Doric

DN450

MKII TWIN
CHAINWINDER

DN450 I MKII TWIN CHAINWINDER

The ultimate chainwinder, unrivalled and unmatched for large awning windows.

The DN450 MkII Twin Chainwinder is an upgrade on Doric's market-leading DN400 Twin Chainwinder, featuring a range of new features to deliver the ultimate solution in awning window control.

Unlike other operators on the market, the DN450 is manufactured using an extruded aluminium body which allows users to colour match into their environment seamlessly whilst exceeding corrosion resistance benchmarks.

Accompanied with our innovative adjustable chain restriction, the DN450 provides a solution to suit both residential and commercial settings, while complying with NCC standards and ICP 005.

ADVANTAGES

ADJUSTABLE CHAIN RESTRICTION
Allows users to limit openings from 110mm to 265mm to comply with NCC standards and ICP 005 "Window Prevention & Protection of Openable Windows".

EASY LINK SASH PLATE
Attaching the pitching chain is fast and easy with the Easy Link Sash Plate.

LARGER CHAIN PITCHING
Includes a 600mm chain pitching, allowing the chain to be mounted closer to the corners of a window, for better window performance.

EXTRUDED ALUMINIUM BODY
Can be Powder coated to colour match or contrast any window frame extrusion.

FOLD DOWN LEVER
Similar to other Doric chainwinders, the fold-down lever provides a neat appearance while still offering a smooth & effortless operation.

KEYED & NON-KEYED OPTIONS
Available in either keyed or non-keyed options. Suitable with Doric's DS125, DS126 and DS127 Multi Key wafer cylinders.

SAFE & SECURE
Supplied with a Stainless steel Chain & Sash plate to ensure durability and performance.

PRODUCT DETAILS

FURNITURE MATERIAL	Extruded aluminium body, Zinc & Polesium™ Fold Down Lever Stainless steel Chain & Sash Plate
AVAILABLE FINISHES	Standard & Non-Standard Powder coat colours
CYLINDER	Multi Key Cylinders: DS126 - 6 Disc Wafer Cylinder DS125 - 5 Disc Wafer Cylinder DS127 - C4 Profile Key

COLOURS

SATIN BLACK

SILVER

PEARL WHITE

CUSTOM COLOURS AVAILABLE

TESTING

CYCLE TEST - ICP 002
Functionality test according to ICP 002: Completed & surpassed

ULTIMATE PULL TEST
Completed and surpassed 4900N

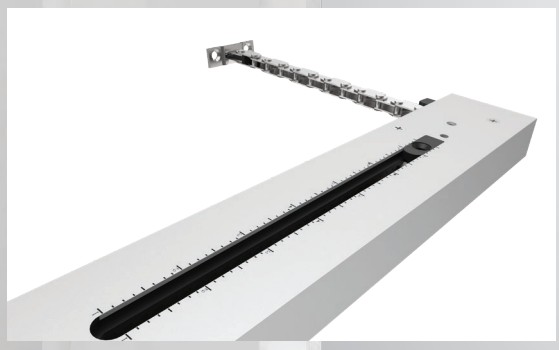
MAXIMUM TORQUE TEST - OPEN
Tested on handle in unlocked and open position: Completed & surpassed 7.42N

MAXIMUM TORQUE TEST - DEADLOCKED
Tested on handle & lockbar in deadlocked configuration: Completed & surpassed 21.26N

HOW TO ORDER

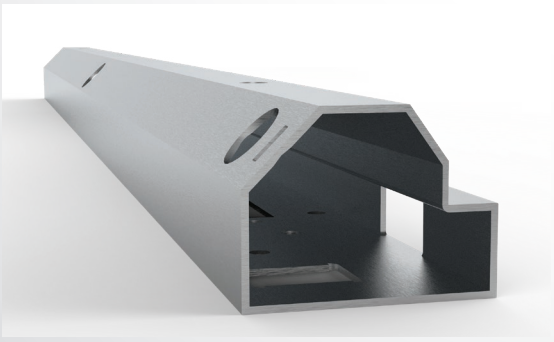
CODE	FINISH	CYLINDER
MDN450 Keyed	Powder coat: Black, White, Silver, Non-Standard	DS125 DS126 DS127
MDN451 Non-Keyed	Powder coat: Black, White, Silver, Non-Standard	N/A

