



HEAVY INDUSTRY SEALING TECHNOLOGY



THE TRADITION OF HIGHEST QUALITY

DICHTA designs, produces and distributes shaft seals and other sealing products with highest quality standards using advanced manufacturing techniques and approved quality systems.

Building on 30 years experience, the DICHTA GROUP has developed to a true world class supplier, serving clients on all continents through offices in Switzerland and Italy, with modern production facilities in Italy and the Far-East.

DICHTA manufactures products in accordance to the ISO 9001:2008 system ensuring to supply continuous high quality with full batch traceability, encoded in a barcode system. In addition, the newly obtained ISO 14001:2004 certification ensures our attention to the latest rules in terms of respect to the environment.

Through its in-house design team, the company is capable to produce bespoke solutions with realistic lead times at competitive condition.

A worldwide distributor network backed by highly qualified personnel, ensures that our customers receive a fast and reliable service to solve even their most demanding requirements.

Moreover, the recently new built Headquarter is hosting a large modern warehouse with a wide range of items which availability is published online and updated every 24 hours.





High Temperature Treatment Systems



Paper Industry



Cement Factory



Cellulose Processing Plant



Steel Plant



Hot Rolling Mill

HEAVY INDUSTRY

This is the sector of industry transforming and processing natural resources, such as steel, minerals, cement and paper into primary products.

These sectors have also allowed the expansion and the development of many countries, and therefore Dichta has a worldwide distribution network.

Safety and reliability are the main features of the sealing technology used in hydraulic devices and rotary systems.

IRON AND STEEL INDUSTRY:

- Hot and cold rolling mills
- Continuous casting steel mills
- Plants and presses for steel forging
- Plants and presses for extruding metals
- Oil-dynamic interlocking devices
- Hydraulic actuators
- Moving rollers
- Thermal treatment plants

CEMENT MILLS:

- Hydraulic plants for extraction and crushing of raw materials
- Hydraulic plants and rotary systems used for processing and thermic treatment of clinker
- Specific plants and rotary systems such as crushers, mills, tubular kilns, etc.....
- Hydraulic interlocking plants

PAPER MILLS:

- Plants and rotary systems for pulp mechanical processing
- Hydraulic plants and rotary systems for continuous pressing
- Hydraulic plants and rotary systems for calendering and drying process

HYDRAULIC DEVICES IN GENERAL:

- Rotary hydraulic cylinders
- Hydraulic plunger cylinders
- Telescopic cylinders
- Actuators
- Hydraulic caps
- Hydraulic cylinders for moulding presses
- Hydraulic cylinders for extrusion presses
- Hydraulic cylinders for forging presses

ROTARY SYSTEMS IN GENERAL:

- Lamination rollers
- Speed reducers
- Devices for the protection of bearings
- Devices for the protection of bushes or guide strips
- Supporting devices for grinding cylinders and rollers
- Supporting devices for rotary machines






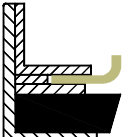




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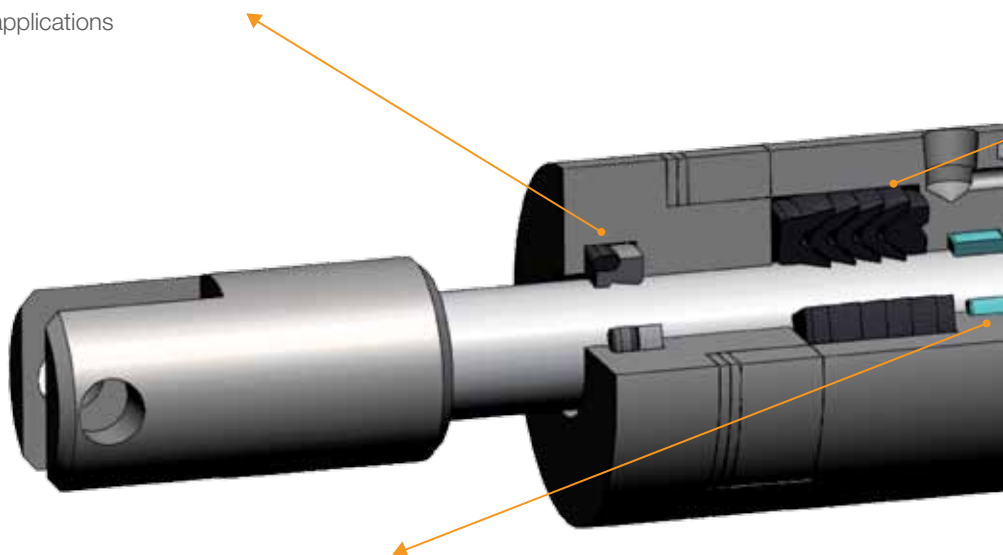
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HYDRAULIC CYLINDER


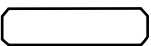




WIPERS

| | WIPERS | | | |
|-----|---|---|--|---|
| STD |  |  |  |  |
| | DP6 | DAS | DP9 | CPPT1 |
| HD |  |  |  |  |
| | CPPT2 | WM | CPWTFA | CPWTFB |

