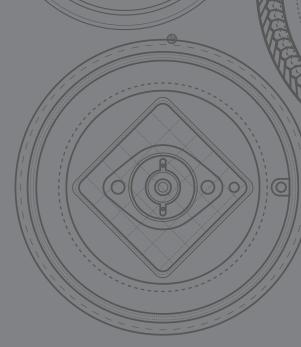






MECHANICAL SEALS LATTYSealis





Designer of industrial sealing solutions



95 years of experience in sealing solutions

GROUPE LATTY® is present in the following sectors...

- ENERGY

and offers:

FORMATION LABORATORY R&D





A well-trained employee is more skilful and efficient!

Training modules are more specifically dedicated to the selection of sealing solutions for industrial equipments.

Oriented towards the implementation and good mounting practices, guarantee of security for your teams and the reliability of your equipment.

Each year many multilingual training, either in our plant or at customer centers are organized on:

- Rotary units

APPROVALS

We are approved training organization.

GROUPE LATTY® invests an average of 5% of its annual turnover in Research and Development for new products and processes. The company has a test laboratory at its factory enabling it to test its products in optimum use conditions, including its clients' own equipment.

Research is essentially based on the

- to use simple, efficient equipment,

For several years, **GROUPE LATTY**® has invested in its own test laboratories, installed on over 500m2, with more than 15 test cells, equipped with precision measurement equipment:

• pressure: from vacuum to 650 bars

• temperature: from -200°C to 650°C with the possibility to carry out thermal shocks

• speed: from 0 to 6000 rpm

• several helium mass spectrometers for leak measurement.

GROUPE LATTY® is a member of the Fluid Sealing Association (FSA) and the European Sealing Association (ESA)

Our different ranges of mechanicals seals comply with the following certifications, directives and standards:











MECHANICAL SEALS LATTYsealis

The simple, robust solution aimed at difficult applications.

LATTY sealis mechanical seals are balanced single-effect seals with quench option. This mechanical seal is specially designed **to ensure optimum sealing even with difficult products** such as alumina, phosphate, abrasive, adhesive, crystallising or corrosive products.

The feature of **LATTY sealis** mechanical seals is the membrane which is made up of a steel core covered with elastomer. This covering provides chemical and mechanical abrasion protection.

ADVANTAGES

- Simple, robust solution
- · No flush or external lubrication required
- Easy to assemble
- Surface covering (protection against abrasion) on the parts in contact with the product to be sealed
- Independent of the direction of rotation
- Existing cartridge and quench versions ready for assembly
- No surface blocking due to adhesion of semi-dynamic O-ring

TYPES OF INDUSTRIES

- Mines, quarries
- Paper mills
- Sugar factories
- Cosmetic
- Water treatment
- Paint

EQUIPMENT

- Centrifugal pumps
- Kneaders
- Mixers
- Agitators

OPERATING PARAMETERS (not associated)

Available diameters: from 20 to 180 mm

• Pressure: < 20 bars (2 MPa)

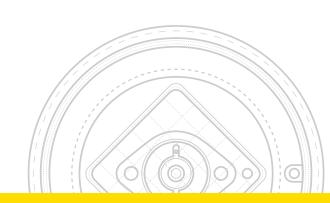
 \bullet Temperatures : from -30 to +200 °C (from -22 to +392 °F)

• Speed: < 20 m/s



MATERIALS

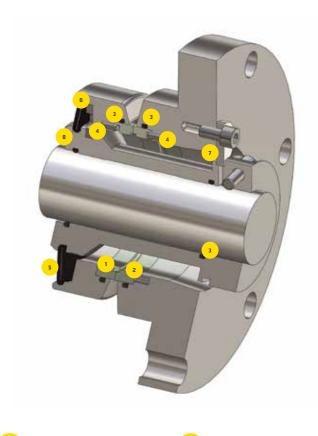
- Fixed part: Tungsten carbide, nickel binder (U2), possible option: Silicon carbide (U6)
- Rotary face: Tungsten carbide, nickel binder (U2), possible option: Silicon carbide (U6)
- Secondary sealant: HNBR/FKM/EPDM/FFKM
- Metallurgy of parts: 304 (1.4301) or 316 (1.4401)
 Support in 316 L (1.4404) with option of chromium carbide covering to preserve against abrasion or erosion, including of the sleeve.



