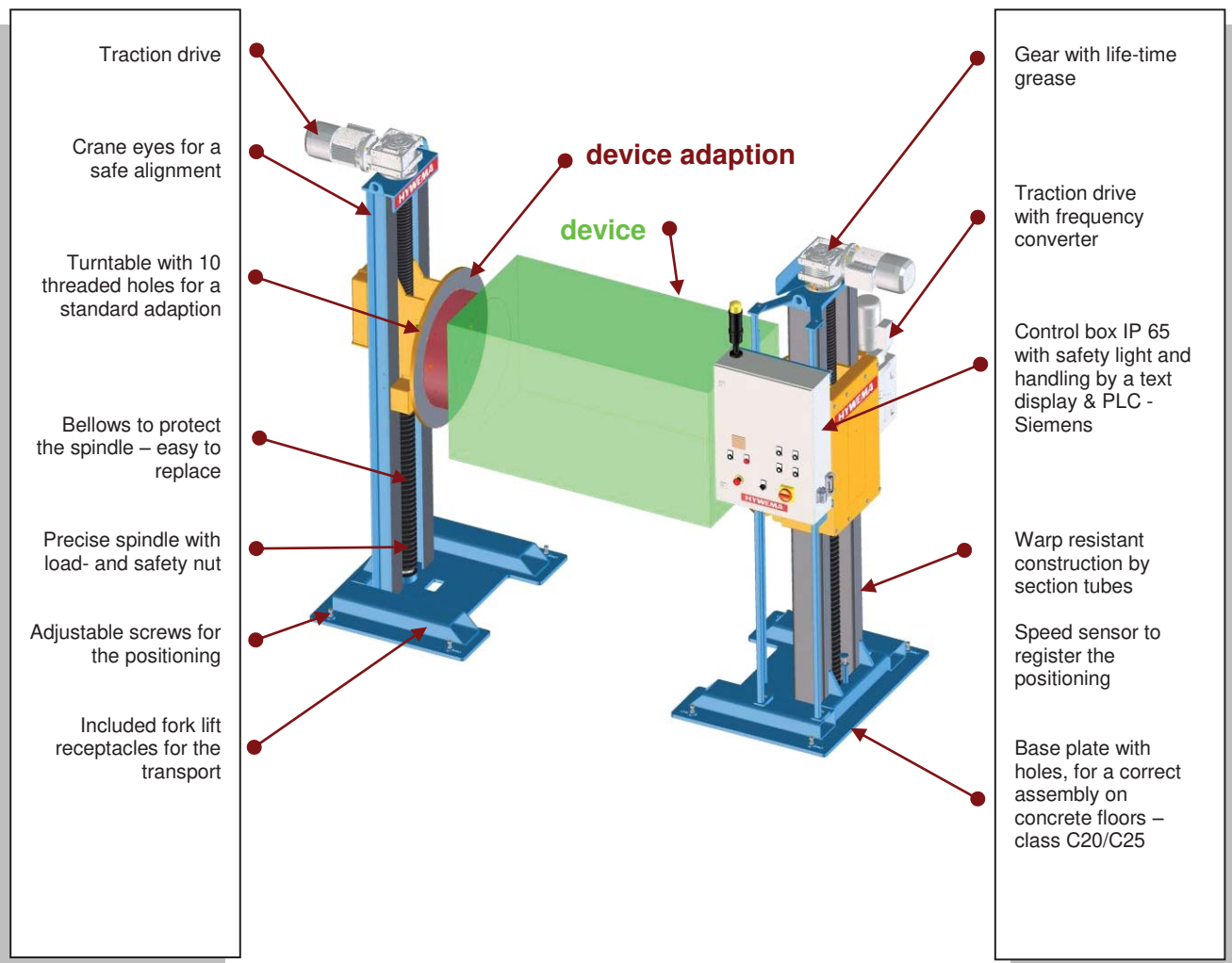


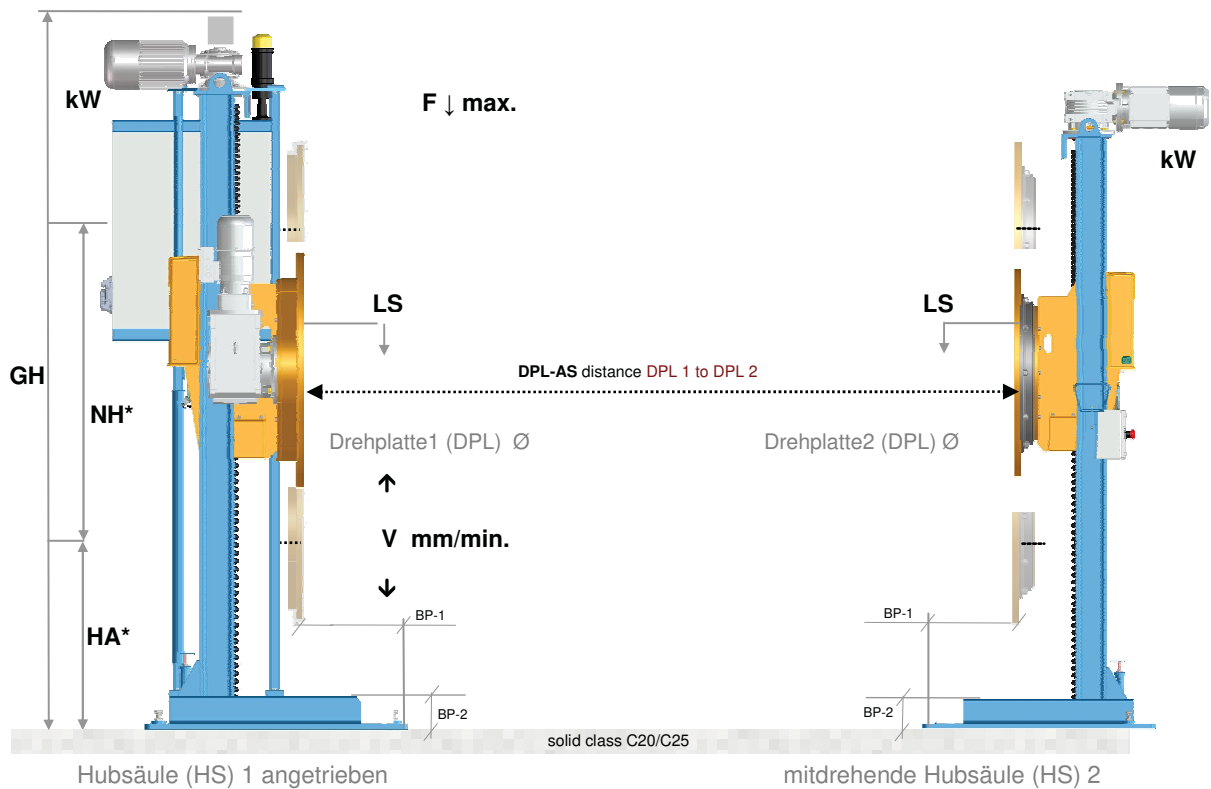
Product Information

HYWEMA® - System