

100% POSITIVE ISOLATION

ONIS Quick-Action Line Blind
outperforms conventional blind solution:
spectacle, slip and figure-8 blinds



1" up to 52"
150# up to 2500#
-155°F/-104°C up to
1400°F/760°C

Improve Safety
& Efficiency

Blind in minutes
Not hours

One person
Zero tools



OFFSHORE | PIPELINES | FLARES | STEAM CRACKERS
REACTORS | ANY SEVERE SERVICE

www.onislineblind.com

ONIS LINE BLIND HISTORY



2016

Opening of Kuala Lumpur office.

2015

Opening of Abu Dhabi office.

2004

Socomet-Onis becomes ONIS.

2002

Socomet-Onis gets certified to ISO 9001:2008.



1995

Onis Inc. is established in Houston, TX, to better serve the needs of the North American customers.

1979

Creation of Socomet-Onis by Jean-François Favreau-Onis who patented the original Quick-Action Line Blind technology.



Quick-Action Line Blinds can blind **pipes in minutes** with **one person only and zero tools** outperforming conventional spectacle, slip and figure-8 blinds. **ONIS respects the environment, increases productivity and improves safety.**

- Traditional blinding methods are slow, often hazardous and make downtime endless.
- ONIS Quick-Action Line Blinds reduce downtime dramatically in many routine maintenance procedures
- ONIS offers a significantly higher degree of safety and performance than traditional blinding



ONIS manufacturing facilities

- Design office
- R&D Department
- 10,000 ft² workshop
- 2 painting cabinets (1,000 ft²)
- 40,000 ft² storage area
- 3 cranes (5, 12.5 and 25 tons lifting capacity)
- 1 test bench



QUICK-ACTION LINE BLIND CONCEPT

CONCEPT:

No dead chamber (no cavitation),
No internal gaskets,
Few parts in movement,
Self Locking system,
Four gaskets on slide gate,
no internal gasket,
Fire API-607 on specific demand.

DESIGN:

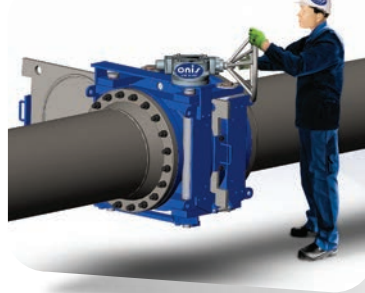
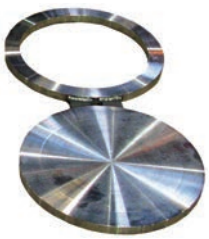
ASME Section VIII Div-1B
ANSI B31.3
ASME B16.34,
No welding in contact with the media.

MATERIALS:

Forged up to 42"
Welded above 42",
ASME Sect II part D/ B31.3
according to
ASTM/EN10204
NACE cert.
MR-0175/ISO15156.

TEST:

100% of ONIS Line Blinds are tested,
Following ASME B31.3,
API598, API6D,
MSS SP61.



Traditional Blinding method

- ✓ Shut off the upstream valve
- ✓ Depressurize the pipe
- ✗ Remove bolts
- ✗ Spread the flanges by at least 10 to 15 mm
- ✗ Change the figure-8 position and insert new spiral gaskets
- ✗ Tighten the bolts

Blinding time
2 hours up to 10 hours

**SIGNIFICANT
MANPOWER AND TOOLS**
(cranes, heavy tools,
wrenches)

Onis Line Blind

- ✓ Shut off the upstream valve
- ✓ Depressurize the pipe
- ✓ Unlock the Blind
- ✓ Spread the half-bodies (lever or gear box)
- ✓ Move the slide gate
- ✓ Clamp the half-bodies

