



**DYNACO**  
High Performance Doors



# DYNACO D-501 COMPACT

**Push-Pull**  
gear driven technology



inside door

# DYNACO D-501 COMPACT

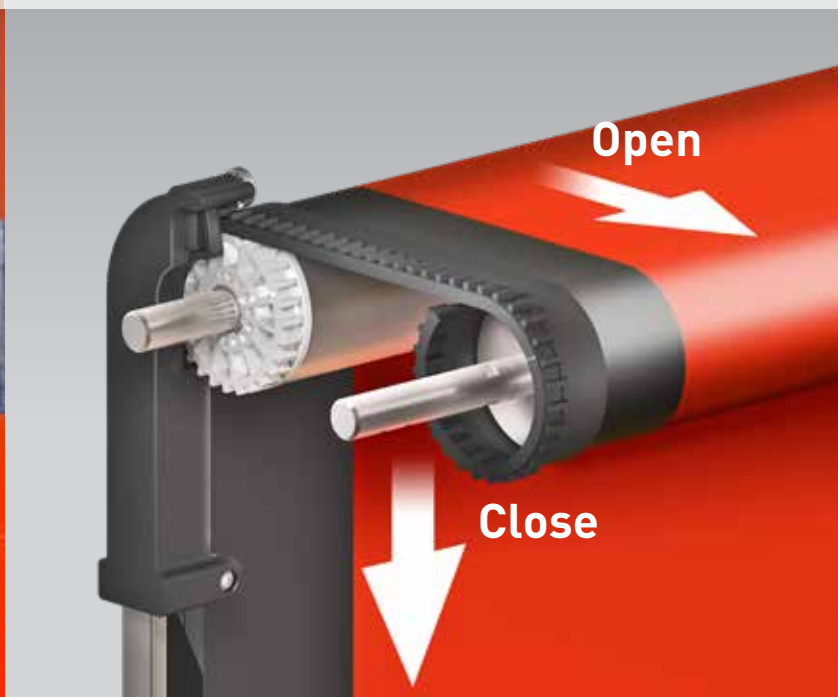
The Dynaco D-501 Compact is specifically designed for medium sized inside applications with intensive use. The improved “Push Pull” belt and reintroduction system increase reliability and comfort of use. The Dynaco D-501 Compact operates fast, smoothly and silently. It protects your environment against drafts, humidity, dust and dirt. Operating speed and perfect sealing properties improve your traffic flows and provide environmental control and savings on energy costs.

- **PATENTED “PUSH PULL” TECHNOLOGY:**  
Unique door drive system with increased longevity.
- **CRASH FORGIVING AND SELF-REINSERTING WITHOUT INTERVENTION:**  
The curtain automatically reinserts itself when dislodged. No repair costs, no production downtime.
- **HIGH SPEED OPERATION:**  
Up to 2,4 m/s depending on the size.  
Closing speed 1,2 m/s.
- **SUPERIOR SEAL:**  
Patented side frame assembly.  
Neither blade nor brush systems required.
- **USER SAFETY:**  
Flexible curtain without rigid elements.
- **COMFORT OF USE:**  
DYNACO wireless detector at the bottom.
- **ADVANCED DRIVE:**  
Frequency driven motor and encoder for smooth operation. Wearing elements are reduced to a minimum.
- **DYNALOGIC CONTROL BOX:**  
User-friendly control box with self-diagnosis.
- **CONFORM TO EN13241-1**

Easy to clean



New “PUSH-PULL<sup>PT</sup>” Drive Technology



# Push-Pull

gear driven technology



inside door

























## EN13241-1 STANDARDS

Standard	Ref.	Test acc.	Results
Water permeability	EN 12425	EN 12489	Class 2
Wind load	EN 12424	EN 12444	Class 1*
Wind permeability	EN 12426	EN 12427	Class 1**
Safe openings	EN 12453	EN 12445	Pass
Mechanical resistance	EN 12604	EN 12605	Pass
Unintended movements	EN 12604	EN 12605	Pass
Thermal transmittance	EN 12428	EN 12428	6,02 W/m <sup>2</sup> K
Performance (cycles)	EN 12604	EN 12605	1.000.000