components Lift- and Rotating device HDV DUO

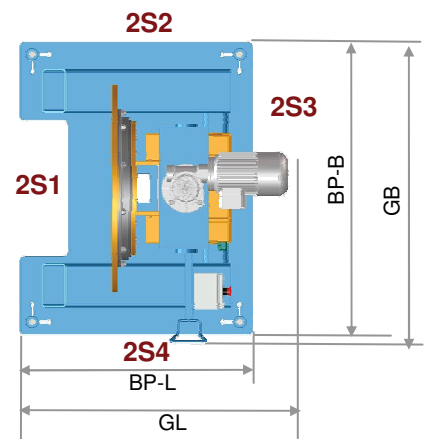
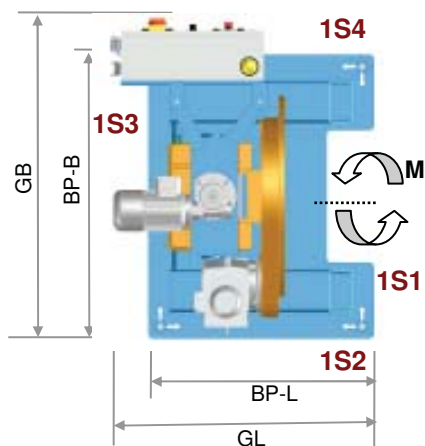