Blinding time

< 8"	1 minute
10" to 24"	5 minutes
> 26"	15 minutes

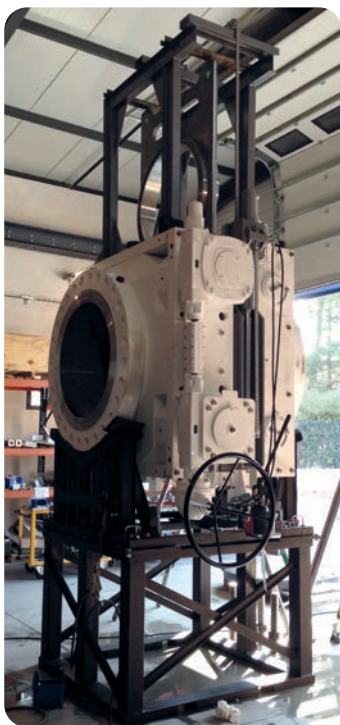
**ONE PERSON
ZERO TOOLS**

Process must be repeated for each blinding operation

QUICK-ACTION LINE BLIND RANGE



Model	Model PLB : ½" – 10" DN 12 – 250	Model PLR : 10" – 42" DN 250 – 1050	Model MPL : > 42" > DN 1050
Half bodies clamp/spread operations	Lever	Hand wheel (Gearbox)	Hand wheel (Gearbox)
Effort transmission	4 clamping points	4 clamping points	6 to 12 clamping points + lateral clamp system
Slide gate movement	Slide gate guiding system, + additional rollers >3"	Slide gate guiding system with rollers	Slide gate guiding system with rollers



TECHNICAL SPECIFICATIONS

Standard Specifications

- Forged half-bodies in carbon steel A350 LF2
- Flange connection RFSF (Raised Flange Stock Finish)
- Slide gate in Stainless Steel (304L or 316L)
- 4 FKM O'rings only on slide gate (no internal gasket)
- Self-lubricated bearings
- Half-bodies spread movement:
 - > Manual lever operation up to 10"
 - > Manual gearbox operation above 10"
- Manual slide gate movement



ONIS Line Blind answers your specifications...

Flanges connection

- Following standards: EN 1092-1, B16-5, B16-47
- RF, RTJ
- Butt weld
- Drain ports
- Special fitting upon request

Material

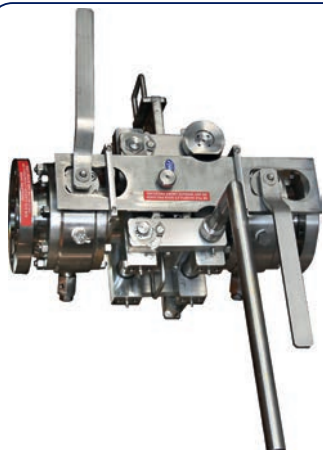
- Half-bodies & slide gate**
- High temperature steels
 - Exotic steels: Monel 400, Nickel 200, Duplex,...
 - Overlays: Inconel, Nickel, Monel 400, PTFE, ...

Gaskets

- FKM O'ring gaskets
- Graphite gaskets
- FKM overlay PFA or FEP Gaskets
- Special gaskets material upon request

Miscellaneous

- Drain port
- Operating extension
- Safety lock
- Mechanical interlock
- Stainless slide cover
- Twin Line Blinds...



ONIS HI-SAFE - D3B DOUBLE BARRIER BLEED & BLIND

ONIS D3B a complete positive isolation solution in one equipment
1 upstream valve + 1 Line Blind + 1 downstream valve

Benefits:

- Mechanical safety interlock between the Line Blind and the valves prevents any operation of the Line Blind if the valves remain open.
 - Drain ports are included
- Dead chamber is minimized, the product loss during operation is lower

QUICK-ACTION FILTER CHANGER



The ONIS Quick-Action Filter Changer is designed to optimize strainer change on pipes.