DETAILED DESCRIPTION - LATTYsealis

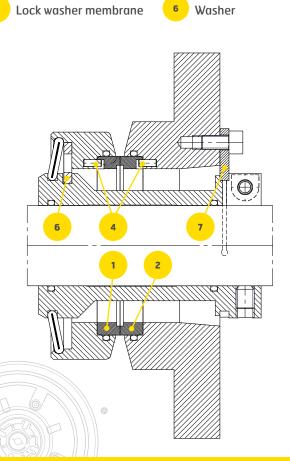


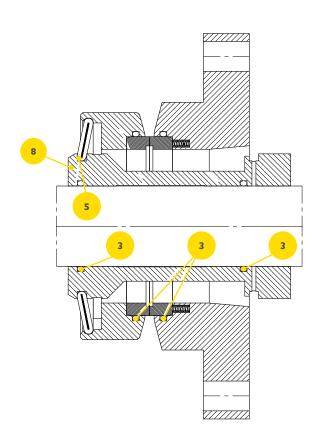






- Rotary face
- Stationary face
- 3 O-rings
- Setting clamps
- Pins
- Shaft sleeve



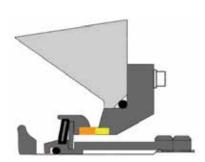




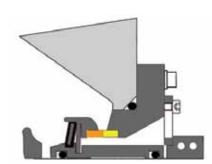
SCREWED VERSION

TIGHTENED VERSION

OUENCH VERSION



The sleeve is screwed to the end of the equipment shaft, enabling precise adjustment of the spring force. The contact pressure between the friction surfaces is achieved by this adjustment.



Factory pre-adjusted cartridge assembly, ready to install on the equipment. Due to the lack of drive screws, this tightened version mounted on a smooth shaft will not damage your equipment.



Cleans and evacuates any atmosphere side deposits by circulation of another pressure-free fluid coming from an external source.



Do not throw away your mechanical seals, save money by repairing them!

Thanks to our specialist centres for reconditioning mechanical seals.

GROUPE LATTY® has a network of service, repair and reconditioning centres for all of your mechanical seals, cartridge boxes, etc. in France and through its export subsidiaries.

Our service centres are specifically equipped to respond rapidly to your expectations to:

- Advise you on how to make your seals more reliable
- Appraise your equipment
- Adapt your equipment to the lastest technological and environmental developments
- Provide free, detailed, personalised quotes for the various reconditioning operations
- \bullet Prolong the life of your equipment through retrofitting
- Carry out training with our teaching instrument benches, on client's site or at our premises.



LATTY® Services Centers



LATTY INTERNATIONAL S.A. 57 bis, rue de Versailles 91400 ORSAY - FRANCE Tel. +33 (0)1 69 86 11 12 sales-marketing@latty.com

LATTY ARGENTINA S.A.*
Nuestra Sra. de la Merced 5334
(1678) CASEROS PCIA. DE BS. AS.
ARGENTINA
Tel. +54 (11) 4734 8481
ventas@latty.com.ar

LATTY BELGIUM S.A./N.V. Chaussée de Namur 92 bte 07 1300 WAVRE - BELGIUM Tel. +32 (0)10 24 62 08 info@latty.be

LATTY DICHTUNGSTECHNIK A.G. *
Henzmannstrasse 39
4800 ZOFINGEN - SWITZERLAND
Tel. +41 (0)62 752 20 84
latty@Bluewin.ch

LATTY IBERICA S.L.ESTANQUEIDAD Pedro IV, 29-35, 4° 6° 08018 BARCELONA - SPAIN Tel. +34 (93) 356 99 90 latty@latty.es LATTY INTERNATIONAL Ltd Westfield Road – RETFORD Notts, DN22 7BT – ENGLAND Tel. +44 (0)1 777 708836 sales@latty.co.uk

LATTY MAROC TECHNISEALS S.A.R.L. 51, rue Hadj Ahmed Balafrej – B.P. 3167
20290 CASABLANCA – MOROCCO
Tel. +212 (0)5 22 24 80 90
lattymaroc@menara.ma

LATTY 2RS GmbH *
Im Auel 22
D-53783 - EITORF
GERMANY
Tel. +49 (0)2243 / 84658-0
latty2rs@latty.de

LATTY SOUTH AFRICA Ltd *
108 Billingham Rd, Founders View South
Modderfontein, Edenvale, 1610
SOUTH AFRICA
Tel. +27 (0)11 452 9755
support@latty.co.za

LATTY Seal Services Service center for mechanical seals repair and repackaging

LATTY MECASEAL 2, impasse du Crachet Zone Artisanale 59193 ERQUINGHEM - LYS FRANCE Tel. +33 (0)3 20 77 12 89 lattyseal.service@latty.com

LATTY MECANETANCHE
174, rue des Saules
Z.I. Le Chapelier
38110 SAINT-JEAN DE SOUDAIN
FRANCE
Tel. +33 (0)4 74 97 01 09
lattyseal.service@latty.com



Mechanical Seals LATTYsealis

*Subsidiaries with workshop for mechanical seals repair and repackaging.

INTERNATIONAL S.A.

PLANT 1, rue Xavier Latty - F-28160 BROU, FRANCE Tel. +33 (0)2 37 44 77 77. Fax. +33 (0)2 37 44 77 99 customerservice@latty.com