Technical data

HYWEMA® - Lift and rotating device TYPE HDV DUO



* jeweils Mitte Drehplatte



Stand 2012-11

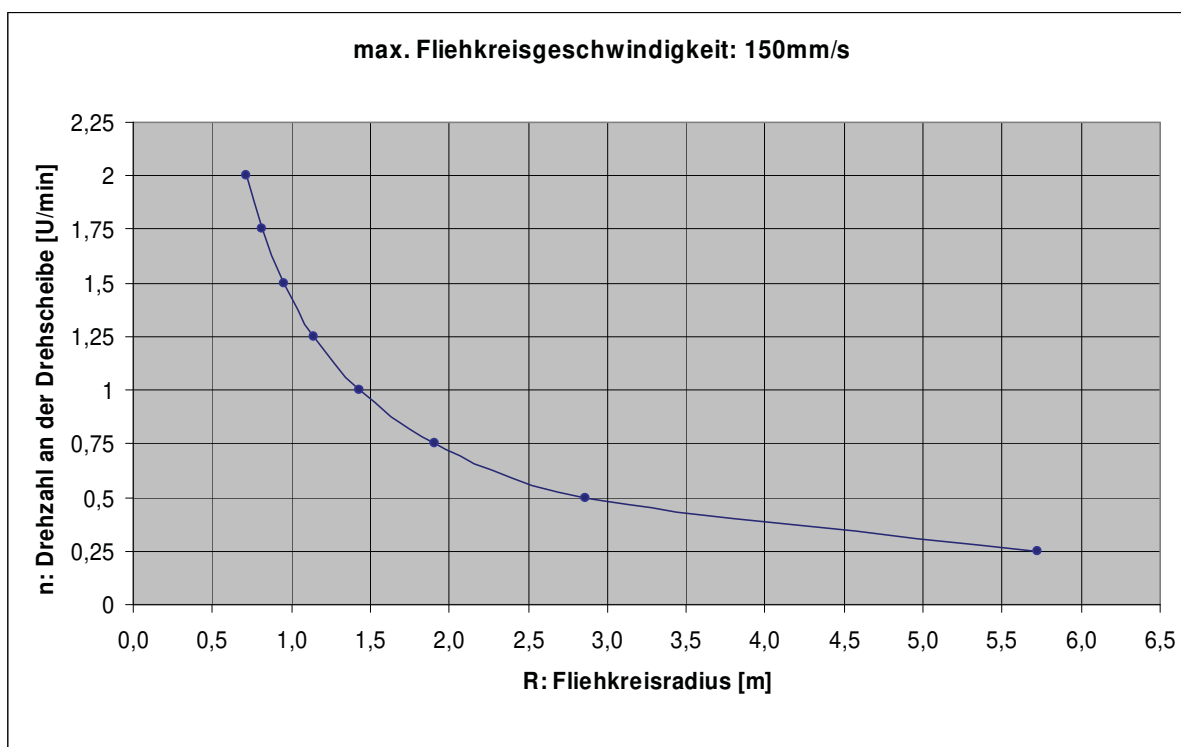
Technical Data / Type	Tragfähigkeit je HS. [kg] Lastverteilung 1:1 bei DUO	Drehmoment max. [Nm] Nur HS 1	Lastschwerpunkt max [mm] vor Drehplatte	Hubgeschwindigkeit [mm/min]	Hubanfang [mm]	Nutzhub + max. Zusatzhub [mm] Mehrpreis je 100 mm	Hubende [mm]	Drehscheibe Ø [mm]	
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HDV-DUO	F	M	LS	V ~	HA	NH	HE	DPL	
HDVD030-025A4	1.500	2.500	500	500	600	1.400+800	2.000	860	
HDVD050-050A3	2.500	5.000	500	500	600	1.400+600	2.000	860	
HDVD050-100A3	2.500	10.000	500	500	600	1.400+600	2.000	1.000	
HDVD080-050A3	4.000	5.000	500	500	600	1.400+400	2.000	860	
HDVD080-100A3	4.000	10.000	500	500	600	1.400+400	2.000	1.000	
HDVD100-100A2	5.000	10.000	500	500	600	1.400+100	2.000	1.000	
HDVD120-100A2	6.000	10.000	500	500	600	1.400+100	2.000	1.000	
HDVD150-150A2	7.500	15.000	500	500	800	1.700 hSp.	2.500	1.150	
HDVD200-150A2	10.000	15.000	500	500	800	1.700 hSp.	2.500	1.150	

