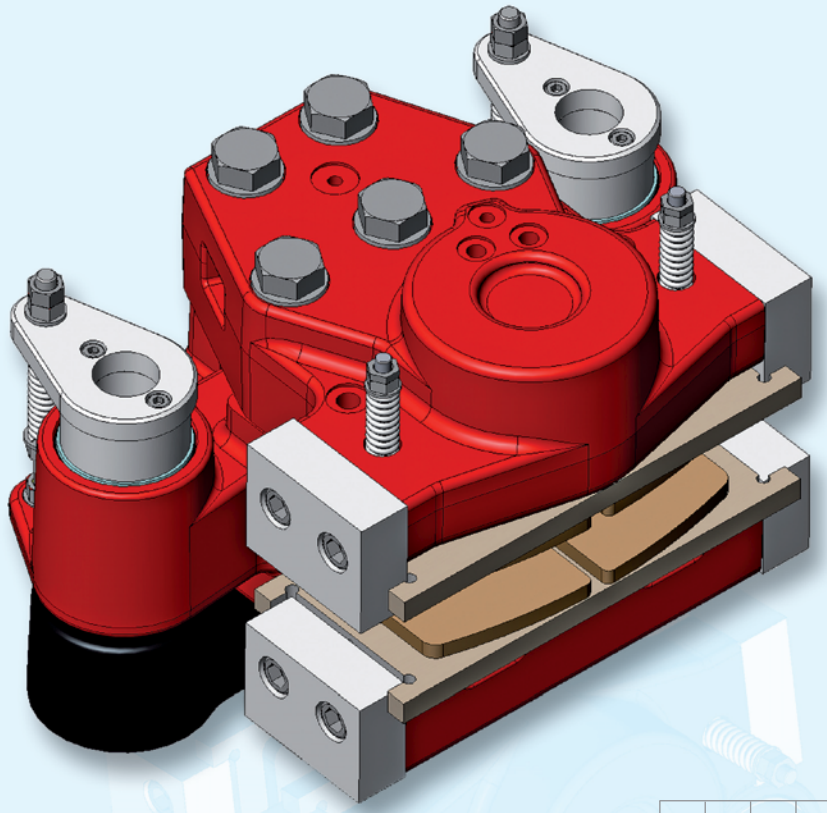
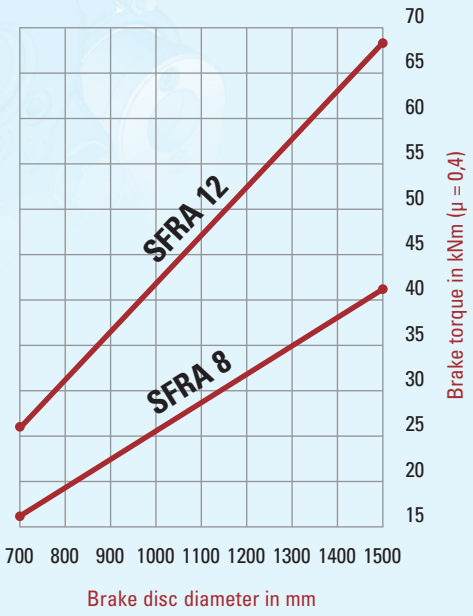




PINTSCH BUBENZER
is certified according to
DIN EN ISO 9001:2000

Reliable

High Performance

Robust Design

Easy Maintenance

Description SFRA

Main Features

- **Active** caliper brake, ready to operate, hydraulically applied, spring retracted
- **Sintered linings**
- Horizontal compensation +- 5 mm
- Support for direct gear box mounting

Options

- Limit switch release control
- Limit switch wear control
- Hydraulic power units
- Brake discs and couplings
- Seals for special fluids
- **Sensors** for **remote monitoring** and diagnostic, like e.g. temperature-, wear- and release gap monitoring

Applications

- The high capacity of these brakes makes them particularly suitable as rotor brakes in wind turbines.
- Use of the brakes for applications with high duty cycles should be specifically indicated during technical selection procedure.

