) | €     |
| 55ABS2A2001 | 1500              | 500                    | 2a   | 100          | 35     | 1000   | 650    | 200    | 180               | 98     | -     |
| 55AFA2A2001 | 2500              | 500                    | 2a   | 130          | 40     | 1000   | 650    | 200    | 190               | 129    | -     |
| 55AHY3A4001 | 3500              | 500                    | 3a   | 130          | 45     | 1000   | 650    | 300    | 210               | 161    | -     |
| 55AKQ3A4001 | 4500              | 500                    | 3a   | 150          | 50     | 1000   | 650    | 300    | 220               | 184    | -     |
| 55AP94A6001 | 6500              | 600                    | 4a   | 200          | 60     | 1200   | 750    | 400    | 250               | 305    | -     |

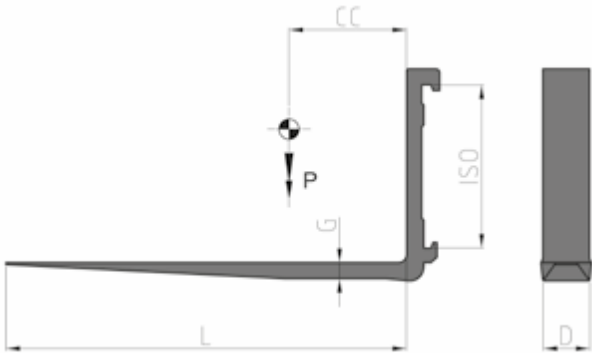
The price includes, in addition to the Lift Drop Fork, a pair of forks with features as shown in the table above.

| Accessories on request                | € |
|---------------------------------------|---|
| Hoses and Fitting Kit                 | - |
| Hoses and quick-release Couplings Kit | - |

| ISO (L/min) | 2  | 3  | 4  |
|-------------|----|----|----|
| Lift        | 20 | 20 | 20 |

Hydraulic Functions: 1  
Max working pressure: 175 Bar

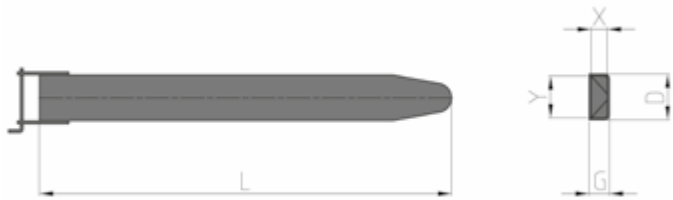
Forks



NOTE

Available on all ISO classes (A or B).  
On request we offer Pin Type or special forks in any section or length, suitable for any type of Forklift.