Technical Data / Type	Antriebsleitung Heben [kw]	Antriebsleitung Drehen [kw]	Anschluß mit CEE Stecker [A]	Bauseitige träge Absicherung [A]	Abstandsmaße an der Bodenplatte [mm]	Gesamthöhe [mm]	Gesamtlänge [mm]	Gesamtbreite [mm]	Bodenplatte Länge	Bodenplatte Breite in [mm]
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HDV-DUO					BP-1	BP-2	GH	GL	GB	BP-L	BP-B
HDVD030-025A4	2,20	0,37	16A	16A	377	130	2.805	1.100 HS1 1.100 HS2	1.360 HS1 1.235 HS2	950	1.200
HDVD050-050A3	2,20	0,75	16A	16A	358	130	2.840	1.170 HS1 1.170 HS2	1.400 HS1 1.235 HS2	950	1.200
HDVD050-100A3	2,20	1,50	16A	16A	358	130	2.840	1.200 HS1 1.170 HS2	1.560 HS1 1.235 HS2	950	1.200
HDVD080-050A3	2,20	0,75	16A	16A	358	130	2.840	1.170 HS1 1.170 HS2	1.400 HS1 1.235 HS2	950	1.200
HDVD080-100A3	2,20	1,50	16A	16A	358	130	2.840	1.200 HS1 1.170 HS2	1.560 HS1 1.235 HS2	950	1.200
HDVD100-100A2	2,20	1,50	16A	16A	353	130	2.840	1.200 HS1 1.170 HS2	1.560 HS1 1.200 HS2	950	1.200
HDVD120-100A2	2,85	1,50	32A	32A	353	130	2.840	1.200 HS1 1.170 HS2	1.560 HS1 1.200 HS2	950	1.200
HDVD150-150A2	3,00	2,20	32A	32A	219	135	3.545	1.250 HS1 1.250 HS2	1.760 HS1 1.200 HS2	950	1.200
HDVD200-150A2	4,00	2,20	32A	32A	219	135	3.545	1.250 HS1 1.250 HS2	1.760 HS1 1.200 HS2	950	1.200

Operation Voltage	3 Ph 400 V 50 Hz (L1, L2, L3, N, PE) Rechtsdreh Sinn
Control voltage	24 V DC
Protection class	IP54



Product Information

HYWEMA® - Lifting and Rotating Device Type HDV 2,0 DUO/f

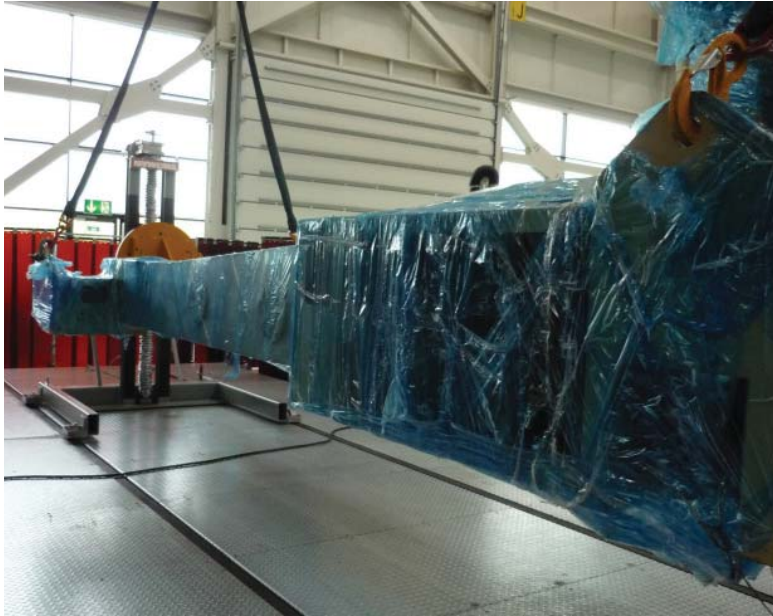


This electro-mechanical lifting and rotating device is used to complete drive units for rail vehicles.

It consists of two mobile lifts, which can be adjusted to the various lengths of the modules.

