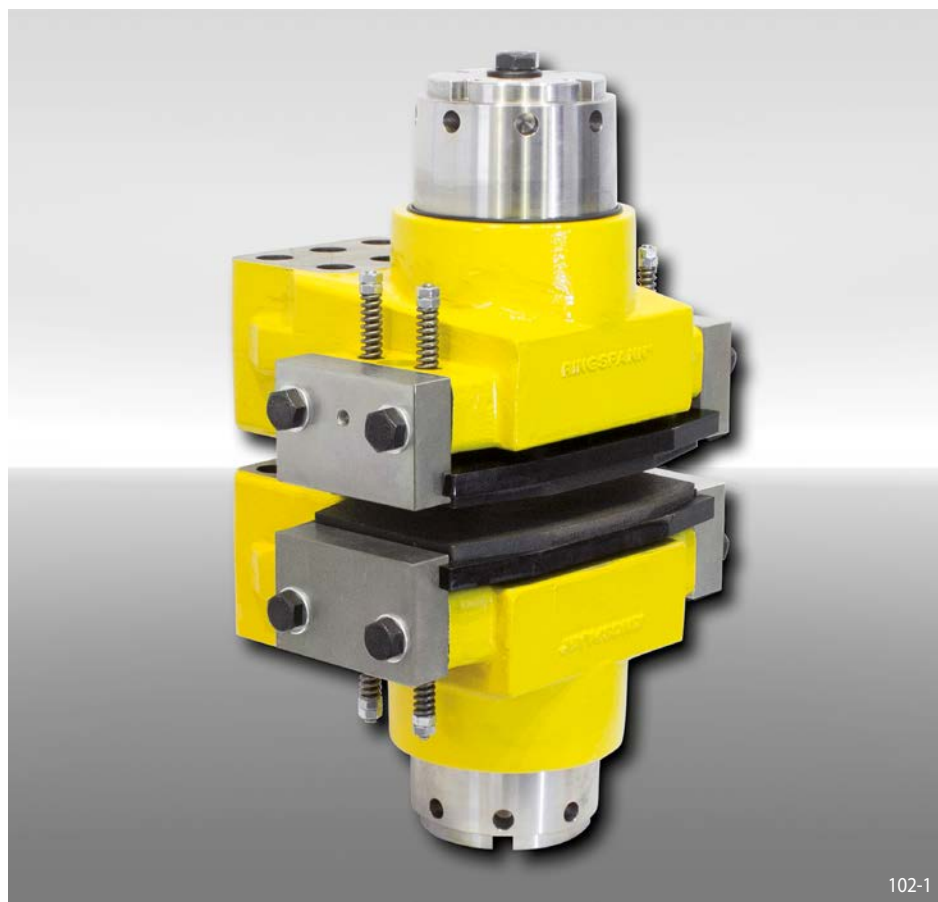


# Brake Caliper HW 120 FHM

spring activated – hydraulically released

**RINGSPANN®**



## Features

Brake Caliper

Code

H

Standard

W

Frame size 120

120

Spring activated

F

Hydraulically released

H

Manual adjustment to  
accommodate friction block wear

M

Spring packages available  
for clamping forces of 30 kN, 50 kN,  
70 kN, 100 kN or 120 kN

030  
to  
120

## Example for ordering

Brake Caliper HW 120 FHM, spring pack-  
age for clamping force 30 kN:

HW 120 FHM - 030

## Technical Data

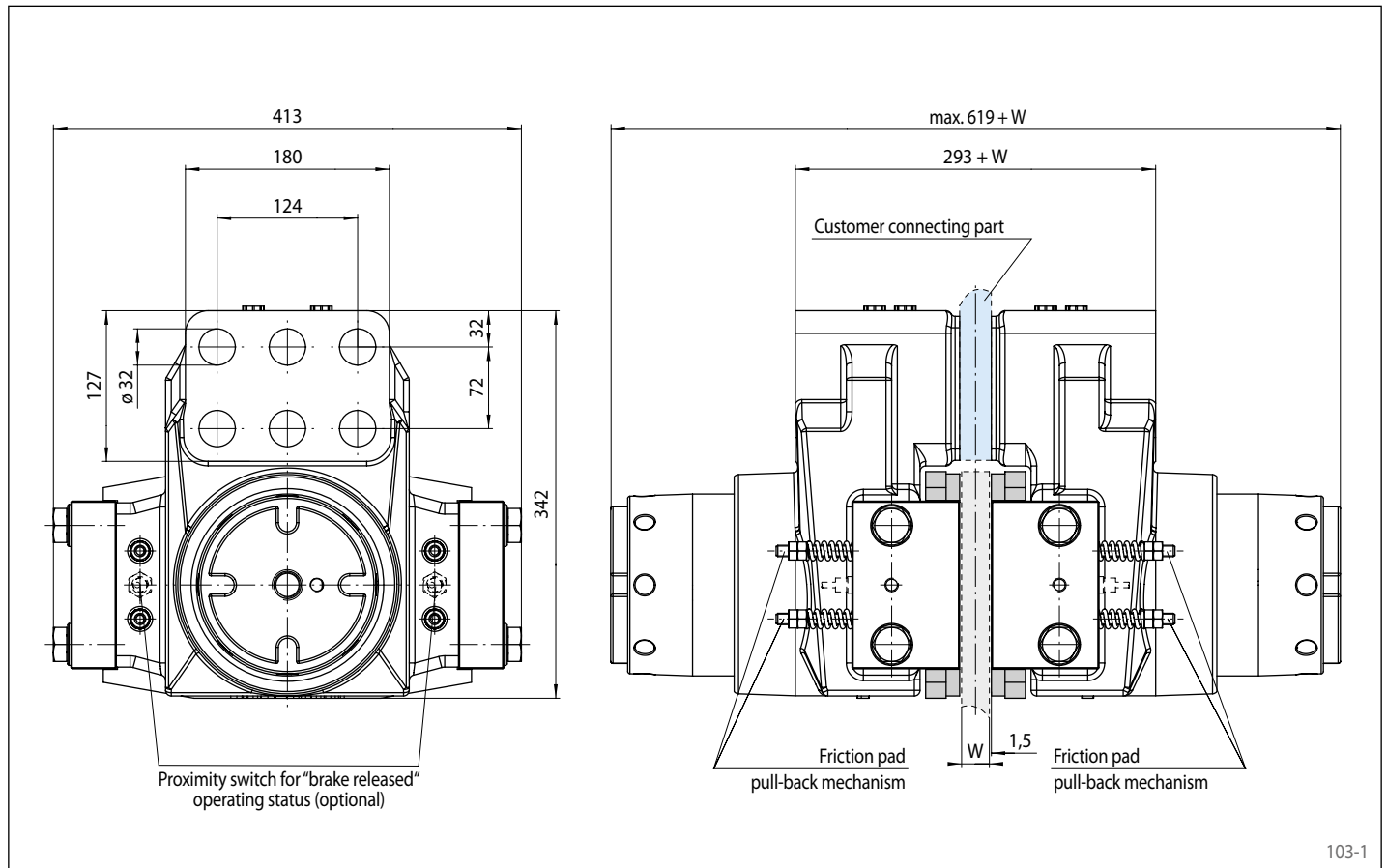
|                        | Brake Caliper HW 120 FHM      |                               |                               |                               |                               |
|------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
|                        | with<br>spring package<br>030 | with<br>spring package<br>050 | with<br>spring package<br>070 | with<br>spring package<br>100 | with<br>spring package<br>120 |
| Brake disc<br>diameter | Braking<br>torque             | Braking<br>torque             | Braking<br>torque             | Braking<br>torque             | Braking<br>torque             |
| mm                     | Nm                            | Nm                            | Nm                            | Nm                            | Nm                            |
| 900                    | 8400                          | 14000                         | 19600                         | 28000                         | 33600                         |
| 1250                   | 12600                         | 21000                         | 29400                         | 42000                         | 50400                         |
| 1600                   | 16800                         | 28000                         | 39200                         | 56000                         | 67200                         |
| 2000                   | 21600                         | 36000                         | 50400                         | 72000                         | 86400                         |
| 3000                   | 33600                         | 56000                         | 91800                         | 112000                        | 134400                        |
| 3500                   | 39600                         | 66000                         | 108200                        | 132000                        | 158400                        |
| 4000                   | 45600                         | 76000                         | 124600                        | 152000                        | 182400                        |
| Clamping force         | 30 kN                         | 50 kN                         | 70 kN                         | 100 kN                        | 120 kN                        |
| Oil pressure           | min. 50 bar<br>max. 200 bar   | min. 80 bar<br>max. 200 bar   | min. 110 bar<br>max. 200 bar  | min. 140 bar<br>max. 200 bar  | min. 180 bar<br>max. 200 bar  |
| Oil volume             | max. 170 cm <sup>3</sup>      | max. 170 cm <sup>3</sup>      | max. 170 cm <sup>3</sup>      | max. 170 cm <sup>3</sup>      | max. 170 cm <sup>3</sup>      |
| Weight                 | ca. 185 kg                    | ca. 185 kg                    | ca. 185 kg                    | ca. 185 kg                    | ca. 185 kg                    |