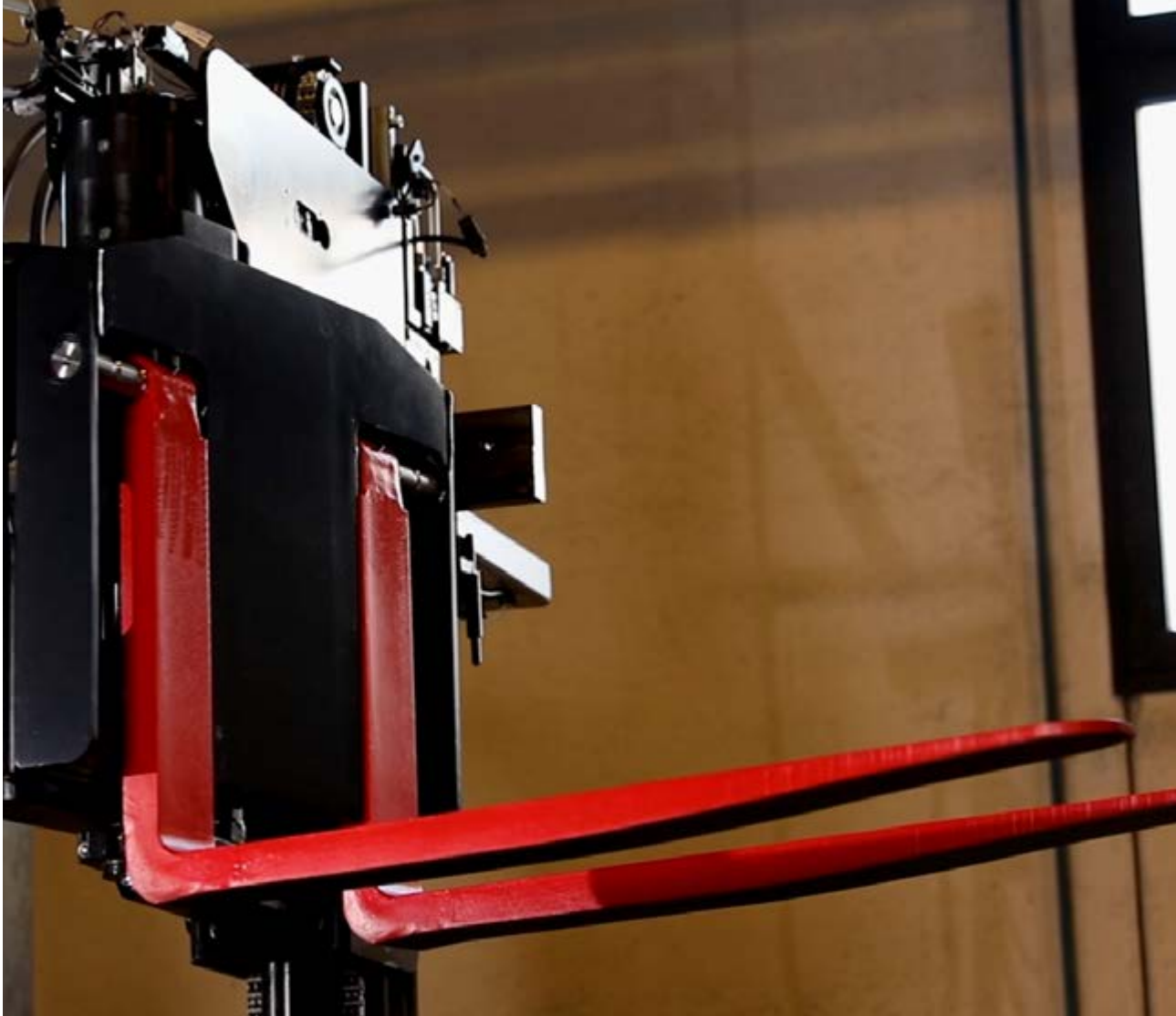
Forks Extensions



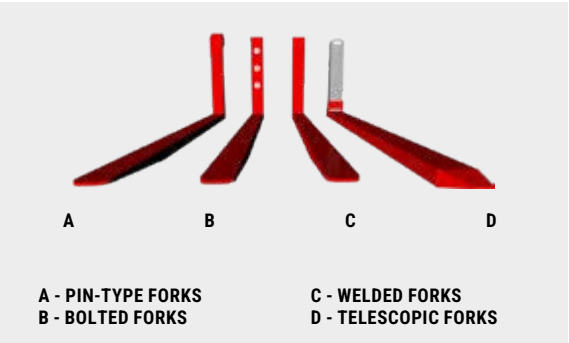
NOTE

For all ISO classes and available in any section and length (forks length must be at least 60% of the extensions length). Suitable for any type of Forklift.

Net price list available on request.



STOP-PALLET



A B C D

A - PIN-TYPE FORKS  
B - BOLTED FORKS  
C - WELDED FORKS  
D - TELESCOPIC FORKS



||

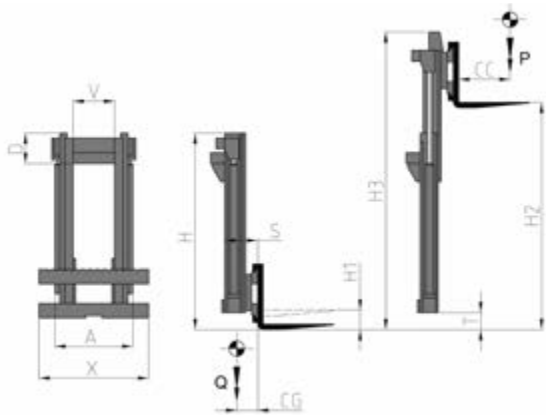
MASTS &  
HYDRAULIC KITS

|                                               |     |
|-----------------------------------------------|-----|
| <b>828</b><br>Simplex Mast without free lift  | 142 |
| <b>810.838</b><br>Duplex Mast full free lift  | 142 |
| <b>808.809</b><br>Triplex Mast full free lift | 143 |
| <b>848</b><br>Quadruplex Mast full free lift  | 143 |
| Hose Reel Kit                                 | 144 |
| 4 Core Electric Cable Reel                    | 144 |