The drive unit, including the fixed frame is lifted to the right working height and rotated by 180 degrees for the assembly process. The operator therefore assembles the 4,000 kg heavy drive unit in an ergonomic position.

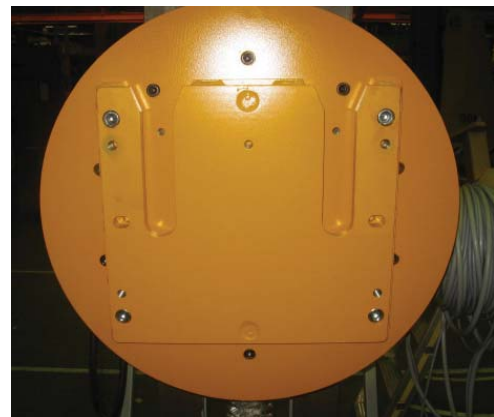
HYWEMA® Lifting and Rotating Device



HYWEMA® developed this lifting and rotating device for welding work on frames for a manufacturer of construction site vehicles. The machine is a 2-column version with a lifting capacity of 5,000 kg and a hoisting height of 1,400 mm. The torque rating is 5,000 Nm. To enable different sizes of frames to be handled, Lift 2 is mounted on rails for easy adjustment.

In addition, the entire installation is mounted on a platform. This means that the entire workplace installation can, if necessary, be relocated to a different place without damaging the flooring of the workshop.

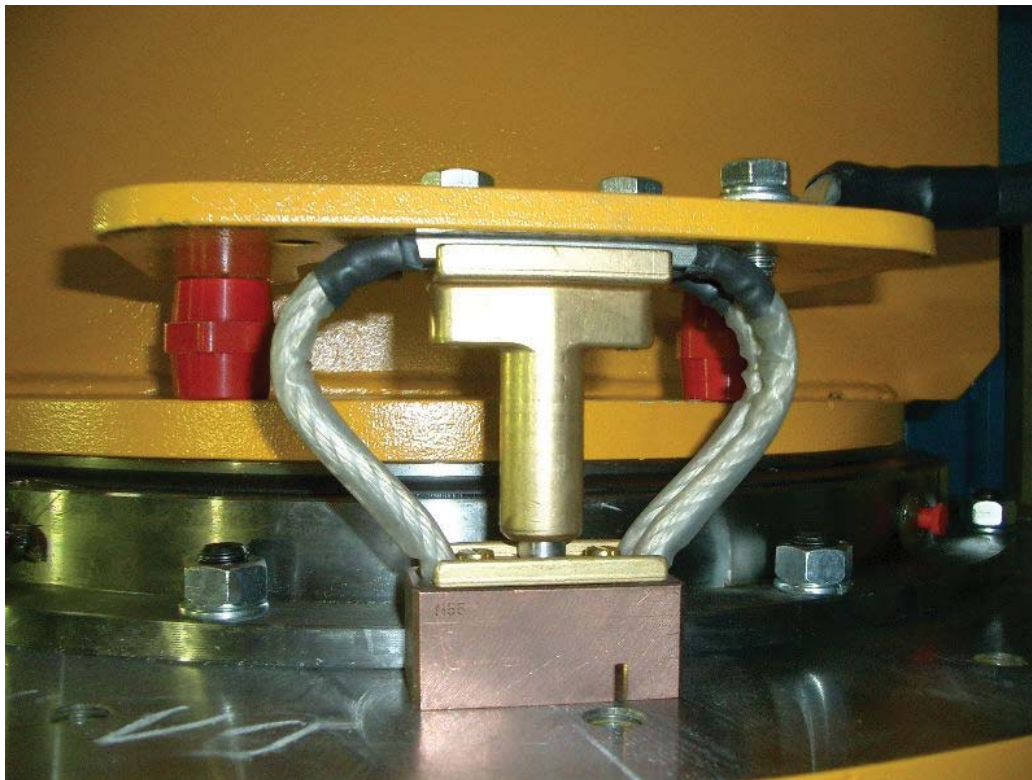
Since it was important to be able to attach a variety of frames, but keep the retooling times within the unit to a minimum, a number of different load adapters with identical quick-change mounts were supplied. To this end, locating bolts with collars were attached to the rear of the load adapters.



