

HYDRAULIC HINGE CLOSER



NOSCAVO®HHC

hydraulic hinge door closer



The innovative patend hydraulic hinge INAL® NOSCAVO® replace floor door closers and makes glass doors installation quick & easy.

An ideal solution suitable for EXTE RNAL & INTE RNAL glass door applications.

- No more floor coring

 No need to cut marbles, granites, tiles and flooring materials

 No more damages in the infrastructures piping, wiring, e.t.c.
- Ideal solution in wooden floors
- Easy relocation of the door
- Immediate restoration of rented premises to their former configuration
- Easy & absolute adjustable door closing control





For external & internal applications

NOSCAVO® is available in three types LIGHT- MEDIUM- HEAVY depending on the needs of construction, with opening stations.

NOSCAVO® **NS100L** [LIGHT] **NS100M** [MEDIUM] **NS100H** [HEAVY]

FORCES:

LIGHT Code NS100LMEDIUM Code NS100MHEAVY Code NS100H

technical specifications

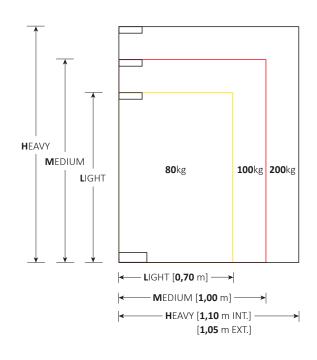
FORCE	DOOR WIDTH	DOOR WEIGHT	GLASS THICKNESS	
• LIGHT	0,70	80Kg	10-12 mm	
• MEDIUM	1,00m	100Kg	10-12 mm	
• HEAV/V	1,05m EXTERIOR	+- 2008-	H1: 10-12	
• HEAVY	1,10m INTERIOR	up to 200Kg	H2: 13,52 - 17,52	

STAINLESS STEEL COVERS (Passivated ASTM A967)

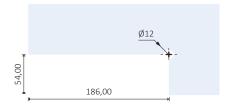
SATIN FINISHING NS100.01.14* POLISHED FINISHING NS100.01.13*

ALSO AVAILABLE IN COPPER .46 .47,.21BLACK.
RAL COLORS, UPON REQUEST

* PASSIVATED



glass cuting



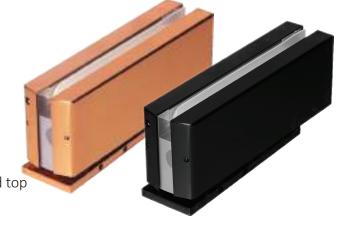
EN 1154 EUROPEAN STANDARDS

NOSCAVO® special finishings

For special creations, the NOSCAVO® hydraulic hinge is available by request for all types, in special finishes on the lids:

Copper [.46 polished & .47 satin], black [.21BLACK].

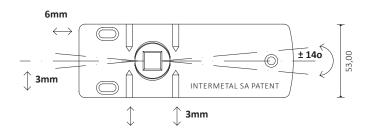
In the same finishes are available by request top hinges and top pivots.



general specifications & a adjustment

floor plate adjustments

- 6mm backward and forward
- 3mm left and right for parallel shift of the glass door
- 14° alignment adjustment

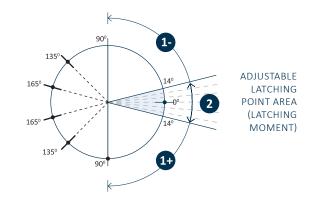


with hold open

■ Maximum door opening (HOLD OPEN Stages ±90°/±135°/±165°/±180°)

TWO ADJUSTMENT VALVES

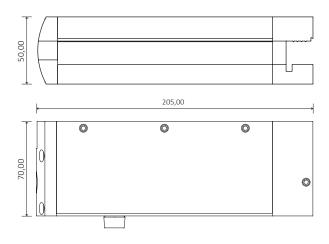
- For closing speed
- For latching speed adjustable starting point (latching moment)



