

Brake Calipers HW ... FHM

spring activated – hydraulically released

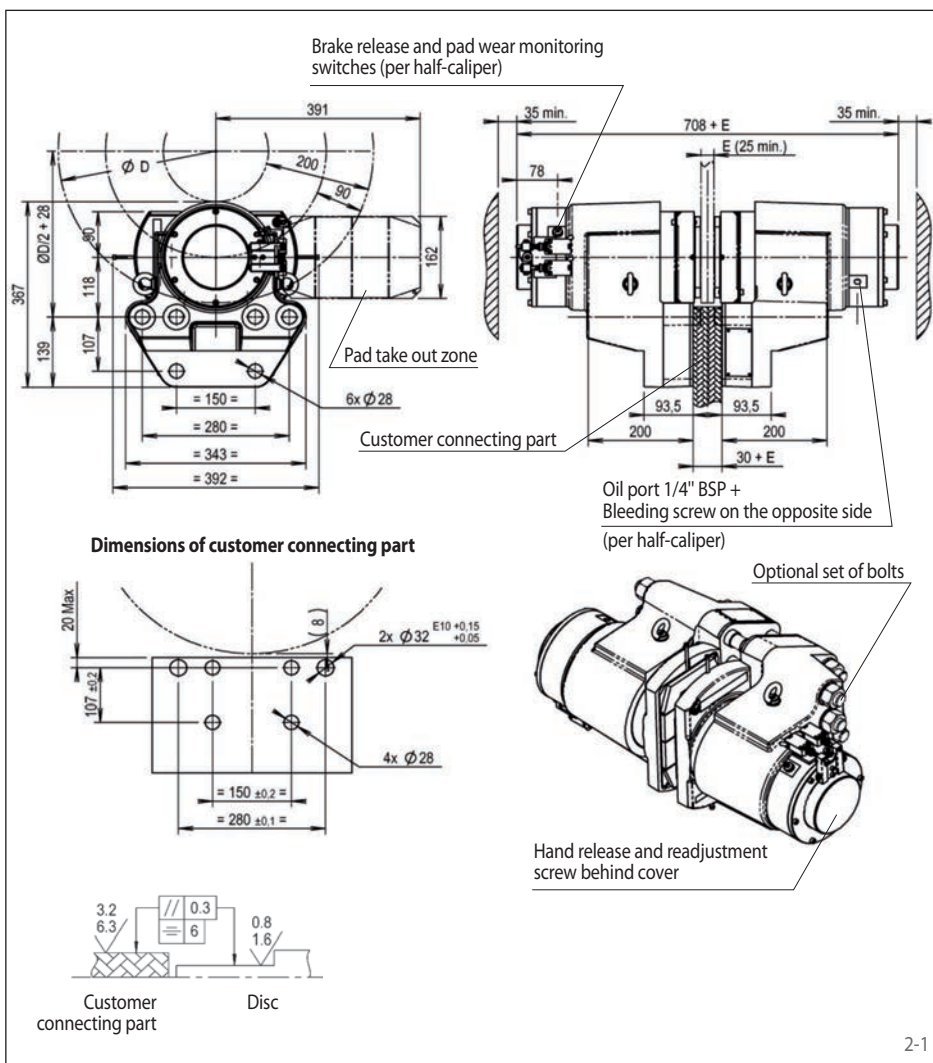


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Brake Caliper HW 145 FHM

spring activated – hydraulically released



Features

Features	Code
Brake Caliper	H
Standard	W
Frame size 145	145
Spring activated	F
Hydraulically released	H
Manual adjustment to accommodate friction block wear	M
Max. clamping force 270 kN	270

Example for ordering

Brake Caliper HW 145 FHM, max. clamping force 270 kN:

HW 145 FHM-270

Working conditions

- Ambient temperature: -20 °C / +60 °C
- Humidity: < 90 %

Monitoring switches

- 240 VAC 1,5 A; 250 VDC 0,1 A
- Wire 5 x 0,75 mm², length 2 m, outside diameter 7,5 mm
- IP67 protection

Options

- Reduced closing time
- Friction blocks with wear indicator cables or sintered friction linings (for high temperatures)
- Corrosion protected design
- Low temperature execution
- Offshore certifications
- ATEX certifications for explosive atmospheres

