

CATALOGUE 2019



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GENERAL INFORMATION

Company profile

CEBRIÁ is a family run business. Founded in 1978 by J Cebriá, dedicated to the manufacture of forklift attachments. We are located in Paterna, 18 Km from Valencia, in a 4000 m2 of facilities, where we have centralized all of the company's departments.

CEBRIÁ designs and manufactures a wide range of forklift's attachments, shown in this catalogue. It's our wish to give complete satisfaction to our clients, therefore we manufacture robust but light accessories, with as load separation as possible. We offer attachments for rent and we also sell used accessories. All of the used attachments shown are also available for rent. For more detailed information about the rental conditions, contact CEBRIÁ.

CEBRIÁ is certified according to the regulation NORMA DIN ISO 9001.2008, and our equipments meets the quality, security and technical documentation required by the current European Machinery Directive 2006/42.

> To order from Cebriá

For the supply of attachments with mounting on board the forklift, it is necessary to indicate the type of forklift attachment, the ISO mounting and the width of the fork carriage and also the type of hydraulic coupling of the forklift. For attachments mounted at the attachment forks, it is necessary to send the original fork carriage with the freight prepaid to CEBRIÁ to take the appropriate measurements.

Another option is to send the original plans of the fork carriage to CEBRIÁ

For the supply of spare parts, it's necessary to indicate the reference and the serial number that appears on the metal identification plate of the attachment itself. The serial number is also stamped on the attachment's frame.

> Specifications

The prices shown are recommended retail prices and are subject to revisions and modifications. CEBRIÁ reserves the right to introduce these modifications without any prior notice. The prices only correspond with the specific equipment shown and described in their section. Any type of alteration, amendment or modification will encounter an additional cost. Ther prices are shown in Euros and do not include the packaging, transport taxes and/or tariff costs. Consult CEBRIÁ for technical assistance for the modifications required. The unauthorized modifications could jeopardise the performance of the attachment an as a result the loss of the guarantee.

The measurements, weight, load capacities, technical instructions and pictures in this catalogue are subject to changes. We reserve the right to construction modifications for the benefit of technical advances. We are not responsible for any printing errors, reserve the right to construction modifications for the benefit of technical advances. We are not responsible for any printing errors.

KEY

Q (Kg/mm): Load capacity of the attachment
(Kg) / Load center (mm)

CGH (mm): Horizontal gravity centre

S (mm): thickness

P (Kg): weight

B (mm): chassis width

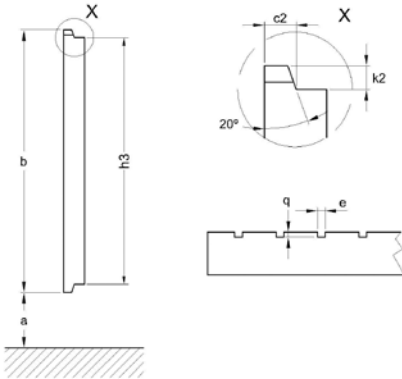
A (mm): Openings

Technical specifications

> Standard mounting

Standard mounting of majority of CEBRIÁ attachments are, according to ISO-2328, type 2 A, 3 A and 4 A. In case of special mountings, PIN mounting (hook-on versions), ISO 2328 type B, please contact CEBRIÁ. Not standards and special mountings are not included in attachments price.

Variants of fork carriages, according to ISO 2328



CLASS	Q Kg	CC mm	Type	a mm	b mm	h3 mm	c2 mm -1	k2 mm -1,5	e mm ±0,8	q mm
1	0 a 999	400	A	76	331	305	16	13	16	8
			B	114						
2	1000 a 2500	500	A	76	407	381	16	13	16	8
			B	152						
3	2501 a 4999	500	A	76	508	476	21,5	16	21,5	10
			B	203						
4	5000 a 8000	600	A	127	635	597	25,5	19	25,5	12
			B	254						
5	8001 a 10999	600	A	127	728	678	34	25	34	16
			B	257						

> **Convergence**

The opening ranges indicated are measured at the back of the forks or arms, without considering the convergence of the clamp. The convergence consists in the difference of distance that exists between the back part of the forks or arms of a clamp, and the exterior part. This convergence is necessary to compensate the natural flex of the forks or arms, when they hold the goods. Without the convergence the load would be clamped at the rear. There are attachments that exist with adjustable convergence. For example the clamps for the manipulation of electric appliances (PK series).

> **Working pressure and oil flow**

The hydraulic pressure of the forklift determinates the tightening strength of the attachment. The higher the pressure, the more tightening strength. The structure, connections, joints, pipes and other hydraulic components determinate and/or condition the maximum working pressure. In the case of attachments that don't require tightening, it's recommended to use a low hydraulic pressure to reduce the risk of damage to the load and pallet. In the case that the hydraulic pressure of the forklift exceeds the maximum pressure admitted by the attachment, it will be necessary to install an additional pressure limiting valve to protect the attachment.

The oil flow (L/min) supplied from the forklift to an attachment determines the movement speed of the forks or arms of the attachments. Normally a forklift supplies a sufficient oil flow for the correct functioning of an attachment. If the flow is excessive, the oil temperature increases, which affects the lifespan of the hydraulic components. It should be taken into account that the hydraulic supply piping passes through the masts, reels, valves, couplings, etc, which can reduce the oil flow that reaches the attachment, affecting the functioning speed.

For the correct functioning of CEBRIÁ attachments we recommend that the oil flows are adjusted and work pressure recommended for each family of attachments

> **Hydraulic functions**

The forklift Attachments operated hydraulically require, at least 1 additional hydraulic function on the forklift. The attachment with sideshift (fork positioners, clamps,...) need 2 hydraulic functions. In the case of an attachment needing more than 2 hydraulic functions, one of the hydraulic circuits is divided by a solenoid valve.

To ensure proper functioning of the solenoid valve we need to have the specific information about the voltage of the forklift

For more information consult the data table of each attachment.

Attachments with Sideshifter

On an attachment two different types of sidershifters can be installed: the internal via a valve and the external by a cylinder.

a / The internal sideshifter of the load is achieved by the simultaneous movement of the cylinders of the clamp in the same direction. The sideshift movement available depends on the range of openings of the clamp and the width of the load being handled. When the cylinders are at the maximum or minimum opening position, the sideshifter is zero:

Advantages:

- The arms or forks move instead of the chassis of the clamp. Thus reducing damage to the adjacent loads in a narrow warehouse.
- Allows the arms to move outside the width of the forklift.
- Allows the driver to centre the loads that are displaced more than 100 mm (maximum movement when the movement is external).
- The thickness and weight lost from the accessory are not affected.
 - Calculation of internal side displacement in an accessory
 - 1° determine the following measures:
 - A = maximum opening of the clamp
 - B = minimum opening of the clamp
 - C = width of the load

2° do the following calculations:

$$A - C =$$

$$C - B =$$

the result that is lowest is the total sideshift available

b / The external sideshifter is achieved by a hydraulic cylinder that moves from right to left with the equipment.

Advantages:

- the sideshift is always available, independent from the position of the forks or the arms.

Load capacity

The load capacity of the indicated attachment in this catalogue is nominal and corresponds to a structural value. It is necessary to consider the type of product that is going to be handled as well as the operational conditions in order to determine the work capacity for each application.

The load capacity of the attachment, combined with the load capacity of the forklift, determines the network capacity of the combination or the residual capacity. The forklift manufacturer or its representative is responsible for providing the residual capacity of the forklift / attachment combination. You can calculate the net residual capacity estimation by the instructions shown in the following calculation scheme:

Forklift

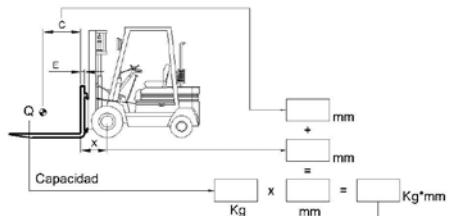
Manufacturer
 Model
 Capacity Q: kg
 Distance CDG C: mm
 Fork thickness S: mm
 Specifications X: mm

Attachment

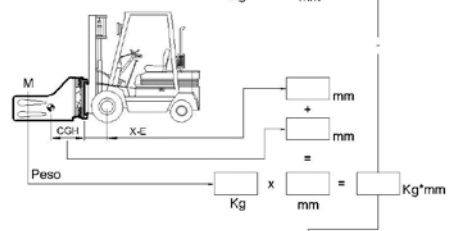
Model
 Capacity: kg
 Load capacity: mm
 Thickness ESP: mm
 Centre of gravity CDG: mm
 Weight G: kg

CALCULATION

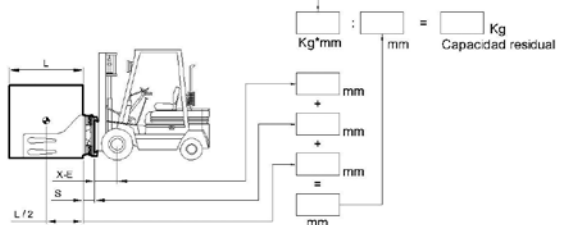
Forklift specification



Attachment specification



Residual Capacity



Warranty

Jose Cebriá SL offers 2000 working hours or 12 working months (what comes first) in warranty after delivery to client for all attachments. Repairs warranty end at the same time as the equipment ones; all these warranties are valid if they are validated by CEBRIÁ's Assistance Service (TAS).

During this period of time, the labor input needed to change or repair the spare parts will be for free if it's made at the customers's facilities. Warranty does not include displacement, mileage and ours TAS labor input when they have to go to our client's facilities.

This warranty covers the spare parts replacement, EXWORKS, damaged due to design or manufacturing damage. Delivery costs will be paid by the client. Client must turn back the parts replaced if CEBRIA's requires it. Devolution costs will be honored by CEBRIÁ.

> Warranty exempted cases

Any damage caused by a misuse, unauthorized modifications, poor stage or inadequate maintenance.

- Transport costs or derived from transport delays costs.
- Materials and wearings parts like: oil, joints.

Warranty claims must be submitted in writing and the information below must appear:

- Serial number and type of anchor
- Client
- Date, cause (if known) and failure description
- Concerned parties code

> Warranty is valid in below cases

- Any damage caused in regular work conditions
- Repairs will be done under CEBRIÁ's authorization or by CEBRIA's dealers
- Mounting, storage and maintenance are under qualified personnel supervision

Original spare parts, provided by CEBRIÁ or its dealers, are used in repair and maintenance process.



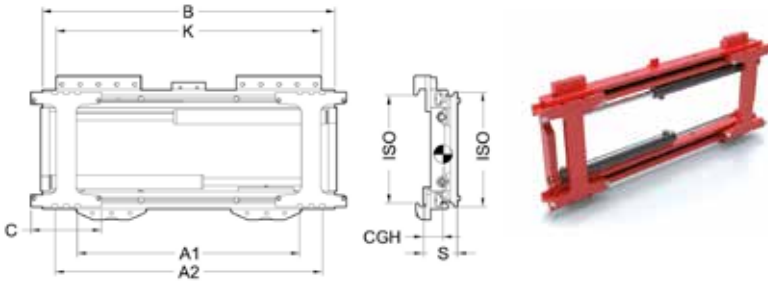
FORK POSITIONER



1

- 1.1 **FORK POSITIONER
(INTERNAL SIDESHIFT) / p.14**
 - 1.2 **FORK POSITIONER
(EXTERNAL SIDESHIFT) / p.15**
 - 1.3 **FORK POSITIONER WITH TELESCOPIC FORK
(INTERNAL SIDESHIFT) / p.16**
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(EXTERNAL SIDESHIFT) / p.17**
 - 1.5 **FORK POSITIONER
(INTERNAL SIDESHIFT) / p.18**
 - 1.6 **FORK POSITIONER
(EXTERNAL SIDESHIFT) / p.19**
 - 1.7 **FORK POSITIONER LARGE OPENING
(INTERNAL SIDESHIFT) / p.20**
- ADDITIONAL INFORMATION / p.21**

1.1 FORK POSITIONER INTERNAL SIDESHIFT



MOD.	Q Kg/mm	ISO	B mm	A1 mm	A2 mm	M mm	K mm	S mm	CGH mm	P Kg
PS25K105C	2500/500	2A	1050	190-790	350-950	125	950	122	80	127
PS25K115C	2500/500	2A	1150	190-890	350-1050	125	950	122	75	130
PS25K125C	2500/500	2A	1250	190-990	350-1150	125	950	122	75	132
PS25K135C	2500/500	2A	1350	190-1090	350-1250	125	950	122	76	135
PS35K105E	3500/500	3A	1050	220-760	360-900	130	950	132	79	139
PS35K115E	3500/500	3A	1150	220-860	360-1000	130	950	132	79	142
PS35K125E	3500/500	3A	1250	220-960	360-1100	130	950	132	79	145
PS35K135E	3500/500	3A	1350	220-1060	360-1200	130	950	132	79	148
PS50K105E	5000/500	3A	1050	250-760	410-920	150	950	150	84	170
PS50K115E	5000/500	3A	1150	250-860	410-1020	150	950	150	89	179
PS50K125E	5000/500	3A	1250	250-960	410-1120	150	950	150	89	184
PS50K135E	5000/500	3A	1350	250-1060	410-1220	150	950	150	84	208
PS50K145E	5000/500	3A	1450	250-1160	410-1320	150	950	150	79	232
PS50K155E	5000/500	3A	1550	250-1260	410-1420	150	950	150	79	256
PS63K145G	6300/600	4A	1400	270-1030	470-1230	200	1000	140	64	281
PS63K165G	6300/600	4A	1600	270-1230	470-1430	200	1200	140	65	292
PS63K185G	6300/600	4A	1800	270-1430	470-1630	200	1200	140	65	302
PS63K205G	6300/600	4A	2000	270-1630	470-1830	200	1400	140	64	312
PS63K225G	6300/600	4A	2200	270-1830	470-2030	200	1600	140	63	323
PS80K185G	8000/600	4A	1800	270-1430	470-1630	200	1580	140	65	302
PS80K205G	8000/600	4A	2000	270-1630	470-1830	200	1580	140	65	311
PS80K225G	8000/600	4A	2200	270-1830	470-2030	200	1580	140	65	323
PS100K185G	8000/1100	4A	1800	330-1440	510-1620	200	1400	160	75	445
PS100K205G	8000/1100	4A	2000	330-1640	510-1820	200	1400	160	76	466
PS100K225G	8000/1100	4A	2200	330-1840	510-2020	200	1400	160	78	475
PS100K245G	8000/1100	4A	2400	330-2040	510-2220	200	1400	160	78	480

Notes:

2 hydraulic functions

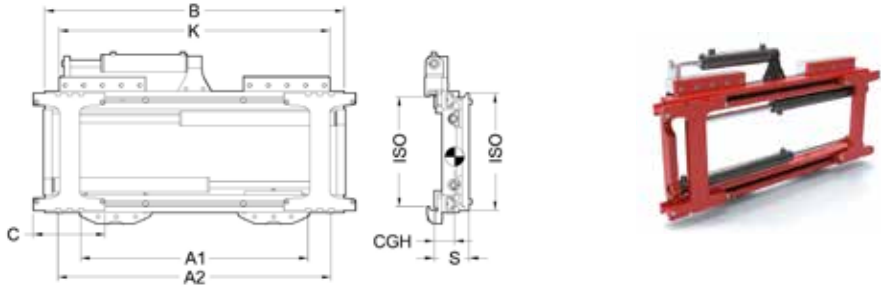
Forks not included

Q: Load capacity / load center

Options: See page 21 . ⓘ Additional information

FORK POSITIONER EXTERNAL SIDESHIFT

1.2



MOD.	Q Kg/mm	ISO	B mm	A1 mm	A2 mm	M mm	K mm	C mm	S mm	CGH mm	P Kg
PS25K109C	2500/500	2A	1050	190-790	350-950	125	950	250	122	80	137
PS25K119C	2500/500	2A	1150	190-890	350-1050	125	950	250	122	75	140
PS25K129C	2500/500	2A	1250	190-990	350-1150	125	950	250	122	75	142
PS25K139C	2500/500	2A	1350	190-1090	350-1250	125	950	250	122	76	145
PS35K109E	3500/500	3A	1050	220-760	360-900	130	950	250	132	79	149
PS35K119E	3500/500	3A	1150	220-860	360-1000	130	950	250	132	79	152
PS35K129E	3500/500	3A	1250	220-960	360-1100	130	950	250	132	79	155
PS35K139E	3500/500	3A	1350	220-1060	360-1200	130	950	250	132	79	158
PS50K109E	5000/500	3A	1050	250-760	410-920	150	1100	300	150	84	180
PS50K119E	5000/500	3A	1150	250-860	410-1020	150	1100	300	150	89	189
PS50K129E	5000/500	3A	1250	250-960	410-1120	150	1100	300	150	89	194
PS50K139E	5000/500	3A	1350	250-1060	410-1220	150	1100	300	150	84	218
PS50K149E	5000/500	3A	1450	250-1160	410-1320	150	1100	300	150	79	242
PS50K159E	5000/500	3A	1550	250-1260	410-1420	150	1100	300	150	79	266
PS63K149G	6300/600	4A	1400	270-1030	470-1230	200	1280	350	168	64	281
PS63K169G	6300/600	4A	1600	270-1230	470-1430	200	1280	350	168	65	292
PS63K189G	6300/600	4A	1800	270-1430	470-1630	200	1280	350	168	65	302
PS63K209G	6300/600	4A	2000	270-1630	470-1830	200	1280	350	168	64	312
PS63K229G	6300/600	4A	2200	270-1830	470-2030	200	1280	350	168	63	323
PS80K189G	8000/600	4A	1800	270-1430	470-1630	200	1280	350	168	65	302
PS80K209G	8000/600	4A	2000	270-1630	470-1830	200	1280	350	168	65	311
PS80K229G	8000/600	4A	2200	270-1830	470-2030	200	1280	350	168	65	323
PS100K189G	8000/1100	4A	1800	330-1440	510-1620	200	1280	350	185	75	445
PS100K209G	8000/1100	4A	2000	330-1640	510-1820	200	1280	350	185	76	466
PS100K229G	8000/1100	4A	2200	330-1840	510-2020	200	1280	350	185	78	475
PS100K249G	8000/1100	4A	2400	330-2040	510-2220	200	1280	350	185	78	480

Notes:

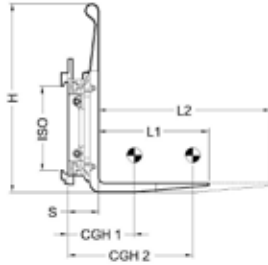
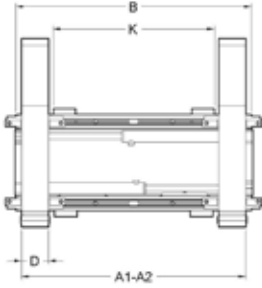
2 hydraulic functions. Pressure sequence valve included: 1 hydraulic function

Sideshift stroke: PS25/PS35= 100 ± mm; PS50/PS63/PS80/PS100 = 125 ± 125 mm

Forks not included. Q: Load capacity / load center

Options: See page 21. ⓘ Additional information.

1.3 FORK POSITIONER WITH TELESCOPIC FORK INTERNAL SIDESHIFT



MOD.	Q Kg/mm	B mm	A mm	D-E mm	L1-L2 mm	M mm	K mm	CGH1 mm	CGH2 mm	S mm	P Kg	ISO
PS25KH0105C.1	2500/500	1050	460-1040	169-57	1200-2050	200	950	440	630	115	323	2A
PS25KH0115C.1	2500/500	1150	460-1140	169-57	1200-2050	200	950	440	630	115	326	2A
PS25KH0125C.1	2500/500	1250	460-1240	169-57	1200-2050	200	950	440	630	115	330	2A
PS25KH0135C.1	2500/500	1350	460-1340	169-57	1200-2050	200	950	440	630	115	333	2A
PS25KH0105C.2	2500/500	1050	460-1040	169-57	1350-2350	200	950	507	751	115	349	2A
PS25KH0115C.2	2500/500	1150	460-1140	169-57	1350-2350	200	950	507	751	115	352	2A
PS25KH0125C.2	2500/500	1250	460-1240	169-57	1350-2350	200	950	507	751	115	355	2A
PS25KH0135C.2	2500/500	1350	460-1340	169-57	1350-2350	200	950	507	751	115	358	2A
PS35KH0105E.1	3500/500	1050	460-1000	169-57	1200-2050	200	950	420	610	125	309	3A
PS35KH0115E.1	3500/500	1150	460-1100	169-57	1200-2050	200	950	420	610	125	312	3A
PS35KH0125E.1	3500/500	1250	460-1200	169-57	1200-2050	200	950	420	610	125	315	3A
PS35KH0135E.1	3500/500	1350	460-1300	169-57	1200-2050	200	950	420	610	125	319	3A
PS35KH0105E.2	3500/500	1050	460-1000	169-57	1350-2350	200	950	496	728	125	326	3A
PS35KH0115E.2	3500/500	1150	460-1100	169-57	1350-2350	200	950	496	728	125	329	3A
PS35KH0125E.2	3500/500	1250	460-1200	169-57	1350-2350	200	950	496	728	125	332	3A
PS35KH0135E.2	3500/500	1350	460-1300	169-57	1350-2350	200	950	496	728	125	336	3A

Notes:

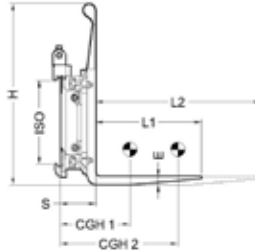
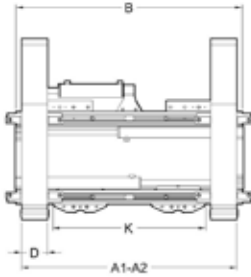
3 hydraulic functions

Q: Load capacity / Load center

Options: See page 21. ⓘ Additional information.