828 Simplex Mast without free lift

FEATURES

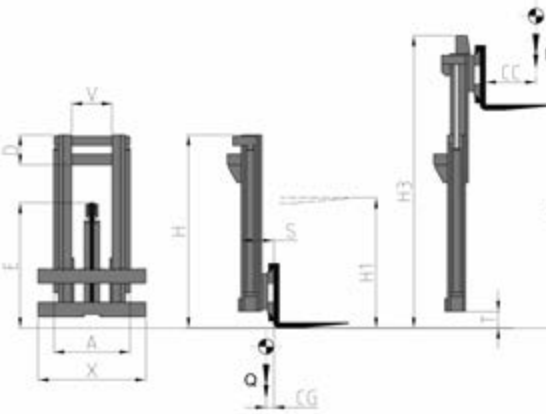
- Range from 1t to 52t. • For small capacity forklifts, laser guided shuttles, naval applications. • For high-capacity forklifts handling full or empty containers, to be stacked up to the eighth row.



810.838 Duplex Mast full free lift

FEATURES

- Range from 1t to 52t. • For small capacity forklifts, laser guided shuttles, naval applications. • For high-capacity forklifts handling full or empty containers, to be stacked up to the eighth row. • Full free lift of the forklift carriage. • To work in spaces of reduced height and with the need to overlap more pallets.



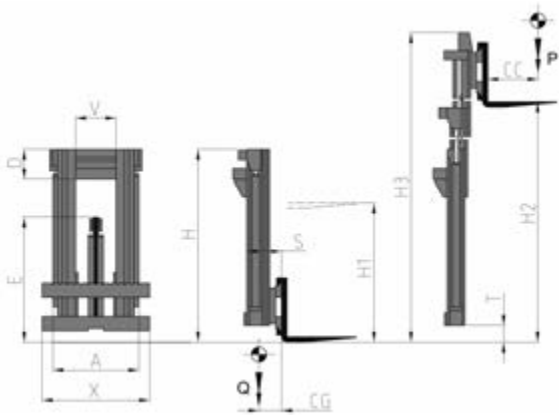
NOTE

Hydraulic/Electric Systems, Sideshifts, Fork Positioners, and specific handling attachments can be supplied for each type of Mast.

808.809 Triplex Mast full free lift

FEATURES

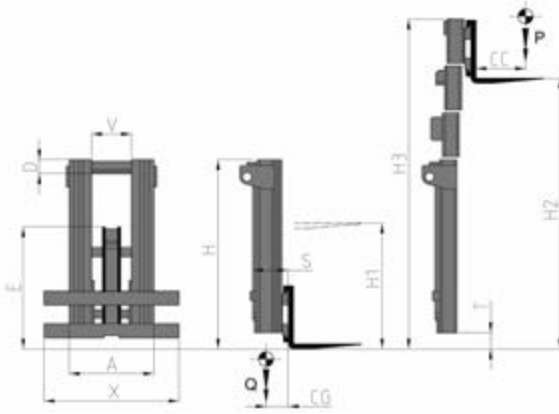
- Range from 1t to 52t. • For all types of counterbalanced forklifts/AGV/fixed workstations. • It allows large lift ups with reduced height and full free lift-up of the forklift carriage.



848 Quadruplex Mast full free lift

FEATURES

- For all types of counterbalanced forklifts/AGV/fixed workstations. • It allows large lift-ups with reduced height and full free lift-up of the forklift carriage (with a greater reduction in space when the mast is closed and increased elevations compared to the Triplex).



NOTE

Hydraulic/Electric Systems, Sideshifts, Fork Positioners, and specific handling attachments can be supplied for each type of Mast.

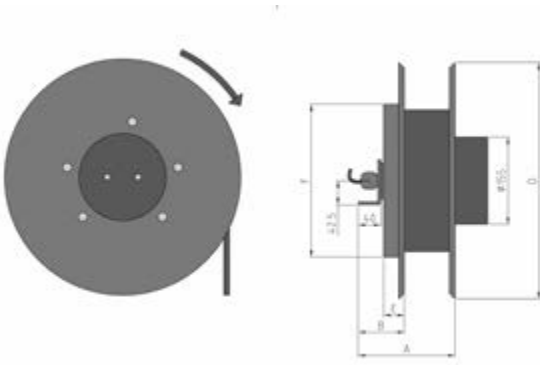
Hose Reel Kit



FEATURES

- System installed on Mast.
- It brings the hydraulic functions from the forklift distributor to the forklift carriage.

