

Wheel Brake Type RWB 7



PINTSCH BUBENZER
is certified according to
DIN EN ISO 9001:2008



Tried and Trusted



High Performance



**Reliable –Long Life
Spring Package**



Easy Maintenance



**Lateral
Compensation**

Description RWB 7



Main Features

- Wheel brake spring applied
- Apply time: Continuously adjustable 3-15 seconds
- Wheel brake hydraulically released
- Limit switch release control, proximity type
- Connection by support
- Static or dynamic applications
- Sintered linings
- Braking force 56 kN
- Horizontal float +/- 10 mm

Options

- Operation of several wheel brakes by one hydraulic power unit, including hand pump for emergency release
- Enclosures of stainless steel for power unit and terminal box
- Space heater, oil level and oil temperature switch for the power unit
- Complete piping set, if required in stainless steel

Applications

- As storm brake on all rail mounted equipment, e. g. cranes, stackers, reclaimers etc. Direct holding of idle wheels. Particularly where a rail clamp or a rail brake cannot be used

Operating Restrictions

- Brakes of this range are tested both mechanically and hydraulically and are set to nominal force. This setting can only be changed by the manufacturer. Operating conditions other than described in this brochure require the manufacturer's approval and may influence the function of the brake and its components.



Please Note

We supply a detailed operating manual with every order. Nevertheless, we would point out that wheel brakes are only as safe as the servicing and maintenance performed while they are in operation.



PINTSCH BUBENZER Service

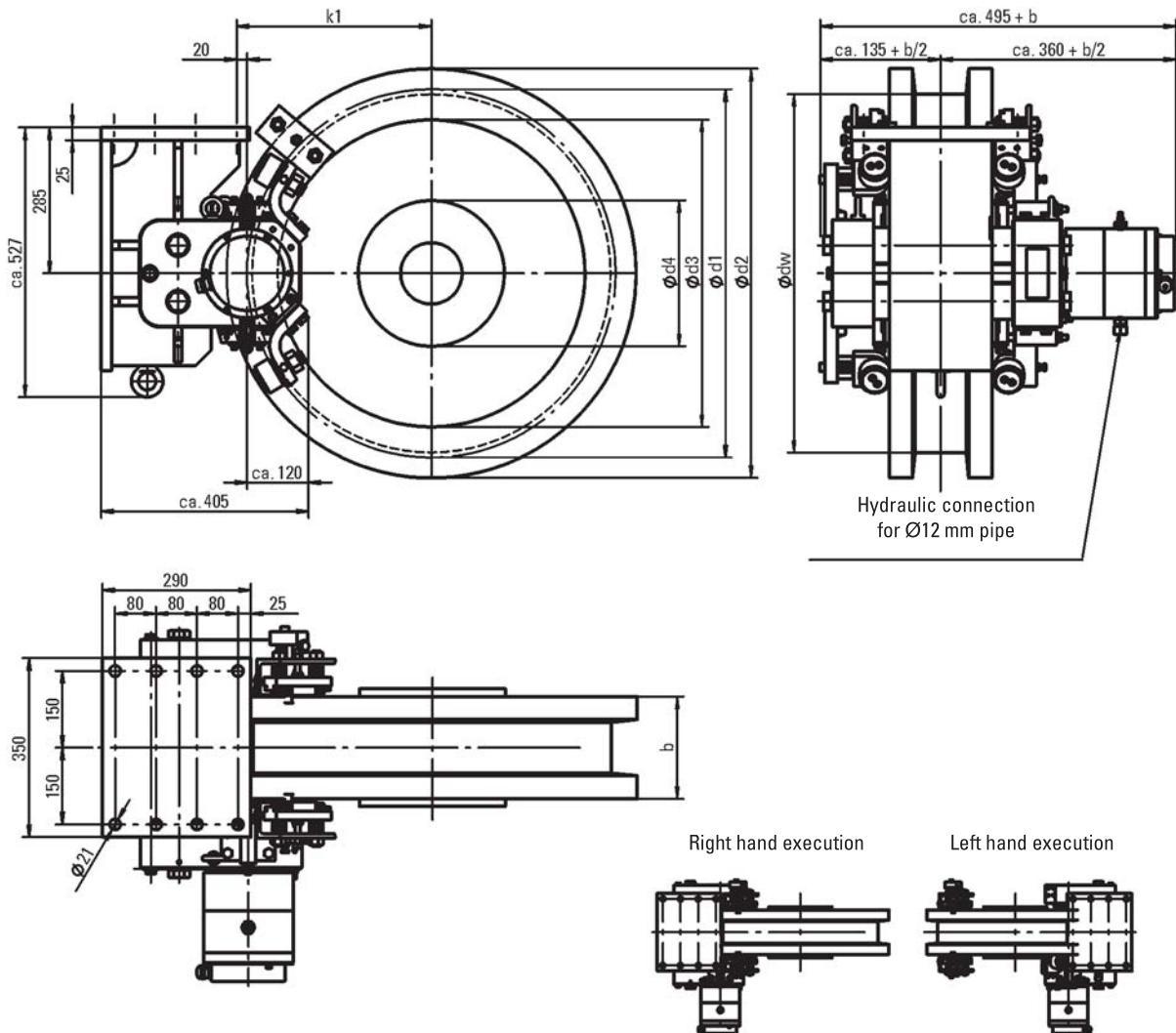
This includes the installation and commissioning on-site by PINTSCH BUBENZER service engineers, if required. Drawings as DWG/DXF files for your engineering department are available upon request.