STD: standard applications - HD: heavy duty applications





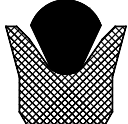











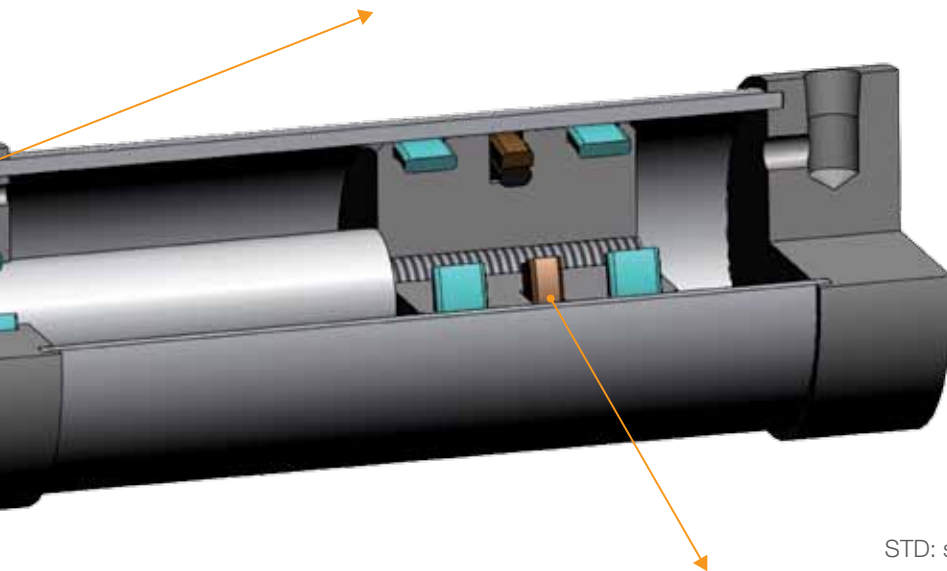
GUIDE STRIPS

| | GUIDE STRIPS | | |
|-----|---|---|---|
| STD |  |  |  |
| | FGI6 – FGE6 | FGI0 – FGE0 | FGI4 – FGE4 |
| HD |  |  |  |
| | FGI5 - FGE5 | FGI1 – FGE1 | FGI7 – FGE7 |

HYDRAULIC CYLINDER






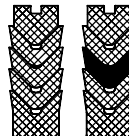


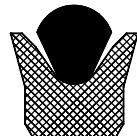
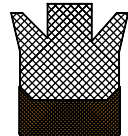





ROD SEALS

| | ROD SEALS | | | | | | |
|-----|---|---|---|---|---|---|---|
| STD |  |  |  |  |  |  |  |
| | IGR/A | IGR/B | TEOL 1 | TEOL 1/B | TEOL 2 | TG | TO |
| HD |  |  |  |  |  |  |  |
| | IGR/A/P | IGR/B/P | IGR/AW | IGR/BW | TG 40 | W | BL PACKING |






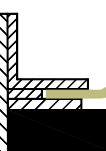





STD: standard applications - HD: heavy duty applications





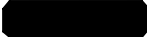

PISTON SEALS

| | PISTON SEALS | | | | |
|-----|---|---|---|---|---|
| STD |  |  |  |  |  |
| | EGR/A | EGR/B | G26 | DGB | DSM |
| |  |  |  |  |  |
| | TG-TO | TG3 | JWT | TEOL 2 | TEOL 8 |
| HD |  |  |  |  |  |
| | EGR/A/P | EGR/B/P | EGR/AW | EGR/BW | W |

WIPERS










| Item code | Profile | Dim. range [mm] | Materials | S [m/s] | T [°C] | Applications |
|---------------|---|--------------------|--|-------------------------|---|---|
| DP6 |  | 8 ÷ 900 | NBR FPM PTFE PTFE + glass PU | 2 2 5 5 0,5 | -30 ÷ 120 -10 ÷ 200 -200 ÷ 260 -200 ÷ 260 -30 ÷ 105 | <ul style="list-style-type: none"> Hydraulic cylinders Presses Mobile hydraulics Tooling machines |
| DAS |  | 8 ÷ 320 | NBR PU FPM Metal part: Carbon steel | 2 0,5 | -30 ÷ 120 -10 ÷ 200 | <ul style="list-style-type: none"> Earth moving machines Presses Mobile hydraulics Tooling machines |
| DP9 |  | 250 ÷ 1800 | NBR FPM | 1 1 | -30 ÷ 120 -10 ÷ 200 | <ul style="list-style-type: none"> Hydraulic cylinders Injection moulding presses Forging presses Extruding presses Heavy duty applications |
| CPPT1 |  | 25 ÷ 1200 | PTFE + bronze PTFE + glass + MoS ₂ O-ring: NBR FPM | 5 | -30 ÷ 120 -10 ÷ 200 | <ul style="list-style-type: none"> Hydraulic cylinders Injection moulding presses Forging presses Extruding presses Heavy duty applications |
| CPPT2 |  | 200 ÷ 1200 | PTFE + bronze O-ring: NBR FPM | 5 | -30 ÷ 120 -10 ÷ 200 | <ul style="list-style-type: none"> Hydraulic cylinders Injection moulding presses Forging presses Extruding presses Heavy duty applications |
| WM |  | 25 ÷ 400 | Metal case: carbon steel First lip: brass Second lip: FPM | 1 | -10 ÷ 120 | <ul style="list-style-type: none"> Hydraulic cylinders Injection moulding presses Forging presses Extruding presses Heavy duty applications |
| CPWTFA |  | 10 ÷ 500 | PTFE + bronze PTFE + glass + MoS ₂ O-ring: NBR FPM | 5 | -30 ÷ 120 -10 ÷ 200 | <ul style="list-style-type: none"> Steel mill plants Injection moulding presses Forging presses Extruding presses Hydraulic cylinders Tooling machines Earth moving machines |
| CPWTFB |  | 10 ÷ 1200 | PTFE + bronze PTFE + glass + MoS ₂ O-ring: NBR FPM | 5 | -30 ÷ 120 -10 ÷ 200 | <ul style="list-style-type: none"> Steel mill plants Injection moulding presses Forging presses Extruding presses Hydraulic cylinders Tooling machines Earth moving machines |
| LINEAR WIPERS |  | Supplied in strips | NBR Metal | | -30 ÷ 120 | <ul style="list-style-type: none"> Tooling machines |