QUICK-ACTION RUPTURE DISK CHANGER

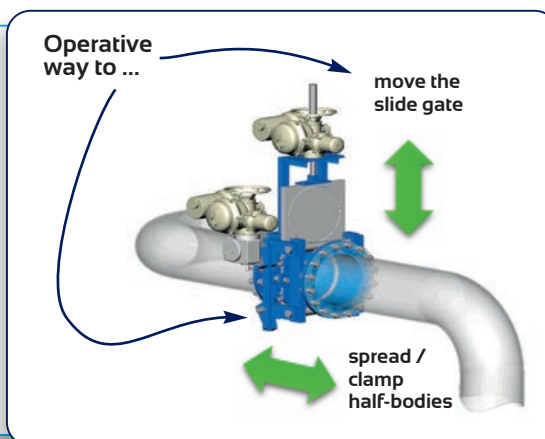
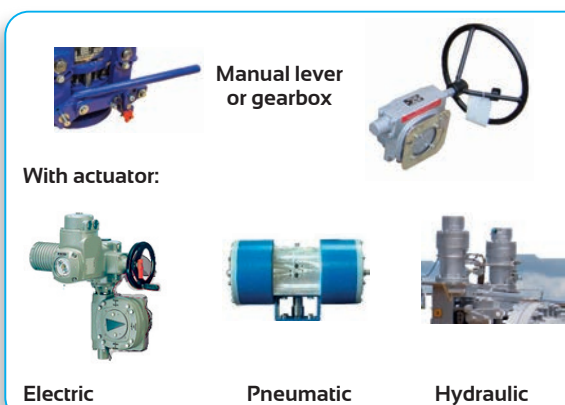


The ONIS Quick-Action Rupture Disk Changer is designed to optimize disk replacement.

Benefits:

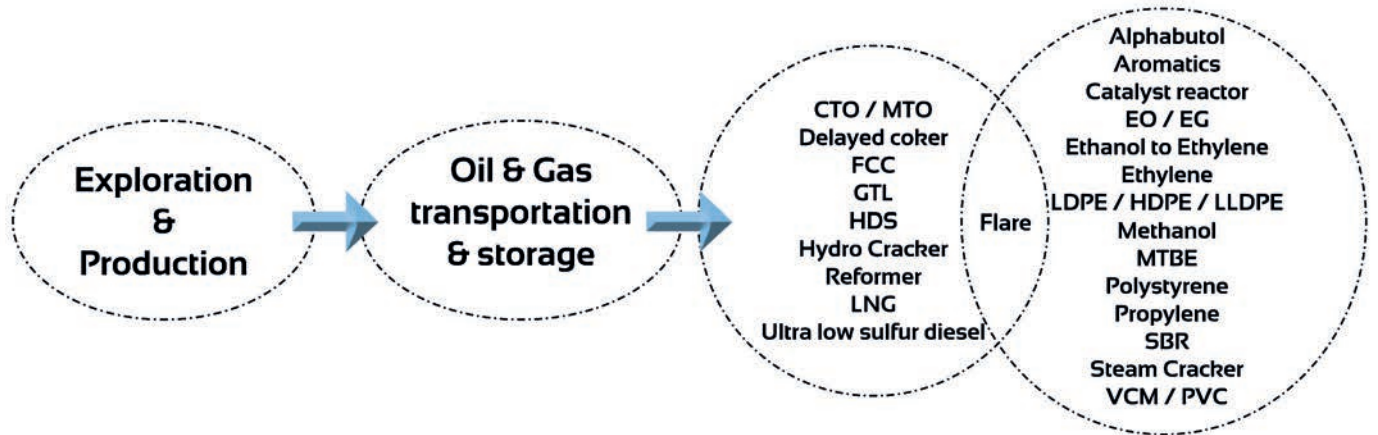
- Downtime is reduced to a minimum
- Strainer/disk replaced with zero tools
- The new strainer/disk can be set in position while the process is running
- The system is expressly designed not to damage the new strainer/disk when inserted in line
 - The second strainer can be cleaned while the process is running

LINE BLINDS OPTIONS



For security: Safety lock on slide gate or/and half-bodies
For position information: Limit switches on both movements

APPLICATIONS



The ONIS Line Blinds can be used in any gas, liquid, high viscosity or powder service such as H₂S, nitrogen, naphta, ethane, diesel, natural gas, benzine, chlorine, HCN,...