DN450 | MKII TWIN **CHAINWINDER**



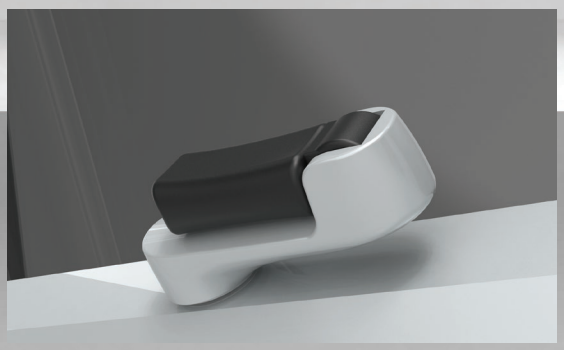
ADJUSTABLE RESTRICTION

Allows for maximum openings, increasing airflow whilst complying with NCC & ICP 005 - The adjustable restriction limits window opening from 110mm to 265mm.



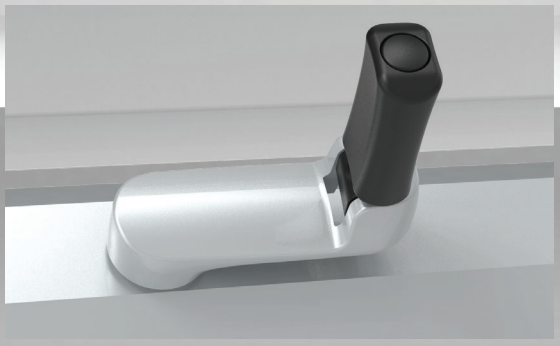
EXTRUDED ALUMINIUM BODY

Offered in standard 690mm length, project lots are available to specified length to match window width for greater architectural styling.



FOLD DOWN HANDLE

Following other Doric chainwinders, the fold-down handle provides a neat appearance while still offering a smooth and effortless operation.



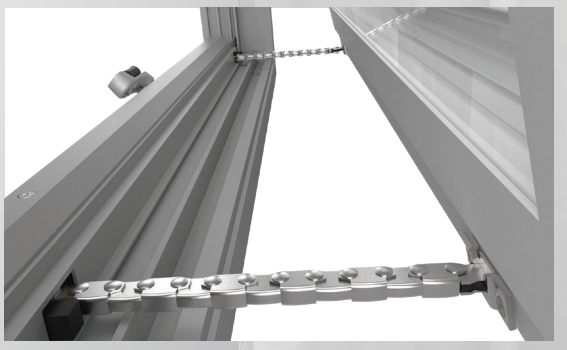
SINGLE LEVER OPERATION

One lever operates both chains simultaneously with ease. The Polesium handle offers unrivalled strength and longevity while also providing a comfortable shaped grip.

THE ULTIMATE, UNRIVALLED & UNMATCHED
FOR LARGE AWNING WINDOWS.

