

NORDIC[®] door ab High Speed Roll Doors

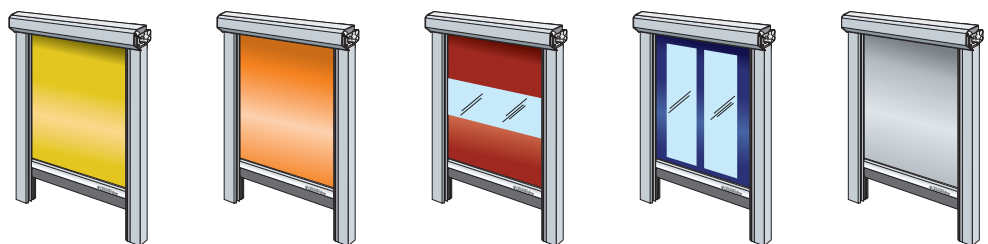


500 – for interior and exterior openings

The NORDIC 500 door with its patented balancing/tension system is a safe, reliable, fast, robust door suitable for exterior/interior openings in storage, production, food- and pharmaceutical facilities.

The unique system designed for hundreds of thousands of operations, tensions the door panel enabling it to withstand high wind and over pressures whilst at the same time balances the weight of the door panel allowing manual operation and reducing wear on the gear box and motor.

Width: max 4000mm
Height: max 4000mm



1. The door panel

The NORDIClean door panel is 2mm PVC coated double reinforced woven fabric, which is extremely tough and rigid horizontally. Its smooth easy clean finish is approved for use in both food/ pharmaceutical facilities and available in a choice of standard colours blue or grey. Optional colours are yellow, orange and red. It gives good sound reduction, is resistant to most chemicals and the carbon fibres woven into the fabric reduce static electricity and dirt collection. An optional full width transparent vision strip with a seamless flush joint can be incorporated into the panel.

2. Side guides

The side guides are made from heavy gauge anodised aluminium profiles incorporating seals that fit tightly against the door panel. The balancing system is housed within Anodized aluminium covers which are easily removed for maintenance. The side guides are prepared for an optional wind bar recommended for exposed positions.

3. Drive unit

– fast and smooth Vector-drive
The drive unit - NORDIC DRIVE A-2 has a robust worm gear with a 1,1 kW

AC-motor controlled by a PLC and an advanced Vector-inverter. The drive unit is designed to operate the door up to 6 operations per minute and has a pulse coder built into a roller bearing in the gear. Soft start/soft stop is standard and the opening speed can be set up to 2,5m/s.

4. Controls – with flexibility

NORDIC 500 has a flexible control system that can be programmed for all possible control functions.

The NORDIC DRIVE A-2 has a touch display that is used for programming the control and to provide status-information.

Alternative activation is available e.g. radio control, infra red, induction floor loops etc.

5. Safety

The bottom of the door panel is provided with a self monitoring pneumatic safety edge which immediately reverses the door if in contact with a person or obstruction. To comply with legislation and for optimum safety the sensitive edge is located in a deep profile requiring minimum contact for activation. A photo cell positioned in line with the opening prevents the door from closing or reverses it if the beam is obstructed.

6. Seals

The vertical side guides incorporate double brush seals and the head a single brush seal which all fit tightly against the door panel. The safety edge profile is enclosed in a hard wearing PVC skirt which seals against the floor and extends into the side guides leaving no “mouse holes” in the bottom corners.

The result is a tight and draught resistant door.

7. BRX-breakout System

The door can be supplied with the NORDIC BRX-breakout system, which in the event of an impact allows the door panel to be released from the side guides. This can be easily reset and reduces the risk of damage to the door panel/bottom beam.

Options

The doors can be customised to suit special requirements e.g. transparent door panels, side and top covers in stainless steel, 400V, three-phase motors, faster opening speeds etc.

A full range of activators such as pull cords, radio remote control, radar motion detector, induction floor loops and card readers are available.

For further information, please contact NORDIC door.