434 - PULL OR PUSH SIDE DOOR CLOSER

Freeman & Pardoe
Established in 1947

Fixed Power 3-4 door closer incorporating the UK's most innovative patented Ease of Access technology.

> **Specification:** Standard Arm Closer; Universal Fitting - CE approval in Pull Side (Figure 1), Push Side (Figure 6) or Transom Mount (Figure 61)*; Adjustable Latching & Speed as standard

> **Fire Tested:** Timber: 120 Minutes
> Steel: 240 Minutes

> **Cover Options:** Available in Square, Flowline or Trimplate

> **Ease of Access:** Incorporating proprietary and patented Ease of Access opening technology to assist in meeting door opening and Equality Act 2010 requirements and the maximum forces prescribed by Building Regulations Document M

> **Material:** British Extruded Aluminium and British Steel

> **Standards:** BS EN 1154 (Mechanical),
> BS EN 1634 (Fire Test),
> BS 8300 (Ease of Access)

PULL SIDE

PUSH SIDE

Pull Side – Figure 1		Push Side – Figure 6	
CE Power Size	Door Weight/Width	CE Power Size	Door Weight/Width
3	60kg/950mm	3	60kg/950mm
4	80kg/1100mm	4	N/A

*Transom Mount available in CE Power Sizes 3-4

DIMENSIONS

Body Dimensions (mm)		
Length	Height	Depth
213	60	46

Cover Dimensions (mm)		
Square		
Length	Height	Depth
240	75	50

> **Body Weight:** 1.75 kg

MEETING THE REQUIREMENTS FOR EASE OF ACCESS

The following table shows the efficiency of the 434 along with its ability to meet the requirements detailed in BS 8300 and Approved Document M (ADM) at varying door widths.

		Meets requirements of ADM at these door widths:		
Power Setting	Efficiency	900mm	925mm	950mm
3	71%	–	Yes	Yes

Minimum achievable door width 924mm

These results for minimum door widths were obtained via third party testing and meet the requirements of BS 8300 and ADM, however external factors such as hinges, seals, air pressure and variable fitting standards and positions may increase opening forces. Where these factors are out of the control of the Specifier, BS 8300 recommends: either the inclusion of an Electromagnetic Door Holder in conjunction with a Standard Door Closer; or alternatively to specify an Electromagnetic Hold Open or Swing Free Door Closer.

FINISHING TOUCHES

Freeman & Pardoe Door Closers are available in Polished Stainless Steel, Satin Stainless Steel and Brass as standard or are available in a range of RAL colours and exclusive patterns and finishes. Visit our website for more details or contact a representative for details of the full range.

ELECTRO-MAGNETIC DOOR HOLDERS

These units can be used in conjunction with a Standard Door Closer to hold a door open to aid Ease of Access throughout a building but since they are also linked directly to the Fire Detection system, as soon as the fire alarm sounds, all doors fitted with Electromagnetic devices are closed to prevent the spread of fire and smoke.

Power Range Suitability	3-7 in accordance with BS EN 1154

> **Standards:**
> BSEN 1155 (Electrical)
> BSEN 1634 (Fire Test)
> BS8300 (Ease of Access)

For the full specification and more information regarding the use of an Electromagnetic Door Holder, please visit our website.