Wheel Brake RWB 7

Dimensions and technical data



Rev. 04-12



| | | |
|--|--------------------------------------|--------------------------|
| | dw Wheel Diameter / Running Surface | min. 500 max. 1000 |
| | d1 Median Friction Diameter | = d2 - 80 |
| If d2 - d3 < 140 then consult PINTSCH BUBENZER! | d2 Wheel Rim Diameter outside | |
| | d3 Wheel Rim Diameter inside | |
| Dimensions apply for depicted wheel type. For other wheel types consult PINTSCH BUBENZER! *) Different dimensions on request **) Theor. friction factor of standard material combination All dimensions in mm Alterations reserved without notice | d4 Max. Hub Diameter | = d2 - 350 |
| | k1 Axial Distance | = d2/2 - 20 |
| | Wheel Width * | min. 140 max. 210 |
| | Contact Force per Brake Caliper half | 70 kN |
| | Max. Braking Force | 56 kN ($\mu=0,4^{**}$) |
| | Operating Pressure | 100 bar |
| | Max. Pressure | 135 bar |
| | Lateral Balance | ± 10 mm |
| | Temperature Range | 20°C to +50°C |
| | Weight | 240 kg |

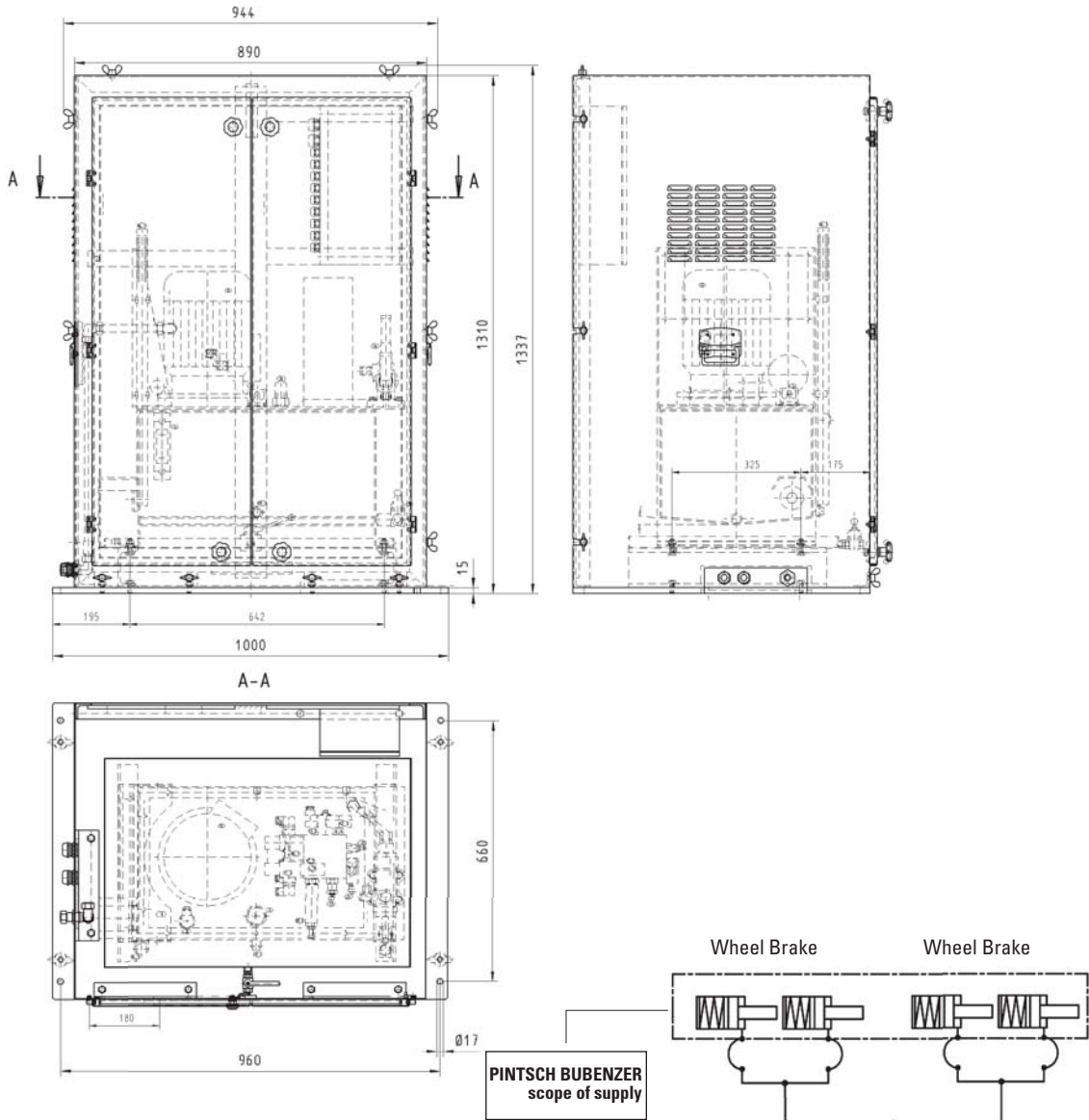
Wheel Brake RWB 7

Hydraulic power unit for one or more brakes

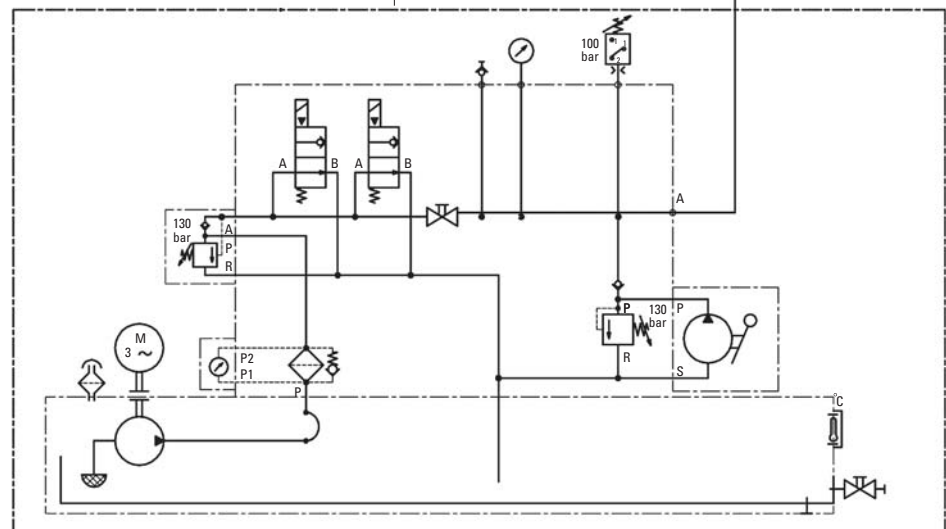


Rev. 05-08

Type example



| | |
|------------------|------------|
| Motor: | 5,5 kW |
| Pump: | 14,6 l/min |
| Max. pressure: | 145 bar |
| Oil tank: | 40 l |
| Hand pump: | incl. |
| Pressure switch: | incl. |



