

MOVEO[®]

Defining space the
quick and easy way.
The technology.





Defining space the quick and easy way.

DORMA MOVEO is opening up a completely new dimension in room partitioning systems. It underpins DORMA's world market leadership in this sector and you can profit from this development. Discover new possibilities for the flexible utilisation of your space. Adapt rooms in accordance with your individual requirements while maintaining maximum variability. Make the most of all the special advantages available

from this system – for specifiers, architects, operators and users alike. DORMA MOVEO offers a new departure in effective space configuration. With lighter weights, increased speed and improved flexibility. You too can benefit from this unique innovation, one that gives you more space to manoeuvre, more room to develop than ever before. Now and into the future. Welcome to DORMA MOVEO!



reddot design award
winner 2006

A new and *Easy operability*
Easy operability

New *Speed*

New *Flexibility*

The benefits of DORMA MOVEO® at a glance.

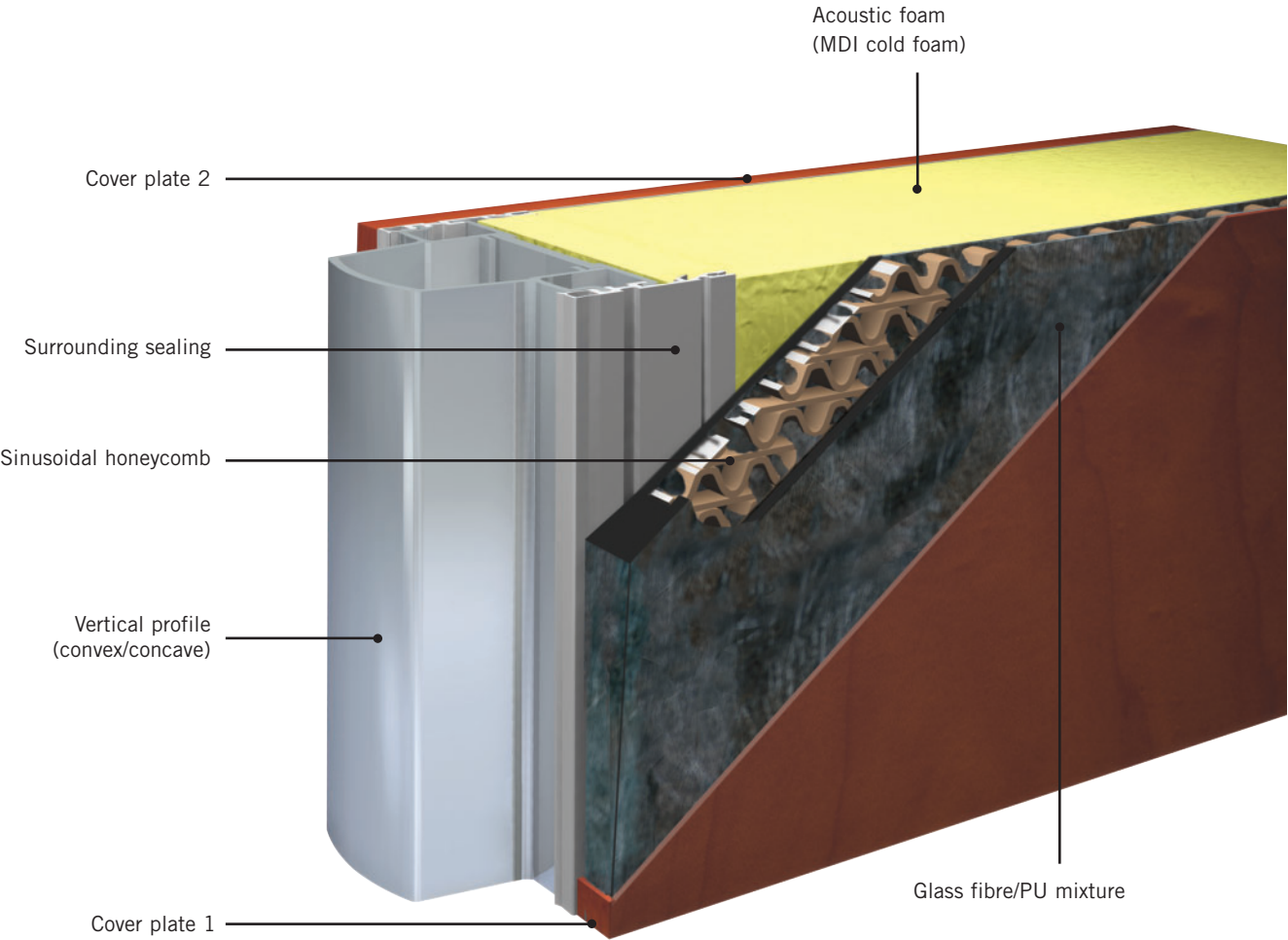
Throughout the world, DORMA MOVEO is setting new standards in operable partitions. Produced using a unique manufacturing process and designed with innovative high-tech materials, it offers some unique benefits. Take a look for yourselves.