Notes

- Including two pairs of shear pins $\varnothing 32_{g6}$
- Including lifting rings
- **Fixation:**
6 screws M 27, class 10.9 with tightening torque 1 380 Nm $\pm 10\%$ μ 0,15 (not supplied)
- 3D models available on request

Technical Data

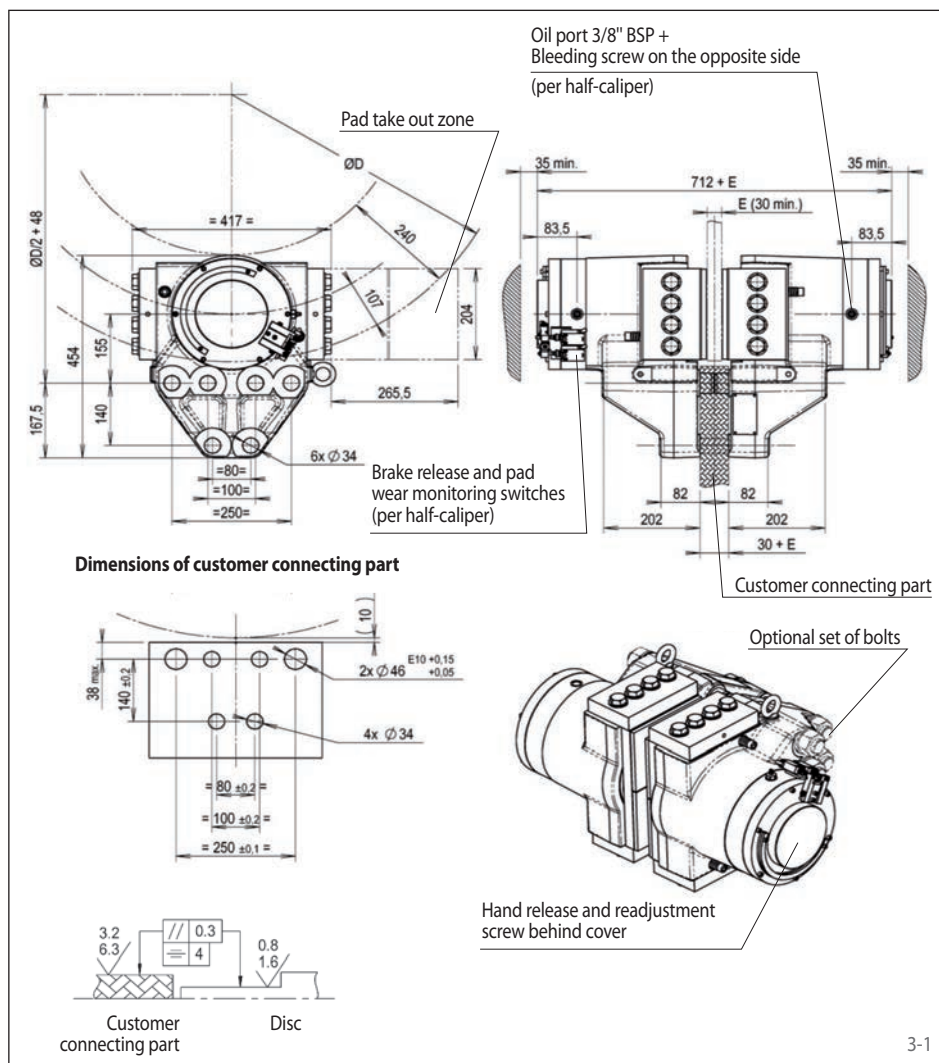
Braking force*	190 kN
Braking torque**	190 kN x Rf
Disc diameter	min. 700 mm
Friction radius	Rf [mm] = ($\varnothing$ D/2) - 90 mm
Total gap between pads and disc (nominal value)	2 mm
Response time	0,2 s
Oil pressure	min. 200 bar max. 230 bar
Oil volume	max. 70 cm ³
Min. disc thickness E	25 mm
Weight	237 kg

*Braking force loss at 1 mm pad wear: 4%

** Braking torque increases by up to 12% in dynamic mode

Brake Caliper HW 165 FHM

spring activated – hydraulically released



Features

Features	Code
Brake Caliper	H
Standard	W
Frame size 165	165
Spring activated	F
Hydraulically released	H
Manual adjustment to accommodate friction block wear	M
Max. clamping force 420 kN	420