GUIDE STRIPS

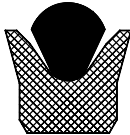





| Item code | Profile | Dim. range [mm] | Materials | Metal contact | Applications |
|----------------------|---|--------------------|-------------------------|---|--|
| FGI5 FGE5 |  | Tapes up to 700 mm | Phenolic resin + cotton | <ul style="list-style-type: none"> • Steel • Steel, hardchromed • Casted iron • Stainless stell | <ul style="list-style-type: none"> • Mobile hydraulics • Standard cylinders • Presses |
| FGI1 FGE1 |  | Tapes up to 700 mm | PTFE + bronze | <ul style="list-style-type: none"> • Steel • Steel, hardchromed • Casted iron | <ul style="list-style-type: none"> • Mobile hydraulics • Standard cylinders • Tooling machines • Injection moulding presses |
| FGI7 FGE7 |  | Max 1500 mm | C380 | <ul style="list-style-type: none"> • Steel • Steel, hardchromed • Casted iron • Stainless stell | <ul style="list-style-type: none"> • Mobile hydraulics • Standard cylinders • Water hydraulics • Ship engineering • Presses |
| FGI4 FGE4 |  | Tapes up to 700 mm | PTFE + carbon | <ul style="list-style-type: none"> • Mild steel • Stainless stell • Aluminium, Bronze | <ul style="list-style-type: none"> • Mobile hydraulics • Standard cylinders • Tooling machines • Injection moulding presses |
| FGI6 FGE6 |  | 15 ÷ 300 mm | POM + glass | <ul style="list-style-type: none"> • Steel • Steel, hardchromed • Casted iron | <ul style="list-style-type: none"> • Mobile hydraulics • Standard cylinders |
| FGI0 FGE0 |  | 15 ÷ 1200 mm | PTFE | <ul style="list-style-type: none"> • Steel • Steel, hardchromed • Casted iron | <ul style="list-style-type: none"> • Mobile hydraulics • Standard cylinders |











ROD SEALS

| Item code | Profile | Materials | | P [bar] | S [m/s] | T [°C] | Applications |
|----------------|---|--|--|---------------------------------|------------|------------------------|--|
| IGR/A |  | Seal ring | PTFE + bronze PTFE + carbon PTFE + graphite PTFE + glass PTFE + glass MoS ₂ | 400 400 250 250 400 | 5 | -30 ÷ 120 -10 ÷ 200 | <ul style="list-style-type: none"> • Steel mills • Shipbuilding • Civil engineering • Injection moulding machines • Presses • Earth moving machines • Valves for hydraulic and pneumatic circuits |
| IGR/B |  | | NBR 70 FPM 70 | | | | |
| IGR/A/P |  | Seal ring | PTFE + bronze PTFE + glass MoS ₂ | 600 | 5 | -30 ÷ 120 -10 ÷ 200 | <ul style="list-style-type: none"> • Cylinders for special applications • Heavy industry |
| | | O-ring | NBR 70 FPM 70 | | | | |
| IGR/B/P |  | Back-up ring | High performance thermoplastic material | | | | |
| IGR/AW |  | Seal ring | PTFE + glass MoS ₂ PTFE + carbon | 300 400 | 5 | -30 ÷ 120 | <ul style="list-style-type: none"> • Injection moulding machines • Steel plants • Marine hydraulic systems • Steel mills • Moulding presses • Manipulator |
| IGR/BW |  | Energizing ring | NBR 80 | | | | |
| TEOL/1 |  | Seal ring Thrust ring Back-up ring | NBR + fabric FPM + fabric | 200 | 0,5 | -30 ÷ 120 -10 ÷ 200 | <ul style="list-style-type: none"> • Injection moulding machines • Steel plants • Marine hydraulic systems • Steel mills • Moulding presses • Manipulators |
| |  | | NBR 70 FPM 70 | | | | |
| | ../A | | PA6 Nylon PTFE | | | | |
| |  | | | | | | |
| | ../B | | | | | | |