FORK POSITIONER WITH TELESCOPIC FORK EXTERNAL SIDESHIFT

1.4



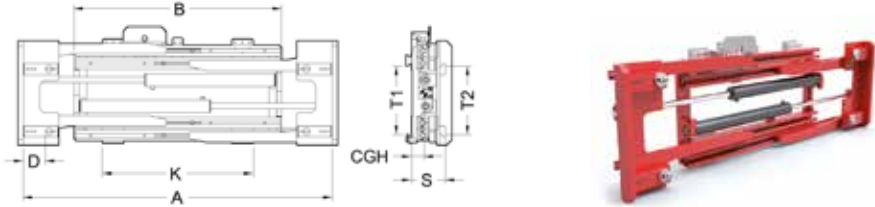
MOD.	Q Kg/mm	B mm	A mm	D-E mm	L1-L2 mm	M mm	K mm	CGH1 mm	CGH2 mm	S mm	P Kg	ISO
PS25KH0109C.1	2500/500	1050	460-1040	169-57	1200-2050	200	950	440	630	115	323	2A
PS25KH0119C.1	2500/500	1150	460-1140	169-57	1200-2050	200	950	440	630	115	326	2A
PS25KH0129C.1	2500/500	1250	460-1240	169-57	1200-2050	200	950	440	630	115	330	2A
PS25KH0139C.1	2500/500	1350	460-1340	169-57	1200-2050	200	950	440	630	115	333	2A
PS25KH0109C.2	2500/500	1050	460-1040	169-57	1350-2350	200	950	507	751	115	349	2A
PS25KH0119C.2	2500/500	1150	460-1140	169-57	1350-2350	200	950	507	751	115	352	2A
PS25KH0129C.2	2500/500	1250	460-1240	169-57	1350-2350	200	950	507	751	115	355	2A
PS25KH0139C.2	2500/500	1350	460-1340	169-57	1350-2350	200	950	507	751	115	358	2A
PS35KH0109E.1	3500/500	1050	460-1000	169-57	1200-2050	200	950	420	610	125	309	3A
PS35KH0119E.1	3500/500	1150	460-1100	169-57	1200-2050	200	950	420	610	125	312	3A
PS35KH0129E.1	3500/500	1250	460-1200	169-57	1200-2050	200	950	420	610	125	315	3A
PS35KH0139E.1	3500/500	1350	460-1300	169-57	1200-2050	200	950	420	610	125	319	3A
PS35KH0109E.2	3500/500	1050	460-1000	169-57	1350-2350	200	950	496	728	125	326	3A
PS35KH0119E.2	3500/500	1150	460-1100	169-57	1350-2350	200	950	496	728	125	329	3A
PS35KH0129E.2	3500/500	1250	460-1200	169-57	1350-2350	200	950	496	728	125	332	3A
PS35KH0139E.2	3500/500	1350	460-1300	169-57	1350-2350	200	950	496	728	125	336	3A

Notes:

3 hydraulic functions. Pressure sequence valve included: 2 hydraulic functions
Sideshift stroke: PS25/PS35 = 100 ± mm; PS50 / PS63 / PS80 / PS100 = 125 ± 125 mm
Forks not included. Q: Load capacity / load center

Options: See page 21. ⓘ Additional information.

1.5 FORK POSITIONER INTERNAL SIDESHIFT



MOD.	Q Kg/mm	B mm	A mm	D mm	K mm	CGH mm	S mm	P Kg	T1 mm	T2 mm
HP15E065C	1400/600	960	550-1710	120	840	89	194	258	2A	2A
HP15E165C	1400/600	1060	550-1810	120	840	86	194	263	2A	2A
HP20E065C	2200/600	960	565-1725	150	840	89	194	268	2A	2A
HP20E165C	2200/600	1060	565-1825	150	840	87	194	273	2A	2A
HP20E255C	2200/600	1160	465-1725	150	840	86	194	283	2A	2A
HP20E265C	2200/600	1160	565-1925	150	840	86	194	301	2A	2A
HP20E365C	2200/600	1260	565-2025	150	840	85	194	310	2A	2A
HP20E465C	2200/600	1360	565-2125	150	840	84	194	322	2A	2A
HP20E565C	2200/600	1460	565-2225	150	840	84	194	329	2A	2A
HP30E065E	3500/600	960	565-1725	150	840	89	204	268	3A	3A
HP30E165E	3500/600	1060	565-1825	150	840	87	204	273	3A	3A
HP30E265E	3500/600	1160	565-1925	150	840	86	204	301	3A	3A
HP30E365E	3500/600	1260	565-2025	150	840	85	204	310	3A	3A
HP30E465E	3500/600	1360	565-2125	150	840	84	204	322	3A	3A
HP30E565E	3500/600	1460	565-2225	150	840	84	204	329	3A	3A
HP40E365E	4200/600	1250	550-1950	180	1050	101	232	550	3A	3A
HP40E465E	4200/600	1350	550-2050	180	1050	100	232	564	3A	3A
HP40E565E	4200/600	1450	550-2150	180	1050	99	232	576	3A	3A
HP40E665E	4200/600	1550	550-2250	180	1050	98	232	580	3A	3A
HP40E765E	4200/600	1650	550-2350	180	1050	97	232	593	3A	3A
HP50E365G	4800/600	1250	550-1950	200	1050	101	252	550	4A	4A
HP50E465G	4800/600	1350	550-2050	200	1050	100	252	564	4A	4A
HP50E565G	4800/600	1450	550-2150	200	1050	99	252	576	4A	4A
HP50E665G	4800/600	1550	550-2250	200	1050	98	252	580	4A	4A
HP50E765G	4800/600	1650	550-2350	200	1050	97	252	593	4A	4A

Notes:

2 hydraulic functions

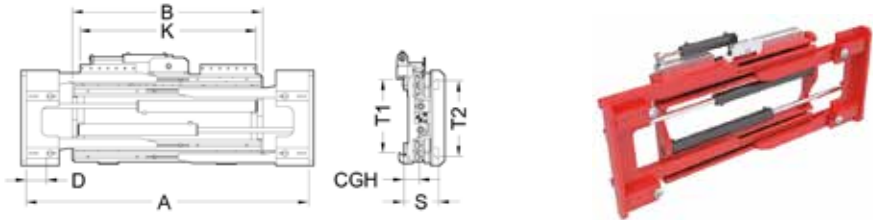
Forks not included

Q: Load capacity / Load center

Options: See page 21. ⓘ Additional information.

FORK POSITIONER EXTERNAL SIDESHIFT

1.6



MOD.	Q Kg/mm	B mm	A mm	D mm	K mm	CGH mm	S mm	P Kg	T1 mm	T2 mm
HP15E069C	1400/600	960	550-1710	120	1000	89	221	342	2A	2A
HP15E169C	1400/600	1060	550-1810	120	1000	86	221	358	2A	2A
HP20E069C	2200/600	960	565-1725	150	1000	89	221	348	2A	2A
HP20E169C	2200/600	1060	565-1825	150	1000	87	221	362	2A	2A
HP20E269C	2200/600	1160	565-1925	150	1000	86	221	376	2A	2A
HP20E369C	2200/600	1260	565-2025	150	1000	85	221	390	2A	2A
HP20E469C	2200/600	1360	565-2125	150	1000	84	221	404	2A	2A
HP20E569C	2200/600	1460	565-2225	150	1000	84	221	418	2A	2A
HP30E069E	3500/600	960	565-1725	150	1000	89	221	348	3A	3A
HP30E169E	3500/600	1060	565-1825	150	1000	87	226	362	3A	3A
HP30E269E	3500/600	1160	565-1925	150	1000	86	226	376	3A	3A
HP30E369E	3500/600	1260	565-2025	150	1000	85	226	390	3A	3A
HP30E469E	3500/600	1360	565-2125	150	1000	84	226	404	3A	3A
HP30E569E	3500/600	1460	565-2225	150	1000	84	226	418	3A	3A
HP40E369E	4200/600	1250	550-1950	180	1200	101	265	631	3A	3A
HP40E469E	4200/600	1350	550-2050	180	1200	100	265	645	3A	3A
HP40E569E	4200/600	1450	550-2150	180	1200	99	265	659	3A	3A
HP40E669E	4200/600	1550	550-2250	180	1200	98	265	673	3A	3A
HP40E769E	4200/600	1650	550-2350	180	1200	97	265	687	3A	3A
HP50E369G	4800/600	1250	550-1950	180	1200	101	278	631	4A	4A
HP50E469G	4800/600	1350	550-2050	180	1200	100	278	645	4A	4A
HP50E569G	4800/600	1450	550-2150	180	1200	99	278	659	4A	4A
HP50E669G	4800/600	1550	550-2250	180	1200	98	278	673	4A	4A
HP50E769G	4800/600	1650	550-2350	180	1200	97	278	687	4A	4A

Notes:

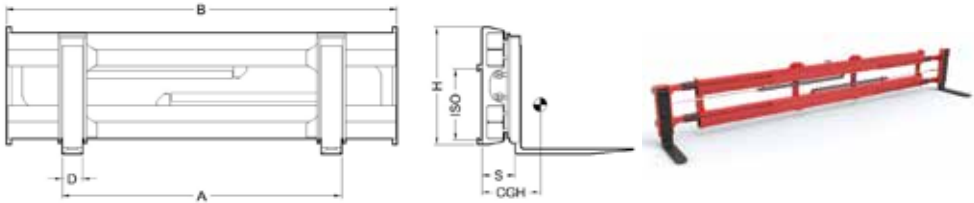
2 hydraulic functions

Sideshift stroke: HP15 / HP20 / HP30 = 100 ± mm; HP40 / HP50 = 125 ± 125 mm

Forks not included. Q: Load capacity / load center

Options: See page 21. ⓘ Additional information.

1.7 FORK POSITIONER LARGE OPENING INTERNAL SIDESHIFT



MOD.	Q Kg/mm	CC mm	B mm	A mm	D mm	M mm	CGH mm	S mm	P Kg	ISO1 mm	ISO2 mm
GP40D21C	4000	600	2100	1300-3500	180	880	100	205	660	4	4
GP40D31C	4000	600	3100	2300-4500	180	880	100	205	745	4	4
GP40D41C	4000	600	4100	3300-5500	180	880	100	205	830	4	4
GP80D21C	8000	600	2100	1300-3500	180	1080	125	255	1390		
GP80D31C	8000	600	3100	2300-4500	180	1080	125	255	1430		
GP80D41C	8000	600	4100	3300-5500	180	1080	125	255	1470		
GP120D21C	12000	600	2100	1300-3500	250	1260	170	335	3330		
GP120D31C	12000	600	3100	2300-4500	250	1260	170	335	3390		
GP120D41C	12000	600	4100	3300-5500	250	1260	170	335	3450		
GP120D80C	12000	600	8000	5000-10000	250	1260	170	335	3600		

Notes: Forks adaptor included. Forks not included. 2 hydraulic functions. Q: Load capacity / load center. D: Max fork section ISO 1. Forklift mounting: ISO 2.

Options: See page 21. ⓘ Additional information.



FORKS POSITIONERS

ADDITIONAL INFORMATION



Hydraulic flow (L/min)

MOD.	Min.	Max.	Bar. Max.
PS25-35	18	30	180
PS63	18	40	220
HP15-20-30	18	40	210
HP40	20	40	210
GP	20	40	210

Hydraulic functions

MOD.	H.F.
PS without sideshift	1
PS with sideshift	2
PS with sideshift + telesc. forks	3
HP	2
GP	2

Options

MOD.	Load backrest (120 mm)	Seq. valve	Other frame width	Integral mounting	Other openings	Other load capacities	Galvanized
PS2	350	1100			Consult	Consult	Consult
PS35	350	1100			Consult	Consult	Consult
PS50	350	1100			Consult	Consult	Consult
PS63	400	1100			Consult	Consult	Consult
PS80		1100			Consult	Consult	Consult
PS100		1100			Consult	Consult	Consult
HP15-20-30	350				Consult	Consult	
HP30	375				Consult	Consult	
HP40	400				Consult	Consult	
HP50	400				Consult	Consult	
GP			Consult	Consult	Consult	Consult	

MULTIPLE FORK POSITIONER



2

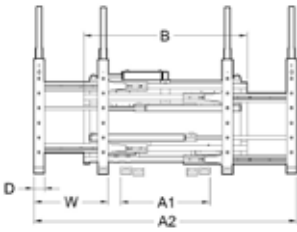
2.1 DOUBLE FORK POSITIONER / p.24

2.2 TRIPLE FORK POSITIONER / p.25

*IADDITIONAL
INFORMATION / p.27*

2.1 DOUBLE FORK POSITIONER EXTERNAL SIDESHIFT

Having four forks, this kind of fork positioner can handle one or two pallets. Therefore it is meant to beverage, ceramic and concret industries. Fork movement is uniform and symmetric to product's symmetry axis.



MOD.	Q Kg/mm	B mm	A1-A2 mm	W mm	H mm	L-D-E mm	K mm	CGH mm	S mm	P Kg	ISO
DOUBLE FORK POSITIONER EUROPALET 1200-800(*)											
DP20H209C.115	2000/600	1230	560-1980	560-650-700	1250	1150-80-40	1000	269	220	525	2
DP25H209E.115	2500/600	1230	560-1980	560-650-700	1250	1150-80-50	1000	269	230	530	3
DP25H309E.115	2500/600	1330	560-2080	560-650-700	1250	1150-80-50	1000	279	230	540	3
DP35H209E.115	3500/600	1230	560-1980	560-650-700	1250	1150-80-60	1000	272	240	530	3
DP35H309E.115	3500/600	1330	560-2080	560-650-700	1250	1150-80-60	1000	282	240	540	3
DP40H309E.115	4000/600	1330	560-2080	560-650-720	1250	1150-80-60	1100	258	240	585	3
DOUBLE FORK POSITIONER EUROPALET 1200-1000(*)											
DP20H259C.115	2000/600	1230	660-2080	560-650-700	1250	1150-80-40	1000	269	220	536	2
DP25H259E.115	2500/600	1230	660-2080	560-650-700	1250	1150-80-50	1000	265	230	536	3
DOUBLE FORK POSITIONER HALF EUROPALET											
DP20H109C.115	2500/600	970	560-1730	560-650-700	1250	1150-80-40	940	269	230	525	2

Notes:

2 hydraulic functions

Sideshift stroke: 100 + 100 mm

Bolt-on forks

Q: Load capacity / Load center

K: min. fork carriage width

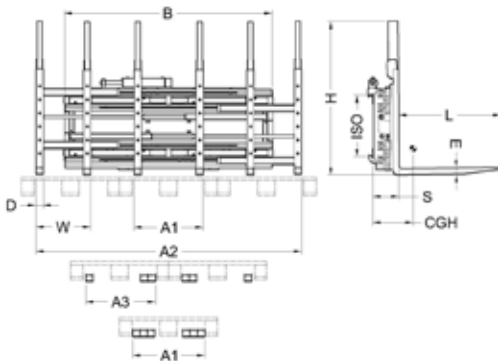
* Second digit indicates the pallet's opening side

Options: See page 27. ⓘ Additional information.

TRIPLE FORK POSITIONER EXTERNAL SIDESHIFT

2.2

Having six forks, it allows visibility, and like double positioner, it is meant to beverage, ceramic and concret industries. This fork positioner can handle 1, 3 or 3 pallets, for Euro pallet dimensions. Fork movement is uniform and symmetric to product's symmetry axis.



MOD.	Q Kg/mm	B mm	A1-A2 mm	A3 mm	W mm	H mm	L-D-E mm	K mm	CGH mm	S mm	P Kg	ISO
TRIPLE FORK POSITIONER EUROPALET 1200-800(*)												
DQ20J179C.115	2000/600	1700	560-2400	570	510	1250	60-50-1150	1400	232	222	708	2
DQ30J179E.115	3000/600	1700	560-2400	570	515	1250	60-50-1150	1400	228	217	713	3
DQ36J179E.115	3600/600	1700	560-2400	570	510	1260	60-60-1150	1400	249	227	767	3
TRIPLE FORK POSITIONER EUROPALET 1200-1000(*)												
DQ30J199E.115	3000/600	1900	620-2700	620	620	1250	60-60-1150	1400	240	217	890	3
DQ30J209E.115	3000/600	2000	660-2900	680	660	1250	60-50-1150	1400	216	217	785	3
DQ36J209E.115	3600/600	2000	660-2900	680	660	1260	60-60-1150	1400	235	227	837	3
TRIPLE FORK POSITIONER EUROPALET 1000-1200(*)												
DQ30J229E.100	3000/600	2200	660-3120	680	620	1200	60-50-1000	1400	190	217	765	3
DQ36J229E.100	3600/600	2200	660-3120	680	620	1200	60-60-1000	1400	209	227	755	3

Notes:

- 2 hydraulic functions
- Sideshift stroke: 100 + 100 mm
- Bolt-on forks

Q: Load capacity / Load center
K: min. fork carriage width

* Second digit indicates the pallet's opening side

Options: See page 27. ⓘ Additional information.

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MULTIPLE FORK POSITIONERS

ADDITIONAL INFORMATION



Hydraulic flow (L/min)

MOD.	Min.	Recmd.	Max.	Bar. Max.
DP20-25-35	15	20	40	210
DP40	18	20	40	220
DQ	22	25	42	220

Hydraulic functions

MOD.	F.H.
DP with sideshift	2
DP without sideshift	1
DQ	2

Options

MOD.	Flow control valve	Other protector height	Other openings	Optional kit separate inside forks	Different fork lengths	Load stabiliser	Quick couplings
DP		Consult	Consult	850	Consult	Consult	150
DQ	Ref.0173410	Consult	Consult		Consult	Consult	150

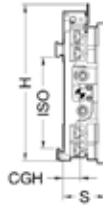
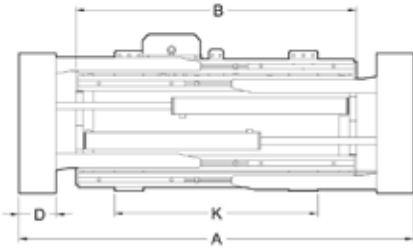
CLAMPS



3

- 3.1 **FRAME CLAMP / p.30**
- 3.2 **ROTATING FORK CLAMP (360° ROTATION) / p.32**
- 3.3 **FORK CLAMP / p.34**
- 3.4 **ROTATING FORK CLAMP (360° ROTATION) / p.37**
- 3.5 **PIVOTING FORK CLAMP WITH INTERNAL SIDESHIFT / p.38**
- 3.6 **PIVOTING FORK CLAMP (360° ROTATION) / p.39**
- 3.7 **BALE CLAMP 1.500 – 2.000 Kg / p.40**
- 3.8 **BALE CLAMP 3.000 – 4.800 Kg / p.42**
- 3.9 **ROTATING BALE CLAMP (360° ROTATION) / p.44**
- 3.10 **CARTON CLAMP / p.46**
- 3.11 **CARTON CLAMP WITH OSCILATING ARMS / p.47**
- 3.12 **FOAM RUBBER CLAMP / p.48**
- 3.13 **REVOLVING CLAMP FOR PLASTIC DRUMS (360° ROTATION) / p.48**
- 3.14 **LATERAL REVOLVING CLAMP FOR DRUMS (180 ROTATION) / p.49**
- 3.15 **MECHANICAL CLAMP FOR STEEL DRUMS / p.49**
- 3.16 **SLIP-ON ARMS FOR FORKS CLAMPS / p.50**
- ADDITIONAL INFORMATION / p.53**

3.1 FRAME CLAMP INTERNAL SIDESHIFT



MOD.	Q Kg	CC mm	B mm	A mm	H mm	D mm	K mm	CGH mm	S mm	P Kg	ISO
BC15E065C	1400	500	960	550-1710	652	120	840	82	173	258	2A
BC15E075C	1400	500	960	650-1910	652	120	840	82	173	232	2A
BC15E165C	1400	500	1060	550-1810	652	120	840	80	173	270	2A
BC15E175C	1400	500	1060	650-2010	652	120	840	80	173	272	2A
BC15E265C	1400	500	1160	550-1910	652	120	840	79	173	278	2A
BC15E275C	1400	500	1160	650-2110	652	120	840	79	173	280	2A
BC20E065C	2200	500	960	565-1725	652	120	840	81	173	262	2A
BC20E075C	2200	500	960	665-1925	652	120	840	81	173	264	2A
BC20E145C	2200	500	1060	505-1705	652	120	840	79	173	272	2A
BC20E155C	2200	500	1060	465-1625	652	120	840	79	173	270	2A
BC20E165C	2200	500	1060	565-1825	635	120	840	79	173	274	2A
BC20E175C	2200	500	1060	665-2025	652	120	840	79	173	276	2A
BC20E255C	2200	500	1160	465-1725	652	120	840	78	173	282	2A
BC20E265C	2200	500	1160	565-1925	652	120	840	78	173	284	2A
BC20E275C	2200	500	1160	665-2125	652	120	840	78	173	286	2A
BC20E365C	2200	500	1260	565-2025	652	120	840	78	173	294	2A
BC20E375C	2200	500	1260	665-2225	652	120	840	78	173	296	2A
BC20E465C	2200	500	1360	565-2125	652	120	840	77	173	304	2A
BC20E475C	2200	500	1360	665-2325	652	120	840	77	173	306	2A
BC20E485C	2200	500	1360	765-2525	652	120	840	77	173	308	2A
BC20E495C	2200	500	1360	865-2725	652	120	840	77	173	310	2A
BC20E565C	2200	500	1460	565-2225	652	120	840	77	173	312	2A
BC20E575C	2200	500	1460	665-2425	652	120	840	77	173	314	2A
BC30E065E	2900	500	960	565-1725	652	120	840	81	173	235	3A
BC30E155E	2900	500	1060	465-1625	652	120	840	79	173	270	3A
BC30E165E	2900	500	1060	565-1825	652	120	840	79	173	274	3A
BC30E175E	2900	500	1060	665-2025	652	120	840	79	173	276	3A

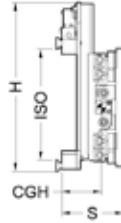
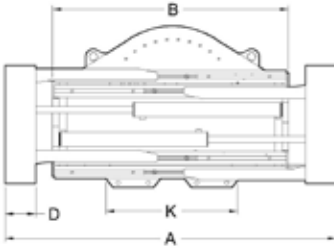
Any kind of arms can be adapted to its frame, this is an example of its versatility. Equipment design allows visibility and its robust structure ensure long service life.

Notes: 2 hydraulic functions.

Options: See page 53. ⓘ Additional information.

