



# DYNACO D-641 POWER

**Push-Pull**  
gear driven technology



outside door

# DYNACO D-641 POWER

The Dynaco D-641 Power is specifically designed for medium sized outside applications with intensive use. It protects your environments against wind, rain, snow, dirt and extreme temperatures. Operating speed and perfect sealing properties improve your traffic flows and provide employee comfort, environmental control and savings on energy costs. Fully self-reinserting, the Dynaco D-641 Power will automatically reinsert itself in its side guides when the curtain is accidentally hit.

Special features for easy installation and maintenance reduce the cost of ownership, while the small build-in dimensions allow maximum use of the available space.

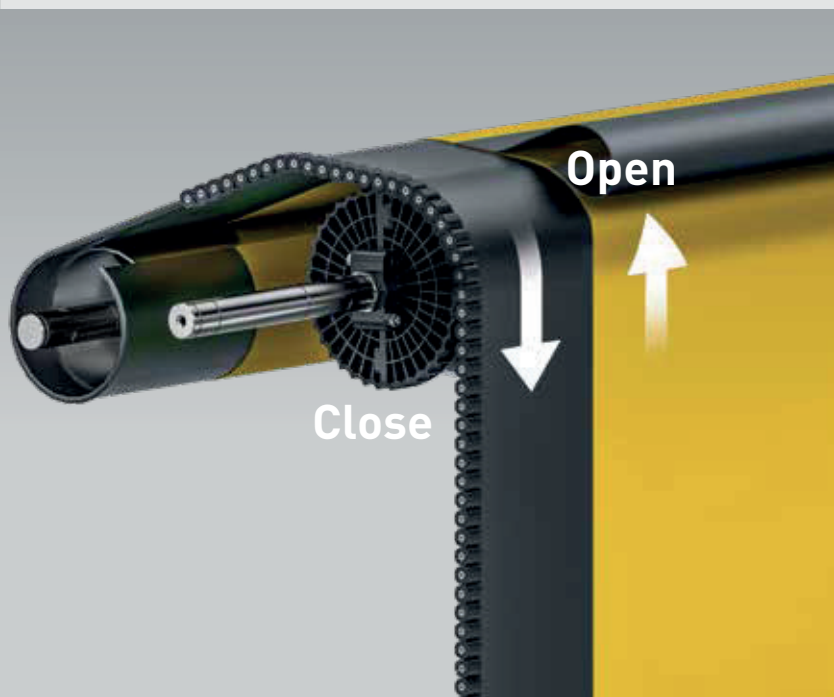
The special design of the driving system and reintroduction block reduce operating noise, increasing comfort of use.

- **ULTRA HIGH SPEED OPERATION:**  
Up to 3,6 m/s, depending on the size.  
Closing speed 1,2 m/s.
- **PATENTED "PUSH PULL" TECHNOLOGY:**  
Unique door drive system.
- **SUPERIOR SEAL, WIND RESISTANT:**  
Patented side frame assembly. Neither blade nor brush systems. Up to wind load class 4.
- **CRASH FORGIVING AND SELF-REINSERTING WITHOUT INTERVENTION:**  
The curtain automatically reinserts itself when dislodged. No repair costs, no production downtime.
- **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. Wearable elements are reduced to a minimum.
- **DYNALOGIC CONTROL BOX:**  
User-friendly control box with self-diagnosis.
- **CONFORM TO EN13241-1**

Easy maintenance



"PUSH-PULL<sup>PT</sup>" drive technology



# Push-Pull

gear driven technology



## outside door

### EN13241-1 STANDARDS

| Standard              | Ref.     | Test acc. | Results    |
|-----------------------|----------|-----------|------------|
| Water permeability    | EN 12425 | EN 12489  | Class 2    |
| Wind load             | EN 12424 | EN 12444  | Class 3*   |
| 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/m²K |
| Performance (cycles)  | EN 12604 | EN 12605  | 2.000.000  |