Please Note

We supply a detailed operating manual with every order. Nevertheless, we would point out that brakes are only as safe as the servicing and maintenance performed while they are in operation. The guarantee for the correct functioning of our brakes is therefore only valid if the user adheres to the German DIN standard 15434 part 2 (drum and disc brakes, servicing and maintenance in operation), or to comparable standards in his own country.

PINTSCH BUBENZER Service

This includes the verification of the brake selection, if required. A detailed questionnaire is provided for this purpose. Installation and commissioning on site is possible by PINTSCH BUBENZER service engineers. Drawings as DWG/DXF files for your engineering department are available upon request.

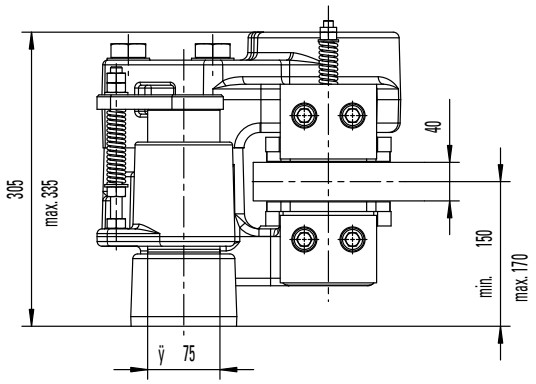
Disc Brake SFRA 8

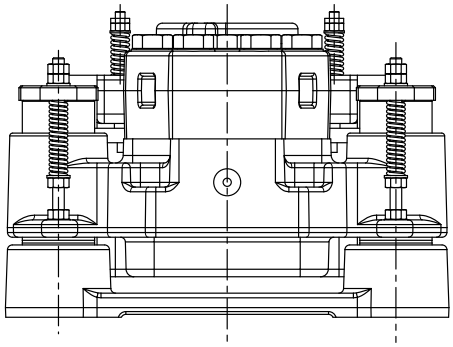
Dimensions and technical data

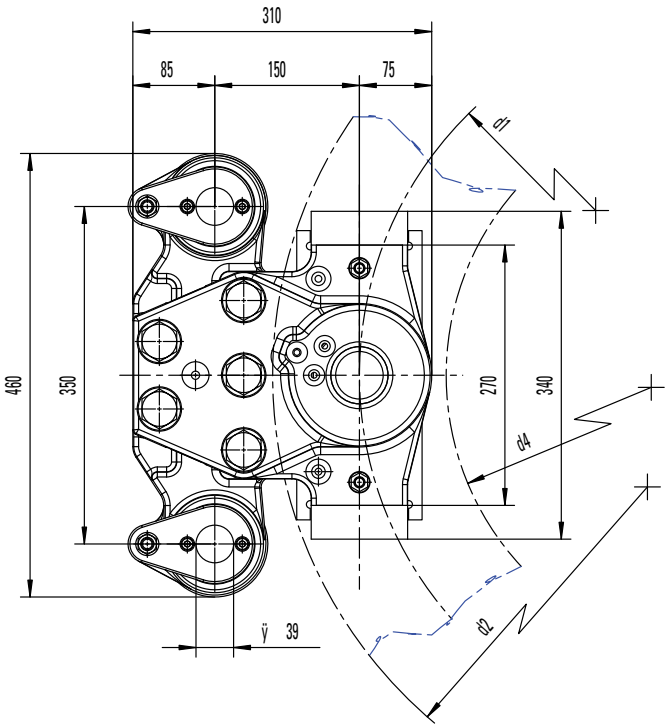
PINTSCH BUBENZER

Rev. 05-08

B







Type SFRA 8		
Contact Force F_A	kN	80
Operating Pressure (max.)	bar	100
Oil Volume - 1 mm Stroke	l	0,0078
Piston Area	cm²	79
Temperature Range	°C	-20 to +60
Weight	kg	130

Brake Pad		
Pad Area (each Side)	cm²	250
Brake Pad Width	mm	130
Theor. Friction Coefficient *	µ	0,4

Brake Disc		
Brake Disc Ø d2	mm	700...1500
Friction Ø d1	mm	d2 - 180
Max. perm. Hub Ø d4	mm	d2 - 360
Disc Thickness (Standard)	mm	40