4 Core Electric Cable Reel



FEATURES

- System installed on Mast.
- It brings the electrical functions from the forklift control unit to the forklift carriage.

| Nº       | ØC (mm) | L (m) | A (mm) | B (mm) | D (mm) | E (mm) | F (mm) | € |
|----------|---------|-------|--------|--------|--------|--------|--------|---|
| D0010113 | 9.3     | 5     | 161    | 82     | 235    | 30     | 228    | - |
| D0010109 | 9.3     | 10    | 161    | 82     | 295    | 37     | 272    | - |
| D0010114 | 9.3     | 15    | 161    | 82     | 370    | 37     | 322    | - |

NOTE

Custom made Hose Reel and Electric Cable Reel are also available upon request.

Hose Reel Kit

| Article  | Hose       | Hose Diameter | Carriage Fitting | Cable Reel Diameter | Hose Length | Position | Price |
|----------|------------|---------------|------------------|---------------------|-------------|----------|-------|
| Nº       | T          | ØT            | G                | ØA (mm)             | L (mm)      | Z        | €     |
| 67NP2A01 | SAE 100 R7 | 1/4"          | SWIVEL           | 270                 | 4000        | RIGHT    | -     |
| 67NP3A01 | SAE 100 R7 | 5/16"         | SWIVEL           | 270                 | 3200        | RIGHT    | -     |
| 67RP2A01 | SAE 100 R7 | 1/4"          | TURN DOWN, CLAMP | 270                 | 4000        | RIGHT    | -     |
| 67RP3A01 | SAE 100 R7 | 5/16"         | TURN DOWN, CLAMP | 270                 | 3200        | RIGHT    | -     |
| 67NP2J01 | SAE 100 R7 | 1/4"          | SWIVEL           | 270                 | 4000        | LEFT     | -     |
| 67NP3J01 | SAE 100 R7 | 5/16"         | SWIVEL           | 270                 | 3200        | LEFT     | -     |
| 67RP2J01 | SAE 100 R7 | 1/4"          | TURN DOWN, CLAMP | 270                 | 4000        | LEFT     | -     |
| 67RP3J01 | SAE 100 R7 | 5/16"         | TURN DOWN, CLAMP | 270                 | 3200        | LEFT     | -     |
| 67NP2A02 | SAE 100 R7 | 1/4"          | SWIVEL           | 295                 | 4700        | RIGHT    | -     |
| 67NP3A02 | SAE 100 R7 | 5/16"         | SWIVEL           | 295                 | 4200        | RIGHT    | -     |
| 67NP4A01 | SAE 100 R7 | 3/8"          | SWIVEL           | 295                 | 3600        | RIGHT    | -     |
| 67RP2A02 | SAE 100 R7 | 1/4"          | TURN DOWN, CLAMP | 295                 | 4700        | RIGHT    | -     |
| 67RP3A02 | SAE 100 R7 | 5/16"         | TURN DOWN, CLAMP | 295                 | 4200        | RIGHT    | -     |
| 67NP2J02 | SAE 100 R7 | 1/4"          | SWIVEL           | 295                 | 4700        | LEFT     | -     |
| 67NP3J02 | SAE 100 R7 | 5/16"         | SWIVEL           | 295                 | 4200        | LEFT     | -     |
| 67NP4J01 | SAE 100 R7 | 3/8"          | SWIVEL           | 295                 | 3600        | LEFT     | -     |
| 67RP2J02 | SAE 100 R7 | 1/4"          | TURN DOWN, CLAMP | 295                 | 4700        | LEFT     | -     |
| 67RP3J02 | SAE 100 R7 | 5/16"         | TURN DOWN, CLAMP | 295                 | 4200        | LEFT     | -     |
| 67NP2A05 | SAE 100 R7 | 1/4"          | SWIVEL           | 320                 | 5500        | RIGHT    | -     |
| 67NP3A05 | SAE 100 R7 | 5/16"         | SWIVEL           | 320                 | 5000        | RIGHT    | -     |
| 67NP4A03 | SAE 100 R7 | 3/8"          | SWIVEL           | 320                 | 4500        | RIGHT    | -     |
| 67RP2A05 | SAE 100 R7 | 1/4"          | TURN DOWN, CLAMP | 320                 | 5500        | RIGHT    | -     |
| 67RP3A05 | SAE 100 R7 | 5/16"         | TURN DOWN, CLAMP | 320                 | 5000        | RIGHT    | -     |
| 67NP2J05 | SAE 100 R7 | 1/4"          | SWIVEL           | 320                 | 5500        | LEFT     | -     |
| 67NP3J05 | SAE 100 R7 | 5/16"         | SWIVEL           | 320                 | 5000        | LEFT     | -     |
| 67NP4J03 | SAE 100 R7 | 3/8"          | SWIVEL           | 320                 | 4500        | LEFT     | -     |
| 67RP2J05 | SAE 100 R7 | 1/4"          | TURN DOWN, CLAMP | 320                 | 5500        | LEFT     | -     |
| 67RP3J05 | SAE 100 R7 | 5/16"         | TURN DOWN, CLAMP | 320                 | 5000        | LEFT     | -     |
| 67NP2A04 | SAE 100 R7 | 1/4"          | SWIVEL           | 370                 | 7000        | RIGHT    | -     |
| 67NP3A04 | SAE 100 R7 | 5/16"         | SWIVEL           | 370                 | 6500        | RIGHT    | -     |
| 67NP4A02 | SAE 100 R7 | 3/8"          | SWIVEL           | 370                 | 5500        | RIGHT    | -     |
| 67RP2A04 | SAE 100 R7 | 1/4"          | TURN DOWN, CLAMP | 370                 | 7000        | RIGHT    | -     |
| 67RP3A04 | SAE 100 R7 | 5/16"         | TURN DOWN, CLAMP | 370                 | 6500        | RIGHT    | -     |
| 67NP2J04 | SAE 100 R7 | 1/4"          | SWIVEL           | 370                 | 7000        | LEFT     | -     |
| 67NP3J04 | SAE 100 R7 | 5/16"         | SWIVEL           | 370                 | 6500        | LEFT     | -     |
| 67NP4J02 | SAE 100 R7 | 3/8"          | SWIVEL           | 370                 | 5500        | LEFT     | -     |
| 67RP2J04 | SAE 100 R7 | 1/4"          | TURN DOWN, CLAMP | 370                 | 7000        | LEFT     | -     |
| 67RP3J04 | SAE 100 R7 | 5/16"         | TURN DOWN, CLAMP | 370                 | 6500        | LEFT     | -     |