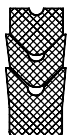

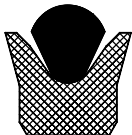
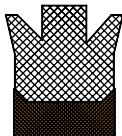
ROD SEALS

| Item code | Profile | Materials | | P [BAR] | S [m/s] | T [°C] | Applications |
|------------|--|---|------------------------------|------------|------------|-------------------------------------|--|
| TEOL/2 |  | Seal ring | NBR + fabric FPM + fabric | 200 | 0,5 | -30 ÷ 120 -10 ÷ 200 | <ul style="list-style-type: none">• Hydraulic cylinders• Presses• Mobile hydraulics• Tooling machines |
| | | Energizing ring | NBR 70 FPM 70 | | | | |
| TO - TG |  TO endless | NBR + fabric FPM + fabric HNBR + fabric | | 400 | 0,5 | -30 ÷ 120 -10 ÷ 200 -30 ÷ 150 | <ul style="list-style-type: none">• Hydraulic cylinders• Injection moulding presses• Forging presses• Extruding presses |
| |  TG endless or split | Intermediate rings in NBR 70 Intermediate rings in FPM 70 Intermediate rings in HNBR 70 | | | | | |
| W |  | NBR + fabric FPM + fabric | | 600 | 0,5 | -30 ÷ 120 -10 ÷ 200 | <ul style="list-style-type: none">• Hydraulic cylinders• Injection moulding presses• Forging presses• Extruding presses• Heavy duty applications |
| TG 40 |  | NBR + fabric FPM + fabric | | 300 | 0,5 | -30 ÷ 120 -10 ÷ 200 | <ul style="list-style-type: none">• Hydraulic cylinders• Presses• Mobile hydraulics• Tooling machines |
| BL PACKING |  | NBR + fabric | | 600 | 0,5 | -30 ÷ 120 | <ul style="list-style-type: none">• Hydraulic cylinders• Injection moulding presses• Forging presses• Extruding presses• Heavy duty applications |

PISTON SEALS



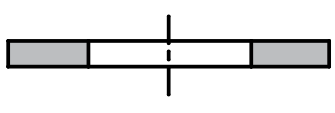
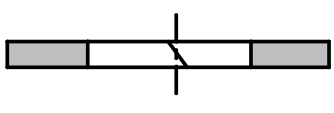
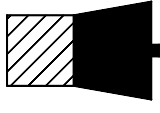

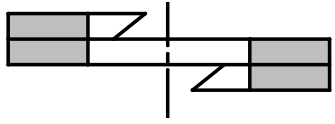
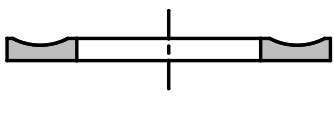
| Item code | Profile | Materials | | P [bar] | S [m/s] | T [°C] | Applications |
|----------------|---|--|--|---------------------------------|------------|------------------------|---|
| EGR/A |  | Seal ring | PTFE + bronze PTFE + carbon PTFE + graphite PTFE + glass PTFE + glass MoS ₂ | 400 400 250 250 400 | 5 | | <ul style="list-style-type: none"> • Steel mills plants • Injection moulding presses • forging presses • Extruding presses • Hydraulic cylinders • Tooling machines • Earth moving machines • Valves for hydraulic and pneumatic circuits |
| EGR/B |  | O-ring | NBR 70 FPM 70 | | | | |
| EGR/A/P |  | Seal ring | PTFE + bronze PTFE + glass MoS ₂ | 600 | 5 | -30 ÷ 120 -10 ÷ 200 | <ul style="list-style-type: none"> • Cylinders for special applications • Heavy industry |
| EGR/B/P |  | Back-up ring | High performance thermoplastic material | | | | |
| EGR/AW |  | Seal ring | PTFE + glass MoS ₂ PTFE + carbon | 300 400 | 5 | -30 ÷ 120 | <ul style="list-style-type: none"> • Hydraulic cylinders for special applications • Heavy industry |
| EGR/BW |  | Energizing ring | NBR 80 | | | | |
| G26 |  | Seal ring Back-up ring | NBR + fabric/NBR POM | 300 | 0,5 | -30 ÷ 120 | <ul style="list-style-type: none"> • Hydraulic cylinders for special applications • Heavy industry |
| DSM |  | Seal ring Supporting ring Back-up ring | NBR NBR + fabric POM | 700 | 0,5 | -30 ÷ 120 | <ul style="list-style-type: none"> • Hydraulic cylinders • Injection moulding presses • Forging presses • Extruding presses • Heavy duty applications |

PISTON SEALS

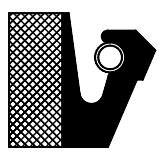
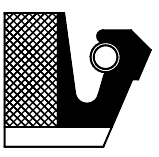
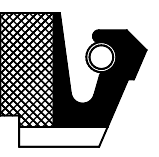
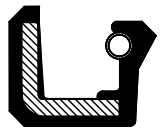
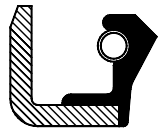


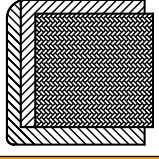
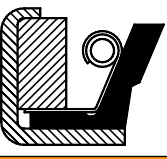
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|-----------|--|--|-----------------------------|---------|---------|-------------------------------------|--|
| DGB |  | Seal ring | NBR | 350 | 0,5 | -30 ÷ 120 | <ul style="list-style-type: none">• Oil dynamic plants• Plunger cylinders |
| | | Supporting ring | NBR + fabric | | | | |
| | | Back-up ring | POM | | | | |
| TO - TG |  TO endless | NBR + fabric FPM + fabric | | 400 | 0,5 | -30 ÷ 120 -10 ÷ 200 | <ul style="list-style-type: none">• Hydraulic cylinders• Injection moulding presses• Forging presses• Extruding presses |
| |  TG endless or split | Intermediate rings in NBR 70 Intermediate rings in FPM 70 | | | | | |
| W |  | NBR + fabric | | 600 | 0,5 | -30 ÷ 120 | <ul style="list-style-type: none">• Hydraulic cylinders• Injection moulding presses• Forging presses• Extruding presses• Heavy duty applications |
| TG3 |  | NBR + fabric FPM + fabric HNBR + fabric | | 400 | 0,5 | -30 ÷ 120 -10 ÷ 200 -30 ÷ 150 | <ul style="list-style-type: none">• Hydraulic cylinders• Injection moulding presses• Forging presses• Extruding presses |
| JWT |  | U-ring | NBR + fabric | 340 | | -30 ÷ 120 | <ul style="list-style-type: none">• Hydraulic cylinders• Injection moulding presses• Forging presses• Extruding presses• Hydraulic valves |
| | | Head ring | Hard material nylon type | | | | |
| TEOL/2 |  | Seal ring (back) | FPM + fabric | 250 | 0,5 | -10 ÷ 120 | <ul style="list-style-type: none">• Hydraulic cylinders• Injection moulding presses• Forging presses• Extruding presses• Heavy duty applications |
| | | Energizing ring | NBR | | | | |
| TEOL/8 |  | NBR + fabric Hard NBR + fabric | | 400 | 0,5 | -30 ÷ 120 | <ul style="list-style-type: none">• Hydraulic cylinders• Injection moulding presses• Forging presses• Extruding presses• Heavy duty applications |

