



DYNACO
High Performance Doors



Dynaco I-14F FRAME

**Sectional
door**



outside door

Dynaco I-14F FRAME

THE NEXT GENERATION OF INDUSTRIAL OVERHEAD SECTIONAL DOORS

The Dynaco I-14F Frame overhead sectional door is one of the most stable overhead doors on the market.

It is suitable for all types of buildings, with regard to both function and appearance. High flexibility makes it possible to install this door in almost every type of environment.

The door slides up under the roof when opened, leaving the door opening completely free. The door is made of aluminium tubular profiles, filled with sandwich panels or acrylic windows. The high light admission makes this door the ideal choice for working environments that require maximum illumination.

The Dynaco I-14F Frame overhead sectional door has been designed to meet all operational and safety requirements in the European Directives and the standards issued by the European Standardization Committee, CEN.

■ USER SAFETY:

Thanks to the balancing system heavy forces are supported. In case of a spring or cable break, its counterforce is lost. The door is therefore equipped with safety devices that can block downward door movement.

■ ENERGY SAVING:

The fenestration allows natural daylight to enter the building, requiring less use of artificial light.

■ UNIQUE GLASS TECHNOLOGY:

Thanks to the 2,5 mm acrylic we create a better appearance of the facade without any reflexion.

■ MADE TO MEASURE:

This door is fully customizable with a large aesthetic choice.

■ WIND RESISTANT:

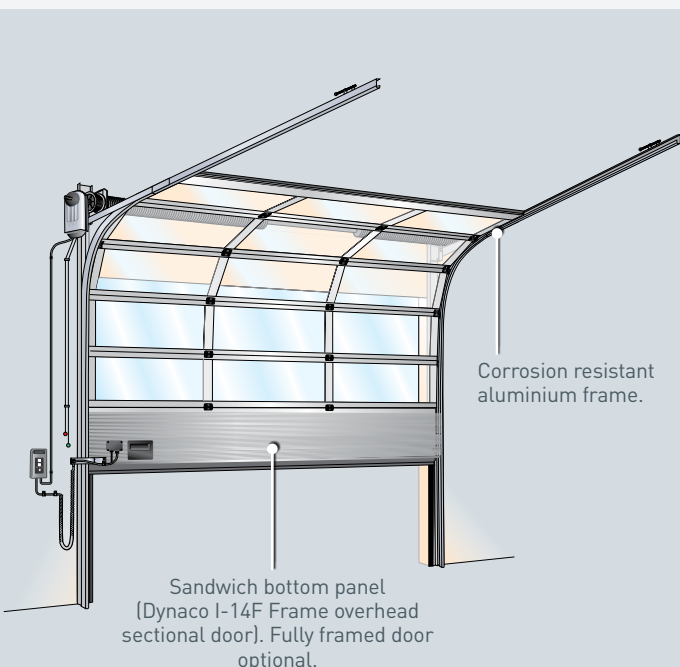
Wider door panels and panels with windows are reinforced with metal profiles that act as trusses.

■ ELECTRICAL OPERATION:

Optional: automated operation, access control, safety functions.

■ CONFORM TO EN 13241-1

Construction



Track types



Sectional door

outside door



TECHNICAL FACTS

Max size: (W x H)*	7250 x 6050 mm
Frame thickness:	44 mm
Frame material:	Aluminium tubular frames
Filling	Windows or insulated sandwich panels or infills
Weight	13 kg/m ²
Colours	The Dynaco I-14F Overhead Sectional Door is available in any colour on request. As standard, the frames are delivered in natural anodized aluminium.
Colours Bottom section	<p>Outside colour:</p> <ul style="list-style-type: none"> Standard frame section: natural aluminium Optional panel section: available in the 14 standard pre-coated colours RAL 1021, 3000, 5003, 5010, 6005, 7016, 7021, 7024, 8017, 9002, 9005, 9006, 9007, 9010. <p>Inside colour:</p> <ul style="list-style-type: none"> RAL 9002 - Gray white
Colours frames	Factory painting, all RAL colours
Colours infills	Factory painting, all RAL colours
Track types**	Standard: SL Optional: HL, LL, VL, HHL, SLL
Windows	Optional: DAS, DSS, DAD, DSD, TAD, TSD, SA3, SS3, SH4
Pass door	Optional: in door leaf or in side section
Electrical operation	Optional: automated operation, access control, safety functions