Example for ordering

Brake Caliper HW 165 FHM, max. clamping force 420 kN:

HW 165 FHM-420

Working conditions

- Ambient temperature: -20 °C / +60 °C
- Humidity: < 90 %

Monitoring switches

- 240 VAC 1,5 A; 250 VDC 0,1 A
- Wire 5 x 0,75 mm², length 2 m, outside diameter 7,5 mm
- IP67 protection

Options

- Reduced closing time
- Friction blocks with wear indicator cables or sintered friction linings (for high temperatures)
- Corrosion protected design
- Low temperature execution
- Offshore certifications
- ATEX certifications for explosive atmospheres

Notes

- Including two pairs of shear pins Ø 46_{g6}
- Including lifting rings
- **Fixation:**
6 screws M 33, class 10.9 with tightening torque 1 950 Nm ±5% µ 0,10 (not supplied)
- 3D models available on request

Technical Data

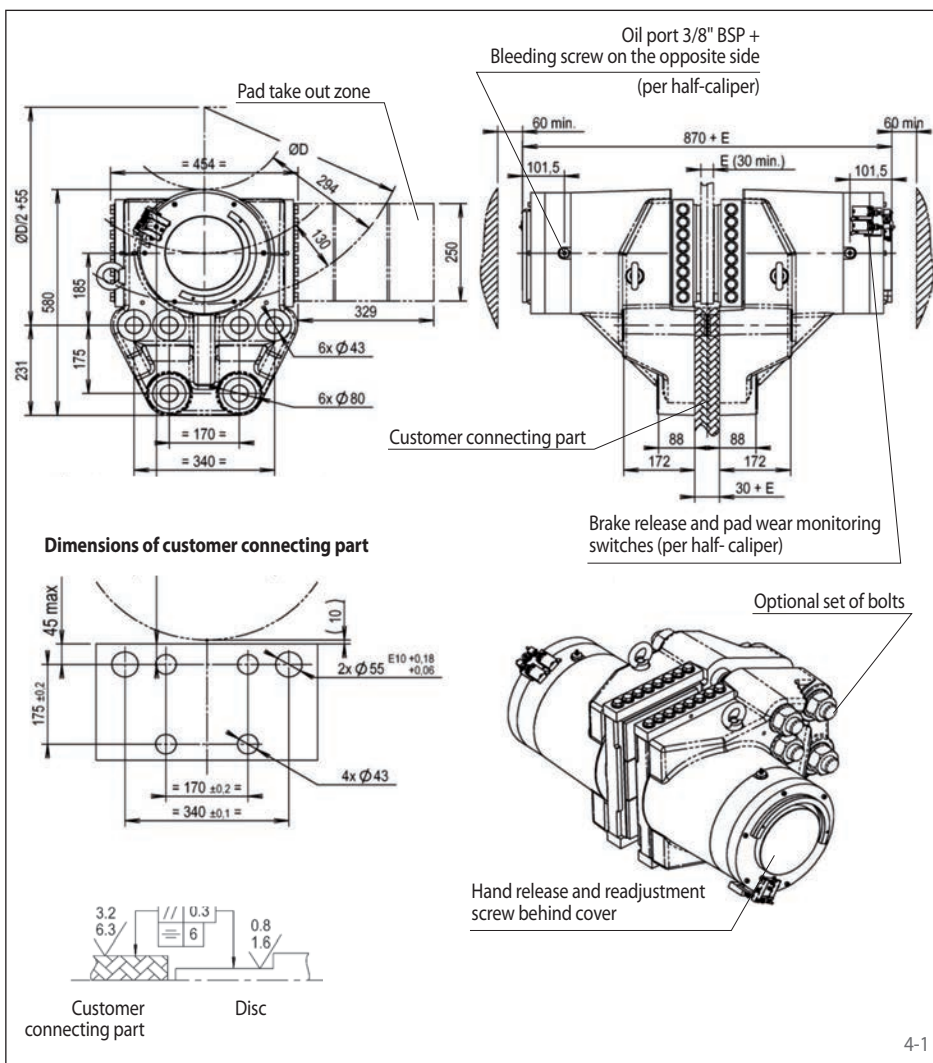
Braking force*	300 kN
Braking torque**	300 kN x Rf
Disc diameter	min. 800 mm
Friction radius	Rf [mm] = (Ø D/2) - 107 mm
Total gap between pads and disc (nominal value)	2 mm
Response time	0,3 s
Oil pressure	min. 200 bar max. 230 bar
Oil volume	max. 120 cm ³
Min. disc thickness E	30 mm
Weight	425 kg