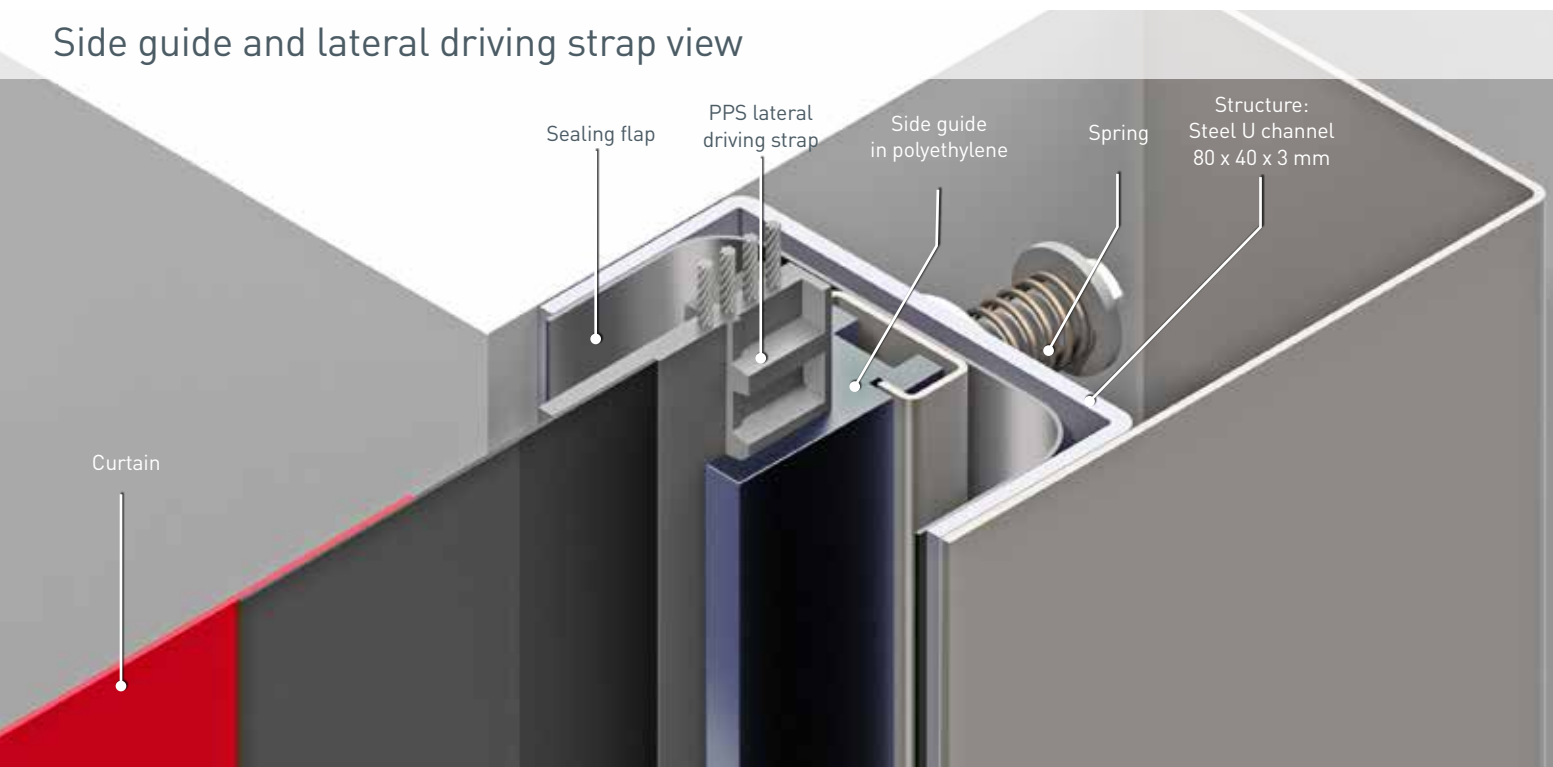
\* Interior applications only

\*\* Valid for a door of 3500 x 3500mm

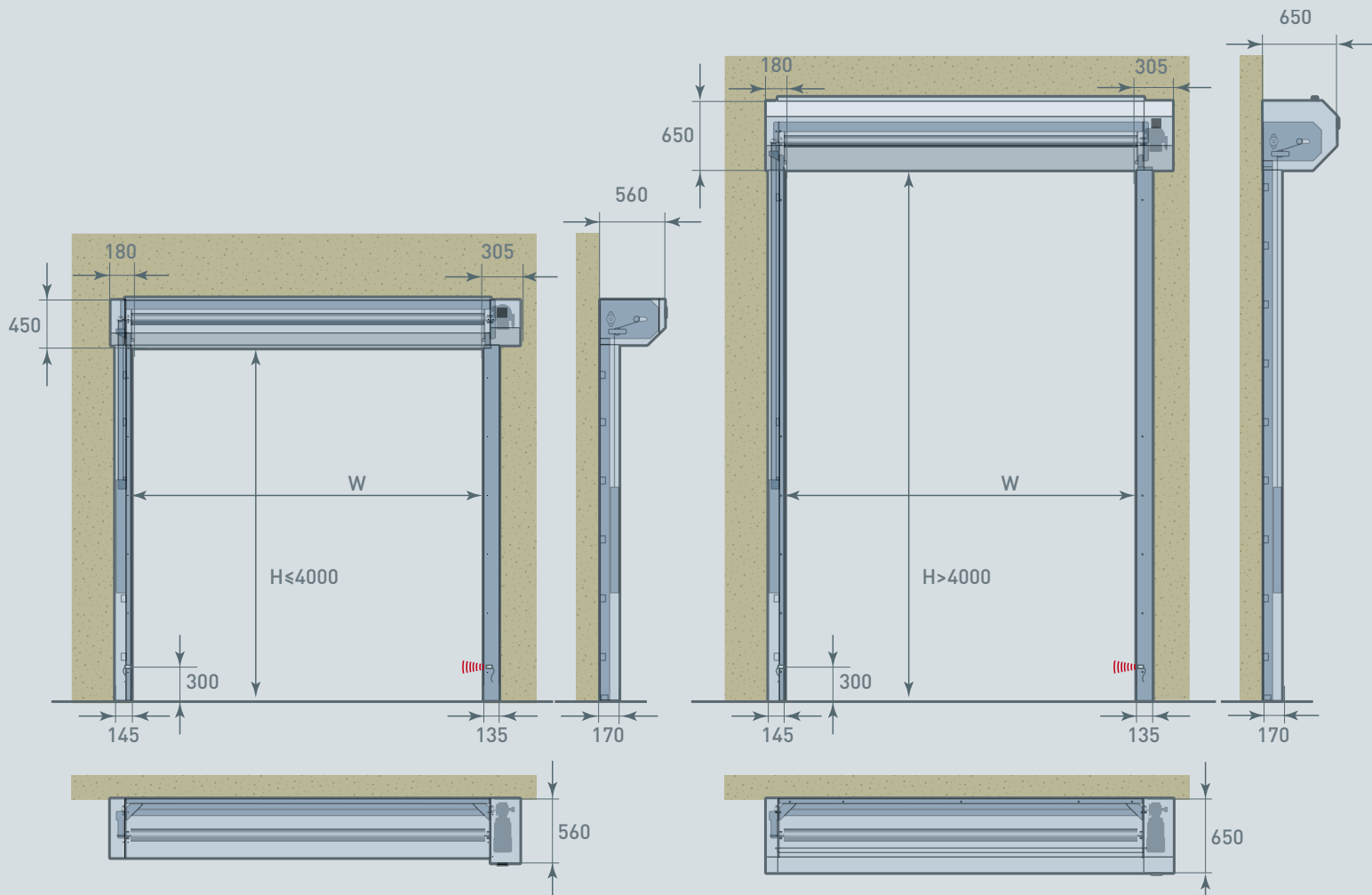
## CHARACTERISTICS

<b>Max. dimensions</b>	W 5.500 mm x H 5.500 mm																
<b>Opening speed</b> <b>Closing speed</b>	Up to 2,4 m/s 1,2 m/s																
<b>Structure</b>	Galvanised steel: 80 x 40 x 3 mm. Option: stainless steel.																
<b>Drum</b>	Steel - Ø 102 x 2 mm.																
<b>Side guides</b>	Reinforced polyethylene (PE-UHMW1000), with springs																
<b>Motor</b>	4 poles, without brake-power: 0,75 kW or 1,5 kW (depending on size and opening speed). IP rating: IP65.																
<b>Control box</b>	DYNALOGIC provided with: Circuit breaker, general divider, adjustable timer, push button for opening and reset, emergency stop and frequency inverter. IP rating: IP54																
<b>Standard detectors</b>	Infrared barrier: 300 mm from the floor. Wireless DYNACO detector (WDD).																
<b>Power supply</b>	Single phase 230V 0,75 kW = 14 A / 1,5 kW = 16 A																
<b>Frequency</b>	Frequency: 50-60 Hz																
<b>Available colours</b> comparable with:	<table border="0"> <tr> <td>Yellow RAL1003</td> <td></td> <td>Green RAL6005</td> <td></td> </tr> <tr> <td>Orange RAL2004</td> <td></td> <td>Grey RAL7035</td> <td></td> </tr> <tr> <td>Red RAL3000</td> <td></td> <td>White RAL9010</td> <td></td> </tr> <tr> <td>Blue RAL5002</td> <td></td> <td>Black RAL9005</td> <td></td> </tr> </table>	Yellow RAL1003		Green RAL6005		Orange RAL2004		Grey RAL7035		Red RAL3000		White RAL9010		Blue RAL5002		Black RAL9005	
Yellow RAL1003		Green RAL6005															
Orange RAL2004		Grey RAL7035															
Red RAL3000		White RAL9010															
Blue RAL5002		Black RAL9005															
(Actual colours may deviate. Colour samples available upon request)																	

## Side guide and lateral driving strap view



## Dimensions and installation requirements Dynaco D-501 Compact



All indicated dimensions are based on exact width and height dimensions only. The space necessary for mounting and maintenance has to be provided.

REMARK: Based on the risk analysis of the environment, extra push buttons, detectors and covers might be required.



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### About Dynaco

Founded in 1987, the Dynaco brand has a strong heritage and a wealth of expertise in high performance doors. Dynaco is committed to achieving excellence in quality and performance through a certified and dedicated network of partners, providing outstanding service to customers worldwide. Furthermore we trust our USA division and our licensed partners in Russia, Japan, China, Vietnam and Brazil to deliver on our customer promises. Dynaco is part of Entrematic—the home to some of the world's most innovative and leading brands within the entrance automation industry. The comprehensive range of product brands includes Ditec, Normstahl and em/Entrematic.