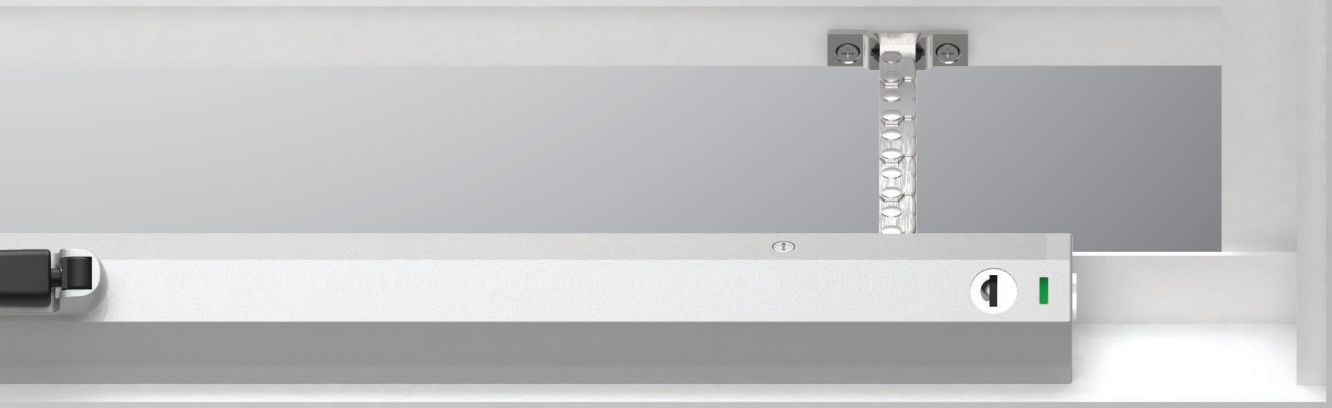
CORROSION RESISTANCE

Designed and manufactured from extruded aluminium alloys, ensures for maximum corrosion resistance to withstand any environment.



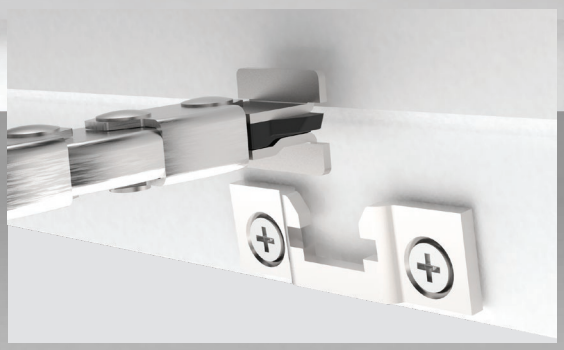
CHAIN PITCHING

Being the largest chainwinder window operator in the market, the DN450 includes a 600mm chain pitching, reducing deflection and increasing window performance.