* On request available up to 9000 x 6050 mm

** See images

PERFORMANCE

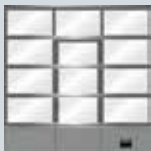
Opening/closing speed	ID07 operator: 0,25 m/s ID07 HD operator: 0,18 m/s ID07 2H operator: opening 0,5 m/s, closing 0,25 m/s
Expected lifetime	Door: 50.000 door cycles, 100.000 as standard Springs: 20.000 door cycles
Resistance to wind load, EN12424	Class 3 (≤ 4250 mm DLW***)
Thermal transmittance, EN12428	2,4 W/(m ² .K) triple acrylic glazing 3,6 W/(m ² .K) double acrylic glazing 5,7 W/(m ² .K) single acrylic glazing (Door surface 5000 x 5000 mm, no passdoor)
Resistance to water penetration, EN12425	Class 3 (no pass door)
Air permeability, EN12426	Class 3 (no pass door)
Acoustic insulation, EN ISO 10140-2	R - 25 dB

*** DLW= Daylight Width or clear opening width

Pre-coated range:

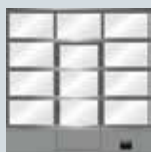
RAL1021		RAL7016		RAL9005	
RAL3000		RAL7021		RAL9006	
RAL5003		RAL7024		RAL9007	
RAL5010		RAL8017		RAL9010	
RAL6005		RAL9002			

Section options



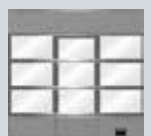
Low threshold pass door

The 900 mm wide low threshold pass door is designed with a sturdy and wide aluminium bottom profile of only 30 mm.



Normal pass door with 180 mm threshold

The pass door is constructed with a DYNACO I-14F bottom section and bottom seal. A reinforcement truss ensures the door's sturdiness and resistance to wind load.

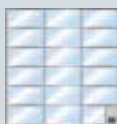


Windows

Different types of windows in single or double acrylic (frosted or tinted) or hardened glass are available.



Frame door with pane fillings in bottom section.



Fully glazed frame door.

Access and automation options



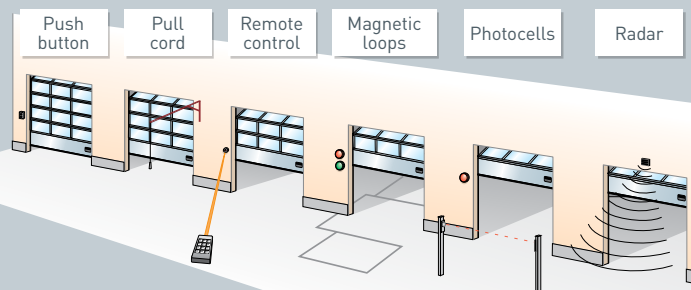
Assisted manual operation. Two different types of chain hoist are available, depending on door weight.



All manual doors can be upgraded with electric motors and automation.



Cylinder locks. Complete lock including handle and cylinder for both sides or only inside.



Installation dimensions and track systems Dynaco I-14F Frame



TYPE OF TRACK		DLW*	DLH*	HEAD-ROOM	SIDE CLEARANCE				DEPTH
					Manually	Manual chain hoist Model K up to 400 kg	Electric drive		
		Direct drive							
						ID07 ID01HD	ICH (Integrated Chain Hoist) ID03		
SL		≤ 8000	≤ 4500 > 4500	485 510	132 mm	+80 or +146mm depending on type	+ 140 mm	+ 40 mm	DLH + 600 mm
SLL		≤ 5500	≤ 4250	400	132 mm	+80 or +146mm depending on type	+ 140 mm	+ 40 mm	DLH + 900 mm
LL		≤ 8000	≤ 6000	265/300*	132 mm	+96 or +146mm depending on type	+ 172 mm	+ 40 mm	DLH + 1250 mm
* Doorweight > 250 kg, and/or pass door									
HL		≤ 8000	≤ 6000	320/370*	132 mm	+80 or +146mm depending on type	+ 140 mm	+ 40 mm	DLH-HL + 950 mm
* if HL > 3400 mm HL as VL mounted on a carrier (LB at least 1500 mm) (DLW < 6000)									
HHL		≤ 8000	≤ 6000	260/285	132 mm	+80 or +146mm depending on type	+ 140 mm	+ 40 mm	DLH-HL + 1100 mm
VL		≤ 8000	≤ 5500	DLH + 365	110 mm	+106 or +168mm depending on type	+ 140 mm	+ 40 mm	525 mm
* DLW= Daylight Width / DLH = Daylight Height									



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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.