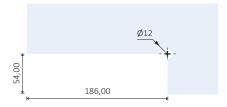


hydraulic hinge

stainless steel floor plate



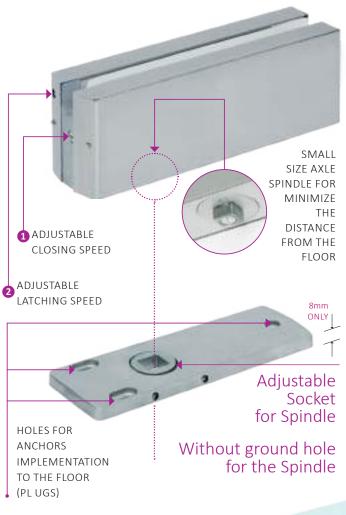
glass cuting





INnovationAL Technology

- Hydraulic high pressure damping value
- Adjastable Latching Starting point- latchingmoment







! Quick Installation

INSTALL THE SPECIALLY DESIGNED STAINLESS STEEL PLATE ON THE FLOOR, ASSEMBLY THE INAL® NOSCAVO HYDRAULIC HINGE TO THE GLASS AND YOU ARE READY TO INSTALL YOUR GLASS DOOR.

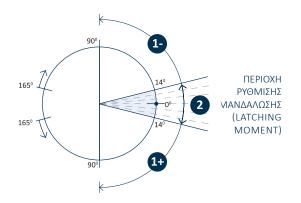
special types

NOSCAVO® NS100M.NHO NS100H.NHO

without hold open [point 0°]

For applications that are not necessary the opening stations on the glass door.

- FORCES:
 - MEDIUM Code NS100M.NHO
 - HEAVY Code NS100H.NHO



NOSCAVO® NS100H.PV.14

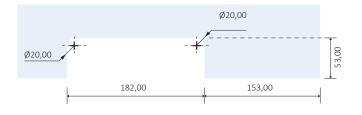
For PIVOT door

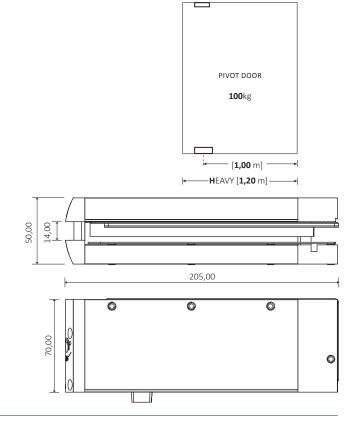
NOSCAVO® for PIVOT Door with hold open stages is ideal for doors for large openings. Retains all the features of the mechanism, the same settings, flexibility and easy installation.

FORCE:

HEAVY Kωδ. **NS100H.PV.14**

glass cuting





■ NOSCAVO® **NS100H.SH**

For shower applications

NOSCAVO® for showers and humid areas, with opening stations.

- FORCE:
 - HEAVY Κωδ. **NS100H.SH**



Suitable for EXTERNAL & INTERNAL glass door applications



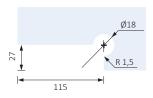
NOSCAVO® DIY Kit

Each **Noscavo®** System comes in 2 standard kits to meet each installers' needs.

NOSCAVO KIT: NS A

TOP HINGE

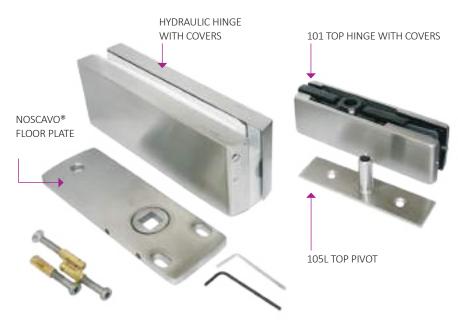
CODE **101** 10mm Glass COVER FINISHING: Satin Anodised Polished Anodised Natural Anodised



TOP PIVOT CODE 105L

STAINLESS STEEL COVERS

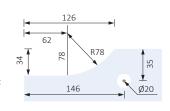
SATIN FINISHING



NOSCAVO KIT: NS B

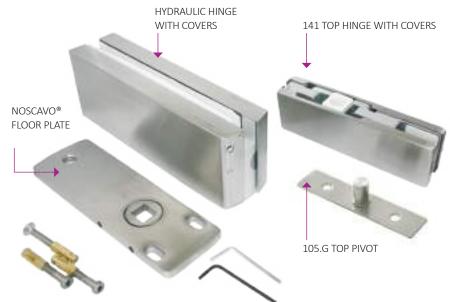
TOP HINGE

CODE **141** 10-12mm Glass COVER FINISHING: Satin Anodised Polished Anodised Natural Anodised



TOP PIVOT CODE 105.G

STAINLESS STEEL COVERS SATIN FINISHING



AVAILABLE IN 3 TYPES

• LIGHT - • MEDIUM - • HEAVY



Combine with inal® glass accessories

locks





door handles



λαβές





NOSCAVO® certification



CERTIFICATE

ACCORDING TO EN 1154

INTERMETAL S.A.