SOME OF OUR KEY REFERENCES...

Key references and clients include:

- North America:** DUPONT, BASF, ConocoPhillips, Dow, ExxonMobil, PEXEM, PDVSA, Braskem, PETROBRAS.
- Europe:** Statoil, lyondellbasell, ARKEMA, Eni, TOTAL, HAPITA, CHIMIE, bp, Shell, OMV, REPOL.
- Middle East:** Sadara, Qatofin, Borouge, SABIC, ENBRAS, ENBRAS, ENBRAS.
- Asia:** PetroChina, AIR LIQUIDE, Formosa Plastics, Cenos.
- Other:** BOREALIS, Williams, HUNTSMAN, sasol, Honeywell, ICA, Technip, Linde, ABB, FW, CBI, JACOBS, HEURTEY PETROCHEM, S&B.

More than 10,000
ONIS Line Blinds
in operation worldwide
since 1979

SITE ASSISTANCE TO OPERATIONS

ONIS offers specialized services to maintain or improve customer operations. We assist our valued customers in:



- 1• Equipment and spare parts supply.
- 2• Repairs & retrofit operations
- 3• Training & qualification of operators
- 4• Inspection & troubleshooting,
- 5• Assistance to startup & commissioning,
- 6• Breakdown & maintenance assistance,
- 7• Upgrade studies and design modifications (revamp, debottlenecking).

SITE OPERATORS QUALIFICATION

All Operators should be trained to increase:

- Safety (most accidents are due to human mistakes)
- Performance (reduce operation time)

Safety training steps

- ONIS Line Blind handling principles and generalities
- Review of all ONIS features installed on the unit
- Fixing bad habits or misuses
- Blinding Operations frequency
- Gasket replacement methods and steps
- Operation on site with the trainees or on a demo blind

Onis takes care of operation safety

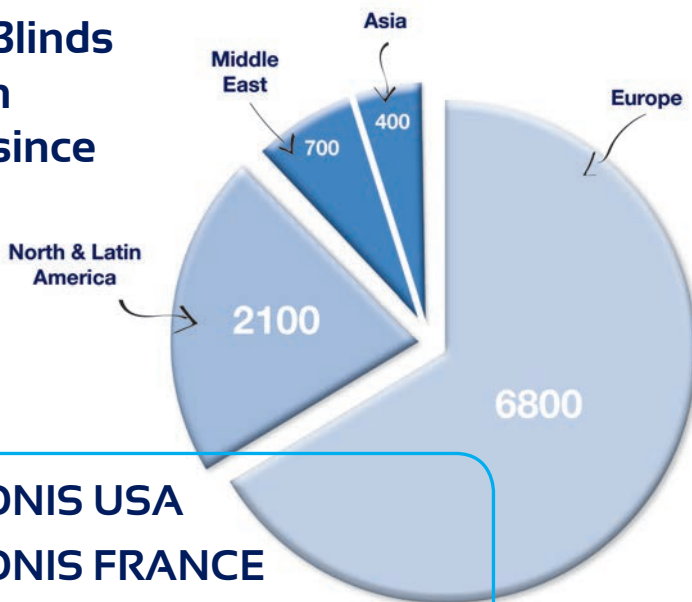
Our services :

- Qualification of operators during commissioning & start-up
- On demand, requalification of operators





10 000
ONIS Line Blinds
in operation
worldwide since
1979



ONIS USA



ONIS FRANCE



ONIS MIDDLE EAST



ONIS SOUTH EAST ASIA



ONIS CHINA

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ONIS website



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