*) Average friction factor of standard material combination

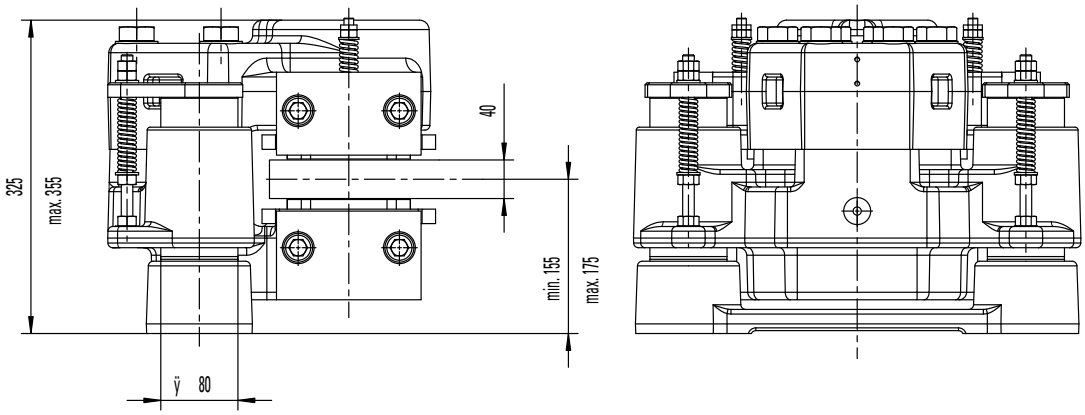
All dimensions in mm
Alterations reserved without notice

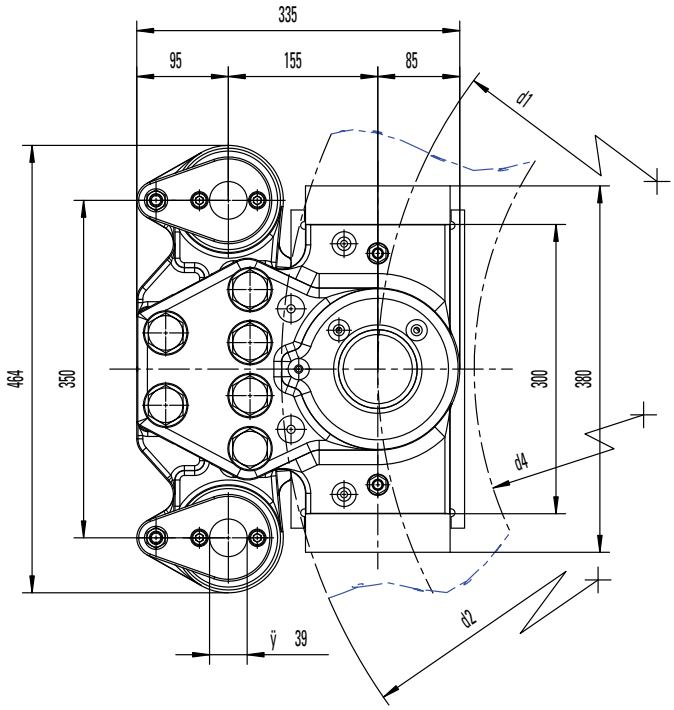
Disc Brake SFRA 12

Dimensions and technical data

PINTSCH BUBENZER

Rev. 05-08





Type SFRA 12		
Contact Force F_A	kN	130
Operating Pressure (max.)	bar	115
Oil Volume - 1 mm Stroke	l	0,0113
Piston Area	cm²	113
Temperature Range	°C	-20 to +60
Weight	kg	180

Brake Pad		
Pad Area (each Side)	cm²	250
Brake Pad Width	mm	130
Theor. Friction Coefficient *	μ	0,4

Brake Disc		
Brake Disc Ø d2	mm	700...1500
Friction Ø d1	mm	d2 - 200
Max. perm. Hub Ø d4	mm	d2 - 400
Disc Thickness (Standard)	mm	40

*) Average friction factor of standard material combination

All dimensions in mm
Alterations reserved without notice