KEYED & NON-KEYED OPTIONS

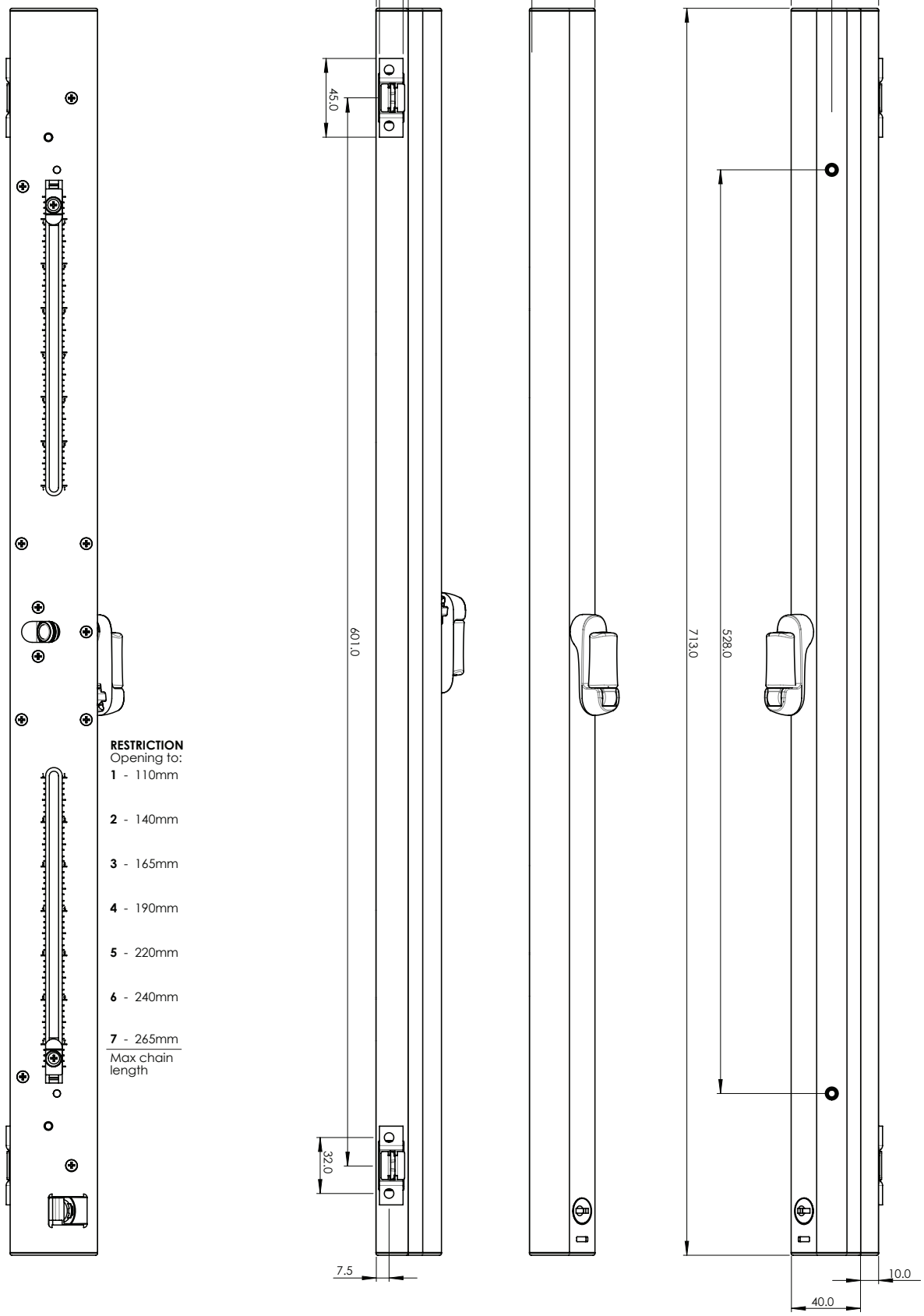
Available in either keyed or non-keyed options. Suitable with Doric's DS125, DS126 and DS127 Multi Key wafer cylinders.



EASY LINK SASH PLATE

Attaching the pitching chain is fast and easy with the Easy Link Sash Plate. Mount the plate brackets and clip-lock in the sash chain.

DIMENSIONS


18.0
13.5
36.0
50.0
27.0
45.0
601.0
32.0
7.5
713.0
528.0
10.0
40.0
RESTRICTION
Opening to:
1 - 110mm
2 - 140mm
3 - 165mm
4 - 190mm
5 - 220mm
6 - 240mm
7 - 265mm
Max chain length

DORIC | LEADERS IN AWNING WINDOW HARDWARE

DS1 CHAINWINDER

The DS1 is the most durable single chain window winder in the market, complete with innovation.

Designed for residential and commercial settings, the DS1 Chainwinder allows for easy operation, installation, and can be pre-restricted to comply with the NCC and meeting 'Kids Don't Fly' requirements.

- Chain and sash plate 'Easy Link' connection - for quick & simple installation time
- Smooth, effortless operation and control for large awning openings
- Fold down lever with adjustable spline

DS5500 OMEGA WINDOW OPERATOR

Fastest awning operator on the market, with a smooth and effortless operation.

Designed specifically for residential applications, the DS5500 Window Operator is another advanced solution from Doric and is available in 90mm and 150mm arm lengths. Featuring a Push & Pull operation, control takes half the time to open or close an awning window.

- 90mm restricted 'Kids Don't Fly' compliant
- Push button mechanism improves awning window operation
- Available in keyed and non-keyed options

VETNUS AUTOMATION ELECTRIC CHAINWINDERS

Doric's Ventus Automation is a powered window control system for residential and commercial applications.

Easy to install, suitable for a wide range of size and weight awning windows. 'Plug & Play' functionality is easily installed and configured.

- Retrofit to any opening
- No electrician required for installation
- Easy to follow quick connect plugs

INNOVATORS
OF HARDWARE FOR WINDOWS AND DOORS

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ALCHIN LONG GROUP

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