- The advanced generation of movable walls, now made using innovative lightweight construction methods based on the very latest high-tech materials (LFI technology).
- Unique duplicate production process for maximum planning security, uniformly high quality and short delivery times.
- Previously unattainable low weights per unit area now enable operable partitions to be installed in buildings in which such constructions were previously ruled out for structural reasons. Despite their light weight, the stability of these movable walls leaves nothing to be desired.
- Amazing ease of movement of the sliding elements along the track.
- ComforTronic actuator mechanism provided as standard for maximum operating convenience plus more safety and reliability, no matter who is working the system.
- Partition opening and closing operations executed in around half the time of conventional partitions.
- Plug and play connectability ensures fast system installation and commissioning.
- The excellent sealing of the entire system yields outstanding inherent sound insulation.
- Effective smoke control provided as standard within a thoroughly well-conceived design.



	Conventional partition	DORMA MOVEO®
Weight/m ² (standard design)	approx. 40–45 kg	18 kg
Standard method of ensuring top and bottom acoustic seals are in place	By hand (with crank)	Electrically controlled automatic extension and retraction (ComforTronic)
Relative time savings for opening and closing	–	50 %
Method of construction	Heavy-duty steel/aluminium construction	Sealed lightweight composite construction
Manufacturing process	Manual fabrication	Modern industrial duplicate production
Outer shell	Chipboard/MDF board, low-emission classification (E1)	High-tech glass fibre composite board with LFI technology, emission-free (E0)
Smoke control	None, or subject to surcharge	Standard
Element thickness	80–160 mm (depending on design)	100 mm

Revolutionary lightness of weight, exceptionally stable.



Element construction

Sealed composite construction comprising glass fibre composite cover plates (LFI¹ boards) with core of acoustic foam (MDI² cold foam). Frame construction with all-round sealing profile. Aluminium profiles with integrated quad-lip gasket for optimum sealing of the element mating joint; aluminium chan-

nel sections (U-profiles) form the top and bottom closures and also serve as the mounting elements for the standard ComforTronic system. This revolutionary design ensures outstanding sound insulation and smoke leakage protection.

Cover plate (LFI¹ boards)

The two emission-free (EO) cover plates of the element consist of a sinusoidal honeycomb coated by robots on both faces with PUR resin with embedded long-fibre glass (LFI¹ technology). The entire surface is stiffened in all directions, with the length of the glass fibres contributing

to stability. LFI¹ technology is also applied in aircraft and automobile manufacturing. It ensures outstanding stability coupled with extremely low weights.

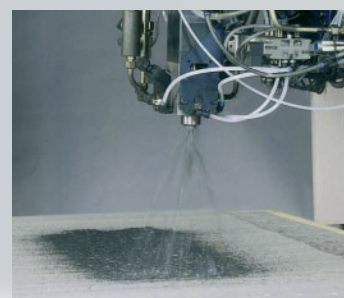
Innovative industrial production method.

DORMA MOVEO is manufactured from innovative materials that put all previous system elements far into the shade. The globally unique high-tech manufacturing process and the advanced lightweight system of construction ensure previously unachieved low unit weights. Heavily loaded components in automobile construction are manufactured from a similar

material. This technology enables the construction to be self-supporting. The design also ensures maximum stability combined with outstanding functional suitability for all forms of application. So don't settle for anything less. Demand DORMA MOVEO – the movable wall system that offers you the best of all worlds!

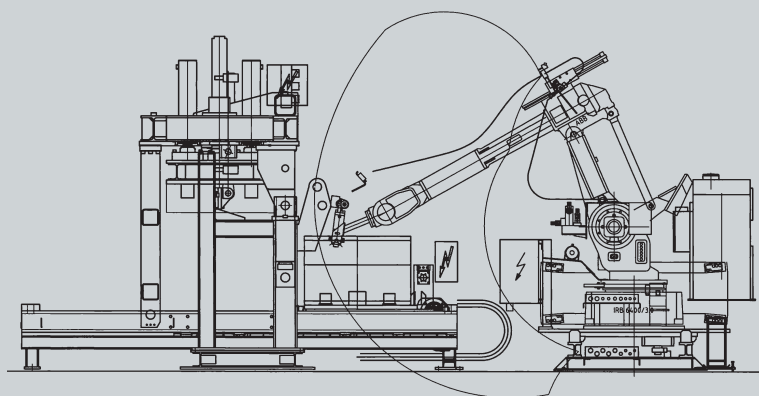


Surface finish (e.g. veneer, laminate or special functional surface)



Professionally manufactured cover plate. A robot applies the reaction mixture (glass fibre/PU) with the utmost precision on to the honeycomb structure.

