



standard friction hinge

for reliable long-life performance



Designed and manufactured in the UK, the Nico Friction Hinge is robustly built from stainless steel with precision geometry for a smooth, positive closing action.

Suitable for PVCu, timber or aluminium window profiles, the Friction Hinge features a counter-bore pivot system with 4.8mm rivets for strong, reliable operation and a long trouble free service life.

For extra strength, the all-metal end-cap is rivetted on to the hinge and the friction slide is made from high strength glass-reinforced nylon with an adjustable brass resistance screw.



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Police Preferred Specification



*MIDDLE: The hinge end-cap is of all-metal construction and is rivetted on to the hinge for extra strength.
BOTTOM: Nico Friction Hinge manufactured in 17mm stack height.*

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Fitting Instructions

Standard 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, 13mm 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.

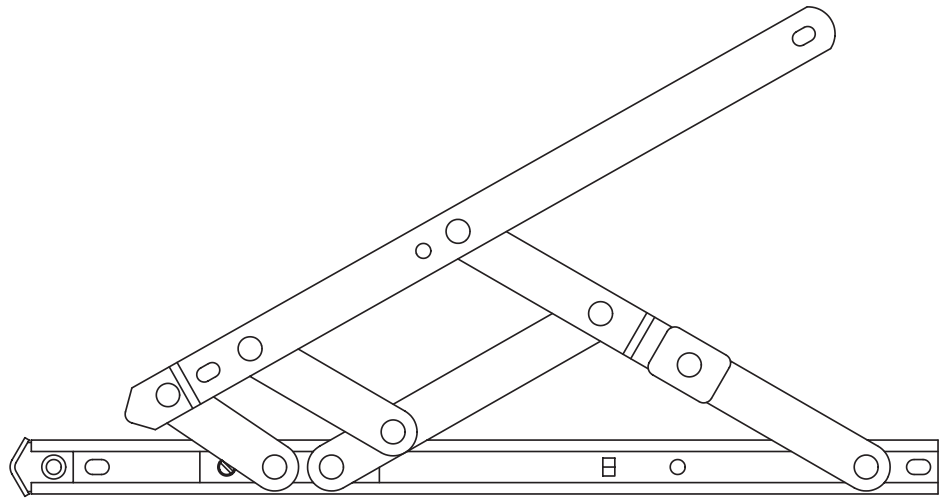
Technical Data

Produced from stainless steel and offering excellent load bearing characteristics, the Nico Standard Friction Hinge has been designed and built to suit the larger window sizes associated with current specifications.

It comes in a range of sizes, from 200mm to 600mm, in 13mm and 17mm stack heights.

The end-cap is symmetrical on the 13mm range and offset on the 17mm range.

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



Range Chart

Size	200mm (8")	250mm (10")	300mm (12")	300mm (12")
Vent Type	Top Hung	Top Hung	Top Hung	Side Hung
Max Vent Width	n/a	n/a	n/a	600mm
Max Vent Height	350mm	450mm	550mm	n/a
Max Vent Weight	12kg	16kg	22kg	22kg
Opening Angle	60°	65°	60°	60°
Size	400mm (16")	400mm (16")	500mm (20")	600mm (24")
Vent Type	Top Hung	Side Hung	Top Hung	Top Hung
Max Vent Width	n/a	700mm	n/a	n/a
Max Vent Height	750mm	n/a	1000mm	1300mm
Max Vent Weight	26kg	26kg	28kg	40kg
Opening Angle	60°	60°	52°	38°

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