

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 | STEAMCRACKERS
REACTORS | ANY SEVERE SERVICE

www.onislineblind.com

ONIS LINE BLIND HISTORY

2015

Opening of the Mexico & Abu Dhabi offices.

2013

Serge Bonnefoi takes over ONIS.

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

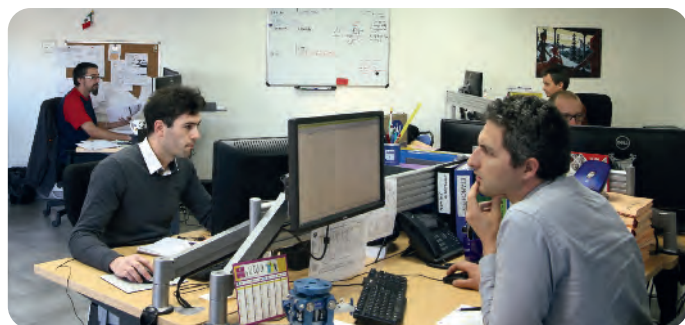
Creation of Socomet-Onis by Jean-François Favreau-Onis who patented the original Quick-Action Line Blind technology.



Quick-Action Line Blinds can blind pipes in minutes with **one person only and zero tools** outperforming conventional spectacle, slip and figure-8 blinds.

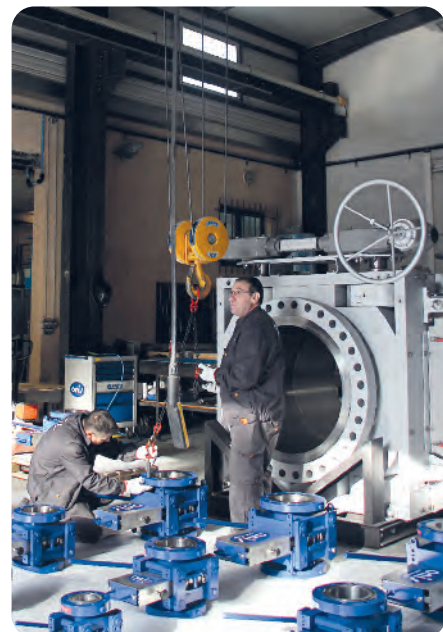
ONIS respects the environment, increases productivity and improves safety.

- 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
1" to 10" 30 seconds
12" to 26" 3 minutes
30" to 50" 5 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, ...

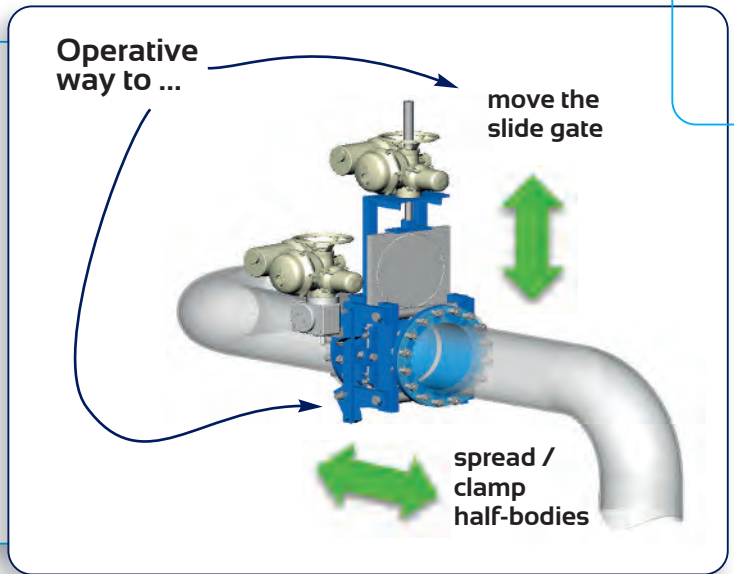
Gaskets

- 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...

LINE BLINDS OPTIONS



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

ID3B



This ONIS ID3B (Interlock Double Barrier Bleed & Blind) is a combination of an ONIS Line Blind and one or two ball valves.

Benefits:

- Reduced flange to flange dimension, as ball valve is part of the ONIS
- Dead chamber is minimized, the product loss during operation is lower
- ONIS ID3B uses less spiralwound gaskets when installed
- 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

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

APPLICATIONS

ONIS Line Blind is present in all Oil & Gas processes:

- Exploration & production
- Transportation & storage
- Refining
- Petrochemical

For applications such as:

- Gas compression stations
- Pumping stations
- Flares networks
- Steamcracker furnaces
- Reactors
- Boilers
- Reformers
- Any severe services

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 include:

- North America:** DUPONT, BASF, ConocoPhillips, Dow, ExxonMobil, PEMEX, PDVSA, Braskem, PETROBRAS.
- Europe:** Statoil, lyondellbasell, ARKEMA, Eni, TOTAL, OMV, REPOL, Cepsa, Shell, Borealis, Huntsman, Williams, BASF, BOREALIS.
- Middle East:** Sadara, SABIC, Qatofin, Borealis, SINOPEC, SAUDI ARABIAN PETROBRAS.
- Asia:** PetroChina, AIR LIQUIDE, Formosa Plastics, Qenos.
- Engineering & Industrial Firms:** ICA, Technip, Linde, ABB, FW, CBI, JACOBS, HEURTEY PETROCHEM, S&B.

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

SERVICES

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 TRAINING

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

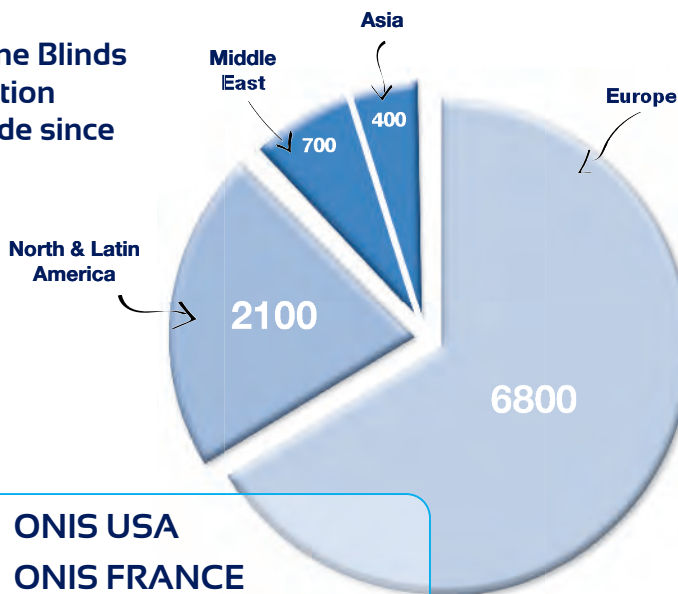
Our services :

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





ONIS Line Blinds in operation worldwide since 1979



-  ONIS USA
-  ONIS FRANCE
-  ONIS MEXICO
-  ONIS MIDDLE EAST

sales@onislineblind.com



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