The braking torques shown in the table are based on a theoretical friction coefficient of 0.4.

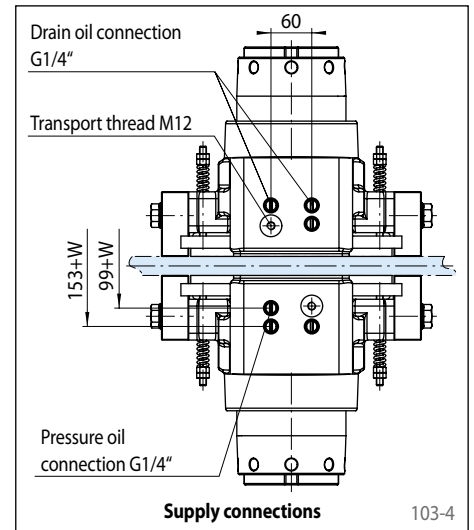
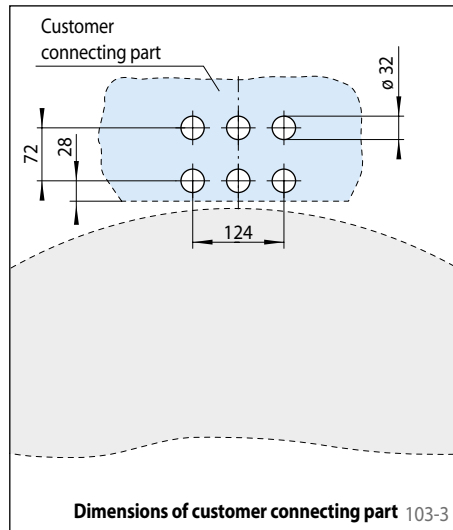
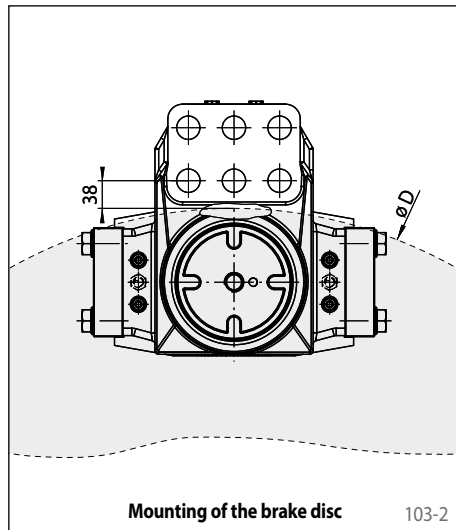
# Brake Caliper HW 120 FHM

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spring activated – hydraulically released



## Mounting



## Other features

- High safety against leakage
- Easy change of friction blocks
- Painted with surface coating class C4-L according to ISO 12944
- The thickness of the customer connecting part results from the thickness of the brake disc W plus 3 mm

## Accessories

- Inductive proximity switch for "brake released" operating status
- Optional painting with surface coating class C4-H or C5M-H (offshore) according to ISO 12944