MOD.	Q Kg	CC mm	B mm	A mm	H mm	D mm	K mm	CGH mm	S mm	P Kg	ISO
BC30E265E	2900	500	1160	565-1925	652	120	840	78	173	286	3A
BC30E275E	2900	500	1160	665-2125	652	120	840	78	173	288	3A
BC30E365E	2900	500	1260	565-2025	652	120	840	78	173	294	3A
BC30E375E	2900	500	1260	665-2225	652	120	840	78	173	296	3A
BC30E465E	2900	500	1360	565-2125	652	120	840	77	173	304	3A
BC30E475E	2900	500	1360	665-2325	652	120	840	77	173	306	3A
BC30E565E	2900	500	1460	565-2225	652	120	840	76	173	312	3A
BC30E575E	2900	500	1460	665-2425	652	120	840	76	173	314	3A
BC40E365E	4200	600	1250	560-1960	833	150	1050	91	193	475	3A
BC40E375E	4200	600	1250	660-2160	833	150	1050	90	193	477	3A
BC40E465E	4200	600	1350	560-2060	833	150	1050	90	193	487	3A
BC40E475E	4200	600	1350	660-2260	833	150	1050	89	193	488	3A
BC40E565E	4200	600	1450	560-2160	833	150	1050	89	193	500	3A
BC40E575E	4200	600	1450	660-2360	833	150	1050	88	193	502	3A
BC40E665E	4200	600	1550	560-2260	833	150	1050	89	193	503	3A
BC40E675E	4200	600	1550	660-2460	833	150	1050	89	193	505	3A
BC40E765E	4200	600	1650	560-2360	833	150	1050	88	193	506	3A
BC40E775E	4200	600	1650	660-2560	833	150	1050	87	193	508	3A
BC50E365G	5000	600	1250	560-1960	833	150	1050	91	193	475	4A
BC50E375G	5000	600	1250	660-2160	833	150	1050	90	193	477	4A
BC50E465G	5000	600	1350	560-2060	833	150	1050	90	193	487	4A
BC50E475G	5000	600	1350	660-2260	833	150	1050	89	193	488	4A
BC50E565G	5000	600	1450	560-2160	833	150	1050	89	193	500	4A
BC50E575G	5000	600	1450	660-2360	833	150	1050	88	193	502	4A
BC50E665G	5000	600	1550	560-2260	833	150	1050	89	193	503	4A
BC50E675G	5000	600	1550	660-2460	833	150	1050	89	193	505	4A
BC50E765G	5000	600	1650	560-2360	833	150	1050	88	193	506	4A
BC50E775G	5000	600	1650	660-2560	833	150	1050	87	193	508	4A

3.2 ROTATING FORK CLAMP 360° ROTATION



MOD.	Q Kg	CC mm	B mm	A mm	D mm	F mm	K mm	H mm	CGH mm	S mm	P Kg	ISO
* BCR15E060C	1900	500	960	550-1710	120	310-1470	780	795	128	260	425	2A
BCR15E170C	1900	500	1060	650-2010	120	410-1770	780	795	126	260	440	2A
* BCR20E160C	2300	500	1060	565-1825	120	325-1585	780	795	126	260	440	2A
* BCR20E250C	2300	500	1160	465-1725	120	225-1485	780	795	124	260	446	2A
BCR20E270C	2300	500	1160	665-2125	120	425-1885	780	795	124	260	446	2A
BCR30E250E	2600	500	1160	465-1725	120	225-1485	780	795	124	260	446	3A
* BCR30E260E	2600	500	1160	565-1925	120	325-1685	780	795	124	260	446	3A
* BCR30E360E	2600	500	1260	565-2025	120	325-1785	780	795	122	260	452	3A
* BCR30E560E	2600	500	1460	565-2225	120	325-1985	780	795	118	260	464	3A
* BCR40E360E	3900	600	1250	560-1960	150	260-1660	920	957	140	290	729	3A
* BCR40E460E	3900	600	1350	560-2060	150	260-1760	920	957	138	290	742	3A
BCR40E470E	3900	600	1350	660-2260	150	360-1960	920	957	138	290	742	3A
* BCR50E360G	4700	600	1250	560-1960	150	260-1660	920	957	180	330	734	4A
BCR50E670G	4700	600	1350	660-2460	150	360-2160	920	957	172	330	768	4A

Notes:

Flow control valve and check valve

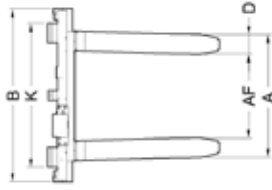
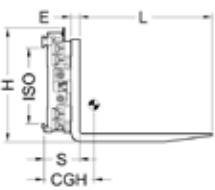
2 hydraulic functions

* For euro-pallet handling

Options: See page 53. ⓘ Additional information.



3.3 FORK CLAMP INTERNAL SIDESHIFT



MOD.	Q1-Q2 Kg	CC mm	B mm	A mm	AF mm	H mm	D-E mm	L mm	K mm	CGH mm	S mm	P Kg	ISO
* PH15E065C.120	1200/1400	500	960	550-1710	310-1470	674	120-35	1200	840	230	177	315	2A
PH15E075C.120	1200/1400	500	960	650-1910	410-1670	674	120-35	1200	840	230	177	317	2A
* PH15E165C.120	1200/1400	500	1060	550-1810	310-1570	674	120-35	1200	840	224	177	328	2A
PH15E175C.120	1200/1400	500	1060	650-2010	410-1770	674	120-35	1200	840	224	177	330	2A
* PH15E265C.120	1200/1400	500	1160	550-1910	310-1570	674	120-35	1200	840	220	177	335	2A
PH15E275C.120	1200/1400	500	1160	650-2110	410-1770	674	120-35	1200	840	220	177	337	2A
* PH20E065C.120	1900/2200	500	960	565-1725	325-1485	679	120-40	1200	840	247	182	337	2A
PH20E075C.120	1900/2200	500	960	665-1925	425-1685	679	120-40	1200	840	246	182	339	2A
* PH20E145C.120	1900/2200	500	1060	505-1705	225-1385	679	120-40	1200	840	240	182	350	2A
PH20E155C.120	1900/2200	500	1060	465-1625	225-1385	679	120-40	1200	840	240	182	350	2A
* PH20E165C.120	1900/2200	500	1060	565-1825	325-1585	679	120-40	1200	840	238	182	352	2A
PH20E175C.120	1900/2200	500	1060	665-2025	425-1785	679	120-40	1200	840	236	182	354	2A
* PH20E265C.120	1900/2200	500	1160	565-1925	325-1685	679	120-40	1200	840	235	182	358	2A
PH20E275C.120	1900/2200	500	1160	665-2125	425-1885	679	120-40	1200	840	234	182	360	2A
PH20E375C.120	1900/2200	500	1260	665-2225	425-1985	679	120-40	1200	840	230	182	368	2A
* PH20E465C.120	1900/2200	500	1360	565-2125	325-1885	679	120-40	1200	840	227	182	374	2A
PH20E475C.120	1900/2200	500	1360	665-2325	425-2085	679	120-40	1200	840	227	182	375	2A
PH20E485C.120	1900/2200	500	1360	765-2525	325-1885	679	120-40	1200	840	226	182	377	2A
PH20E495C.120	1900/2200	500	1360	865-2725	425-2085	679	120-40	1200	840	226	182	377	2A
* PH20E565C.120	1900/2200	500	1460	565-2225	325-1985	679	120-40	1200	840	224	182	381	2A
PH20E575C.120	1900/2200	500	1460	665-2425	425-2185	679	120-40	1200	840	223	182	383	2A
* PH30E065E.120	2200/2900	500	960	565-1725	325-1485	689	120-50	1200	840	274	192	368	3A
PH30E155E.120	2200/2900	500	1060	465-1625	225-1385	689	120-50	1200	840	266	192	380	3A
PH30E175E.120	2200/2900	500	1060	665-2025	425-1785	689	120-50	1200	840	264	192	384	3A
* PH30E265E.120	2200/2900	500	1160	565-1925	325-1685	689	120-50	1200	840	260	192	390	3A
PH30E275E.120	2200/2900	500	1160	665-2125	425-1885	689	120-50	1200	840	260	192	391	3A
* PH30E365E.120	2200/2900	500	1260	565-2025	325-1785	689	120-50	1200	840	257	192	397	3A
PH30E375E.120	2200/2900	500	1260	665-2225	425-1985	689	120-50	1200	840	256	192	399	3A
* PH30E465E.120	2200/2900	500	1360	565-2125	325-1885	689	120-50	1200	840	253	192	405	3A
PH30E475E.120	2200/2900	500	1360	665-2325	425-2085	689	120-50	1200	840	252	192	407	3A
* PH30E565E.120	2200/2900	500	1460	565-2225	325-1985	689	120-50	1200	840	249	192	412	3A
PH30E575E.120	2200/2900	500	1460	665-2425	425-2185	689	120-50	1200	840	249	192	414	3A

This equipment surpasses productivity and security simple fork uses in most of regular applications. By slip-on arms installation, drums, concrete blocks and paper bales can be handle.

Notes:

2 hydraulic functions

Bolt-on forks

Convergence between arms: 30 mm ± to 1000 mm in both arms

** For euro-pallet handling

Q1: Capacity when clamping

Q2: capacity on the forks

CC: Center of load

PHP: Equipment prepared for slip-on arms installation

Options: See page 53. ⓘ Additional information.

MOD.	Q1-Q2 Kg	CC mm	B mm	A mm	AF mm	H mm	D-E mm	L mm	K mm	CGH mm	S mm	P Kg	ISO
* PH40E365E.120	3500/4200	600	1250	560-1960	260-1660	888	150-60	1200	1050	260	225	650	3A
PH40E375E.120	3500/4200	600	1250	660-2160	360-1860	888	150-60	1200	1050	260	225	653	3A
* PH40E465E.120	3500/4200	600	1350	560-2060	260-1760	888	150-60	1200	1050	257	225	663	3A
PH40E475E.120	3500/4200	600	1350	660-2260	360-1960	888	150-60	1200	1050	257	225	665	3A
* PH40E565E.120	3500/4200	600	1450	560-2160	260-1860	888	150-60	1200	1050	254	225	676	3A
PH40E575E.120	3500/4200	600	1450	660-2360	360-2060	888	150-60	1200	1050	254	225	678	3A
* PH40E665E.120	3500/4200	600	1550	560-2260	260-1960	888	150-60	1200	1050	251	225	689	3A
PH40E675E.120	3500/4200	600	1550	660-2460	360-2160	888	150-60	1200	1050	251	225	691	3A
* PH40E765E.120	3500/4200	600	1650	560-2360	260-2060	888	150-60	1200	1050	247	225	702	3A
PH40E775E.120	3500/4200	600	1650	660-2560	360-2260	888	150-60	1200	1050	247	225	704	3A
* PH50E365G.120	4200/5000	600	1250	560-1960	260-1660	888	150-60	1200	1050	260	225	650	4A
PH50E375G.120	4200/5000	600	1250	660-2160	360-1860	888	150-60	1200	1050	260	225	653	4A
* PH50E465G.120	4200/5000	600	1350	560-2060	260-1760	888	150-60	1200	1050	257	225	663	4A
PH50E475G.120	4200/5000	600	1350	660-2260	360-1960	888	150-60	1200	1050	257	225	665	4A
* PH50E565G.120	4200/5000	600	1450	560-2160	260-1860	888	150-60	1200	1050	254	225	676	4A
PH50E575G.120	4200/5000	600	1450	660-2360	360-2060	888	150-60	1200	1050	254	225	678	4A
* PH50E665G.120	4200/5000	600	1550	560-2260	260-1960	888	150-60	1200	1050	251	225	689	4A
PH50E675G.120	4200/5000	600	1550	660-2460	360-2160	888	150-60	1200	1050	251	225	691	4A
* PH50E765G.120	4200/5000	600	1650	560-2360	260-2060	888	150-60	1200	1050	247	225	702	4A
PH50E775G.120	4200/5000	600	1650	660-2560	360-2260	888	150-60	1200	1050	247	225	704	4A
* PH60E365G.120	5000/6000	600	1250	560-1960	260-1660	898	150-70	1200	1050	278	235	694	4A
PH60E375G.120	5000/6000	600	1250	660-2160	360-1860	898	150-70	1200	1050	278	235	696	4A
* PH60E465G.120	5000/6000	600	1350	560-2060	260-1760	898	150-70	1200	1050	275	235	707	4A
PH60H475G.120	5000/6000	600	1350	660-2260	360-1960	898	150-70	1200	1050	275	235	709	4A
* PH60E565G.120	5000/6000	600	1450	560-2160	260-1860	898	150-70	1200	1050	272	235	720	4A
PH60E575G.120	5000/6000	600	1450	660-2360	360-2060	898	150-70	1200	1050	272	235	722	4A
* PH60E665G.120	5000/6000	600	1550	560-2260	260-1960	898	150-70	1200	1050	269	235	733	4A
PH60E675G.120	5000/6000	600	1550	660-2460	360-2160	898	150-70	1200	1050	269	235	735	4A
* PH60E765G.120	5000/6000	600	1650	560-2360	260-2060	898	150-70	1200	1050	266	235	745	4A
PH60E775G.120	5000/6000	600	1650	660-2560	360-2260	898	150-70	1200	1050	266	235	747	4A

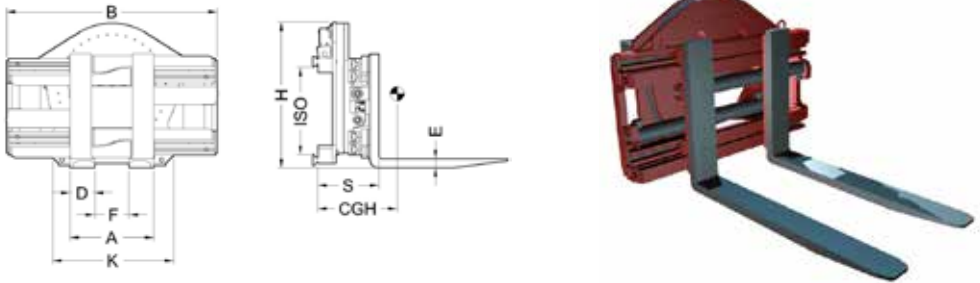
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ROTATING FORK CLAMP 360° ROTATION

3.4

This equipment surpasses productivity and security simple fork uses in most of regular applications.



MOD.	Q1-Q2 Kg	CC mm	B mm	F mm	D-E mm	A mm	L mm	K mm	H mm	CGH mm	S mm	P Kg	O Q2
PHR15E060C.120	1500-1900	500	960	310-1470	120-35	550-1710	1200	840	795	230	278	515	2
* PHR15E170C.120	1500-1900	500	1060	410-1770	120-35	650-2010	1200	840	795	228	278	530	2
* PHR20E160C.120	1900-2300	500	1060	325-1585	120-40	565-1825	1200	840	795	240	283	545	2
* PHR20E250C.120	1900-2300	500	1160	225-1485	120-40	465-1725	1200	840	795	240	283	551	2
PHR20E270C.120	1900-2300	500	1160	425-1885	120-40	665-2125	1200	840	795	240	283	555	2
* PHR30E260E.120	2200-2600	500	1160	325-1685	120-50	565-1925	1200	840	795	302	323	584	3
* PHR30E360E.120	2200-2600	500	1260	325-1785	120-50	565-2025	1200	840	795	301	323	592	3
* PHR30E560E.120	2200-2600	500	1460	325-1985	120-50	565-2225	1200	840	795	297	323	616	3
* PHR40E360E.120	3200-3900	600	1250	260-1660	150-60	560-1960	1200	1050	957	270	324	935	3
* PHR40E460E.120	3200-3900	600	1350	260-1760	150-60	560-2060	1200	1050	957	268	324	948	3
PHR40E470E.120	3200-3900	600	1350	360-1960	150-60	660-2260	1200	1050	957	268	324	951	3
* PHR50E360G.120	3900-4700	600	1250	260-1660	150-60	560-1960	1200	1050	957	310	364	935	4
PHR50E670G.120	3900-4700	600	1550	360-2160	150-60	660-2460	1200	1050	957	305	364	956	4

Notes:

2 hydraulic functions
Flow control valve and check valve

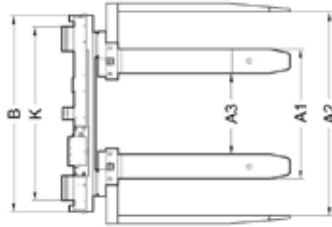
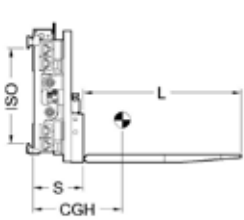
* For euro-pallet handling
Q1: Capacity when clamping

Q2: capacity on the forks

CC: Center of load

Options: See page 53. ⓘ Additional information.

3.5 PIVOTING FORK CLAMP INTERNAL SIDESHIFT



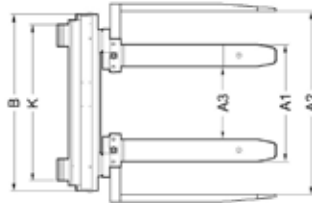
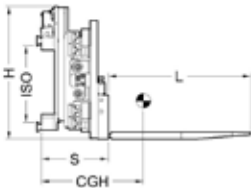
MOD.	Q1-Q2 Kg	CC mm	B mm	A1 mm	A2 mm	A3 mm	D-E mm	L mm	K mm	CGH mm	S mm	P Kg	Q2
PP15E055C.120	1200-1400	500	960	340-1400	440-1500	100-1160	120-35	1200	840	242	243	372	2
PP15E065C.120	1200-1400	500	960	440-1600	540-1700	200-1360	120-35	1200	840	242	243	371	2
PP15E155C.120	1200-1400	500	1060	340-1500	440-1600	100-1260	120-35	1200	840	234	243	387	2
PP15E165C.120	1200-1400	500	1060	440-1700	540-1800	200-1460	120-35	1200	840	235	243	385	2
PP20E055C.120	1900-2200	500	960	355-1415	455-1515	115-1175	120-40	1200	840	256	243	385	2
PP20E065C.120	1900-2200	500	960	455-1615	555-1715	215-1375	120-40	1200	840	255	243	387	2
PP20E155C.120	1900-2200	500	1060	355-1515	455-1615	115-1275	120-40	1200	840	248	243	398	2
PP20E165C.120	1900-2200	500	1060	455-1715	555-1815	215-1475	120-40	1200	840	247	243	401	2
PP20E255C.120	1900-2200	500	1160	355-1615	455-1715	115-1375	120-40	1200	840	245	243	406	2
PP20E265C.120	1900-2200	500	1160	455-1815	555-1915	215-1575	120-40	1200	840	244	243	408	2
PP20E355C.120	1900-2200	500	1260	355-1715	455-1815	115-1475	120-40	1200	840	241	243	415	2
PP20E365C.120	1900-2200	500	1260	455-1915	555-2015	215-1675	120-40	1200	840	240	243	416	2
PP20E455C.120	1900-2200	500	1360	355-1815	455-1915	115-1575	120-40	1200	840	238	243	421	2
PP20E465C.120	1900-2200	500	1360	455-2015	555-2150	215-1775	120-40	1200	840	237	243	423	2
PP20E555C.120	1900-2200	500	1460	355-1915	455-2015	115-1675	120-40	1200	840	235	243	429	2
PP20E565C.120	1900-2200	500	1460	455-2115	555-2215	215-1875	120-40	1200	840	234	243	431	2
PP30E055E.120	2200-2900	500	960	355-1415	455-1515	115-1175	120-50	1200	840	280	243	404	3
PP30E065E.120	2200-2900	500	960	455-1615	555-1715	215-1375	120-50	1200	840	280	243	405	3
PP30E155E.120	2200-2900	500	1060	355-1515	455-1615	115-1275	120-50	1200	840	272	243	419	3
PP30E165E.120	2200-2900	500	1060	455-1715	555-1815	215-1475	120-50	1200	840	272	243	420	3
PP30E255E.120	2200-2900	500	1160	355-1615	455-1715	115-1375	120-50	1200	840	269	243	425	3
PP30E265E.120	2200-2900	500	1160	455-1815	555-1915	215-1575	120-50	1200	840	268	243	427	3
PP30E355E.120	2200-2900	500	1260	355-1715	455-1815	115-1475	120-50	1200	840	265	243	433	3
PP30E365E.120	2200-2900	500	1260	455-1915	555-2015	215-1675	120-50	1200	840	264	243	434	3
PP30E455E.120	2200-2900	500	1360	355-1815	455-1915	115-1575	120-50	1200	840	261	243	441	3
PP30E465E.120	2200-2900	500	1360	455-2015	555-2150	215-1775	120-50	1200	840	260	243	443	3
PP30E555E.120	2200-2900	500	1460	355-1915	455-2015	115-1675	120-50	1200	840	258	243	448	3
PP30E565E.120	2200-2900	500	1460	455-2115	555-2215	215-1875	120-50	1200	840	257	243	449	3

Notes: 2 hydraulic functions. Manual fork rotation. Q1: Capacity when clamping, Q2: capacity on the forks. CC: Center of load. Max fork length: 1600 mm

Options: See page 53. ⓘ Additional information.