*Braking force loss at 1 mm pad wear: 5%

** Braking torque increases by up to 12% in dynamic mode

Brake Caliper HW 215 FHM

spring activated – hydraulically released



Features

Features	Code
Brake Caliper	H
Standard	W
Frame size 215	215
Spring activated	F
Hydraulically released	H
Manual adjustment to accommodate friction block wear	M
Max. clamping force 560 kN	560

Example for ordering

Brake Caliper HW 215 FHM, max. clamping force 560 kN:

HW 215 FHM-560

Working conditions

- Ambient temperature: -20 °C / +60 °C
- Humidity: < 90 %

Monitoring switches

- 240 VAC 1,5 A; 250 VDC 0,1 A
- Wire 5 x 0,75 mm², length 2 m, outside diameter 7,5 mm
- IP67 protection

Options

- Reduced closing time
- Friction blocks with wear indicator cables or sintered friction linings (for high temperatures)
- Corrosion protected design
- Low temperature execution
- Offshore certifications
- ATEX certifications for explosive atmospheres

Notes

- Including two pairs of shear pins $\varnothing 55_{g6}$
- Including lifting rings
- **Fixation:**
6 screws M 42, class 10.9 with tightening torque 4 100 Nm $\pm 5\%$ μ 0,10 (not supplied)
- 3D models available on request

Technical Data

Braking force*	400 kN
Braking torque**	400 kN x Rf
Disc diameter	min. 1 000 mm
Friction radius	Rf [mm] = ($\varnothing$ D/2) - 130 mm
Total gap between pads and disc (nominal value)	4 mm
Response time	0,4 s
Oil pressure	min. 200 bar max. 230 bar
Oil volume	max. 270 cm ³
Min. disc thickness E	30 mm
Weight	650 kg

*Braking force loss at 1 mm pad wear: 4%

** Braking torque increases by up to 12% in dynamic mode

Germany**RINGSPANN GmbH**

Schaberweg 30 - 38, 61348 Bad Homburg, Germany
+49 6172 2750
info@ringspann.de • www.ringspann.de

RINGSPANN RCS GmbH

Hans-Mess-Straße 7, 61440 Oberursel, Germany
+49 6172 67 68 50
info@ringspann-rcs.de • www.ringspann-rcs.de

France**SIAM - RINGSPANN S.A.**

23 rue Saint-Simon, 69009 Lyon, France
+33 478 83 59 01
info@siam-ringspann.fr • www.ringspann.fr

Great Britain, Ireland**RINGSPANN (U.K.) LTD.**

3, Napier Road, Bedford MK41 0QS, Great Britain
+44 1234 34 25 11
info@ringspann.co.uk • www.ringspann.co.uk

Italy**RINGSPANN Italia S.r.l.**

Via A.D. Sacharov, 13, 20812 Limbiate (MB), Italy
+39 02 93 57 12 97
info@ringspann.it • www.ringspann.it

Netherlands, Belgium, Luxembourg**RINGSPANN Benelux B.V.**

Nieuwenkampsmaten 6-15, 7472 DE Goor,
Netherlands • +31 547 26 13 55
info@ringspann.nl • www.ringspann.nl

Austria, Hungary, Slovenia**RINGSPANN Austria GmbH**

Triesterstraße 21, 2620 Neunkirchen, Austria
+43 26 35 62 46
info@ringspann.at • www.ringspann.at

Poland

Radius-Radpol Wiecheć Sp.J.

ul. Kolejowa 16 b, 60-185 Skórzewo, Poland
+48 61 814 39 28 • info@radius-radpol.com.pl
www.radius-radpol.com.pl

Romania, Bulgaria, Moldova

S.C. Industrial Seals and Rolls S.R.L.

