

Brake Caliper HS 120 FHM

spring activated – hydraulically released
for wind turbines or conveyor systems

EDMAYR
ANTRIEBSTECHNIK



Features

Features	Code
Brake Caliper	H
Floating caliper	S
With piston diameter 120 mm	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 HS 120 FHM, spring package for clamping force 30 kN:

HS 120 FHM - 030

Technical Data

	Brake Caliper HS 120 FHM				
	with spring package 030	with spring package 050	with spring package 070	with spring package 100	with spring package 120
Brake disc diameter	Braking torque	Braking torque	Braking torque	Braking torque	Braking torque
mm	Nm	Nm	Nm	Nm	Nm
900	8 400	14 000	19 600	28 000	33 600
1 250	12 600	21 000	29 400	42 000	50 400
1 600	16 800	28 000	39 200	56 000	67 200
2 000	21 600	36 000	50 400	72 000	86 400
3 000	33 600	56 000	91 800	112 000	134 400
3 500	39 600	66 000	108 200	132 000	158 400
4 000	45 600	76 000	124 600	152 000	182 400
Clamping force	30 kN	50 kN	70 kN	100 kN	120 kN
Oil pressure	min. 50 bar max. 200 bar	min. 80 bar max. 200 bar	min. 110 bar max. 200 bar	min. 140 bar max. 200 bar	min. 180 bar max. 200 bar
Oil volume	max. 160 cm ³	max. 160 cm ³	max. 160 cm ³	max. 160 cm ³	max. 160 cm ³
Weight	ca. 200 kg	ca. 200 kg	ca. 200 kg	ca. 200 kg	ca. 200 kg

The braking torques shown in the table are based on a theoretical friction coefficient of 0,4.