ROTARY MOVEMENTS





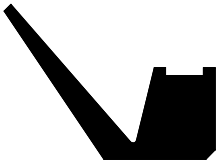
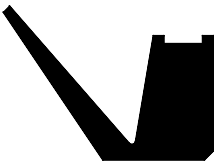


STATIC SEALS

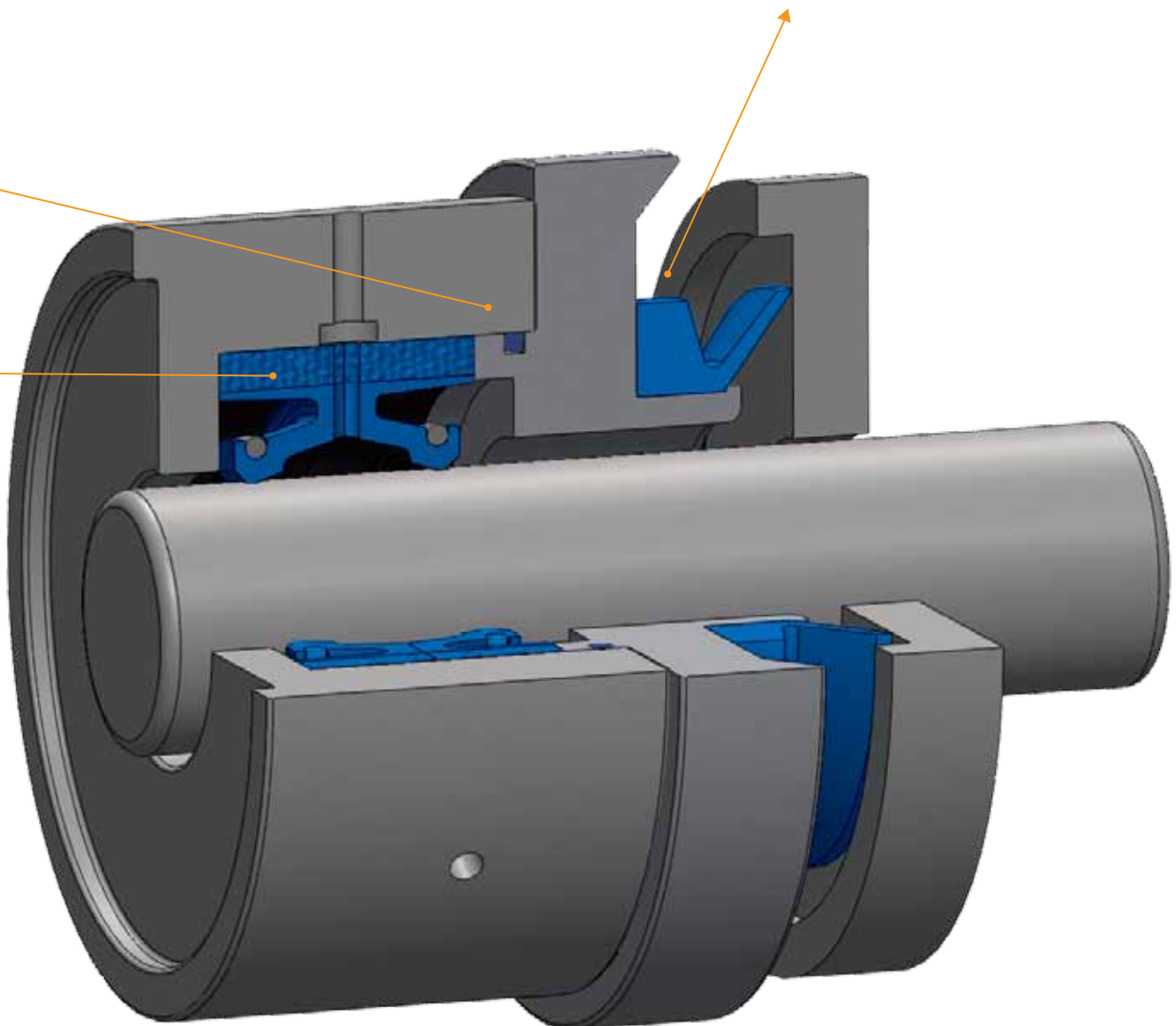
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|---|---|---|---|
|  |  |  |  |
| O-RINGS | X-RINGS | BKS - ENDLESS | BKC - SPLIT |
|  |  |  |  |
| BS | DIN7603 | BK - SPIRAL | PK |