Certifies that the following product:

INAL NOSCAVO Hydraulic Hinge Closer

Has been tested according to EN 1154 European Standards. Actual test over 1 million cycles.

BS EN 1154 RATING:

3	8	1/5	0	1	3

Adjustable closing speed - Adjustable latching speed	YES
Can be used with stopper	YES
Available With or Without hold open	YES

Technical Features:

Maximum door opening	Up to 180 degrees	
Door width: LIGHT	700 mm	
Door width: MEDIUM	1000 m	
Door width: HEAVY	1050 mm EXTERIOR, 1100 mm INTERIOR	
Description	Dual acting	
Glass thickness: LIGHT	10-12 mm	
Glass thickness: MEDIUM	10-12 mm	
Glass thickness: HEAVY	10-12 mm standard - up to 16 mm Upon request	
Door weight: LIGHT	80 Kg	
Door weight: MEDIUM	100 Kg	
Door weight: HEAVY	Up to 200 Kg BASIC LOAD RATINGS ON BEARING OF THE MAIN SAFT (LOAD ON MAIN AXIS): DYNAMIC: 3800 Nt. STATIC:2120 Nt.	
Hold Open	(Stages ± 90°/ ± 135°/ ± 165°)	
Ambient Temperature	(-20 - +50 °C)*	
Suitable for	Inside and Outside	
Door height : LIGHT	2500 mm	
Door height : MEDIUM	2500 mm	
Door height : HEAVY	3000 mm	
Adjustable zero position	+/- 5*	
Closing speed	Adjustable closing speed 90° - 0°. Adjustable latching speed 14° - 0°.	

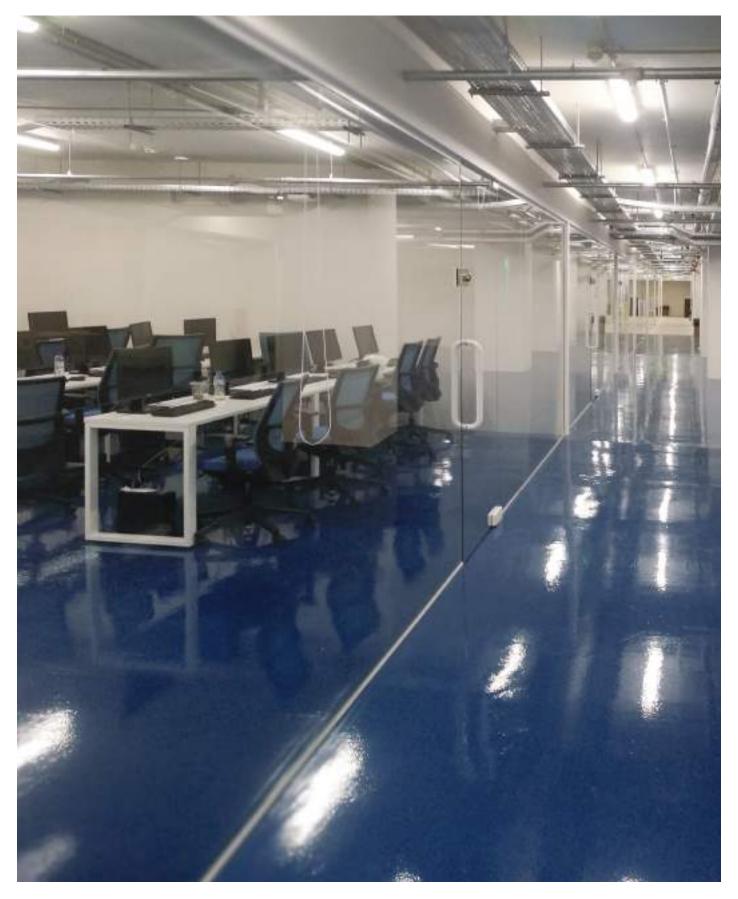


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O.A.



NOSCAVO® applications



NOSCAVO HHC HYDRAULIC HINGE CLOSER





ALSO DOWNLOAD OUR PRODUCT CATALOGUES





















INnovationAL Solutions



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CERTIFIED

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in company/intermetal-sa