PIVOTING FORK CLAMP 360° ROTATION

3.6



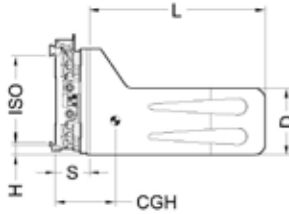
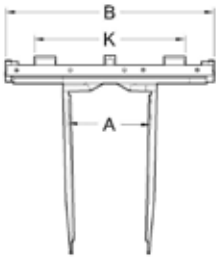
MOD.	Q1-Q2 Kg	CC mm	B mm	A1 mm	A2 mm	A3 mm	D-E mm	L mm	K mm	CGH mm	S mm	P Kg	ISO
PPR15E050C.120	1200-1400	500	960	340-1400	440-1500	100-1160	120-35	1200	780	282	346	572	2A
PPR15E060C.120	1200-1400	500	960	440-1600	540-1700	200-1360	120-35	1200	780	282	346	571	2A
PPR15E150C.120	1200-1400	500	1060	340-1500	440-1600	100-1260	120-35	1200	780	274	346	587	2A
PPR15E160C.120	1200-1400	500	1060	440-1700	540-1800	200-1460	120-35	1200	780	275	346	585	2A
PPR20E050C.120	1900-2200	500	960	355-1415	455-1515	115-1175	120-40	1200	780	296	346	585	2A
PPR20E060C.120	1900-2200	500	960	455-1615	555-1715	215-1375	120-40	1200	780	295	346	587	2A
PPR20E150C.120	1900-2200	500	1060	355-1515	455-1615	115-1275	120-40	1200	780	288	346	597	2A
PPR20E160C.120	1900-2200	500	1060	455-1715	555-1815	215-1475	120-40	1200	780	287	346	601	2A
PPR20E250C.120	1900-2200	500	1160	355-1615	455-1715	115-1375	120-40	1200	780	285	346	606	2A
PPR20E260C.120	1900-2200	500	1160	455-1815	555-1915	215-1575	120-40	1200	780	284	346	608	2A
PPR20E350C.120	1900-2200	500	1260	355-1715	455-1815	115-1475	120-40	1200	780	281	346	615	2A
PPR20E360C.120	1900-2200	500	1260	455-1915	555-2015	215-1675	120-40	1200	780	280	346	616	2A
PPR20E450C.120	1900-2200	500	1360	355-1815	455-1915	115-1575	120-40	1200	780	278	346	621	2A
PPR20E460C.120	1900-2200	500	1360	455-2015	555-2150	215-1775	120-40	1200	780	277	346	623	2A
PPR20E550C.120	1900-2200	500	1460	355-1915	455-2015	115-1675	120-40	1200	780	275	346	629	2A
PPR20E560C.120	1900-2200	500	1460	455-2115	555-2215	215-1875	120-40	1200	780	274	346	631	2A
PPR30E050E.120	2200-2900	500	960	355-1415	455-1515	115-1175	120-50	1200	780	320	386	604	3A
PPR30E060E.120	2200-2900	500	960	455-1615	555-1715	215-1375	120-50	1200	780	320	386	605	3A
PPR30E150E.120	2200-2900	500	1060	355-1515	455-1615	115-1275	120-50	1200	780	312	386	619	3A
PPR30E160E.120	2200-2900	500	1060	455-1715	555-1815	215-1475	120-50	1200	780	312	386	620	3A
PP30E250E.120	2200-2900	500	1160	355-1615	455-1715	115-1375	120-50	1200	780	309	386	625	3A
PPR30E260E.120	2200-2900	500	1160	455-1815	555-1915	215-1575	120-50	1200	780	308	386	627	3A
PPR30E350E.120	2200-2900	500	1260	355-1715	455-1815	115-1475	120-50	1200	780	305	386	633	3A
PPR30E360E.120	2200-2900	500	1260	455-1915	555-2015	215-1675	120-50	1200	780	304	386	634	3A
PPR30E450E.120	2200-2900	500	1360	355-1815	455-1915	115-1575	120-50	1200	780	301	386	641	3A
PPR30E460E.120	2200-2900	500	1360	455-2015	555-2150	215-1775	120-50	1200	780	300	386	643	3A
PP30E550E.120	2200-2900	500	1460	355-1915	455-2015	115-1675	120-50	1200	780	398	386	648	3A
PPR30E550E.120	2200-2900	500	1460	455-2115	555-2215	215-1875	120-50	1200	780	397	386	649	3A

Notes: 2 hydraulic functions. Manual fork rotation. Q1: Capacity when clamping. Q2: capacity on the forks. CC: Center of load. Max fork length: 1600 mm

Options: See page 53. ⓘ Additional information.

3.7 BALE CLAMP 1.500 – 2.000 Kg INTERNAL SIDESHIFT

This equipment permit to handle with no pallet, paper-rolls bales, cellulose, cotton, and enables reduction of storage space. Its reduced arms thickness allows excellent management between bales.



MOD.	Q Kg	CC mm	B mm	A mm	L-D mm	H mm	K mm	CGH mm	S mm	P Kg	ISO
PB15E065C.080	1500	500	960	550-1710	800-370	76	840	217	183	381	2A
PB15E065C.100	1500	500	960	550-1710	1000-370	76	840	265	183	404	2A
PB15E065C.120	1500	500	960	550-1710	1200-370	76	840	317	183	429	2A
PB15E075C.080	1500	500	960	650-1910	800-370	76	840	216	183	383	2A
PB15E075C.100	1500	500	960	650-1910	1000-370	76	840	264	183	406	2A
PB15E075C.120	1500	500	960	650-1910	1200-370	76	840	316	183	431	2A
PB15E165C.080	1500	500	1060	550-1815	800-370	76	840	208	183	395	2A
PB15E165C.100	1500	500	1060	550-1815	1000-370	76	840	257	183	419	2A
PB15E165C.120	1500	500	1060	550-1815	1200-370	76	840	308	183	443	2A
PB15E175C.080	1500	500	1060	650-2010	800-370	76	840	209	183	397	2A
PB15E175C.100	1500	500	1060	650-2010	1000-370	76	840	256	183	421	2A
PB15E175C.120	1500	500	1060	650-2010	1200-370	76	840	307	183	445	2A
PB20E065C.100	2000	500	960	565-1725	1000-370	76	840	265	183	410	2A
PB20E065C.120	2000	500	960	565-1725	1200-370	76	840	317	183	435	2A
PB20E075C.100	2000	500	960	665-1925	1000-370	76	840	264	183	412	2A
PB20E075C.120	2000	500	960	665-1925	1200-370	76	840	316	183	437	2A
PB20E155C.100	2000	500	1060	465-1625	1000-370	76	840	258	183	423	2A
PB20E155C.120	2000	500	1060	465-1625	1200-370	76	840	309	183	447	2A
PB20E165C.100	2000	500	1060	565-1825	1000-370	76	840	257	183	425	2A
PB20E165C.120	2000	500	1060	565-1825	1200-370	76	840	308	183	449	2A
PB20E175C.100	2000	500	1060	665-2025	1000-370	76	840	256	183	427	2A
PB20E175C.120	2000	500	1060	665-2025	1200-370	76	840	307	183	451	2A

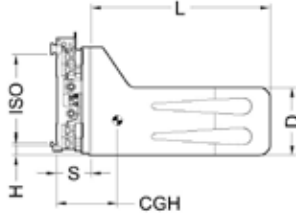
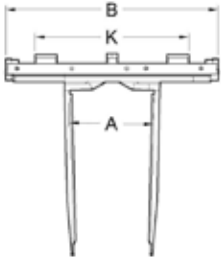


Notes: 2 hydraulic functions

Options: See page 53. ⓘ Additional information.

MOD.	Q Kg	CC mm	B mm	A mm	L-D mm	H mm	K mm	CGH mm	S mm	P Kg	ISO
PB20E245C.120	2000	500	1160	400-1600	1200-370	76	870	310	183	450	2A
PB20E255C.100	2000	500	1160	465-1725	1000-370	76	840	254	183	430	2A
PB20E255C.120	2000	500	1160	465-1725	1200-370	76	840	305	183	455	2A
PB20E265C.100	2000	500	1160	565-1925	1000-370	76	840	253	183	433	2A
PB20E265C.120	2000	500	1160	565-1925	1200-370	76	840	304	183	457	2A
PB20E275C.100	2000	500	1160	665-2125	1000-370	76	840	251	183	435	2A
PB20E275C.120	2000	500	1160	665-2125	1200-370	76	840	303	183	459	2A
PB20E365C.100	2000	500	1260	565-2025	1000-370	76	840	249	183	441	2A
PB20E365C.120	2000	500	1260	565-2025	1200-370	76	840	300	183	465	2A
PB20E375C.100	2000	500	1260	665-2225	1000-370	76	840	248	183	443	2A
PB20E375C.120	2000	500	1260	665-2225	1200-370	76	840	299	183	467	2A
PB20E465C.100	2000	500	1360	565-2125	1000-370	76	840	246	183	449	2A
PB20E465C.120	2000	500	1360	565-2125	1200-370	76	840	296	183	473	2A
PB20E475C.100	2000	500	1360	665-2325	1000-370	76	840	245	183	451	2A
PB20E475C.120	2000	500	1360	665-2325	1200-370	76	840	295	183	475	2A
PB20E565C.100	2000	500	1460	565-2225	1000-370	76	840	242	183	457	2A
PB20E565C.120	2000	500	1460	565-2225	1200-370	76	840	292	183	481	2A
PB20E575C.100	2000	500	1460	665-2425	1000-370	76	840	242	183	459	2A
PB20E575C.120	2000	500	1460	665-2425	1200-370	76	840	291	183	483	2A

3.8 BALE CLAMP 3.000 – 4.800 Kg INTERNAL SIDESHIFT



MOD.	Q Kg	CC mm	B mm	A mm	L-D mm	H mm	K mm	CGH mm	S mm	P Kg	ISO
PB30E065E.100	3000	500	960	565-1725	1000-370	76	840	265	183	410	3A
PB30E065E.120	3000	500	960	565-1725	1200-370	76	840	317	183	435	3A
PB30E075E.100	3000	500	960	665-1925	1000-370	76	840	264	183	412	3A
PB30E075E.120	3000	500	960	665-1925	1200-370	76	840	316	183	437	3A
PB30E155E.100	3000	500	1060	465-1625	1000-370	76	840	258	183	423	3A
PB30E155E.120	3000	500	1060	465-1625	1200-370	76	840	309	183	447	3A
PB30E165E.100	3000	500	1060	565-1825	1000-370	76	840	257	183	425	3A
PB30E165E.120	3000	500	1060	565-1825	1200-370	76	840	308	183	449	3A
PB30E175E.100	3000	500	1060	665-2025	1000-370	76	840	256	183	427	3A
PB30E175E.120	3000	500	1060	665-2025	1200-370	76	840	307	183	451	3A
PB30E255E.100	3000	500	1160	465-1725	1000-370	76	840	254	183	430	3A
PB30E255E.120	3000	500	1160	465-1725	1200-370	76	840	305	183	455	3A
PB30E265E.100	3000	500	1160	565-1925	1000-370	76	840	253	183	433	3A
PB30E265E.120	3000	500	1160	565-1925	1200-370	76	840	304	183	457	3A
PB30E275E.100	3000	500	1160	665-2125	1000-370	76	840	251	183	435	3A
PB30E275E.120	3000	500	1160	665-2125	1200-370	76	840	303	183	459	3A
PB30E365E.100	3000	500	1260	565-2025	1000-370	76	840	249	183	441	3A
PB30E365E.120	3000	500	1260	565-2025	1200-370	76	840	300	183	465	3A
PB30E375E.100	3000	500	1260	665-2225	1000-370	76	840	248	183	443	3A
PB30E375E.120	3000	500	1260	665-2225	1200-370	76	840	299	183	467	3A
PB30E465E.100	3000	500	1360	565-2125	1000-370	76	840	246	183	449	3A
PB30E465E.120	3000	500	1360	565-2125	1200-370	76	840	296	183	473	3A
PB30E475E.100	3000	500	1360	665-2325	1000-370	76	840	245	183	451	3A
PB30E475E.120	3000	500	1360	665-2325	1200-370	76	840	295	183	475	3A
PB30E565E.100	3000	500	1460	565-2225	1000-370	76	840	242	183	457	3A
PB30E565E.120	3000	500	1460	565-2225	1200-370	76	840	292	183	481	3A
PB30E575E.100	3000	500	1460	665-2425	1000-370	76	840	242	183	459	3A
PB30E575E.120	3000	500	1460	665-2425	1200-370	76	840	291	183	483	3A

This equipment permit to handle with no pallet, paper-rolls bales, cellulose, cotton, and enables reduction of storage space. Its reduced arms thickness allows excellent management between bales.

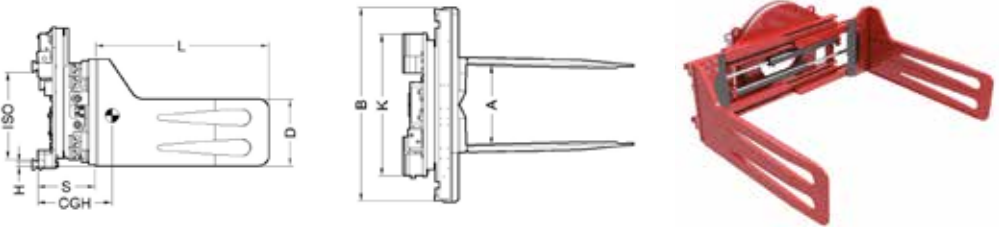
Notes: 2 hydraulic functions

Options: See page 53. ⓘ Additional information.

MOD.	Q Kg	CC mm	B mm	A mm	L-D mm	H mm	K mm	CGH mm	S mm	P Kg	ISO
PB35E365E.120	3600	500	1250	560-1960	1200-450	125	1050	306	209	753	3A
PB35E375E.120	3600	500	1250	660-2160	1200-450	125	1050	306	209	755	3A
PB35E465E.120	3600	500	1350	560-2060	1200-450	125	1050	301	209	766	3A
PB35E475E.120	3600	500	1350	660-2260	1200-450	125	1050	301	209	768	3A
PB35E565E.120	3600	500	1450	460-1960	1200-450	125	1050	297	209	779	3A
PB35E575E.120	3600	500	1450	660-2360	1200-450	125	1050	297	209	781	3A
PB35E665E.120	3600	500	1550	560-2260	1200-450	125	1050	294	209	792	3A
PB35E675E.120	3600	500	1550	660-2460	1200-450	125	1050	294	209	794	3A
PB35E765E.120	3600	500	1650	560-2360	1200-450	125	1050	290	209	806	3A
PB35E775E.120	3600	500	1650	660-2560	1200-450	125	1050	290	209	808	3A
PB40E365E.120	4200	600	1250	560-1960	1200-450	125	1050	306	209	753	3A
PB40E375E.120	4200	600	1250	660-2160	1200-450	125	1050	306	209	755	3A
PB40E465E.120	4200	600	1350	560-2060	1200-450	125	1050	301	209	766	3A
PB40E475E.120	4200	600	1350	660-2260	1200-450	125	1050	301	209	768	3A
PB40E565E.120	4200	600	1450	460-1960	1200-450	125	1050	297	209	779	3A
PB40E575E.120	4200	600	1450	660-2360	1200-450	125	1050	297	209	781	3A
PB40E665E.120	4200	600	1550	560-2260	1200-450	125	1050	294	209	792	3A
PB40E675E.120	4200	600	1550	660-2460	1200-450	125	1050	294	209	794	3A
PB40E765E.120	4200	600	1650	560-2360	1200-450	125	1050	290	209	806	3A
PB40E775E.120	4200	600	1650	660-2560	1200-450	125	1050	290	209	808	3A
PB50E365G.120	4800	600	1250	560-1960	1200-450	125	1050	306	209	753	4A
PB50E375G.120	4800	600	1250	660-2160	1200-450	125	1050	306	209	755	4A
PB50E465G.120	4800	600	1350	560-2060	1200-450	125	1050	301	209	766	4A
PB50E475G.120	4800	600	1350	660-2260	1200-450	125	1050	301	209	768	4A
PB50E565G.120	4800	600	1450	460-1960	1200-450	125	1050	297	209	779	4A
PB50E575G.120	4800	600	1450	660-2360	1200-450	125	1050	297	209	781	4A
PB50E665G.120	4800	600	1550	560-2260	1200-450	125	1050	294	209	792	4A
PB50E675G.120	4800	600	1550	660-2460	1200-450	125	1050	294	209	794	4A
PB50E765G.120	4800	600	1650	560-2360	1200-450	125	1050	290	209	806	4A
PB50E775G.120	4800	600	1650	660-2560	1200-450	125	1050	290	209	808	4A

3.9 ROTATING BALE CLAMP 360° ROTATION

This equipment permit to handle with no pallet, paper-rolls bales, cellulose, cotton, and enables reduction of storage space. Its reduced arms thickness allows excellent management between bales. Continuous 360° rotation.



MOD.	Q Kg	CC mm	B mm	A mm	L-D mm	H mm	K mm	CGH mm	S mm	P Kg	ISO
PBR15E160C.100	1500	500	1060	550-1710	1000-370	25	780	297	280	619	2A
PBR15E160C.120	1500	500	1060	550-1710	1200-370	25	780	348	280	643	2A
PBR15E170C.100	1500	500	1060	650-1910	1000-370	25	780	296	280	621	2A
PBR15E170C.120	1500	500	1060	650-1910	1200-370	25	780	347	280	645	2A
PBR20E160C.100	2000	500	1060	565-1725	1000-370	25	780	297	280	625	2A
PBR20E160C.120	2000	500	1060	565-1725	1200-370	25	780	348	280	649	2A
PBR20E170C.100	2000	500	1060	665-2025	1000-370	25	780	296	280	627	2A
PBR20E170C.120	2000	500	1060	665-2025	1200-370	25	780	347	280	651	2A
PBR20E260C.100	2000	500	1160	565-1925	1000-370	25	780	293	280	633	2A
PBR20E260C.120	2000	500	1160	565-1925	1200-370	25	780	344	280	657	2A
PBR20E270C.100	2000	500	1160	665-2125	1000-370	25	780	291	280	635	2A
PBR20E270C.120	2000	500	1160	665-2125	1200-370	25	780	343	280	659	2A
PBR30E360E.100	3000	500	1260	565-2025	1000-370	25	780	289	320	641	3A
PBR30E360E.120	3000	500	1260	565-2025	1200-370	25	780	340	320	665	3A
PBR30E370E.100	3000	500	1260	665-2225	1000-370	25	780	288	320	643	3A
PBR30E370E.120	3000	500	1260	665-2225	1200-370	25	780	349	320	667	3A
PBR30E460E.100	3000	500	1360	565-2125	1000-370	25	780	286	320	649	3A
PBR30E460E.120	3000	500	1360	565-2125	1200-370	25	780	346	320	673	3A
PBR30E470E.100	3000	500	1360	665-2325	1000-370	25	780	285	320	651	3A
PBR30E470E.120	3000	500	1360	665-2325	1200-370	25	780	345	320	675	3A

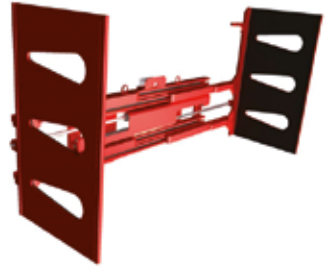
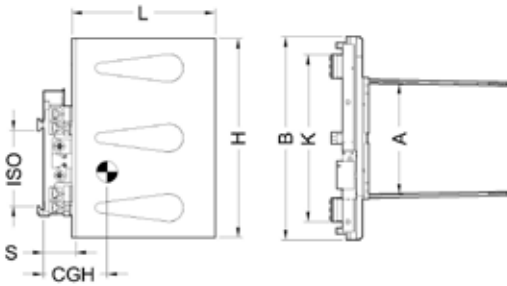
Notes: 2 hydraulic functions

Options: See page 53. ⓘ Additional information.



3.10 CARTON CLAMP INTERNAL SIDESHIFT

Equipment has been designed to handle packed appliances. The narrow profile clamping plates allows compact storage and no damages during the unloading.



MOD.	Q Kg/mm	B mm	Cylinder	A mm	L-H mm	K mm	CGH mm	S mm	P Kg	ISO
PE15E065C.065100	1250/500	960	580	555-1715	650-1000	840	211	163	348	2
PE15E065C.065120	1250/500	960	580	555-1715	650-1200	840	230	163	380	2
PE15E065C.070100	1250/500	960	580	555-1715	700-1000	840	230	163	359	2
PE15E065C.095100	1250/500	960	580	555-1715	950-1000	840	311	163	399	2
PE15E175C.065100	1250/500	1060	680	655-2015	650-1000	840	204	163	363	2
PE15E175C.065120	1250/500	1060	680	655-2015	650-1200	840	223	163	395	2
PE15E175C.070100	1250/500	1060	680	655-2015	700-1000	840	222	163	373	2
PE15E175C.095100	1250/500	1060	680	655-2015	950-1000	840	302	163	413	2
PE15E565C.065100	1250/500	1460	830	555-2215	650-1000	840	194	163	391	2
PE15E565C.095100	1250/500	1460	830	555-2215	950-1000	840	286	163	441	2

Notes:

- 2 hydraulic functions
- Arm with standard "Honeycomb" coating
- Q: Load capacity /Load center

Options:

- Pressure-relief manual valve with 4 pre-set positions. See "Complements"
- Pressure-relief electro valve with 4 pre-set positions. See "Complements"
- Stop-light. See "Complements"
- Other arm coatings. See "Complements"

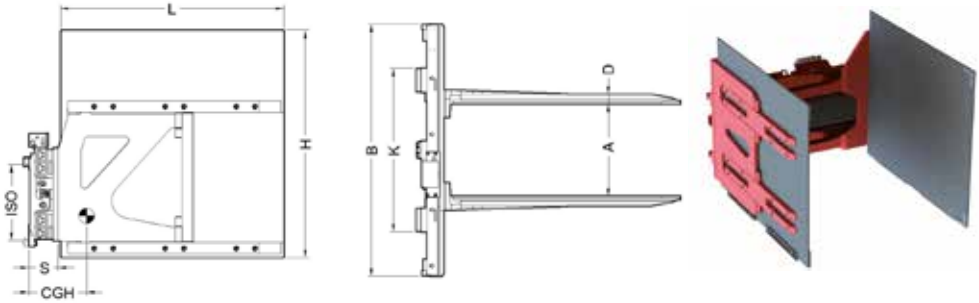
Other options: See page 53.

Additional information.

CARTON CLAMP WITH OSCILATING ARMS

3.11

This equipment has been designed to manage packed appliances. The narrow profile clamping plates with oscillating arms allow perfect handling.