Str. Depozitelor, No. 29, 110078 Pitesti, Romania
+40 0751 22 82 28
mihai@isar.com.ro • www.isar.com.ro

Russia, Belarus, Kazakhstan

RINGSPANN Office

Pod'jermnaja Street 12, Building 1, Floor 4,
Office 426, 109052 Moscow, Russia
+7 495 911 86 48
Denis.Kalashnikov@ringspann.com
www.ringspann.com.ru

Sweden, Finland, Denmark,**Norway, Baltic states****RINGSPANN Nordic AB**

Industrigatan 7, 61933 Trosa, Sweden
+46 156 190 98
info@ringspann.se • www.ringspann.se

Switzerland**RINGSPANN AG**

Sumpfstrasse 7, P.O. Box 3320, 6303 Zug,
Switzerland • +41 41 748 09 00
info@ringspann.ch • www.ringspann.ch

Spain, Portugal**RINGSPANN IBERICA S.A.**

C/Uzbina, 24-Nave E1, 01015 Vitoria, Spain
+34 945 22 77 50
info@ringspann.es • www.ringspann.es

Czech Republic, Slovakia

Ing. Petr Schejbal

Mezivří 1444/27, 14700 Prag, Czech Republic
+420 222 96 90 22
Petr.Schejbal@ringspann.cz • www.ringspann.com

Ukraine

"START-UP" LLC.

Saltivske Hwy, 43, letter G-3, office 101,
Kharkiv 61038, Ukraine • +38 057 717 03 04
start-up@start-up.kh.ua • www.start-up.kh.ua

Asia

Australia, New Zealand**RINGSPANN Australia Pty Ltd**

Unit 5, 13A Elite Way, Carrum Downs Vic 3201,
Australia • +61 3 9069 0566
info@ringspann.com.au • www.ringspann.com.au

China, Taiwan**RINGSPANN Power Transmission (Tianjin) Co., Ltd.**

No. 21 Gaoyan Rd., Binhai Science and Technology
Park, Binhai Hi-Tech Industrial, Development Area,
Tianjin, 300458, P.R. China • +86 22 5980 31 60
info.cn@ringspann.cn • www.ringspann.cn

India, Bangladesh, Nepal**RINGSPANN Power Transmission India Pvt. Ltd.**

GAT No: 679/2/1, Village Kuruli, Taluka Khed, Chakan-
Alandi Road, Pune - 410501, Maharashtra, India
+91 21 35 67 75 00 • info@ringspann-india.com
www.ringspann-india.com

Singapore, ASEAN**RINGSPANN Singapore Pte. Ltd.**

143 Cecil Street, #17-03 GB Building,
Singapore 069542 • +65 9633 6692
info@ringspann.sg • www.ringspann.sg

South Korea**RINGSPANN Korea Ltd.**

Chungnam Cheonan-si Dongnam-gu
Mokcheon-eup Samsung 1 Ghil 15-12,
31226, South Korea • +82 10 54961 368
info@ringspann.kr • www.ringspann.kr

America

Brazil

Antares Acoplamentos Ltda.

Rua Evaristo de Antoni, 1222, Caxias do Sul, RS,
CEP 95041-000, Brazil • +55 54 32 18 68 00
vendas@antaresacoplamentos.com.br
www.antaresacoplamentos.com.br

USA, Canada, Mexico, Chile, Peru**RINGSPANN Corporation**

10550 Anderson Place, Franklin Park, IL 60131, USA
+1 847 678 35 81
info@ringspanncorp.com • www.ringspanncorp.com

Africa and Middle East

Egypt

Shofree Trading Co.

218 Emtedad Ramsis 2, 2775 Nasr City, Cairo, Egypt
+20 2 2081 2057
info@shofree.com • www.ringspann.com

Israel

G.G. Yarom Rolling and Conveying Ltd.

6, Hamaktesh Str., 58810 Holon, Israel
+972 3 557 01 15
noam_a@gg.co.il • www.ringspann.com

South Africa, Sub-Saharan**RINGSPANN South Africa (Pty) Ltd.**

96 Plane Road Spartan, Kempton Park,
P.O. Box 8111 Edenglen 1613, South Africa
+27 11 394 18 30
info@ringspann.co.za • www.ringspann.co.za

Iran

Persia Robot Machine Co. Ltd.

4th Floor, No 71, Mansour St, Motahari Avenue,
Tehran 15957, Iran • +98 21 88 70 91 58-62
info@persiarobot.com • www.ringspann.com

Maghreb, West Africa**SIAM - RINGSPANN S.A.**

23 rue Saint-Simon, 69009 Lyon, France
+33 478 83 59 01
info@siam-ringspann.fr • www.ringspann.fr