ROTARY SHAFT SEALS

| | | |
|---|---|---|
|  |  |  |
| D5 | D6 | D7 |
|  |  |  |
| A | B | C |
|  |  |  |
| RGR/E - RGR/I | B2/TR | C64D |

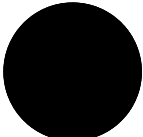
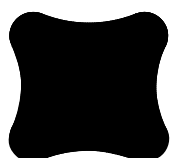
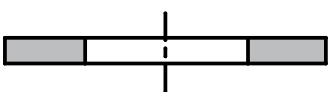
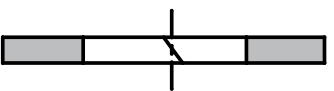
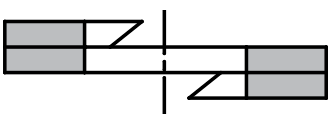
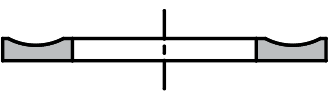
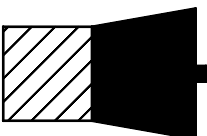

ROTARY MOVEMENTS

| FRONTSEALS® | | | |
|---|---|--|---|
|  |  |  |  |
| VA | VL | VAX | VS |
|  |  |  |  |
| VRME | VE | VRM | TF |



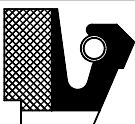

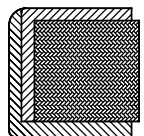


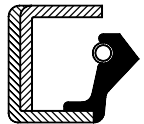



COLORS FOR DRAWING ONLY





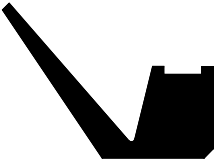



STATIC SEALS

| Item code | Profile | Materials | P [bar] | S [m/s] | T [°C] | Applications |
|------------------------|---|---|---------|---------|--|---|
| O-RINGS |  | NBR EPDM SIL HNBR FPM FFKM | 200 | 0,5 | -30 ÷ 120 -40 ÷ 150 -50 ÷ 230 -30 ÷ 160 -20 ÷ 230 -15 ÷ 315 | <ul style="list-style-type: none"> • Static or dynamic applications |
| X -RINGS |  | NBR FPM | 400 | 0,5 | -30 ÷ 120 -10 ÷ 200 | <ul style="list-style-type: none"> • Static or dynamic applications |
| BACK-UP RINGS |  BKS – endless | PTFE | 2500 | 0,5 | -50 ÷ 200 | <ul style="list-style-type: none"> • Injection moulding machines • Tooling machines • Forging presses • Extruding presses • Excavators • Agricultural machines • Valves for hydraulic circuits |
| |  BKC - split | PTFE + glass MoS ₂ | | | -50 ÷ 200 | |
| |  BK – spiral | PTFE + glass | | | -50 ÷ 200 | |
| |  PK | PTFE PTFE + carbon Special thermoplastic material NBR 90 Shore A | | | -30 ÷ 120 | |
| BS BONDED SEALS |  | NBR Carbon steel | 1000 | | -30 ÷ 120 | <ul style="list-style-type: none"> • Flanges • Plates • Engines • Valves • Cylinders |
| DIN 7603 |  | Copper Aluminium CAF asbestos free | | | | <ul style="list-style-type: none"> • Screw connection in engine blocks and cylinder heads, in all hydraulic plants |

RADIAL SEALS FOR ROTARY SHAFTS

| Item code | Profile | Materials | | P [bar] | S [m/s] | T [°C] | Applications |
|--------------------------|---|---|---|------------|----------------|---|---|
| D5 |  | NBR + fabric FPM + fabric HNBR + fabric | | 0,5 | 20 | Max 130 Max 220 Max 150 | <ul style="list-style-type: none"> Iron and steel plants Shipbuilding industry |
| D6 |  | NBR + fabric FPM + fabric HNBR + fabric | | 0,5 | 20 | Max 130 Max 220 Max 150 | <ul style="list-style-type: none"> Wind power applications Paper industry Hydropower industry |
| D7 |  | NBR + fabric FPM + fabric HNBR + fabric | | 0,5 | 20 | Max 130 Max 220 Max 150 | <ul style="list-style-type: none"> Mining industry Cement mills |
| R GR/E R GR/I |  | Seal ring | PTFE + glass + MoS ₂ PTFE + carbon PTFE + bronze | 0,5 | 20 | -30 ÷ 120 -10 ÷ 200 | <ul style="list-style-type: none"> Rotary distributors Pivoting motors Mobile hydraulics Tooling machines |
| | | O-ring | NBR FPM | | | | |
| B2/TR |  | Packing | Graphite fibre PTFE fibre + graphite Virgin PTFE fibre | 0,5 | 50 | Max 500 Max 280 Max 280 | <ul style="list-style-type: none"> Rotary applications in high temperature |
| | | Outside layer | Carbon steel AISI 304/316 | | | | |
| A |  | NBR + steel FPM + steel HNBR + steel NEO + steel SIL + steel ACM + steel EPDM + steel | | 0,5 | 20 | -30 ÷ 100 -10 ÷ 200 -30 ÷ 140 -40 ÷ 180 -50 ÷ 200 -10 ÷ 150 -45 ÷ 150 | <ul style="list-style-type: none"> General rotary applications |
| B |  | | | | | | |
| C |  | | | | | | |
| C64D |  | NBR + steel FPM + steel SIL + steel | | 0,5 | 25 35 35 | -20 ÷ 120 -10 ÷ 200 -60 ÷ 120 | <ul style="list-style-type: none"> Steel plants Heavy industry |