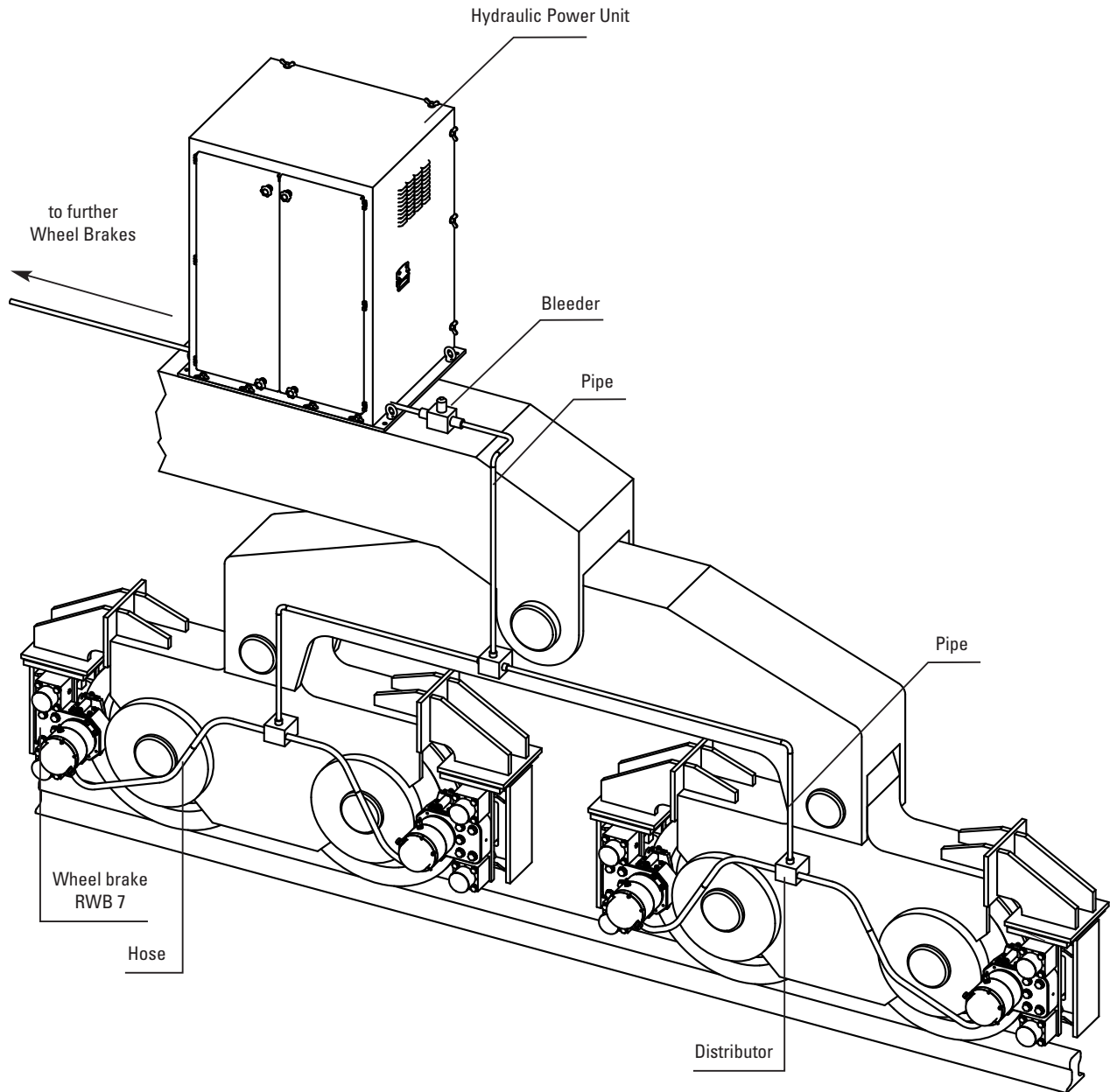
All dimensions in mm
Alterations reserved without notice

Piping Sample

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Attention: For operating two or more brake units with one power unit please note, that the power unit should be installed between the brakes in the centre to achieve almost equal pipe length on both sides (equal apply time of brakes).