MOD.	Q Kg/mm	B mm	Opening mm	S mm	L mm	H mm	D mm	CGH mm	P Kg	ISO
PK20E265.120-SS	1300/600	1160	515-1875	178	1200	1200	55	528	765	2-3
PK20E265.135-SS	1300/600	1160	515-1875	178	1350	1200	55	582	815	2-3
PK20E565.120-SS	1300/600	1460	515-2175	178	1200	1200	55	514	790	2-3
PK20E565.135-SS	1300/600	1460	515-2175	178	1350	1200	55	568	840	2-3
PK20E765.120-SS	1300/600	1660	515-2375	178	1200	1200	55	505	806	2-3
PK20E765.135-SS	1300/600	1660	515-2375	178	1350	1200	55	559	856	2-3
PK20E265.120-TT	1300/600	1160	505-1865	178	1200	1200	60	445	655	2-3
PK20E265.135-TT	1300/600	1160	505-1865	178	1350	1200	60	468	671	2-3
PK20E565.120-TT	1300/600	1460	505-2165	178	1200	1200	60	430	680	2-3
PK20E565.135-TT	1300/600	1460	505-2165	178	1350	1200	60	454	695	2-3
PK20E765.120-TT	1300/600	1660	505-2365	178	1200	1200	60	422	676	2-3
PK20E765.135-TT	1300/600	1660	505-2365	178	1350	1200	60	444	712	2-3

Notes: 2 hydraulic functions. Flow control valve and check valve. Regenerative circuit valve.

Q: Load capacity / Load center. Arms covered by non-slip and exchangeable rubber.

SS: Models with both joint arms. TT: Models with triple joint arms.

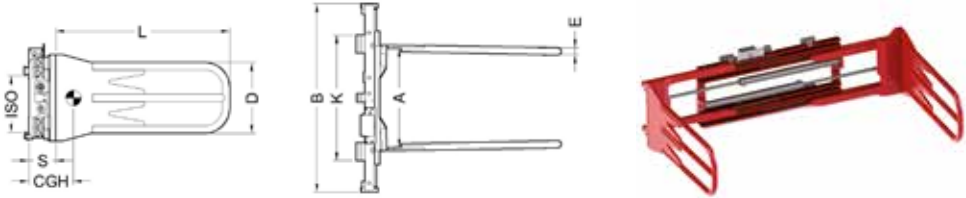
Options: Without sideshift (1 hydraulic function). Pressure-relief valve with 4 pre-set positions. Different arms coatings. Other openings. Stop-light.

Other options: See page 53.

① Additional information.

3.12 FOAM RUBBER CLAMP INTERNAL SIDESHIFT

Foam rubber clamp is designed to manage polyurethane rubber blocks with low specific weight. It is equipped with tubular arms and low section cylinders, in order to reduce clamping pressure.

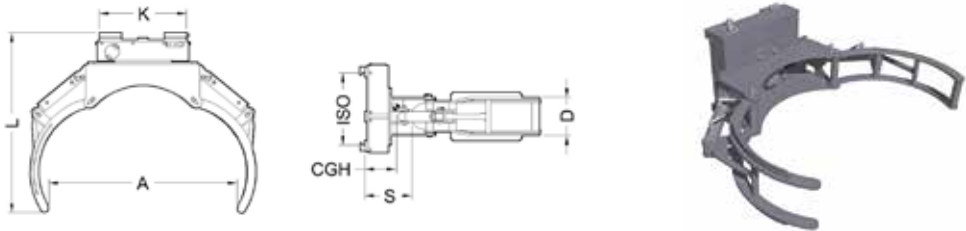


MOD.	Q Kg/mm	B mm	A mm	L mm	D mm	K mm	CGH mm	S mm	P Kg	ISO
PO15E375C.128	800/800	1260	665-2225	1280	460	840	197	178	389	2
PO15E375C.150	800/800	1260	665-2225	1500	460	840	236	178	410	2
PO15E375C.200	800/800	1260	665-2225	2000	460	840	291	178	424	2
PO15E475C.128	800/800	1350	765-2525	1280	460	840	193	178	398	2
PO15E475C.150	800/800	1350	765-2525	1500	460	840	232	178	419	2

Notes: 2 hydraulic functions / Q: Load capacity /Load center

Options: See page 53. ⓘ Additional information.

3.13 REVOLVING CLAMP FOR PLASTIC DRUMS 360° ROTATION

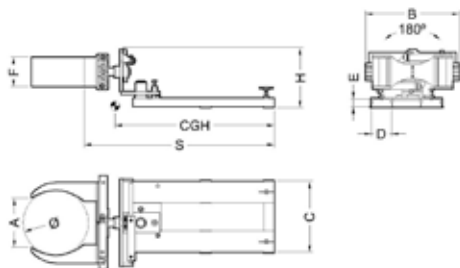


MOD.	Q Kg/mm	A mm	K mm	L mm	D mm	CGH mm	S mm	P Kg	ISO
PN90C200	900/500	500-950	500	980	280	170	240	188	2

Notes: 2 hydraulic functions

LATERAL REVOLVING CLAMP FOR DRUMS 180° ROTATION

3.14



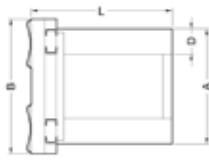
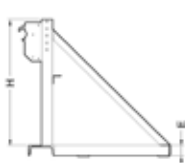
MOD.	Q Kg	B mm	A mm	H mm	Ø mm	D mm	C mm	CGH mm	S mm	P Kg
PV300B100	300	700	370-770	502	660	225	370	1030	1325	178

Notes: 2 hydraulic functions. Max fork section: 140 x 70 mm. Connecting kit included. Rubber bolted on contact arm. Diameter of dums 560 mm.

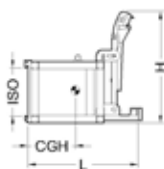
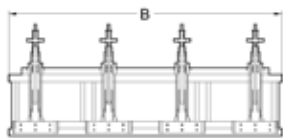
Options: See page 53. ⓘ Additional information.

MECHANICAL CLAMP FOR STEEL DRUMS

3.15



MOD.	Q bidones	Q Kg	B mm	L mm	H mm	A mm	D-E mm	CGH mm	P Kg
PM050B001	1	500	580	1080	1000	580	130-50	663	100
PM100B002	2	1000	960	1080	1000	820	130-50	762	145

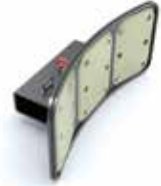


MOD.	Q bidones	Q Kg	B mm	L mm	H mm	ISO	CGH mm	P Kg
PM200B004	4	2000	2200	860	1000	2	472	395

Notes: Q: Load capacity . D-E: forks section.

3.16 SLIP-ON ARMS FOR FORKS CLAMPS

3.16.1 / TILTING SLIP-ON ARM FOR CONICAL PACK



MOD.	L-H mm	D-E mm	P Kg
AE15B501	500-250	100-40	34
AE20B501	500-250	120-40	39

Notes: Product designed to manage pots or conical packs. Rubber bolted on contact arm. D-E: fork section

3.16.2 / SLIP-ON ARMS FOR DRUMS



MOD.	L-H mm	D-E mm	P Kg
AE15B502	350-250	100-40	20
AE20B502	350-250	120-40	25

Notes: Rubber bolted on contact arm. D-E: fork section. Diameter of dums 560 mm.

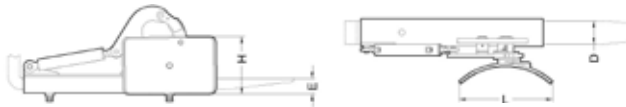
3.16.3 / SLIP-ON ARMS OF SELF-COMPENSATED PLUGS



MOD.	L mm	D-E mm	F mm	H-W mm	J	P Kg
AA12B100.50	1260	100-50	1200-120	210-165	PH20D	101
AA12B120.35	1260	120-35	1200-120	210-165	PHP15E	102
AA12B120.40	1260	120-40	1200-120	210-165	PHP20E	111
AA12B120.50	1260	120-50	1200-120	210-165	PHP30E	120

Notes: D-E: fork section. F: Contact surface. J: clamp model for slip-on arm

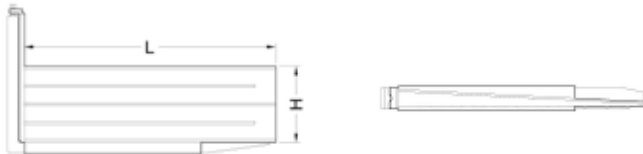
3.16.4 / FRONTAL SLIP-ON ARMS FOR DRUMS



MOD.	L-H mm	D-E mm	GIRO grados	P Kg
AF15C512	365-245	100-40	120	65
	365-245	100-45	120	65
AF20E512	365-245	120-35	120	66
	365-245	120-40	120	66
AF30E512	365-245	120-50	120	75
AF20C518	365-245	120-35	180	73
	365-245	120-40	180	73
AF30E518	365-245	120-40	180	79

Notes: Bolt-on rubber pads. 1 hydraulic function. D-E: fork section. Diameter of drums: 560 mm

3.16.5 / SLIP-ON ARMS FOR PAPER BALE



MOD.	Q mm	L-H mm	J	P Kg
AB15C208	1400	800-350	PHP15E	54
AB20C210	1900	1000-350	PHP20E	68

Notes: Q: Load capacity / J: Clamp model for slip-on arm



CLAMPS

ADDITIONAL INFORMATION



Hydraulic flow (L/min)

MOD.	Min.	Recmd.	Max.	Bar. Max.	Nm
BC15-20-30	18	25	40	140	-
BC40	20	25	40	160	-
PH15-20-30	18	25	40	140	-
PH40	20	25	40	160	-
PHR15-20-30-35	18	25	40	140	6600
PHR40-45	20	25	40	140	9300
PP20-30-35	18	25	40	140	-
PB15-20-30-35	18	25	40	140	-
PB40-45-50	20	25	40	160	-
PBR15-20	18	35	50	175	6600
PBR30	18	35	50	175	-
PO15	18	25	36	220	9300
PV	12	20	40	150	-
PE	18	25	36	140	-
PK	18	25	40	140	-

Hydraulic functions

MOD.	F.H.
BC with DL	2
PH with DL	2
PHR	2
PP with DL	2
PPR	2
PB with DL	2
PBR	2
PO with DL	2
PV	2
PN	2
PE with DL	2
PK with DL	2

Options

MOD.	Otras aperturas	Protector de carga (1200 mm)*	Protector de cilindro	Protector inferior antidesgaste chasis	Protector antidesgaste brazos
BC15-BC20	Consult		300		
BCR15-BCR20	Consult		300		
PH15-PH20	Consult	1000	300		
PHR15-PHR20	Consult	1000	300		
PP15-PP20	Consult	1000	300		
PPR15-PPR30	Consult	1000	300		
PB15-PB20	Consult	1000	300	680	410
PBR15-PBR20	Consult	1000	300	680	410
PO15	Consult		300		
BC30-BC40	Consult		300		
BCR30-BCR40	Consult		300		
PH30-PH35	Consult	1000	300		
PHR30-PHR36	Consult	1000	300		
PP30	Consult	1000	300		
PPR30	Consult	1000	300		
PB30 - 35-40	Consult	1000	300	680	410
BC50	Consult	1000	300		
BCR50	Consult	1000	300		
PH40	Consult	1000	300		
PHR40	Consult	1000	300		
PH50-PH60	Consult	1000	300		
PHR50-PHR60	Consult	1000	300		
PB50 / PBR50	Consult	1000	300	680	410
PE-PK	Consult	1000	300	1000	1000

* Protector mounting will be done in Cebria's plant

PAPER ROLL CLAMP



4

4.1 PAPER ROLL CLAMP 360

UNSPLIT LONG ARM – FIXED SHORT ARM / p.56

PAPER ROLL CLAMP 360°

4.2 ROTATION UNSPLIT LONG ARM – POSITIONABLE SHORT ARM / p.57

PAPER ROLL CLAMP 360°

4.3 ROTATION SPLIT LONG ARM – FIXED SHORT ARM / p.58

PAPER ROLL CLAMP 360°

4.4 ROTATION SPLIT LONG ARM – POSITIONABLE SHORT ARM / p.59

4.5 TISSUE ROLL CLAMP 360°

ROTATION UNSPLIT LONG ARM / p.60

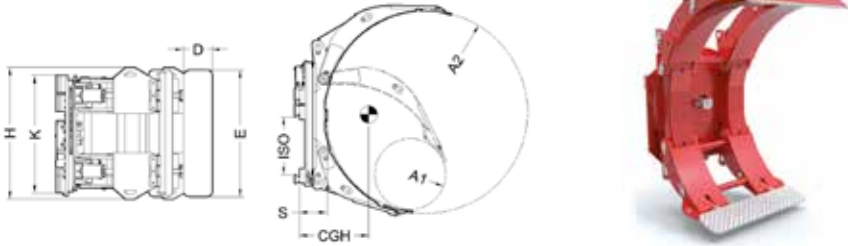
4.6 360° PAPER ROLL NARROW CLAMP / p.61

4.7 PAPER ROLL CLAMP 360° ROTATION FIXED SHORT ARM / p.61

ADDITIONAL INFORMATION / p.63

4.1 PAPER ROLL CLAMP 360 UNSPLIT LONG ARM – FIXED SHORT ARM

This equipment is designed in order to manage paper roll in horizontal position or vertical position. 360° rotation.



MOD.	Q Kg	A1-A2 mm	D-E mm	H mm	K mm	CGH mm	S mm	P Kg	ISO
PD20E213C	2300/650	640-1300	240-840	900	785	274	205	628	2
PD20E213E	2300/650	640-1300	240-840	900	785	319	250	642	3
PD20E216C	2000/800	640-1600	240-840	900	785	305	205	729	2
PD20E216E	2000/800	640-1800	240-840	900	785	340	205	812	3
PD20E218C	1800/900	600-1800	240-840	900	785	340	205	812	2
PD20E218E	1800/900	600-1800	240-840	900	785	390	250	824	3
PD30E213E	3300/650	700-1300	240-1040	1080	960	277	200	979	3
PD30E213G	3300/650	700-1300	240-1040	1080	960	277	200	984	4
PD30E216E	3000/800	700-1600	240-1040	1080	960	310	200	1050	3
PD30E216G	3000/800	700-1600	240-1040	1080	960	310	200	1050	4
PD40E213E	4500/650	700-1300	240-1040	1080	960	301	238	1155	3
PD40E213G	4500/650	700-1300	240-1040	1080	960	301	238	1155	4
PD40E216E	4000/800	700-1600	240-1040	1080	960	316	238	1206	3
PD40E216G	4000/800	700-1600	240-1040	1080	960	316	238	1206	4
PD40E218E	3400/900	700-1800	240-1040	1080	960	345	238	1295	3
PD40E218G	3400/900	700-1800	240-1040	1080	960	345	238	1295	4

Notes:

5 degree mast forward tilt is required for taking up horizontal rolls.

2 hydraulic positions

Max. working pressure: 175 bar

Standard pads in grooved stainless steel

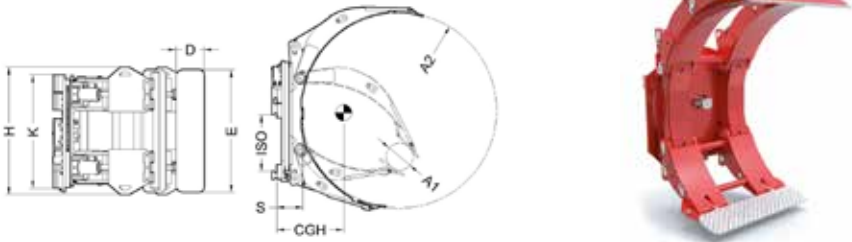
Q: Load capacity / load center

Options: See page 63. ⓘ Additional information.

PAPER ROLL CLAMP 360° ROTATION UNSPLIT LONG ARM – POSITIONABLE SHORT ARM

4.2

This attachment permit to handle paper roll in vertical and horizontal position.
360° rotation.



MOD.	Q Kg	A1-A2 mm	D-E mm	H mm	K mm	CGH mm	S mm	P Kg	ISO
PD20E113C	2300/650	250-1300	240-840	900	785	298	205	640	2
PD20E113E	2300/650	250-1300	240-840	900	785	331	250	650	3
PD20E116C	2000/800	350-1600	240-840	900	785	307	205	733	2
PD20E116E	2000/800	350-1600	240-840	900	785	352	250	747	3
PD20E118C	1800/900	400-1800	240-840	900	785	336	205	816	2
PD20E118E	1800/900	400-1800	240-840	900	785	386	250	828	3
PD30E113E	3300/650	300-1300	240-1040	1080	960	279	200	983	3
PD30E113G	3300/650	300-1300	240-1040	1080	960	279	200	988	4
PD30E116E	3000/800	350-1600	240-1040	1080	960	312	200	1054	3
PD30E116G	3000/800	350-1600	240-1040	1080	960	312	200	1054	4
PD30E118E	2800/900	400-1800	240-1040	1080	960	343	200	1134	3
PD30E118G	2800/900	400-1800	240-1040	1080	960	343	200	1122	4
PD40E113E	4500/650	300-1300	240-1040	1080	960	303	238	1159	3
PD40E113G	4500/650	300-1300	240-1040	1080	960	303	238	1159	4
PD40E116E	4000/800	350-1600	240-1040	1080	960	318	238	1210	3
PD40E116G	4000/800	350-1600	240-1040	1080	960	318	238	1210	4
PD40E118E	3400/900	400-1800	240-1040	1080	960	347	238	1299	3
PD40E118G	3400/900	400-1800	240-1040	1080	960	347	238	1299	4

Notes:

5-degrees mas forward tilt is required for taking up horizontal rolls.

2 hydraulic functions

Max work pressure: 175 bar

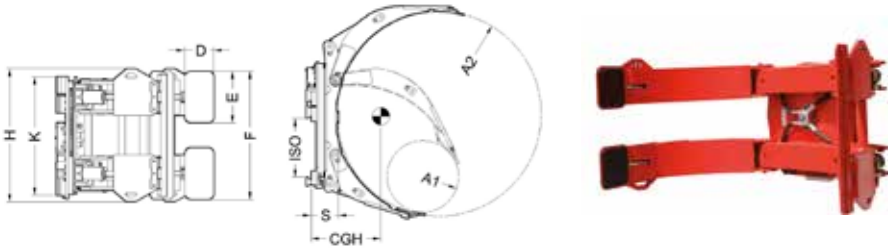
Standard pads in grooved stainless steel

Q: Load capacity / load center

Options: See page 63. ⓘ Additional information.

4.3 PAPER ROLL CLAMP 360° ROTATION SPLIT LONG ARM – FIXED SHORT ARM

This attachment permit to handle paper roll in vertical and horizontal position. 360° rotation.



MOD.	Q Kg	A1-A2 mm	D-E mm	F mm	H mm	K mm	CGH mm	S mm	P Kg	ISO
PDS20E213C	2300/650	640-1300	240-320	840	900	785	272	205	622	2
PDS20E213E	2300/650	640-1300	240-320	840	900	785	317	250	636	3
PDS20E216C	2000/800	640-1600	240-320	840	900	785	303	205	730	2
PDS20E216E	2000/800	640-1600	240-320	840	900	785	248	250	732	3
PDS20E218C	1800/900	600-1800	240-320	840	900	785	338	205	806	2
PDS20E218E	1800/900	600-1800	240-320	840	900	785	388	250	818	3
PDS30E213E	3300/650	700-1300	240-420	1040	1080	960	275	200	973	3
PDS30E213G	3300/650	700-1300	240-420	1040	1080	960	275	200	978	4
PDS30E216E	3000/800	700-1600	240-420	1040	1080	960	308	200	1044	3
PDS30E216G	3000/800	700-1600	240-420	1040	1080	960	308	200	1044	4
PDS30E218E	2800/900	700-1800	240-420	1040	1080	960	339	200	1124	3
PDS30E218G	2800/900	700-1800	240-420	1040	1080	960	339	200	1112	4
PDS40E213E	4500/650	700-1300	240-420	1040	1080	960	299	238	1149	3
PDS40E213G	4500/650	700-1300	240-420	1040	1080	960	299	238	1149	4
PDS40E216E	4000/800	700-1600	240-420	1040	1080	960	314	238	1202	3
PDS40E216G	4000/800	700-1600	240-420	1040	1080	960	314	238	1202	4
PDS40E218E	3400/900	700-1800	240-420	1040	1080	960	343	238	1289	3
PDS40E218G	3400/900	700-1800	240-420	1040	1080	960	343	238	1289	4

Notes:

5-degrees mas forward tilt is required for taking up horizontal rolls

Split long arm for different roll diameter

2 hydraulic functions

Max work pressure: 175 bar

Standard pads in grooved stainless steel

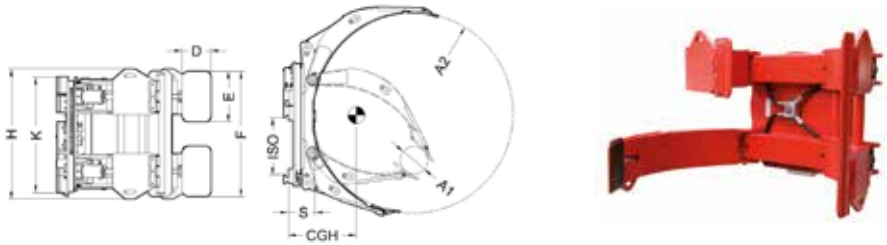
Q: Load capacity / load center

Options: See page 63. ⓘ Additional information.

PAPER ROLL CLAMP 360 ROTATION SPLIT LONG ARM – POSITIONABLE SHORT ARM

4.4

This attachment permit to handle paper roll in vertical and horizontal position.