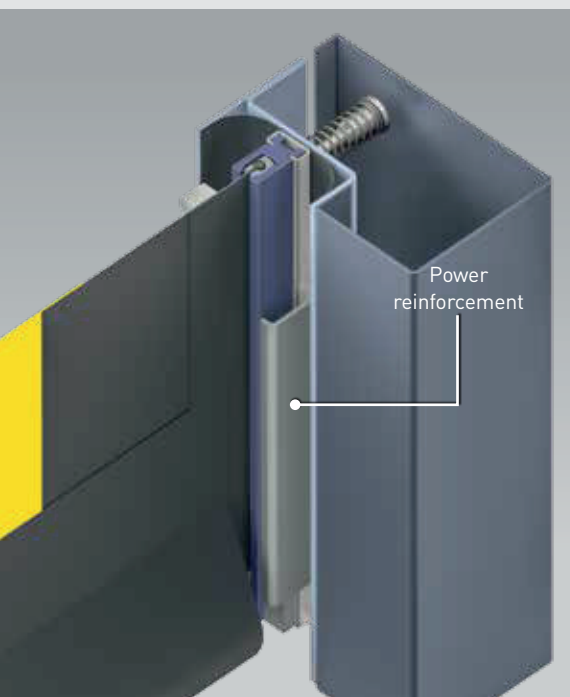
\* The indicated class for wind resistance applies for maximum dimensions. For doors up to W 4.000mm x H 5.500mm: Class 4

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

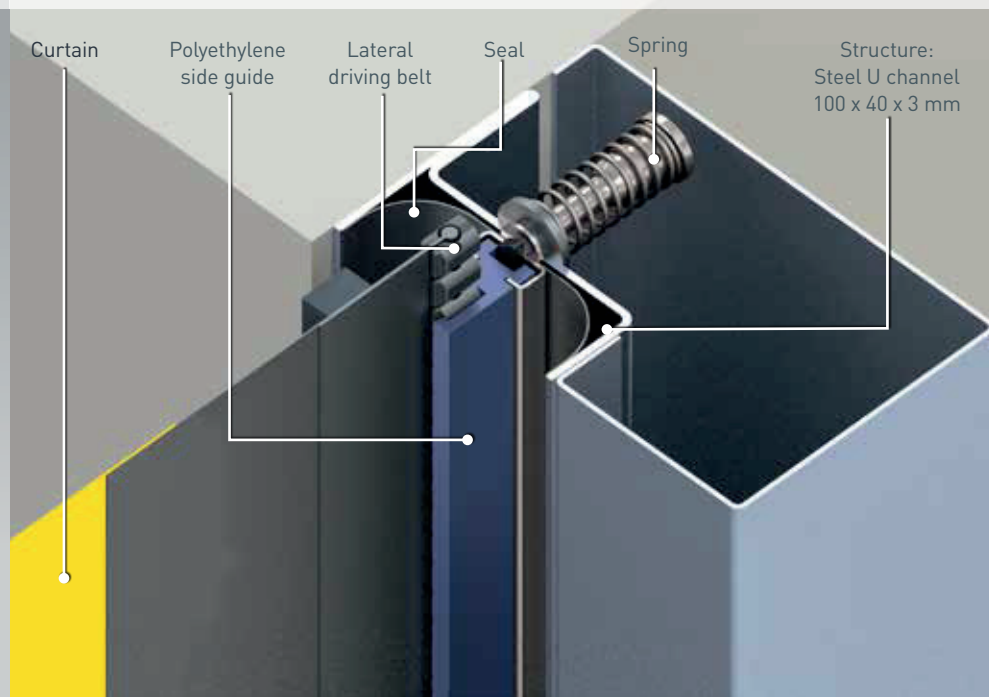
### CHARACTERISTICS

|                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Max. dimensions                                                     | W 5.500 mm x H 5.500 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Opening speed<br>Closing speed                                      | Up to 3,6 m/s<br>1,2 m/s                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Structure                                                           | Galvanised steel: 100 x 40 x 3 mm.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Drum                                                                | Steel<br>1 drum Ø 140 x 3 mm + 1 drum Ø 102 x 2 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Side guides                                                         | Reinforced polyethylene (PE-UHMW1000) on springs. Lower 300 mm of side guides reinforced.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Motor                                                               | 4 poles, without brake. Power 1,5 kW<br>IP rating: IP 65                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Control box                                                         | DYNALOGIC provided with: circuit breaker, general divider, adjustable timer, push button for opening and reset and emergency stop.<br>IP rating: IP 54. Frequency inverter.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Standard detectors                                                  | Infrared barrier: 300 mm from the floor.<br>Wireless DYNACO detector (WDD).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Power supply<br>Frequency                                           | Single phase 230V - 16 A<br>Frequency: 50-60 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Temperature range                                                   | -15°C up to +50°C (not for freezer applications)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Available colours comparable with:                                  | Yellow RAL1003  Green RAL6005 <br>Orange RAL2004  Grey RAL7035 <br>Red RAL3000  White RAL9010 <br>Blue RAL5002  Black RAL9005  |
| (Actual colours may deviate. Colour samples available upon request) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

