

NiCo

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Secured by Design



Police Preferred Specification

MADE IN BRITAIN

**SBD Approved Product
with Nico Xtra-Bolts**

Simple, safe operation

**Meets PAS024:2016
as a critical component**

**Complies with
BS9991:2015 and
BS8213-1:2004**

**ISO 9001:2015
Manufacturer**

ATLAS



heavy duty friction hinge

for outstanding egress performance

The Nico Atlas range is the perfect friction hinge solution for heavy duty egress windows, accommodating sash weights of up to 50kg and sash widths up to 1000mm.

The range includes Egress Easy Clean and Egress Only hinges, with the unique geometry providing a maximum clear opening for egress requirements.

Both versions feature a distinctive design that offers exceptional strength and performance.

The Hinges comply with Building Regulations Part B, BS9991:2015 and BS8213-1:2004 (Easy Clean variant).

The Atlas 14" Egress Easy Clean Friction Hinge has the same geometry and is compatible with the 14" Atlas Quad Restricted Hinge.



EASY CLEAN POSITION



EGRESS ONLY VERSION



For sales, call 01255 422333 or email sales@nico.co.uk

Technical Data

Fitting Instructions

Nico Friction Hinges are designed to make fitting as simple as possible. There are slotted fixing holes in the base channel and sash bar, with final fixing holes in each component. This configuration allows a maximum of sash to frame adjustment during fitting and window installation.

Friction Hinge mounting faces must be flat, parallel and provide the correct cavity clearance, 14mm or 17mm (-0mm+1mm).

Friction Hinges should be fitted with the end-cap abutting the corner of the window frame.

The centre line of both vent and frame arm should be coincidental and parallel.

Size and weight parameters are to be strictly observed – please refer to Nico for other applications.

After installation, the friction screw should be adjusted to obtain the desired resistance.

All window hardware will require regular inspection, cleaning and maintenance in order to operate in the manner for which they have been designed.

The Nico Atlas range of Heavy Duty Friction Hinges is robustly built with stainless steel construction.

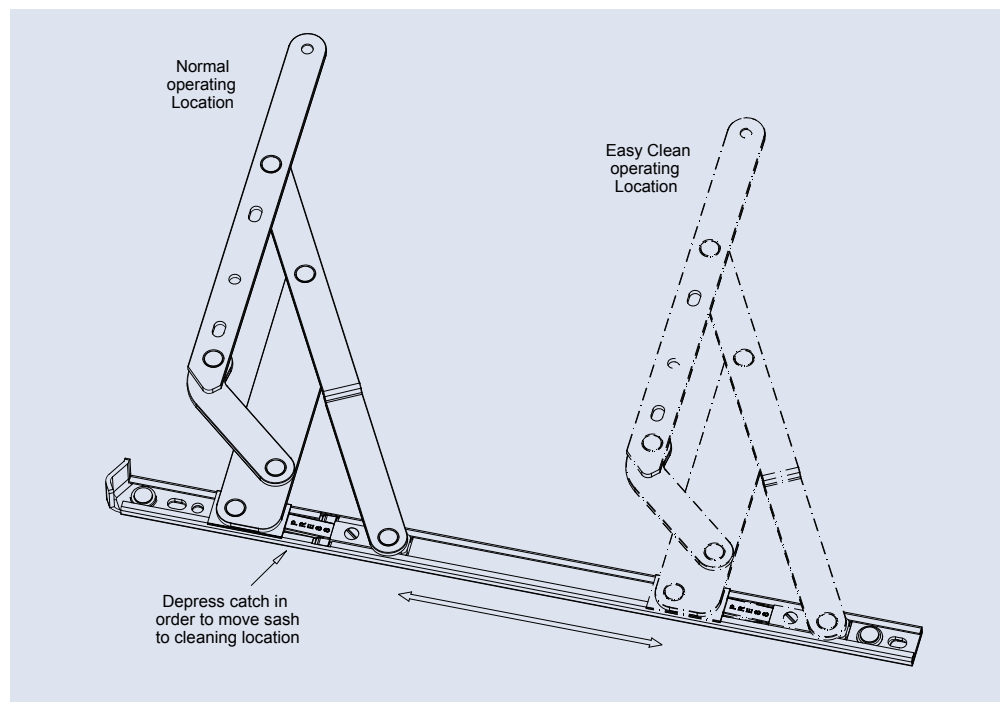
With 4.8mm counter bore rivet assembly, all metal end caps and a stainless steel reinforcing plate, the Atlas hinge carries a significantly greater weight than a standard hinge.

All hinges are fabricator-friendly, have a high strength glass reinforced nylon slide and an adjustable brass friction screw.

The asymmetric geometry produces an especially smooth opening and closing action.

Atlas Friction Hinges have additional fixing holes to provide increased stability and easy clean hinges comply with BS8213-1:2004 to provide a 95mm cleaning gap.

The hinges have been endurance tested in the Nico Test Centre with their maximum load carrying capacity for over 30,000 cycles.



ATLAS Heavy Duty Friction Hinge

Size	300mm (12")	300mm (12")	350mm (14")	350mm (14")	400mm (16")
Vent Type	Side Hung	Side Hung	Side Hung	Side Hung	Side Hung
Vent Style	Egress only	Egress Easy Clean	Egress only	Egress Easy Clean	Egress only
Max Vent Width	700mm	700mm	900mm	900mm	1000mm
Max Vent Weight	35kg	35kg	45kg	45kg	50kg
Opening Angle	87°	90°	87°	90°	87°
Box Quantity	25 Singles	25 Singles	25 Singles	25 Singles	25 Singles
14mm Range					
Order No. LH	8660L	8560L	8670L	8570L	8680L
Order No. RH	8660R	8560R	8670R	8570R	8680R
Box Quantity	25 Singles	25 Singles	25 Singles	25 Singles	25 Singles
17mm Range					
Order No. LH	8661L	8561L	8671L	8571L	8681L
Order No. RH	8661R	8561R	8671R	8571R	8681R
Box Quantity	25 Singles	25 Singles	25 Singles	25 Singles	25 Singles

Additional Top Hung and Side Hung Heavy Duty Hinges are also available. The Nico Heavy Duty Friction Hinge Leaflet provides further information.

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Official Police Security Initiative

A SBD Member Company



ISO 9001 Cert No: Q 09355

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