MOD.	Q Kg	A1-A2 mm	D-E mm	F mm	H mm	K mm	CGH mm	S mm	P Kg	ISO
PDS20E113C	2300/650	250-1300	240-320	840	900	785	278	205	626	2
PDS20E113E	2300/650	250-1300	240-320	840	900	785	323	250	640	3
PDS20E116C	2000/800	350-1600	240-320	840	900	785	305	205	730	2
PDS20E116E	2000/800	350-1600	240-320	840	900	785	350	250	732	3
PDS20E118C	1800/900	400-1800	240-320	840	900	785	334	205	810	2
PDS20E118E	1800/900	400-1800	240-320	840	900	785	384	250	822	3
PDS30E113E	3300/650	300-1300	240-420	1040	1080	960	277	200	977	3
PDS30E113G	3300/650	300-1300	240-420	1040	1080	960	277	200	982	4
PDS30E116E	3000/800	350-1600	240-420	1040	1080	960	310	200	1044	3
PDS30E116G	3000/800	350-1600	240-420	1040	1080	960	310	200	1044	4
PDS30E118E	2800/900	400-1800	240-420	1040	1080	960	341	200	1128	3
PDS30E118G	2800/900	400-1800	240-420	1040	1080	960	341	200	1116	4
PDS40E113E	4500/650	300-1300	240-420	1040	1080	960	301	238	1153	3
PDS40E113G	4500/650	300-1300	240-420	1040	1080	960	301	238	1153	4
PDS40E116E	4000/800	350-1600	240-420	1040	1080	960	316	238	1202	3
PDS40E116G	4000/800	350-1600	240-420	1040	1080	960	316	238	1202	4
PDS40E118E	3400/900	400-1800	240-420	1040	1080	960	345	238	1293	3
PDS40E118G	3400/900	400-1800	240-420	1040	1080	960	345	238	1293	4

Notes:

5 degree mast forward tilt is required for taking up horizontal rolls
Double long bras in order to handle different diameters of paper rolls

2 hydraulic functions

Max working pressure: 175 bar

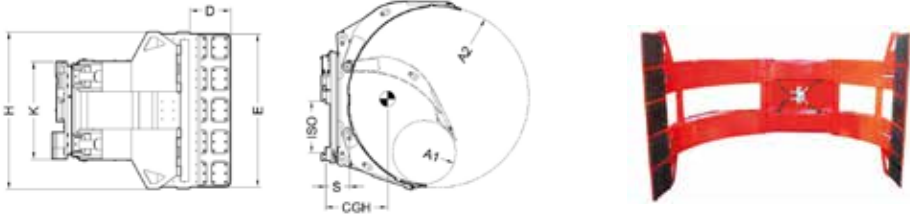
Standard pads in grooved stainless steel

Q: Load capacity / load center

Options: See page 63. ⓘ Additional information.

4.5 TISSUE ROLL CLAMP 360° ROTATION UNPLIT LONG ARM

This attachment permit to handle tissue roll in vertical and horizontal position. Big surface contact pads in stainless steel and rounded edges in order to avoid paper roll damages.



MOD.	Q Kg	A1-A2 mm	D-E mm	H mm	K mm	M mm	CGH mm	S mm	P Kg	ISO
PDT20E116C	2000/800	250-1600	280-1200	1240	785	M		Consult		2
PDT20E116E	2000/800	250-1600	280-1200	1240	785	M		Consult		3
PDT20E118C	1800/900	250-1800	280-1200	1240	785	M		Consult		2
PDT20E118E	1800/900	250-1800	280-1200	1240	785	M		Consult		3
PDT20E221C	1600/1050	650-2100	280-1200	1240	785	F		Consult		2
PDT20E221E	1600/1050	650-2100	280-1200	1240	785	F		Consult		3
PDT30E118E	2800/900	500-1800	400-1400	1440	960	M		Consult		3
PDT30E118G	2800/900	500-1800	400-1400	1440	960	M		Consult		4
PDT30E121E	2400/1050	600-2100	400-1400	1440	960	M		Consult		3
PDT30E121G	2400/1050	600-2100	400-1400	1440	960	M		Consult		4
PDT30E124E	2200/1200	700-2400	400-1400	1440	960	M		Consult		3
PDT30E124G	2200/1200	700-2400	400-1400	1440	960	M		Consult		4
PDT40E118E	3800/900	500-1800	400-1600	1640	960	M		Consult		3
PDT40E118G	3800/900	500-1800	400-1600	1640	960	M		Consult		4
PDT40E121E	3400/1050	600-2100	400-1600	1640	960	M		Consult		3
PDT40E121G	3400/1050	600-2100	400-1600	1640	960	M		Consult		4
PDT40E124E	3000/1200	700-2400	400-1600	1640	960	M		Consult		3
PDT40E124G	3000/1200	700-2400	400-1600	1640	960	M		Consult		4
PDT50E226G	3500/1300	1200-2600	400-1800	1640	960	F		Consult		4

Notes:

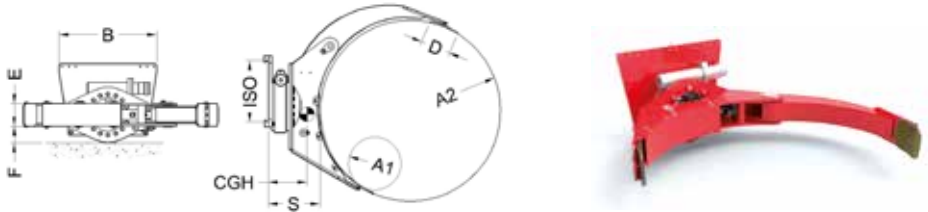
Short arm can be fixed or positionable with 2 extra cylinder. 5 degree mast forward tilt is required for taking up horizontal rolls. Standard pads in grooved stainless steel. Indicative contact pad dimensions which might change regarding rolls specifications. BR: short arm (M: positionable, F: fixed). 2 hydraulic functions. Q: Load capacity / Load center.

Options: See page 63. ⓘ Additional information.

360° PAPER ROLL NARROW CLAMP

4.6

Special clamp designed to narrow rolls of 150 mm width.



MOD.	Q Kg	B mm	A1-A2 mm	D-E mm	F mm	CGH mm	S mm	P Kg	ISO
PD05D220	350/600	650	350-1200	200-150	110	208	330	245	2

Notes:

Short arm is fixed. 5 degree mast forward tilt is required for taking up horizontal rolls. Standard pads in grooved stainless steel. 2 hydraulic functions. Q: Load capacity / Load center

Options: See page 63. ⓘ Additional information.

PAPER ROLL CLAMP 360° ROTATION – FIXED SHORT ARM

4.7

This attachment permit to handle tissue roll in vertical and horizontal position. 360° rotation.



MOD.	Q Kg	B mm	A1-A2 mm	D-E mm	CGH mm	S mm	P Kg	ISO
PD10E213C	1200/650	700	400-1300	190-540	243	188	332	2

Notes:

Short arm is fixed. 5 degree mast forward tilt is required for taking up horizontal rolls. 2 hydraulic functions. Max working pressure: 140 bar. Rubber bolted on contact arm. Q: Load capacity / Load center

Options: See page 63. ⓘ Additional information.

Cebriá



PAPER ROLL CLAMP

ADDITIONAL INFORMATION



Hydraulic functions

MOD.	Number of functions
PD	2
PDS	2
PDT	2

Flujo hidráulico (L/min)

MOD.	Turning Speed	Par	Hydraulic flow (l/Min.)			Pressure
	Rpm(to 50l/min)	N/m (to 125 bar)	Min.	Rcmd.	Max.	Max. Bar
PD05 PD10	8	8375	15	24	30	140
PD20 - PDS20 - PDT20	5	17520	15	24	51	175
PD30 - PDS30 - PDT30	5	17520	15	24	52	175
PD40 - PDS40 - PDT40	5	17958	15	24	53	175
PDT50	5	17958	15	24	54	175

Options

MOD.	Contact pads with rubber coated bolt-on	Pressure-relief valve with 4 pre-set positions	Pressure gauge
PD	Consult	800	150
PDS	Consult	800	150
PDT	Consult	800	150

ROTATORS



5

5.1 ROTATOR - DIRECT DRIVEN / p.66

5.2 360° ROTATOR / p.67

5.3 DIAPHANOUS 360° ROTATOR / p.68

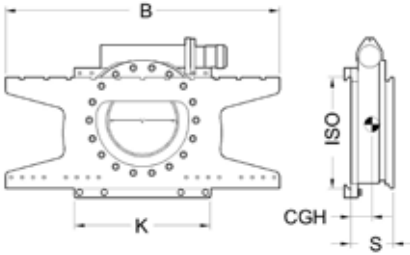
5.4 360° LOAD DUMPING / p.69

5.5 180° LOAD DUMPING / p.70

*5.6 LOAD DUMPING WITH
PREHENSILE ARM / p.71*

ADDITIONAL INFORMATION / p.73

5.1 ROTATOR DIRECT DRIVEN



MOD.	Q Kg	CC mm	B mm	K mm	V mm	CGH mm	S mm	P Kg	ISO
TR22A085	1500	500	850	650	250	72	155	174	2
TR22A100	1500	500	1000	650	250	78	155	185	2

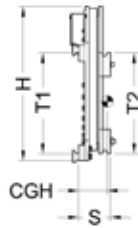
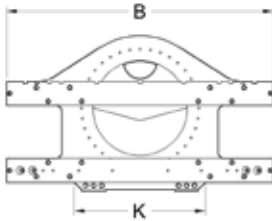
Notes: 1 hydraulic function Q: Load capacity

Options: See page 73. ⓘ Additional information.



360° ROTATOR

5.2



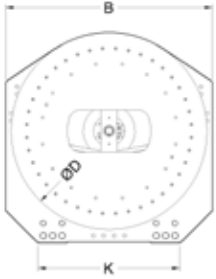
MOD.	Q Kg/mm	B mm	H mm	K mm	CGH mm	S mm	P Kg	T1 ISO	T2 ISO
TR16B086	1600/500	860	762	700	78	165	205	2	2
TR25B100	2500/500	1000	780	780	85	165	296	2	2
TR25B120	2500/500	1200	780	780	88	165	309	2	2
TR30B100	3200/500	1000	787	780	131	215	320	3	3
TR30B120	3200/500	1200	787	780	134	215	333	3	3
TR40B120	4000/500	1200	880	920	91	173	431	3	3
TR40B130	4000/500	1300	880	920	92	173	440	3	3
TR40B150	4000/500	1500	880	920	94	173	458	3	3
TR50B120	5000/500	1200	880	920	136	218	436	4	3
TR50B130	5000/500	1300	880	920	137	218	445	4	3
TR50B150	5000/500	1500	880	920	130	218	489	4	3
TR60B130	5500/600	1300	1000	960	98	182	508	4	4
TR60B160	5500/600	1600	1000	960	101	182	541	4	4
TR60B180	5500/600	1800	1000	960	103	182	563	4	4
TR80B150	7000/600	1500	1055	1090	120	225	960	4	4
TR80B180	7000/600	1800	1055	1090	124	225	990	4	4

Notes: 1 hydraulic function. Q: Load capacity / Load center.

Foundry model options: Closed face plate. Splash guard helps to protect motor and bearing assembly from molten metal splashes.

Options: See page 73. ⓘ Additional information.

5.3 DIAPHANOUS 360° ROTATOR



MOD.	Q Kg/mm	B mm	K mm	D mm	H mm	CGH mm	S mm	P Kg	T1 ISO
TR25B000	2500/500	790	780	716	780	70	130	227	2
TR60B000	5500/600	990	960	940	1000	132	132	382	4
TR100B000	10000/760	1200	0	1050	1200	*	122	807	

Notes: 1 hydraulic function. Q: Load capacity / load center. Model TR100 with two gear motors. Motor is located and guarded behind base plate. Modifications depend on kind of assembly. Consult to Cebriá.

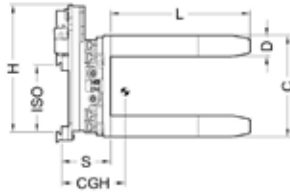
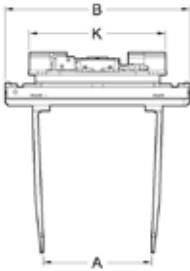
Foundry model options: Closed face plate. Splash guard helps to protect motor and bearing assembly from molten metal splashes.

Options: See page 73. ⓘ Additional information.



360° LOAD DUMPING

5.4



MOD.	Q Kg/mm	B mm	A mm	L-D-E mm	K mm	C mm	H mm	CGH mm	S mm	P Kg	ISO
VT15E160C.120	1200/500	1060	440-1700	1200-120-40	880	580	260	292	280	618	2
VT15E470C.120	1200/500	1360	540-2200	1200-120-40	880	580	260	280	280	630	2
VT20E160C.120	1900/500	1060	440-1700	1200-120-40	880	580	260	300	280	620	2
VT20E470C.120	1900/500	1360	540-2200	1200-120-40	880	580	260	280	280	640	2
VT30E160C.120	2500/500	1060	440-1700	1200-120-50	880	580	260	320	320	665	3
VT30E470E.120	2500/500	1360	540-2200	1200-120-50	880	580	260	300	320	685	3

MOD.	Q Kg/mm	B mm	A mm	L-D-E mm	K mm	C mm	H mm	CGH mm	S mm	P Kg	ISO
VTE15E160C.120	1200/500	1060	1110-1740	1200-100-40	840	580	375	324	280	673	2
VTE15E161C.100	1200/500	1060	1250-1930	1000-100-40	840	580	375	282	280	650	2
VTE20E160C.120	1900/500	1060	1125-1755	1200-120-40	840	580	375	331	280	598	2
VTE20E270C.120	1900/500	1160	1325-2055	1200-120-40	840	580	375	329	280	608	2

Notes:

Min. load height which is taken on the ground depends on clamp chassis width

2 hydraulic functions

For Europallet handling

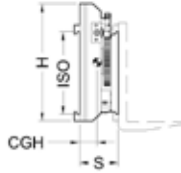
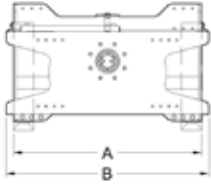
Q: Load capacity / load center

M-I-F= 500-690-270

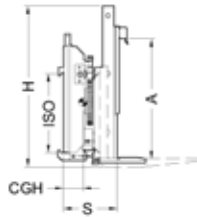
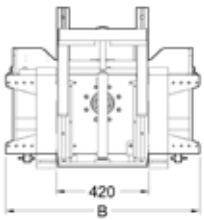
Options: Mounting class 3 (possible for mod. VT20). Consult Cebria for specifications
Security plate on rotation. Other dimensions.

Options: See page 73. ⓘ Additional information.

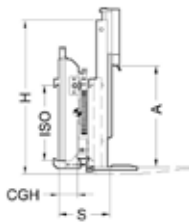
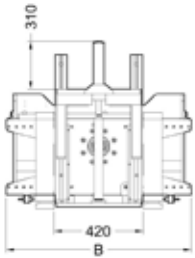
5.5 180° LOAD DUMPING



MOD.	Q1 Kg/mm	Q2 Kg/mm	B mm	H mm	F mm	CGH mm	S mm	P Kg	V ISO
VC25D210C	2000	1200	1000	590	930	94	187	205	2A
VC25D210E	2000	1200	1000	590	930	94	187	205	3A



MOD.	Q1 Kg	Q2 Kg	B mm	H mm	A mm	AT Min.	AT Max.	P Kg	CGH mm	S mm	ISO Kg
VC25D410C	2000	1200	1000	620	405-755	425	705	276	136	288	2A
VC25D416C	2000	1200	1000	970	732-1317	750	1265	276	136	288	2A



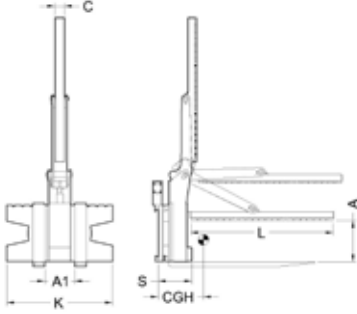
MOD.	Q1 Kg	Q2 Kg	B mm	H mm	A mm	AT Min.	AT Max.	P Kg	CGH mm	S mm	ISO Kg
VC25D415C	2000	1200	1000	970	400-1050	430	1010	205	136	288	2A

Notes: 180° right rotation (from seat of driver). Q1: Load capacity at 500 mm / Q2: rotation capacity at 500 mm. Rotation par: 3860 Nm at 140 bars. Turning speed: 19 rpm at 40 L/min. For Europallet handling, it must be equipped with 80-50 (max.) mm width forks.

Options: See page 73. ⓘ Additional information.

LOAD DUMPING WITH PREHENSILE ARM

5.6



MOD.	Q1 Kg/mm	Q2 Kg/mm	CC mm	L mm	A mm	A1 mm	CGH mm	S mm	P Kg	K mm	T2 ISO
EA25C100	1600	1000	500	1200	350-660	200	200	370	585	700	2
EA25C300	1600	1000	500	1200	285-485	200	200	370	585	700	2

Notes: 2 hydraulic functions. Flow control valve and no-return valve. Q1: Load capacity on forks / Q2: Load capacity during rotation. Original forks can be fitted. K: min. fork carriage width.

Options: Arm length 790 mm. Fork supply: Consult.

Options: See page 73. ⓘ Additional information.



Cebriá



ROTATORS

ADDITIONAL INFORMATION



Hydraulic flow (L/min)

MOD.	Turning Speed	Par	Hydraulic flow (L/min)			Pressure
	Rpm(to 50l/min)	N/m (to 125 bar)	Min.	Rcmd.	Max.	Max. Bar
TR25-30	5	17520	15	24	50	140
TR40-50	5	17958	15	24	50	140
TR60	4	20294	15	24	50	140
TR100	2,6	23000	15	30	50	140

Options (prices in euros)

MOD.	Side guard	Side arm	Other openings	Foundry option	Forks supply	Quick couplings	Mounting type B	Left rotation
TR	-	600	-	800	-	-	-	-
VC	-	350	-	-	-	250	400	300
VT	600	-	Consult	-	-	-	-	-
EA	-	-	Consult	-	Consult	-	-	-

BUCKET



6

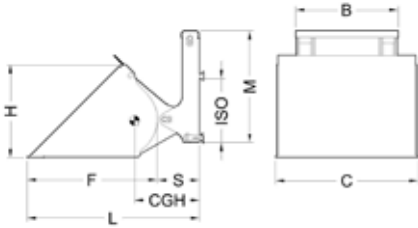
6.1 HYDRAULIC BUCKET / p.76

6.2 HYDRAULIC BUCKET ON FORKS / p.77

6.3 MECHANICAL BUCKET ON FORKS / p.78

ADDITIONAL INFORMATION / p.79

6.1 HYDRAULIC BUCKET



MOD.	Q Litros	L mm	F mm	H mm	C mm	B mm	M mm	CGH mm	S mm	P Kg	ISO
Capacidad max. 2.500 kg/m3											
CH110C40	400	1250	920	670	1000	750	800	400	320	255	2-3A
CH112C50	500	1250	920	670	1200	750	800	406	320	264	2-3A
CH114C60	600	1250	920	670	1400	750	800	419	320	283	2-3A
Capacidad max. 2.500 kg/m3											
CH214C80	800	1450	1130	770	1400	750	800	466	320	355	2-3A
CH215C97	970	1450	1130	1100	1500	750	800	464	320	400	2-3A
CH218C100	1000	1450	1130	770	1800	750	800	483	320	404	2-3A
CH222C134	1340	1450	1130	770	2200	750	800	497	320	453	2-3A
Capacidad max. 1.500 kg/m3											
CH320C160	1600	1650	1330	1075	2000	750	800	528	340	487	4A
CH325C200	2000	1650	1330	1075	2500	750	800	540	320	542	2-3A

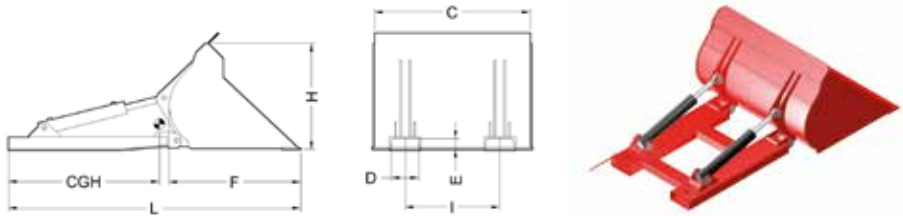
Notes: 1 hydraulic function. Adaptable to all type of forklifts. Rounded bucket form to make emptying easier. Quick change mounting hooks class 2 and 3. All rotating elements equipped with polyamide selflubricated bushings. Q: Load capacity.

Options: Big capacities: consult. Stainless steel hopper (AISI-304): consult.

Options: See page 79. ⓘ Additional information.

HYDRAULIC BUCKET ON FORKS

6.2



MOD.	Q Litros	L mm	F mm	H mm	C mm	I mm	D-E mm	CGH mm	S mm	P Kg
Max. capacity 2.500 kg/m³										
C0110C40	400	1940	920	670	1000	600	180X60	927	1015	254
C0112C50	500	1940	920	670	1200	600	180X60	936	1015	263
C0114C60	600	1940	920	670	1400	600	180X60	952	1015	310
Max. capacity 2.000 kg/m³										
C0214C80	800	2140	1130	770	1400	600	180x60	1000	1070	348

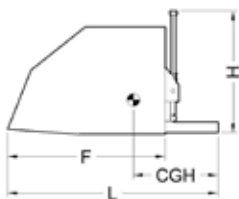
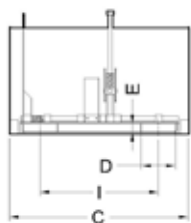
Notes: 1 hydraulic function. Rounded bucket form to make emptying easier. All models with 2 cylinders with ball-and-socket joint in the rod. All rotating elements equipped with polyamide selflubricated bushings. Easy assembly by tightening bolt, with no need to mechanise the forks. D: Max. fork section

Options: Stainless steel hopper (AISI-304): consult

Options: See page 79. ⓘ Additional information.



6.3 MECHANICAL BUCKET ON FORKS



MOD.	Q Kg/mm	C mm	F mm	H mm	L mm	D mm	CGH mm	P Kg
CM12B40	400	1200	885	600	1545	160 x 60	837	210

Notes: Easy assembly by tightening bolt, no need to mechanise the forks. Q: Load capacity.
D: Max. fork section

Options: See page 79. ⓘ Additional information.