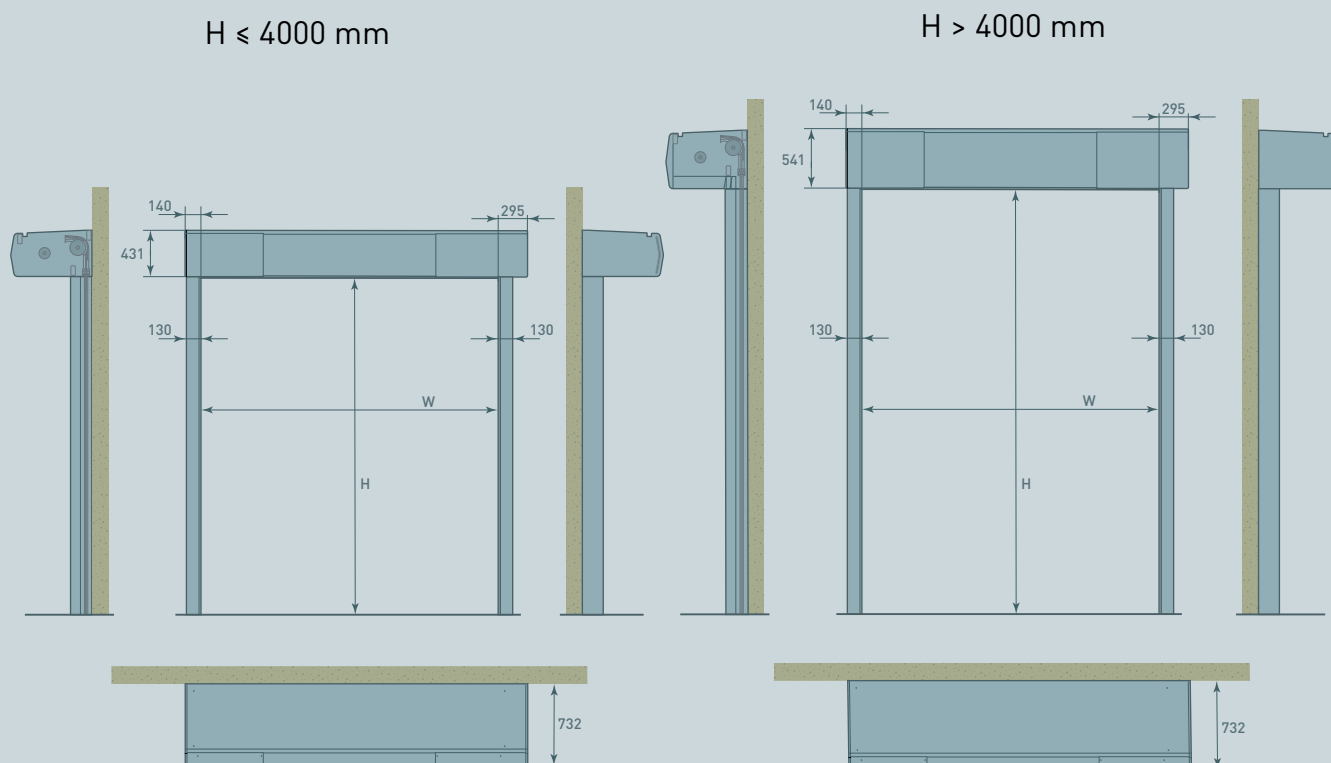
### Side reinforcement



### Side guide and lateral driving belt view



## Dimensions and installation requirements Dynaco D-641 Power



All indicated dimensions are net: the space necessary for mounting and maintenance has to be provided. Reduced dimensions: upon request.

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



SYSTON ROLLING SHUTTERS LTD. trading as

# SYSTON DOORS

ESTABLISHED 1920

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SUPPLYING AND INSTALLING **DYNACO** DOORS SINCE 1990  
WE ALSO SERVICE & REPAIR EXISTING **DYNACO** DOORS