

Condition Monitoring for Housing Freewheels

Prevention • Reaction • Analysis



We present the
 "Condition Monitoring for Housing Freewheels"

- consisting of:
- Vibration sensor
 - Speed sensor input shaft
 - Speed sensor output shaft
 - Temperature sensor
 - Diagnostic electronic

All sensor information can be retrieved via an Ethernet interface.
 Suitable for all Housing Freewheels of the RINGSPANN series FH, FHD and FHHS.



We will help you
 All information can be sent directly to RINGSPANN for analysis and remote maintenance.

Reaction

- Safe shutdown in case of acute damage or incidents
- Avoidance of consequential damages
- Reduce repair costs

Prevention

- Condition monitoring of the bearings (Remaining time prognosis)
- Ability to schedule maintenance
- Increased plant availability

Analysis

- Cause analysis and weak point analysis
- Process optimisation
- Evidence for warranty
- Verifiability of repairs

Speed sensor input shaft

Vibration sensor for monitoring of bearing and unbalance

Speed sensor output shaft

Heater for low temperature use (optional)

Temperature sensor oil temperature

Housing Freewheels

Housing Freewheels of the RINGSPANN series FH, FHD and FHHS are used as Overrunning Clutches at high speeds, which are the same or similar in freewheeling operation and in driving operation.

Due to the hydrodynamic roller lift-off, the housing freewheels are used when a unit is optionally driven by two or more motors or turbines at the same or similar high speed. They allow a continuous plant operation in the event that one of the energy sources or a drive line fails as well as energy saving in the case of partial load operation.

Housing Freewheels are completely enclosed freewheels for stationary arrangement with input and output shaft.



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 4 78 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 342511
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.

Nieuwenkampsmeden 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 2635 62446
info@ringspann.at • www.ringspann.at

Poland

Radius-Radpol Wiecheć Sp.J.

Ul. Pasjonatów 3, 62-070 Dąbrowa, 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
+4 0751 228228
mihai@isar.com.ro • www.isar.com.ro

Sweden, Finland, Denmark,

Norway, Baltic states

RINGSPANN Nordic AB

Flottiljgatan 69, 721 31 Västerås, Sweden
+46 156 190 98
info@ringspann.se • www.ringspann.se

Switzerland

RINGSPANN AG

Sumpfstrasse 7, P.O. Box, 6303 Zug,
Switzerland • +41 41 748 0900
info@ringspann.ch • www.ringspann.ch

Spain, Portugal

RINGSPANN IBERICA S.A.

C/Uzbina, 24-Nave E1, 01015 Vitoria, Spain
+34 945 2277-50
info@ringspann.es • www.ringspann.es

Czech Republic, Slovakia

Ing. Petr Schejbal

Mezivřší 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.

33 Gojae-17 Ghil Dongnam-gu, 31187 Cheonan-si
Chungnam, 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

Chile, Peru, Colombia, Ecuador

RINGSPANN Sudamérica SpA

Miraflores 222, Piso 28-N, Santiago,
Región Metropolitana, Chile • +56 9 8414 4078
info@ringspannsudamerica.com
www.ringspannsudamerica.com

USA, Canada, Mexico

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 20 81 20 57
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 887091 58-62
info@persiarobot.com • www.ringspann.com

Maghreb, West Africa

SIAM - RINGSPANN S.A.

23 rue Saint-Simon, 69009 Lyon, France
+33 4 78 83 59 01
info@siam-ringspann.fr • www.ringspann.fr