Incorporated in the turntables of each of the load supports are two slots. When the load supports have been placed in position and if the locating bolts are in the correct end positions, the adapters are secured in place by spring-loaded locking pins. This construction reduces retooling times considerably, which increases the efficiency rating of the unit still further.



HDV- Welding Current Transfer



Datum : 14.07.2013

Page 1 of 1

HDV-ZU001

Welding current transfer laid out for 500 A leakages current each lift. The electric current transfer through sliding contact. Ground fault located on the lift, where the ground wire of the welding set will be tapped.

Product Information

HYWEMA® Lifting and Rotating Device Type HDV 6.0 DUO

For welding vehicle frames for aircraft tractors



These variable installations can be used to position various different vehicle frames weighing up to 12,000 kg and having dimensions of up to 12,170 x 4,570 x 1,737 mm ergonomically and efficiently. To this end, lift no. 2 can be travelled on rails.

With torque output of 15,000 Nm, a max. rotating height of 2,700 mm above floor level, a turning range of 360° and a lifting and lowering speed of 1,000 mm/min., the installations adequately cover all this vehicle manufacturer's manufacturing needs.

Weld-resistant bellows protect the HYWEMA® self-locking spindle system to make working under raised loads permissible and safe.

Use of this HYWEMA® Lifting and Rotating Device has resulted in the assembly lines becoming considerably more productive, while worker absenteeism has fallen due to the improved ergonomic working conditions.

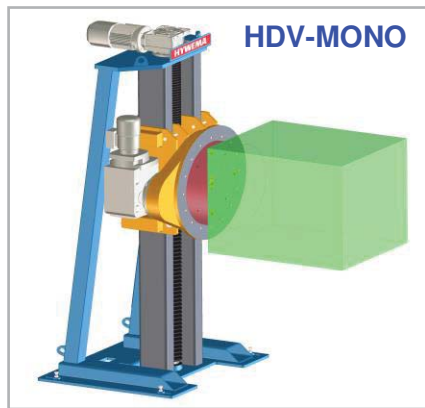






Requirement sheet

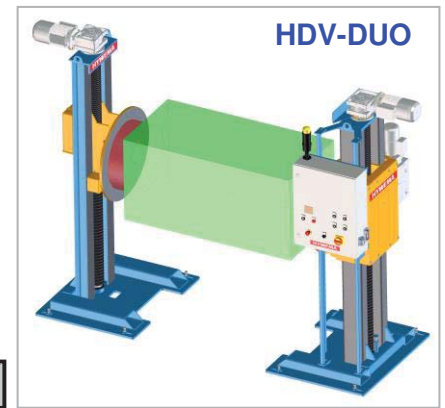
HYWEMA® - Lifting and rotating device



Required quantity

--

HDV type please mark

☐


Column

Stationary ☐

Free movable ☐

Movable on rails ☐

Column 2

☐
☐
☐

Column 1

Stationary ☐

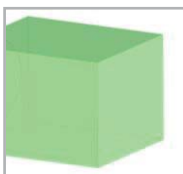
Free movable ☐

Movable on rails ☐

Operating time: __ __ shift __ __ days per week __ __ cycles per hour

Concept of operation...

Component details:



Weight _____ kg

Dimension L _____ W _____ H _____ mm

Torsional stiffness ☐ high ☐ middle ☐ low

Requirement sheet

We need details (sketch / drawing / 3D-file) about center of gravity of the load or load distribution. Please make sure that the maximum torque in all rotary and/or stroke positions not exceeded by the raised component including the adaptation. This also applies to the **different stages of the component**.

Component description...

Should the component screwed directly to the turntable?

Yes ☐ The delivery includes 10 threaded holes max. M16 in the turntable.

No ☐

Should the adaption constructed by HYWEMA®?

No ☐ Construction on customer side

Yes ☐ Adaption constructed by HYWEMA
We need detailed drawings of the component including marked lifting points for the device adapter.

Specials or notes:

For any queries:

PT Hydraulics Australia

19 Ricketts Road,

Mt Waverley

Vic 3149

Tel: 03 9562 8800

Fax: 03 9562 8080

E-Mail: sales@pthydraulics.com.au

Web: www.pthydraulics.com.au

Please specify:

Company: _____

Contact person: _____

Tel.: _____

Fax: _____

E-Mail: _____