12

SPECIAL OR  
CUSTOMISED PRODUCTS

|                                                                                       |                         |
|---------------------------------------------------------------------------------------|-------------------------|
| <a href="#">Integrated Fork Positioner with Articulated Arm for Telehandlers</a>      | <a href="#">IMG. 1</a>  |
| <a href="#">Rotating Ladle Emptying</a>                                               | <a href="#">IMG. 2</a>  |
| <a href="#">Tires Clamp with 90° Tipping Forward Arms</a>                             | <a href="#">IMG. 3</a>  |
| <a href="#">Wide opening Fork Positioner for for side/multi-directional Forklifts</a> | <a href="#">IMG. 4</a>  |
| <a href="#">Trilateral Attachment with Pantograph</a>                                 | <a href="#">IMG. 5</a>  |
| <a href="#">Wide Opening Fork Positioner with 4 Forks</a>                             | <a href="#">IMG. 6</a>  |
| <a href="#">Triplex Mast with Double Fork Positioner for AGV Machines</a>             | <a href="#">IMG. 7</a>  |
| <a href="#">Duplex Mast with Coils Clamp for AGV Machines</a>                         | <a href="#">IMG. 8</a>  |
| <a href="#">Rotating Clamp with Special Forks</a>                                     | <a href="#">IMG. 9</a>  |
| <a href="#">Wire Rod Reel Clamp</a>                                                   | <a href="#">IMG. 10</a> |
| <a href="#">Clamp with 90° Rotating Forks and Slip-on Smooths Arms</a>                | <a href="#">IMG. 11</a> |







# IB RENTAL ATTACHMENTS

## Advantages & Benefits

### PEAK PERFORMANCE

Every attachment available for hire is exclusively produced, tested and overhauled by **ATIB Material Handling**.

### FLEXIBILITY

Rental availability in short, medium or long term, from 1 month, up to 1 year and over.

### PRICE

Our rental rates differ according to the type of attachment and the rental period, and include the standard preventive maintenance for failures and unforeseen issues..



## Guaranteed Maintenance, Repairing & Inspection

Overhaul, maintenance, repairing and inspection will be carried out on all ATIB Material Handling Attachments at the end of each rental.



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