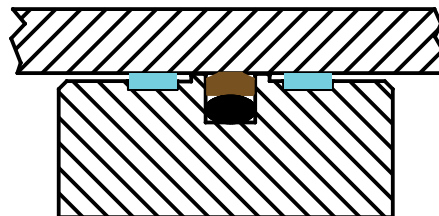
FRONTSEALS®

| Item code | Profile | Materials | P [bar] | T [°C] | Applications |
|-----------|---|--|---------|--|---|
| VA |  | NBR FPM HNBR NEO SIL EPDM | - | -30 ÷ 100 -30 ÷ 200 -30 ÷ 140 -40 ÷ 180 -50 ÷ 200 -45 ÷ 150 | <ul style="list-style-type: none"> On any rotary application to prevent dirt, dust, water or any other external contact media from penetrating |
| VS |  | | | | |
| VL |  | | | | |
| VRM |  | | | | |
| VRME |  | | | | |
| VAX |  | | | | |
| VE |  | | | | |
| TF |  | NBR + steel SIL + steel | | -30 ÷ 100 -50 ÷ 200 | <ul style="list-style-type: none"> Hydraulic systems |

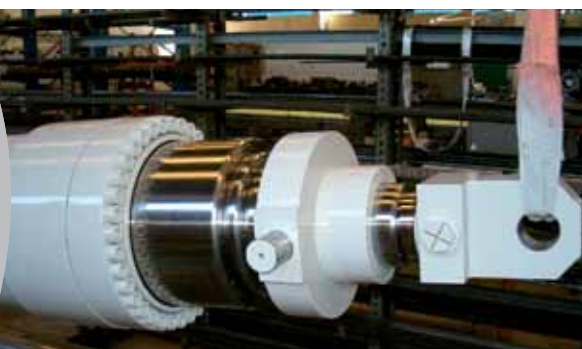
HYDRAULIC CYLINDER APPLICATIONS



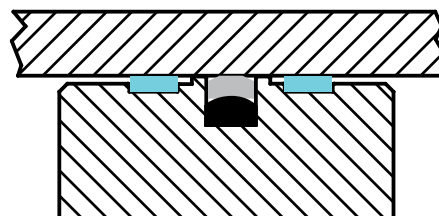
HOT LAMINATING STAND



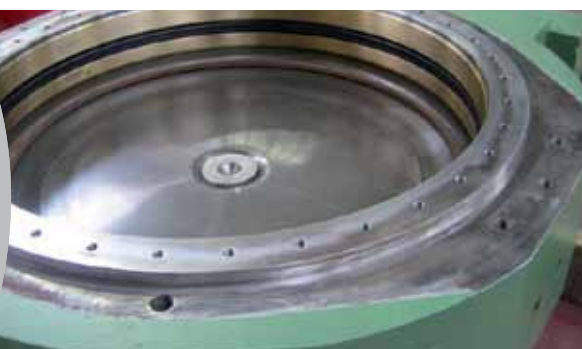
Piston seal consisting of:
guide strip type FGE7
gasket set type EGR /A with back-up ring in PTFE + bronze
and O-ring for applications on double-acting
cylinders with Max p=400bar, S=5m/s



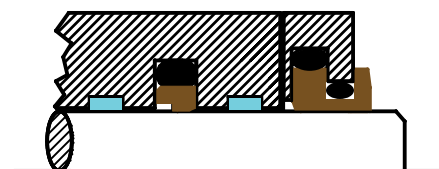
TELESCOPIC CYLINDER



Piston seal consisting of:
guide strip type FGE7 – gasket set type EGR/AW
with back-up ring in PTFE + glass + MoS₂ and energizing
ring for applications on double-acting cylinders
with Max p=300bar, S=5m/s



HYDRAULIC CAP



Rod seal consisting of:
guide strip type FG I7 primary seal with gasket set type IGR/B
with back-up ring in PTFE + bronze and O-ring
wiper type CPPT 2 in PTFE + bronze and O-ring
for applications in conditions of Max p=400bar, S=5m/s



HYDRAULIC CYLINDER

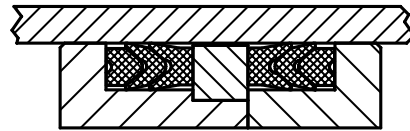


Rod seal consisting of :
guide strip type FG I7 primary seal with gasket set type IGR/BW
with back-up ring in PTFE + glass + MoS₂ and energizing ring.
Wiper type CPPT 1 in PTFE + glass + MoS₂ and O-ring for applications
on double-acting cylinders with Max p=300bar, S=5m/s

HYDRAULIC CYLINDER APPLICATIONS



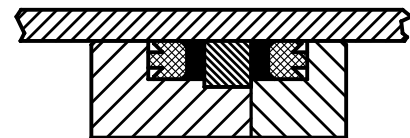
PRESS FOR ALUMINIUM EXTRUSION



Piston seal consisting of:
Vee-packing set – TG3 in cotton fabric - assembled
back-to-back for applications on double-acting cylinders
with Max $p=400\text{bar}$, $S=0.5\text{m/s}$.