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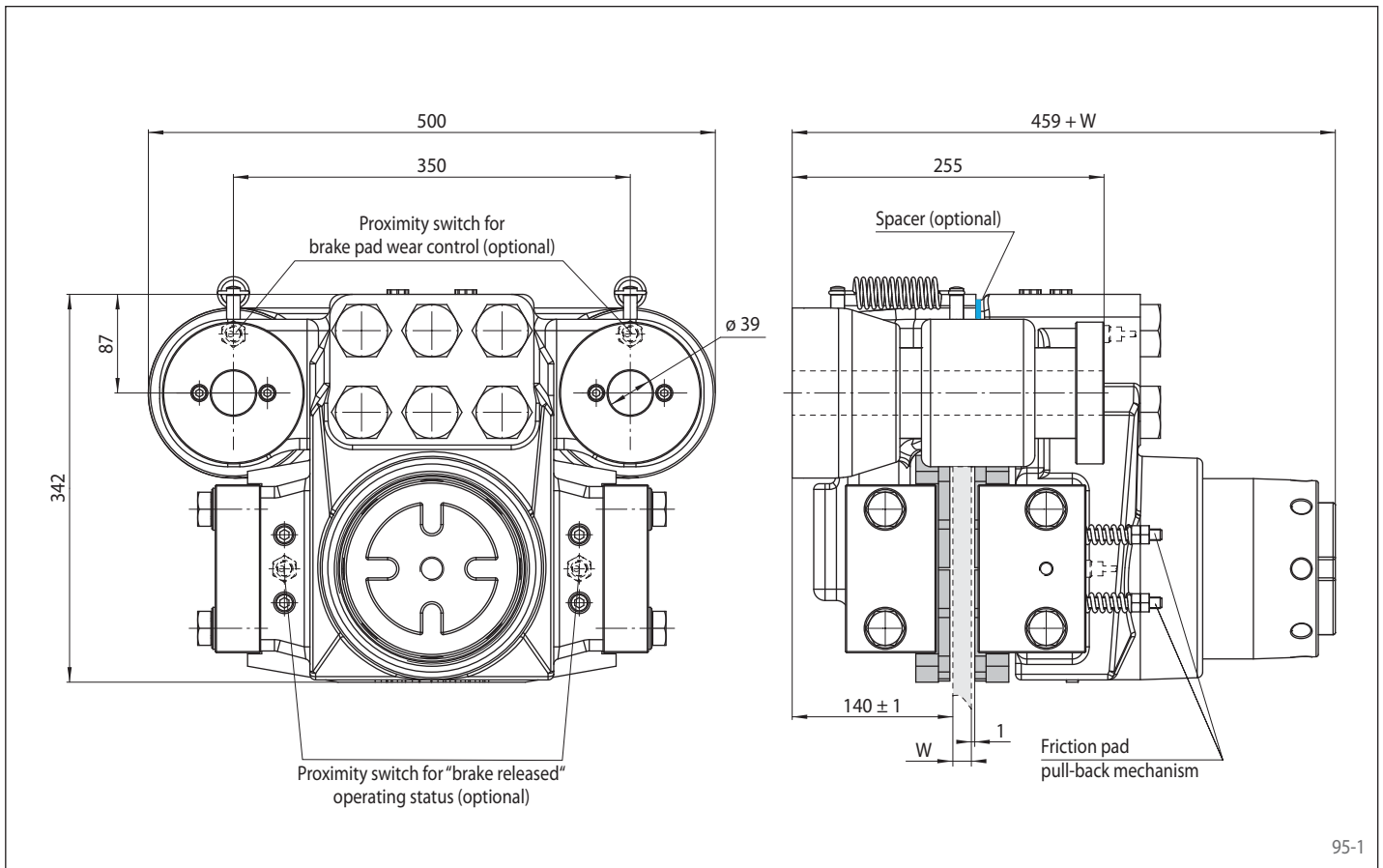
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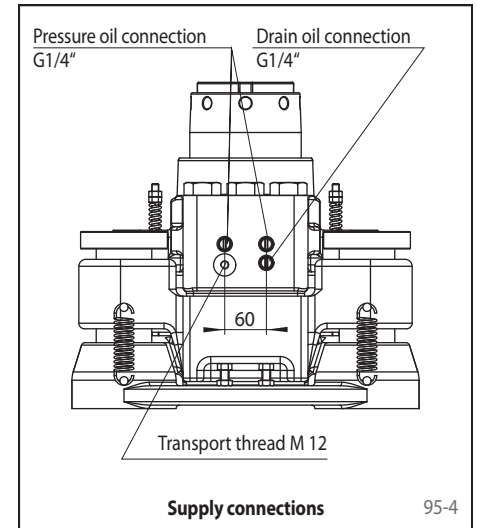
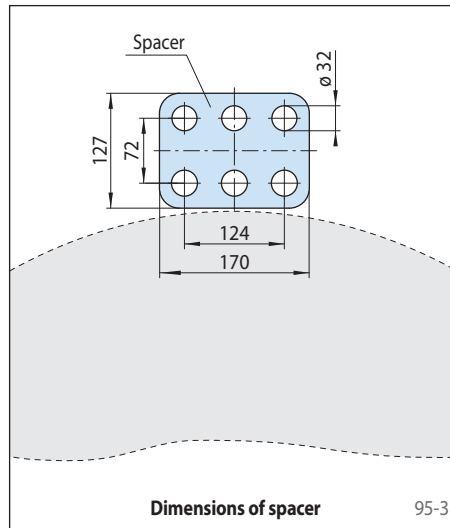
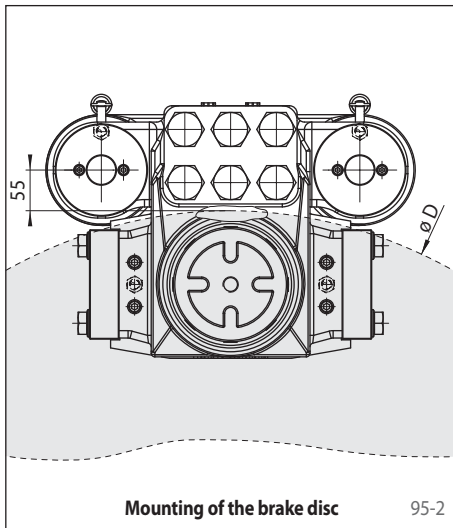
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Mounting



Other features

- High safety against leakage
- Easy change of friction blocks
- Painted with surface coating class C4-L according to ISO 12944
- For brake disc thickness $W = 20$ mm; brake disc thicknesses of up to 40 mm can be achieved with the use of a spacer installed by the customer

Accessories

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

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