BUCKET ADDITIONAL INFORMATION



Hydraulic flow (L/min)

MOD.	Min.	Recmd.	Max.	Bar. Max.
CH00	10	15	30	200
CH10	10	20	30	200
CH20	10	25	30	200
CH30	10	25	30	200
CO00	10	15	30	200
CO10	10	20	30	200
CO20	10	25	30	200

Hydraulic functions

MOD.	H.F.
CH	1
CO	1

Some specific weights

Material	Weight (per m3)
Lignite	700
Clay, mud	2100
Unpackaged dry cement	1800
Potatoes, beetroot	750
Concrete	2200
Chemical fertilizers	1200
Grain, fresh vegetables	750
Slag	2200
Sand, gravel	2000
Coal	1000

SIDESHIFTERS



7

7.1 HUNGED SIDESHIFTER / p.82

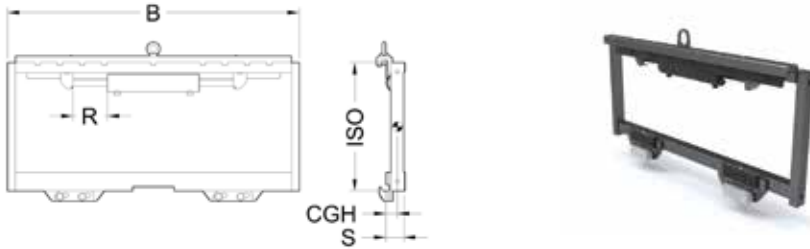
**7.2 DOUBLE SIDESHIFTER FEM
FOR 2 PALLETS / p.83**

**7.3 TRIPLE SIDESHIFTER
FOR 2 PALLETS / p.84**

**7.4 TRIPLE SIDESHIFTER
FOR 3 PALLETS / p.84**

**SIDESHIFTER ADDITIONAL
INFORMATION / p.85**

7.1 HUNGED SIDESHIFTER



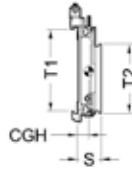
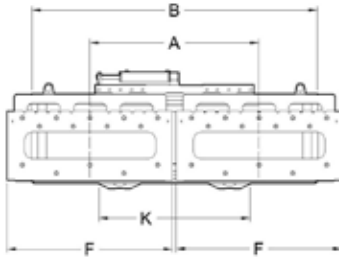
MOD.	Q Kg/mm	B mm	K mm	R mm	CGH mm	S mm	P Kg	ISO
DL10L080	1000/500	800	800	100+100	26	60	41	1
DL10L083	1000/500	835	800	100+100	26	60	42	1
DL10L085	1000/500	850	800	100+100	26	60	43	1
DL25L092	2500/500	920	800	100+100	25	60	39	2
DL25L097	2500/500	970	800	100+100	25	60	40	2
DL25L100	2500/500	1000	800	100+100	25	60	41	2
DL25L102	2500/500	1020	800	100+100	25	60	42	2
DL25L104	2500/500	1040	800	100+100	25	60	43	2
DL25L110	2500/500	1100	800	100+100	25	60	45	2
DL25L115	2500/500	1150	800	100+100	25	60	47	2
DL25L130	2500/500	1300	1000	100+100	25	60	52	2
DL25L137.AL	2500/500	1370	1200	100+100	25	60	70	2
DL25L147.AL	2500/500	1470	1200	100+100	28	60	74	2
DL25L180	2500/500	1800	1200	100+100	27	60	87	2
DL30L175	3000/500	1750	1400	100+100	33	74	131	3
DL50L107	4900/500	1070	800	100+100	32	74	89	3
DL50L115	4900/500	1150	800	100+100	32	74	92	3
DL50L119	4900/500	1190	1000	100+100	32	74	94	3
DL50L122	4900/500	1220	1000	100+100	32	74	96	3
DL50L140	4900/500	1400	1000	100+100	32	74	100	3
DL65K120	6500/600	1200	1000	125+125	35	85	197	4
DL65K122.164	6500/600	1220	1000	125+125	35	85	175	4
DL65K150	6500/600	1500	1000	125+125	35	85	234	4
DL65K180	6500/600	1800	1000	125+125	35	85	275	4
Sideshift with sideshift stroke 300mm								
DL28L080	2500/500	800	940	150+150	26	60	50	2
Sideshift. Reach truck								
DR25I009	2500/500	820/620	500	100+100	25	60	37	2

Notes: 1 hydraulic function. Q: Load capacity / load center. B: Width frame. R: Sideshift stroke. K: Min. fork carriage width.

Options: See page 85. ⓘ Additional information.

DOUBLE SIDESHIFTER FEM FOR 2 PALLETS

7.2



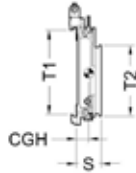
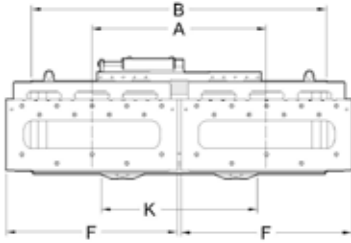
MOD.	Q Kg/mm	B mm	K mm	F mm	A mm	R mm	CGH mm	S mm	P Kg	T1-T2 ISO
DD12H209C	1200/600	1400	1000	720	740-940	100+100	85	147	338	2-2
DD12H219C	1200/600	1700	1000	980	1000-1200	100+100	83	147	362	2-2
DD18H209E	1800/600	1400	1000	720	740-940	100+100	85	147	338	3-2
DD18H219E	1800/600	1700	1000	980	1000-1200	100+100	83	142	362	3-2

Notes: 2 hydraulic functions. Frontal fork carriage. Q: Load capacity / load center. B: Width frame. R: Sideshift stroke. K: Min. fork carriage width.

Options: See page 85. ⓘ Additional information.



7.3 SIDESHIFTERS

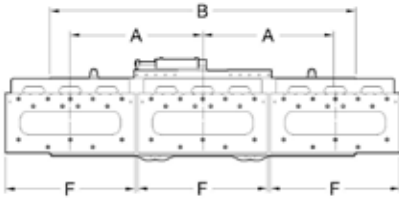


MOD.	Q Kg/mm	B mm	K mm	F mm	A mm	R mm	CGH mm	S mm	P Kg	T1-T2 ISO
DT12H309C	1200/600	1400	1000	720	740-1140	100+100	65	130	333	2-2
DT12H319C	1200/600	1800	1200	980	1000-1400	100+100	65	130	338	2-2
DT18H309E	1800/600	1400	1000	720	740-1140	100+100	70	160	343	3-2
DT18H319E	1800/600	1800	1200	980	1000-1400	100+100	70	160	348	3-2

Notes: 2 hydraulic functions. 2 front fork carriages have mobility. Delivered with no torques. Q: Load capacity / load center. B: Width frame. R: Sideshift stroke. K: Min. fork carriage width.

Options: See page 85. ⓘ Additional information.

7.4 TRIPLE SIDESHIFTER FOR 3 PALLETS



MOD.	Q Kg/mm	B mm	K mm	F mm	A mm	R mm	S mm	CGH mm	P Kg	T1-T2 ISO
DF12H409E	1200/600	2100	1800	720	740-1140	125+125	430	Consult		3-2
DF12H419E	1200/600	2700	1800	980	1000-1400	125+125	470			3-2
DF15H409G	1500/600	2260	1800	720	740-1140	125+125	605	Consult		4-3
DF15H419G	1500/600	2860	1800	980	1000-1400	125+125	655			4-3

Notes: 2 hydraulic functions. 2 front fork carriages have mobility. Delivered with no forks. Q: Load capacity / load center. B: Width frame. R: Sideshift stroke. K: Min. fork carriage width.

Options: See page 85. ⓘ Additional information.

SIDESHIDTERS

ADDITIONAL INFORMATION



Hydraulic functions

MOD.	H.F.
DL	1
DD	2
DF	2
DT	2

Hydraulic flow (L/min)

MOD.	Min.	Recmd.	Max.	Bar. Max.
DL10 - 25 - 50	4	10	20	210
DL65	4	24	35	220
DD12	6	10	20	210
DD18/DT12/DT18/DF12/DF16	6	12	25	220

Options

MOD.	Forks supply	Load protector	Other widths	Electrovalve
PD	Consult	Consult	Consult	
PDS	Consult	Consult	Consult	
PDS	Consult	Consult	Consult	Consult
PDT	Consult	Consult	Consult	Consult

VARIOUS ATTACHMENTS



8

8.1 CRANE HOOK ON FORKS / p.88

8.2 TELESCOPIC CRANE ARM ON THE FORK / p.88

8.3 CRANE ARM ON FRAME / p.89

**8.4 CRANE ARM ON ROTATING
TELESCOPIC FRAME / p.90**

8.5 VERTICAL LOAD STABILIZER / p.91

8.6 COIL BOOM / p.92

8.7 LOAD PROTECTOR / p.93

8.8 LOAD PROTECTOR FOR CLAMP / p.94

8.9 WORK PLATFORM / p.95

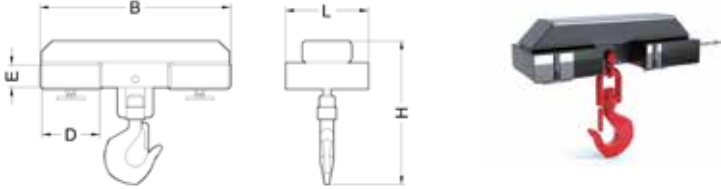
8.10 BOLTED CHANGE ATTACHMENT / p.96

8.11 90° FRONT LOAD DUMPING / p.96

8.12 FORK COVER / p.97

ADDITIONAL INFORMATION / p.99

8.1 CRANE HOOK ON FORKS



MOD.	Q Kg	D-E mm	B mm	L mm	H mm	P Kg
BL25C500K	2500	170-80	570	230	400	23
BL25C510K	2500	200-70	580	230	400	22
BL50C500K	5000	200-70	680	300	520	64

Notes: D-E: Max. fork section

Options: See page 99. ⓘ Additional information.

8.2 TELESCOPIC CRANE ARM ON THE FORK



MOD.	D-E mm	A mm	B mm	P Kg
BK25D200	180-80	490	480	175
BK50D200	180-80	500	525	195

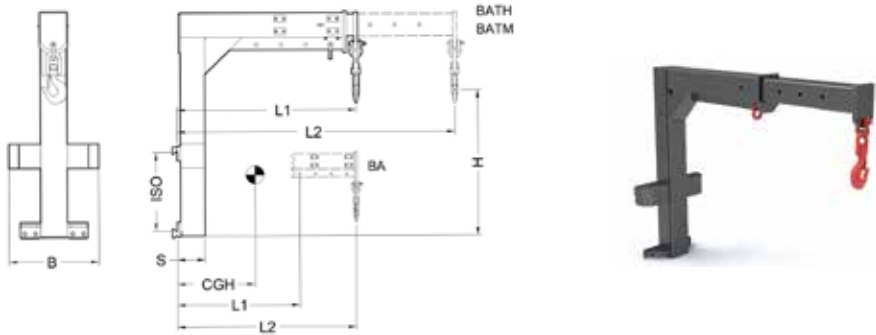
MOD.	Position	1	2	3	4	5	6	7
	Distance (mm)	720	1010	1300	159	1880	2070	2270
BK25D200	180-80	2500	2350	2050	1800	1400	1200	1050
BK50D200	180-80	5000	3550	2750	2250	1950	1700	1550
		8	9	10	11	12	13	14
		2470	2670	2870	3070	3270	3470	3670
		950	850	770	700	650	600	560
		1400	1300	1200	1150	1050	1000	950

Notes: Crane arm on manual forks

Options: See page 99. ⓘ Additional information.

CRANE ARM ON FRAME

8.3



MOD.	Q Kg	CC mm	B mm	L1-L2 mm	H mm	CGH mm	S mm	P Kg	ISO
BA15B120	1500	500	500	400-1200	1000	145	120	110	2
BA25B120	2500	500	500	400-1200	1000	166	140	165	2
BA40B120	4000	500	600	430-1200	1000	185	160	210	3
BA60B120	6000	500	600	430-1200	1000	218	200	280	4
BATM25D135	1400	1350	500	1450-2160	1000	360	140	190	3
BATM40D135	2350	1350	600	1450-2160	1200	350	160	245	3-(4)
BATM60D135	3650	1350	600	1450-2160	1200	420	200	315	4
BATM80D135	5000	1350	700	1450-2160	1200	450	225	336	4
BATH25D135	1400	1350	500	1450-2160	1000	362	140	197	3
BATH40D135	2350	1350	600	1450-2160	1200	355	160	260	3-(4)
BATH60D135	3650	1350	600	1450-2160	1200	425	200	325	4
BATH80D135	5000	1350	700	1450-2160	1200	465	225	345	4

Notes:

BA: Crane arm on fix frame

BATM: Crane arm on manual telescopic frame

BATH: Crane arm on hydraulic telescopic frame

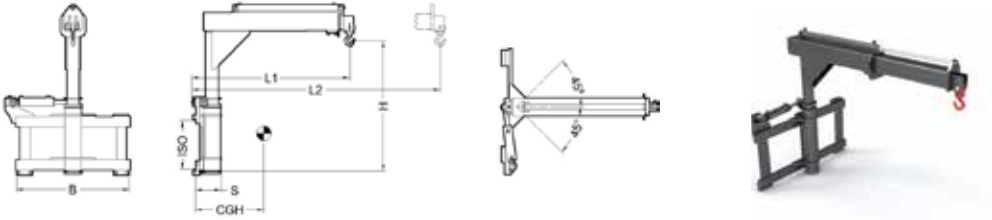
Q: Load capacity

CC: Load center

Class mounting in parenthesis: Consult technical data

Options: See page 99. ⓘ Additional information.

8.4 CRANE ARM ON ROTATING TELESCOPIC FRAME



MOD.	Q Kg	CC mm	B mm	L1-L2 mm	H mm	CGH mm	S mm	P Kg	ISO
BRTH15A190C	1500	1200	900	1200-1910	1000	260	193	243	2
BRTH15A190E	1500	1200	900	1200-1910	1000	250	203	271	3
BRTH23A190E	2300	1200	1100	1200-1910	1000	252	228	383	3
BRTM15A190C	1500	1200	900	1200-1910	1000	244	193	234	2
BRTM15A190E	1500	1200	900	1200-1910	1000	255	203	259	3
BRTM23A190E	2300	1200	1100	1200-1910	1000	258	228	374	3
BRTM23A160E	2300	2000	1100	1000-1600	1000	258	228	380	3

Notes:

BRTH: Crane arm on rotating hydraulic telescopic frame

BRTM: Crane arm on rotating manual telescopic frame

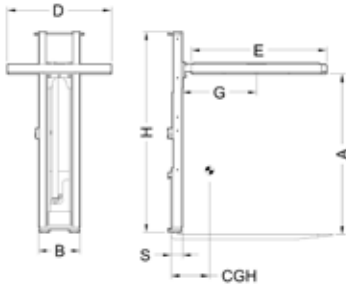
Options: See page 99. ⓘ Additional information.



VERTICAL LOAD STABILIZER

8.5

This attachment is designed for transporting unstable material, in order to obtain faster operating speeds and load handling security.



MOD.	B mm	H mm	A mm	D mm	E mm	G mm	CGH mm	S mm	P Kg	ISO
EV15E400C.0810Z	320	1520	1230-2150	800	1040	570	189	85	173	2
EV15E400E.0810Z	320	1520	1230-2150	800	1040	570	184	85	180	3
EV15E600C.0810Z	320	1720	1440-2540	800	1040	570	182	85	182	2
EV15E900C.0810Z	320	2160	1850-2950	800	1040	570	167	85	203	2
EV15E911C.0810Z	320	2200	1940-3040	800	1040	570	167	85	220	2

Notes:

Removable rubber pads in tightening plates (references ending in Z)

Tubular rubber pads in tightening plates (references ending in T)

1 hydraulic function

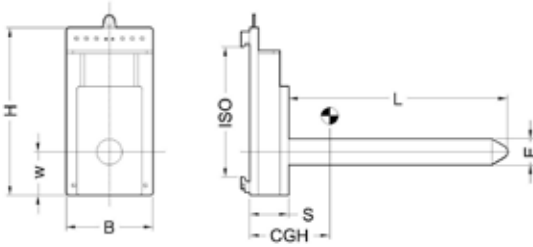
Flow control valve and no-return valve

Options: See page 99.

① Additional information.



8.6 COIL BOOM



MOD.	E mm	B mm	H mm	W mm	L mm	CGH mm	S mm	P Kg	IP Kg	ISO
ES045E100C	45	320	500	100	1000	141	90	60	1,3	2
ES050E100C	50	320	500	100	1000	171	90	64	1,5	2
ES055E100C	55	320	500	100	1000	180	90	68	1,8	2
ES060E100C	60	320	500	100	1000	198	90	72	2,3	2
ES065E100E	65	350	630	150	1000	190	120	109	2,8	3
ES070E100E	70	350	630	150	1000	206	120	114	3	3
ES075E100E	75	350	630	150	1000	221	120	119	3,5	3
ES080E100E	80	350	630	150	1000	236	120	124	4	3
ES085E100E	85	350	630	175	1000	238	150	169	4,4	3
ES090E100E	90	350	630	175	1000	246	150	176	5	3
ES095E100E	95	350	630	175	1000	257	150	183	5,3	3
ES100E100E	100	350	630	175	1000	263	150	190	6	3
ES110E100G	110	400	750	200	1000	272	180	250	7	4
ES120E100G	120	400	750	200	1000	285	180	270	9	4
ES130E100G	130	400	750	200	1000	297	200	290	10,5	4
ES140E100G	140	400	750	200	1000	303	200	310	12	4



MOD.	E mm	500	1000	1250	1500	1750	2000	2500
ES045E100C	45	430	215	170	145	125	110	85
ES050E100C	50	650	325	260	215	185	160	130
ES055E100C	55	900	450	360	300	255	225	180
ES060E100C	60	1200	600	480	400	340	300	240
ES065E100E	65	1500	750	600	500	430	375	300
ES070E100E	70	2000	1000	800	665	570	500	400
ES075E100E	75	2450	1225	980	815	700	610	490
ES080E100E	80	3000	1500	1200	1000	855	750	600
ES085E100E	85	3600	1800	1440	1200	1025	900	720
ES090E100E	90	4000	2000	1600	1330	1140	1000	800
ES095E100E	95	4750	2375	1900	1580	1355	1185	950
ES100E100E	100	5500	2750	2200	1830	1570	1375	1100
ES110E100G	110	7000	3500	28000	2330	2000	1750	1400
ES120E100G	120	9000	4500	3600	3000	2570	2250	1800
ES130E100G	130	10100	5050	4040	3370	2885	2525	2020
ES140E100G	140	12400	6200	5190	4520	3980	3380	2800

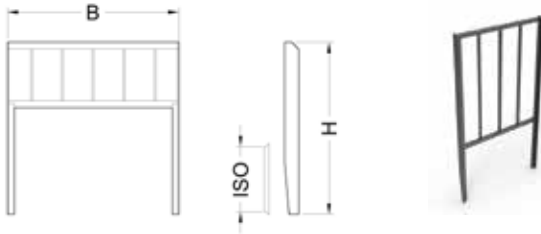
Notes:

P and CGH for L: 1000 mm

IP: Increase of weight for each plus of 100 mm length

Options: See page 99. ⓘ Additional information.

8.7 LOAD PROTECTOR



MOD.	B mm	H mm	P Kg	ISO
PC2090100	900	1000	28	2
PC3110110	1100	1100	40	3
PC4130120	1300	1200	56	4

Options: See page 99. ⓘ Additional information.

8.8 LOAD PROTECTOR FOR CLAMP



MOD.	B mm	H mm	J	P Kg
PCP15.100500	1000	500	BC15	25
PCP20.110500	1100	500	BC20	30
PCP30.120500	1200	500	BC30	35
PCP40.140500	1400	500	BC40	40
PCP25.900690	900	690	PS25K	20

Notes:

XX: Load capacity. B: Width of protector. HHH: Height of protector

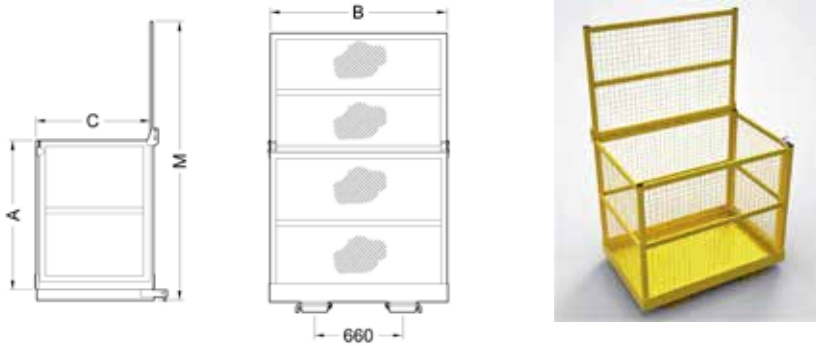
J: Model of clamp where load protector is mounted

Options: See page 99. ⓘ Additional information.

WORK PLATFORM

8.9

Equipment for maintenance, assembly, repair and cleaning of machines. Rectangular tube machine-welded frame with a resistance of 150 kg/cm². Drop-leaf back protection to reach reduced spaces. Anti-sliding platform floor. Mounted on forklift forks. Lacquered on yellow colour.



MOD.	Q Kg	A mm	B mm	C mm	M mm	D mm	E mm	P Kg
PW30C100	300	1000	1200	800	1800	160-60	5000	76

Notes:

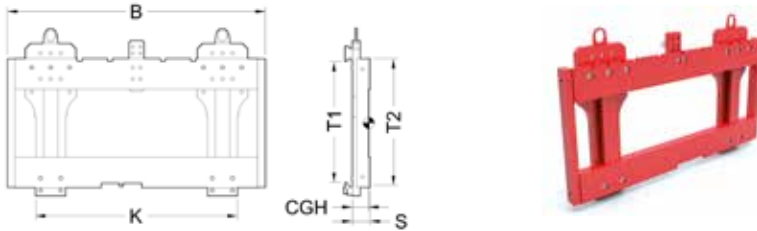
Load capacity at 500 mm

D: Max fork section

E: Max lifting capacity. This is the maximum height considered, so that the operator at the lift truck does not lose visibility of worker in platform.

Box included REF 0044800

8.10 BOLTED CHANGE ATTACHMENT

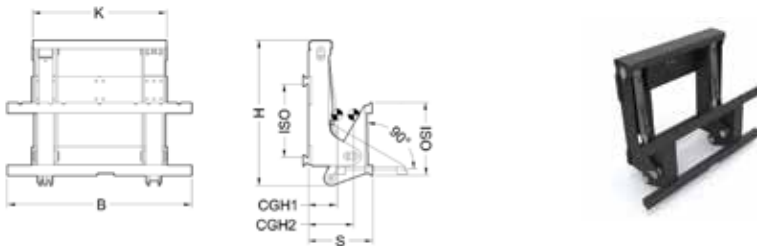


MOD.	Q Kg	B mm	K mm	CGH mm	S mm	P Kg	IP Kg	T1-T2 mm
TPA22.100.080	2500/500	1000	800	36	70	77	6	2-2
TPA23.100.080	2500/500	1000	800	33	70	134	6	2-3
TPA32.100.080	2500/500	1000	800	32	65	104	6	3-2
TPA33.100.080	5000/500	1000	800	32	70	142	6	3-3
TPA43.100.100	5000/500	1000	1000	45	80	195	6	4-3
TPA44.100.100	8000/600	1000	1000	52	90	260	7	4-4
TPA34.100.080	8000/600	1000	800	53	90	215	7	3-4

Notes: CC: Load capacity / load center. IP: increase of weight for each plus 100 mm.