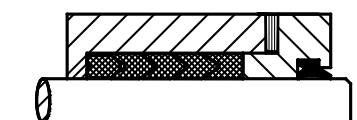
FORGING PRESS



Piston seal consisting of:
Gasket type TEOL8 in cotton fabric assembled
back-to-back for applications on double-acting cylinders
with Max $p=400\text{bar}$, $S=0.5\text{m/s}$.



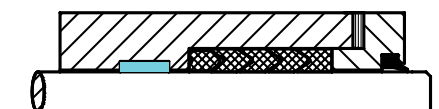
HYDRAULIC PRESS



Rod seal consisting of:
Vee-packing set in cotton fabric, wiper type DP9
for applications with Max $p=600\text{bar}$, $S=0.5\text{m/s}$.



OIL DYNAMIC PRESS

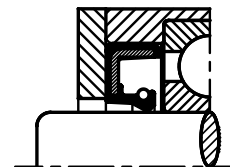


Rod seal consisting of:
guide strip type FGI7, vee-packing set TG5 in cotton fabric,
wiper type DP6 for applications with Max $p=400\text{bar}$, $S=0.5\text{m/s}$.

ROTARY MOVEMENT APPLICATIONS



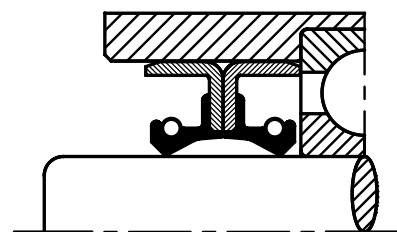
ROTARY SYSTEMS FOR PAPER MILLS



Sealing systems on rotary shaft consisting of:
seal type A for applications
with Max $p=0.5\text{bar}$, $S=20\text{m/s}$



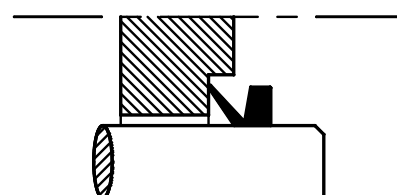
STEEL MILLS



Sealing system on rotary shaft consisting of:
two seals type B assembled back-to-back
for applications with Max $P=0.5\text{bar}$, $S=20\text{m/s}$



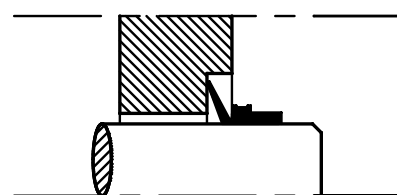
SPEED REDUCERS



V-ring type VA
for applications with Max $S=18\text{m/s}$



HOT ROLLING MILL

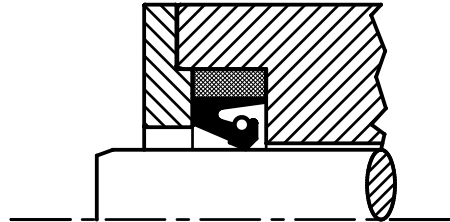


V-ring type VRM
for applications with Max $S=18\text{m/s}$

ROTARY MOVEMENT APPLICATIONS



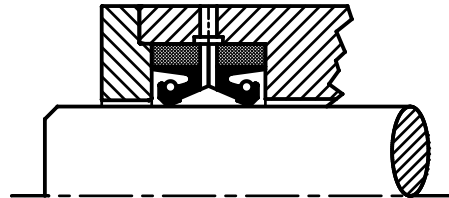
LAMINATING SYSTEMS



Sealing system on rotary shaft consisting of:
seal type D5 for applications
with Max $p=0.5\text{bar}$, $S=20\text{m/s}$



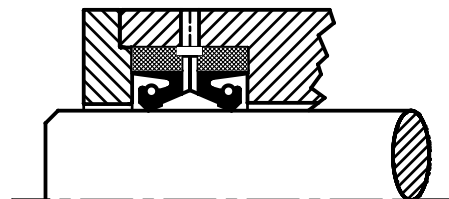
COLD ROLLING MILLS



Sealing system on rotary shaft consisting of:
seal type D6 assembled back-to-back for applications
with Max $p=0.5\text{bar}$, $S=20\text{m/s}$



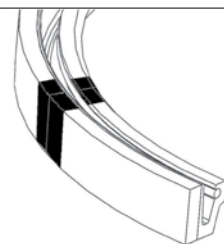
HYDRAULIC VALVES



Sealing system on rotary shaft consisting of:
seal type D7 assembled back-to-back for applications
with Max $p=0.5\text{bar}$, $S=20\text{m/s}$



ROTARY CLINKER BAKING SYSTEM



Rotary shaft seal in split form

OTHER APPLICATIONS

WIND ENERGY



MARINE INDUSTRY



EARTH MOVING EQUIPMENT



CEMENT PLANTS



OTHER APPLICATIONS

MINING



DRILLING



PAPER INDUSTRY



MECHANICAL





KEY SUCCESS FACTORS

- » ISO 9001:2008 and ISO 14001:2004 certification for manufacturing and sales of technical products.
- » Italian, German, French, English and Spanish speaking team.
- » Urgent shipments leave our premises on same day delivery or within 24 hours.
- » Big range of articles available from stock, even unusual sizes.
- » Professional technical assistance & support.
- » Long term employees with deep know-how of products and markets.
- » Active after sales service & marketing team.
- » RFQ normally processed within 24/48 hours.
- » Swiss reliability.
- » Full batch traceability.
- » Central European location.

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

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