

# NiCo

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## 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.



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.

Secured by Design



Police Preferred Specification

**MADE IN BRITAIN**

**SBD Approved Product  
with Nico X-tra Bolts**

**All stainless steel  
construction**

**Unique design for strength  
and performance**

**Choice of 13mm and  
17mm stack heights**

**Opening angles allow  
easy use and safe  
cleaning**

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

**ISO 9001:2015  
Manufacturer**

**For sales, call 01255 422333 or email [sales@nico.co.uk](mailto:sales@nico.co.uk)**

## 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, 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.

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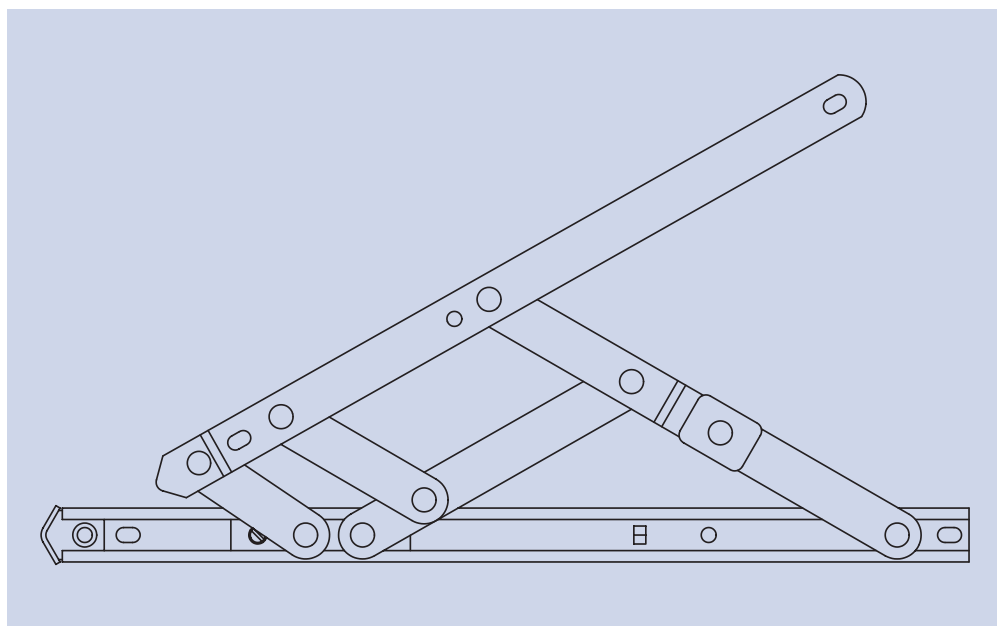
## Technical Data

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.



## Standard Friction Hinge

|                         |                    |                    |                    |                    |
|-------------------------|--------------------|--------------------|--------------------|--------------------|
| <b>Size</b>             | <b>200mm (8")</b>  | <b>250mm (10")</b> | <b>300mm (12")</b> | <b>300mm (12")</b> |
| <b>Vent Type</b>        | Top Hung           | Top Hung           | Top Hung           | Side Hung          |
| <b>Max Vent Width</b>   | n/a                | n/a                | n/a                | 600mm              |
| <b>Max Vent Height</b>  | 350mm              | 450mm              | 550mm              | n/a                |
| <b>Max Vent Weight</b>  | 12kg               | 16kg               | 22kg               | 22kg               |
| <b>Opening Angle</b>    | 60°                | 65°                | 60°                | 60°                |
| <b>Bulk Packed</b>      | 100 (17mm 25)      | 50                 | 50                 | 50                 |
| <b>Order No.13mm</b>    | 7710 0 07 40       | 7720 0 07 40       | 7730 0 07 40       | 7735 0 07 40       |
| <b>Order No.17mm LH</b> | 8210L              | 8220L              | 8230L              | 8235L              |
| <b>Order No.17mm RH</b> | 8210R              | 8220R              | 8230R              | 8235R              |
| <b>Size</b>             | <b>400mm (16")</b> | <b>400mm (16")</b> | <b>500mm (20")</b> | <b>600mm (24")</b> |
| <b>Vent Type</b>        | Top Hung           | Side Hung          | Top Hung           | Top Hung           |
| <b>Max Vent Width</b>   | n/a                | 700mm              | n/a                | n/a                |
| <b>Max Vent Height</b>  | 750mm              | n/a                | 1000mm             | 1300mm             |
| <b>Max Vent Weight</b>  | 26kg               | 26kg               | 28kg               | 40kg               |
| <b>Opening Angle</b>    | 60°                | 60°                | 52°                | 38°                |
| <b>Bulk Packed</b>      | 50                 | 50                 | 25                 | 25                 |
| <b>Order No.13mm</b>    | 7745 0 07 40       | 7740 0 07 40       | 7750 0 07 40       | 7760 0 07 40       |
| <b>Order No.17mm LH</b> | 8245L              | 8240L              | 8250L              | 8260L              |
| <b>Order No.17mm RH</b> | 8245R              | 8240R              | 8250R              | 8260R              |



ISO 9001 Cert No: Q 09355

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