Options: See page 99. ⓘ Additional information.

8.11 90° FRONT LOAD DUMPING



MOD.	Q Kg	B mm	K mm	H mm	CGH1 mm	CGH2 mm	S mm	P Kg	ISO
VF20C100	2000/500	1020	750	805	144	151	358	155	2
VF40C100	3500/500	1100	750	805	152	165	370	163	3

Notes: 1 hydraulic function. Attachment is operated by 2 hydraulic cylinders
Original forks are mounted.

Options: See page 99. ⓘ Additional information.

FORK COVER

8.12

Fork cover designing allows great adjustment between fork and cover, furthermore to own a robust even light equipment



MOD.	Q Kg/mm	L mm	Fork section Min-Max mm	D-E mm	Inside dimensions mm	Thickness mm	P Kg/ Couple	IP Kg/ Couple
FU15E160.035080	1500/600	1600	80x35	102-57	94-49	4	21	1,3
FU18E160.035100	1800/600	1600	100x35	122-57	114-49	4	23	1,4
FU21E160.035120	2100/600	1600	120x35	142-57	134-49	4	25	1,5
FU24E160.035130	2400/600	1600	130x35	152-57	144-49	4	26	1,6
FU19E160.040080	1900/600	1600	80x40	102-62	94-54	4	22	1,4
FU24E160.040100	2400/600	1600	100x40	122-62	114-54	4	25	1,6
FU29E160.040120	2900/600	1600	120x40	142-62	134-54	4	26	1,6
FU32E160.040130	3200/600	1600	130x40	152-62	144-54	4	27	1,7
FU31E160.045100	3100/600	1600	100x45	122-67	114-59	4	25	1,6
FU37E160.045120	3700/600	1600	120x45	142-67	134-59	4	26	1,6
FU39E160.045125	3900/600	1600	125x45	147-67	139-59	4	28	1,8
FU32E160.045130	3200/600	1600	130x45	152-67	144-59	4	29	1,8
FU38E160.050100	3800/600	1600	100x50	122-72	112-62	5	33	2,1
FU46E160.050120	4600/600	1600	120x50	142-72	132-62	5	36	2,3
FU48E160.050125	4800/600	1600	125x50	147-72	137-62	5	37	2,3
FU49E160.050130	4800/600	1600	130x50	152-72	142-62	5	37	2,3
FU54E160.050140	5400/600	1600	140x50	162-72	152-62	5	38	2,4
FU60E160.050150	6000/600	1600	150x50	172-72	162-62	5	42	2,6
FU60E130.060130	6000/600	1600	130x60	152-82	142-72	5	45	2,6
FU62E160.060150	6200/600	1600	150x60	172-82	162-72	5	48	2,8
FU65E160.065150	6500/600	1600	150x65	172-87	162-77	5	46	2,8
FU72E160.070150	7200/6200	1600	150x70	172-92	162-82	5	54	3,0

Notes:

IP: Increase of weight for each plus 100 mm.

Max length available 4000 mm

IMPORTANT: forks length must be almost 60% of fork cover length

Options: See page 99. ⓘ Additional information.

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VARIOUS ATTACHMENTS

ADDITIONAL INFORMATION



Hydraulic functions

MOD.	H.F.
EV	1
EL	1
VF	1

Hydraulic flow (L/min)

	Min.	Recmd.	Max.	Bar. Max.
EV	12	20	40	175

COMPLEMENTS



9

9.1 HIDRAULIC REEL / p.102

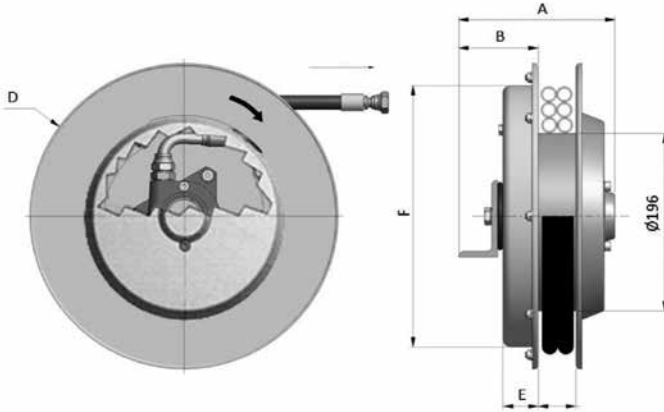
9.2 4 PORT HOSE REEL / p.103

9.3 REEL ELECTRIC-HIDRAULIC / p.104

9.4 ELECTRIC REEL / p.105

ADDITIONAL INFORMATION / p.107

9.1 HIDRAULIC REEL



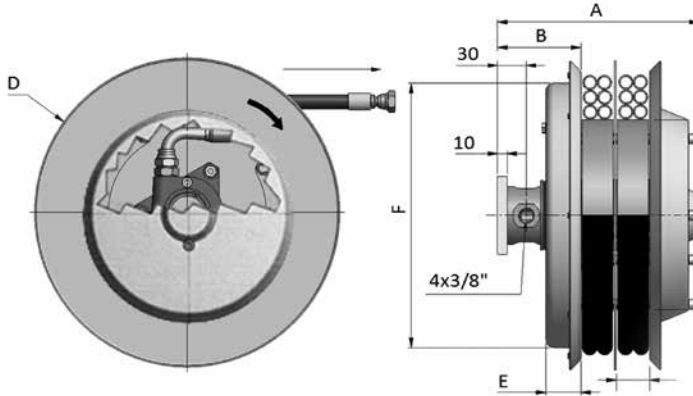
MOD.	D mm	A mm	T mm	L mm	Duplex mm	Triplex mm	Cuadruplex mm
AGD29606	295	138	6	4000	7000	5200	
AGD29508	295	138	8	3200	6000	4500	
AGD29510	295	138	10	3000	5800	4200	
AGD34006	340	138	6	6000	9500	8000	7000
AGD34008	340	138	8	5000	8500	6500	5500
AGD34010	340	138	10	4300	7000	6000	5000
AGD40006	400	138	6	7500	13000	9100	8000
AGD40008	400	138	8	7000	11000	8000	7000
AGD40010	400	138	10	6500	9000	7500	6500
AGD295	295	138		Without hose without coupling			
AGD340	340	138		Without hose without coupling			
AGD400	340	138		Without hose without coupling			

Notes: T: \varnothing pipe

Options: See page 107. ⓘ Additional information.

4 PORT HOSE REEL

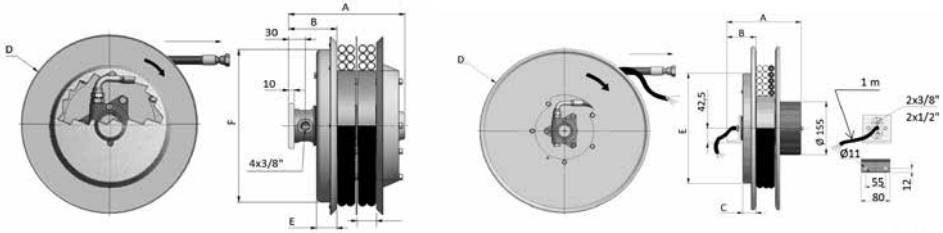
9.2



MOD. RIGHT	MOD. LEFT	A mm	B mm	C mm	Max. Frame height					Weight with no hose
					mm	1/4"	5/16"	3/8"	1/2"	Kg
A4D295	A4S295	295	40/46	87	200	4000	3200	3200	1500	16,5
A4D320	A4S320	320	40/46	87	200	5000	4000	3800	2500	17
A4D340	A4S340	340	40/46	87	200	6000	5000	4500	3500	17,5
A4D370	A4S370	370	40/46	87	200	7000	6500	5500	3500	18
A4D400	A4S400	400	40/46	87	200	7500	7000	6500	4500	18,5
A4D420	A4S420	420	40/46	87	200	8500	8000	7500	5500	22,5
A4D470	A4S470	470	40/46	97	210	11500	10500	10000	6500	24,6
A4D520	A4S520	520	40/46	97	210	14500	13500	12500	8500	28
A4D600	A4S600	600	40/46	97	210	21000	17000	16000	12000	38
A4D700	A4S700	700	40/46	97	210	24000	21000	21000	15000	50

Options: See page 107. ⓘ Additional information.

9.3 REEL ELECTRIC-HIDRAULIC

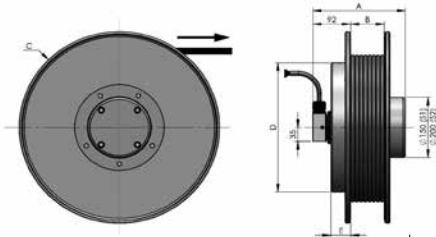


MOD. RIGHT	MOD. LEFT	D mm	A mm	Conduct. N°	Total cable length				Weight Kg
					1/4"	5/16"	3/8"	1/2"	
AGD270/E2	AGS270/E2	270	205	2	4000	3200	2800	-	16
AGD270/E3	AGS270/E3	270	217	3	4000	3200	2800	-	16
AGD270/E4	AGS270/E4	270	225	4	4000	3200	2800	-	16
AGD270/E6	AGS270/E6	270	245	6	4000	3200	2800	-	16
AGD320/E2	AGS320/E2	320	205	2	5500	5000	4500	-	18
AGD320/E3	AGS320/E3	320	217	3	5500	5000	4500	-	18
AGD320/E4	AGS320/E4	320	225	4	5500	5000	4500	-	18
AGD320/E6	AGS320/E6	320	245	6	5500	5000	4500	-	18
AGD320/E8	AGS320/E8	320	245	8	5500	5000	4500	-	18
AGD370/E2	AGS370/E2	370	205	2	7000	6500	5500	3500	21
AGD370/E3	AGS370/E3	370	217	3	7000	6500	5500	3500	21
AGD370/E4	AGS370/E4	370	225	4	7000	6500	5500	3500	21
AGD370/E6	AGS370/E6	370	245	6	7000	6500	5500	3500	21
AGD370/E8	AGS370/E8	370	245	8	7000	6500	5500	3500	21
AGD370/E12	AGS370/E12	370	280	12	7000	6500	5500	3500	21
AGD420/E2	AGS420/E2	420	205	2	8500	8000	7500	5500	23
AGD420/E3	AGS420/E3	420	217	3	8500	8000	7500	5500	23
AGD420/E4	AGS420/E4	420	225	4	8500	8000	7500	5500	23
AGD420/E6	AGS420/E6	420	245	6	8500	8000	7500	5500	23
AGD420/E8	AGS420/E8	420	245	8	8500	8000	7500	5500	23
AGD420/E12	AGS420/E12	420	280	12	8500	8000	7500	5500	23
A4D320/E2	A4S320/E2	320	280	2	5500	5000	4500	5500	18
A4D320/E3	A4S320/E3	320	292	3	5500	5000	4500	5500	18
A4D320/E4	A4S320/E4	320	304	4	5500	5000	4500	5500	18
A4D320/E6	A4S320/E6	320	327	6	5500	5000	4500	5500	18
A4D320/E8	A4S320/E8	320	327	8	5500	5000	4500	5500	18
A4D370/E2	A4S370/E2	370	280	2	7000	6500	5500	3500	21
A4D370/E3	A4S370/E3	370	292	3	7000	6500	5500	3500	21
A4D370/E4	A4S370/E4	370	304	4	7000	6500	5500	3500	21
A4D370/E6	A4S370/E6	370	327	6	7000	6500	5500	3500	21
A4D370/E8	A4S370/E8	370	327	8	7000	6500	5500	3500	21
A4D370/E12	A4S370/E12	370	362	12	7000	6500	5500	3500	21
A4D420/E2	A4S420/E2	420	280	2	8500	8000	7500	5500	23
A4D420/E3	A4S420/E3	420	292	3	8500	8000	7500	5500	23
A4D420/E4	A4S420/E4	420	304	4	8500	8000	7500	5500	23
A4D420/E6	A4S420/E6	420	327	6	8500	8000	7500	5500	23
A4D420/E8	A4S420/E8	420	327	8	8500	8000	7500	5500	23
A4D420/E12	A4S420/E12	420	362	12	8500	8000	7500	5500	23

Options: See page 107. ⓘ Additional information.

ELECTRIC REEL

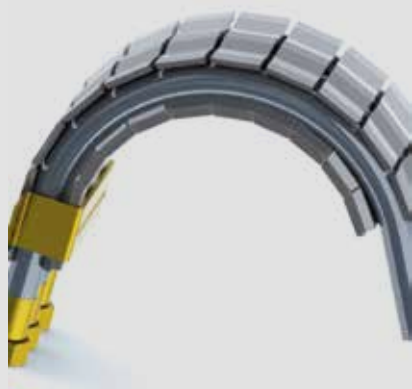
9.4



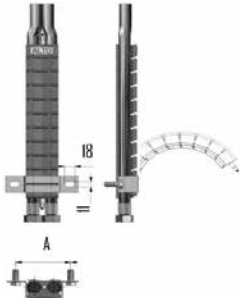
Options: See page 107

① Additional information.

MOD. RIGHT	MOD. LEFT	N° Con- nectors	Type	Cable		Dimensions					Support	W Kg
				mm	mm	A mm	B mm	C mm	D mm	E mm		
CRD230.031505	CRS230.031505	3	3x1x05	8.0	0.108	230	158	40	65	155	S	9
CRD295.031010	CRS295.031010	3	3x1x10	8.0	0.108	295	158	67	70	155	S	12
CRD370.031015	CRS370.031015	3	3x1x15	8.0	0.108	370	168	67	80	155	S	15
CRD370.031020	CRS370.031020	3	3x1x20	8.0	0.108	370	168	67	80	155	S	16
CRD600.031035	CRS600.031035	3	3x1x35	8.0	0.108	620	254	50	87	155	L	45
CRD230.041005	CRS230.041005	4	4x1x05	9.3	0.138	230	177	40	65	155	S	10
CRD295.041010	CRS295.041010	4	4x1x10	9.3	0.138	295	177	67	70	155	S	11
CRD370.041015	CRS370.041015	4	4x1x15	9.3	0.138	370	187	67	80	155	S	17
CRD370.041020	CRS370.041020	4	4x1x20	9.3	0.138	370	187	67	80	155	S	18
CRD600.041035	CRS600.041035	4	4x1x35	9.3	0.138	620	254	67	87	155	L	46
CRD230.061005	CRS230.061005	6	6x1x05	10.0	0.149	230	184	67	65	155	S	11
CRD295.061010	CRS295.061010	6	6x1x10	10.0	0.149	295	184	67	70	155	S	12
CRD370.061015	CRS370.061015	6	6x1x15	10.0	0.149	370	194	67	80	155	S	17
CRD470.061020	CRS470.061020	6	6x1x20	10.0	0.149	470	194	73	80	155	S	20
CRD700.061035	CRS700.061035	6	6x1x35	10.0	0.149	720	268	63	87	155	L	53
CRD340.071010	CRS340.071010	7	7x1x10	11.7	0.227	340	213	73	70	155	S	15
CRD370.071015	CRS370.071015	7	7x1x15	11.7	0.227	370	223	106	80	155	S	17
CRD520.071020	CRS520.071020	7	7x1x20	11.7	0.227	520	386	92	80	155	S	32
CRD340.081010	CRS340.081010	8	8x1x10	11.0	0.191	340	200	60	70	155	S	18
CRD370.081015	CRS370.081015	8	6x1x15	11.0	0.191	370	210	67	80	155	S	19
CRD470.081020	CRS470.081020	8	6x1x20	11.0	0.191	470	268	73	80	155	S	25
CRD700.081035	CRS700.081035	8	6x1x35	11.0	0.191	720	235	73	87	155	L	54
CRD370.121010	CRS370.121010	12	12x1x10	13.0	0.267	370	68	73	70	155	S	20
CRD520.121015	CRS520.121015	12	12x1x15	13.0	0.267	520	268	67	70	155	S	32
CRD600.121020	CRS600.121020	12	12x1x20	13.0	0.267	620	268	67	70	155	S	30
CRD600.120225	CRS600.120225	12	12x1x25	13.0	0.267	620	268	92	80	155	S	31
CRD370.161010	CRS370.161010	16	16x1x10	15.3	0.366	470	348	92	70	200	S	26
CRD520.161015	CRS520.161015	16	16x1x15	15.3	0.366	520	358	80	70	200	S	32
CRD570.161020	CRS570.161020	16	16x1x20	15.3	0.366	570	358	92	70	200	S	40
CRD700.161030	CRS700.161030	16	16x1x30	15.3	0.366	720	368	100	80	200	L	55
CRD800.161035	CRS800.161035	16	16x1x35	15.3	0.366	820	368	80	87	200	L	65
CRD370.241010	CRS370.241010	24	24x1x10	15.5	0.426	370	308	92	70	200	S	21
CRD520.241015	CRS520.241015	24	24x1x15	15.5	0.426	520	318	106	80	200	S	33
CRD600.241020	CRS600.241020	24	24x1x20	15.5	0.426	620	328	106	80	200	L	45
CRD600.241025	CRS600.241025	24	24x1x25	15.5	0.426	620	328	106	87	200	L	46
CRD700.241030	CRS700.241030	24	24x1x30	15.5	0.426	720	328	100	87	200	L	56
CRD470.321005	CRS470.321005	32	32x1x05	18.8	0.516	370	308	92	70	200	S	21
CRD520.321014	CRS520.321014	32	32x1x14	18.8	0.516	520	318	106	80	200	S	33
CRD600.321019	CRS600.321019	32	32x1x19	18.8	0.516	620	328	106	80	200	L	47
CRD470.361005	CRS470.361005	36	36x1x05	18.8	0.516	370	348	106	70	200	S	29
CRD520.361014	CRS520.361014	36	36x1x14	18.8	0.516	520	358	106	80	200	S	35
CRD600.361019	CRS600.361019	36	36x1x19	18.8	0.516	620	368	106	87	200	L	48

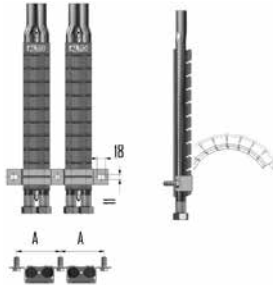


COMPLEMENTS
ADDITIONAL INFORMATION



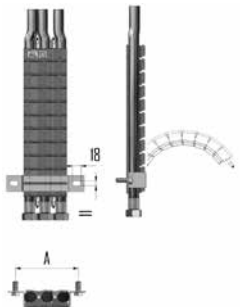
CROCODILE 1 TWIN HOSE

MOD.	Type of connexion mm
CDL 106	2X1/4"
CDL 108	2X5/16"
CDL 110	2X3/8"
CDL 112	2X1/2"



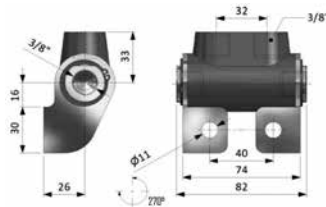
CROCODILE 2 TWIN HOSES

MOD.	Type of connexion mm
CDL 206	4X1/4"
CDL 208	4X5/16"
CDL 210	4X3/8"
CDL 212	4X1/2"



CROCODILE 2 TWIN HOSES + 1 SIMPLE

MOD.	Type of connexion mm
CDL 306	3X1/4"
CDL 308	3X5/16"
CDL 310	3X3/8"



ROTATING CONNECTION BLOCK

MOD.	Type of connexion mm
GR1.06	2X1/4"
GR1.10	2X3/8"

OPTIONS



10

10.1 ELECTROVALVE /p.110

**10.2 HANDLED SWITCHES FOR
SELENOID CONTROL /p.110**

**10.3 REGULATORY VALVE OF
SIMPLE PRESSURE /p.110**

10.4 4 STAGE PRESSURE-RELIEF VALVE /p.111

10.5 QUICK COUPLINGS /p.111

10.6 PRESSURE GAUGE /p.111

10.1 ELECTROVALVE

REF.

9083100	6V/2F/1B 3/8 12V
9083200	6V/2F/1B 3/8 24V
9083300	6V/2F/1B 3/8 48V
9083400	6V/2F/1B 1/2 12V
9083500	6V/2F/1B 1/2 24V
9083600	6V/2F/1B 1/2 48V



10.2 HANDLED SWITCHES FOR SELENOID CONTROL

REF.

2 Functions	22802
3 Functions	22803



10.3 REGULATORY VALVE OF SIMPLE PRESSURE

REF.

0016900



4 STAGE PRESSURE-RELIEF VALVE**10.4****REF.****9100600****QUICK COUPLINGS****10.5****REF.****9097050**

3/8

9097051

1/2

**PRESSURE GAUGE****10.6****REF.****9094500**

CERTIFICATE OF APPROVAL

This certificate is issued to: **JOSÉ CEBRIÁ, S.L.**

For the premise(s): **Calle Ciudad de Sevilla, 88 – 4988 Paterna (Valencia – Spain)**

Under the requisites of the Standard:

EN ISO 3834-2: 2005 Quality requirements for fusion welding of metallic materials - Part 2: Comprehensive quality requirements

For the scope:

Manufacture of accessories for forklifts

Welding processes and base material groups:

Welding processes (ISO 4063)	Base material group (CEN-ISO/TR 15608)
135	1

Authorised welding coordinators:

Name	Specific knowledge (s/EN ISO 14731, 6.2)	Responsibilities
Santiago Aguilera Rodríguez	Comprehensive Technical knowledge Nivel C Qualified by interview and based upon experience	Welding Coordinator

This Certificate remains valid subject to satisfactory surveillance audits by Lloyd's Register España S.A. as required by EN ISO 3834-2:2005.

Certificate No: **LRE/3834/0106/0/19**

Initial date: 06 February 2019

Date of issue: 06 February 2019

Certificate Expiry: 05 February 2022

Teresa Souto

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Technical Manager of Lloyd's Register España, S.A.

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