- 1) LFI = Long Fibre Injection
- 2) MDI = Methyl Diisocyanate



Large presses compress the sturdy LFI¹⁾ cover plates, combining the components into a single, sealed composite.

Intelligent design down to the last detail.

Suspension system

The elements are suspended from impact-dampening (i.e. shock absorbing) roller bolts. This reduces the transmission of impact forces and operating noise, while also preventing flexure or fracture of the bolts. The elements, track and roller carriers are ideally protected. The vertical height of the elements can be readjusted while in their installed condition, i.e. without the need to open them up or remove them from the track.

ComforTronic®

The ComforTronic actuating system comes as standard and serves to extend and retract the horizontal seals (sealing strips) of the individual elements, and also the telescopic sleeve of the telescopic elements – all under automatic electronic control. This means that anyone can operate the partition without the need for special training. It also eliminates the time and effort associated with manual crank operations and extensively precludes operating error. Optimum sound insulation and system stability are always ensured. The entire partition opening and closing operation can be performed at twice the speed of that associated with conventional partitions.

Extendable horizontal sealing strips

Each element is provided top and bottom with extendable, spring-mounted, flexible double-chamber seals. These are actuated by the ComforTronic mechanism and, when extended, press against the floor surface and ceiling track. The spring pressure allows for automatic adaptability to floor unevenness. The ComforTronic ensures that the right contact pressure is always applied by the sealing strips, without overloading screed or other floor coverings. The result is optimum seal-tightness and stability of the system with the elements reliably prevented from being dislodged.

ComforTronic® control contacts

Power is transmitted from element to element via end-face sliding contacts. The system is supplied on a plug & play basis, i.e. the ComforTronic merely has to be connected to a power outlet. In the event of a power

failure, the sealing strips can also, of course, be manually operated. It also eliminates the time and effort associated with manual crank operations and avoids the operator forgetting to fully wind up the seals.



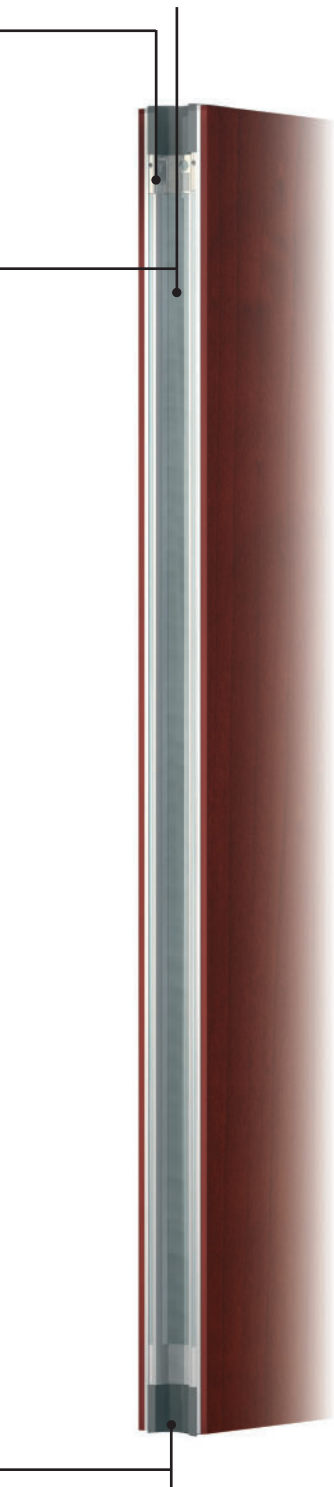
Surrounding sealing

The element is ideally sealed by an endless, all-round flexible extrusion (same frame sealing

principle as used for window casements), with the profiles and cover plates acoustically isolated as a result.

Element interconnection

Combined positive and friction locking, convex/concave aluminium profiles with generous mating depth and integrated quad-lip gasket for optimum sealing. The vertical profiles are mounted in flexible backing profiles for acoustic isolation.



Corner sealing

Specially shaped, flexible and flush-mounted sealing strip end mouldings of polyurethane ensure exceptional sealing top and bottom and increase the stability of the system.

Automatic extension of the seal assemblies by ComforTronic® actuation.



The elements of the DORMA MOVEO system are exceptionally easy to slide manually into place. As soon as two elements are pushed together, the end-face contacts close the power supply circuit and the ComforTronic extends the sealing strips under electronic control. This ensures that the partition is always

correctly closed and achieves optimum stability and sound insulation. Opening the partition again is merely a matter of throwing a switch. This causes the sealing strips to retract and the elements to be released, allowing them to be taken manually to their parking position – all with the utmost ease and speed.



Four product lines. Always tailored to your individual requirements.

DORMA MOVEO makes most of the decisions for you. Check out the table below to see what performance requirements apply to your project and which MOVEO partition is right for you. You will see that there is always a DORMA MOVEO that fits perfectly with your needs!

Performance features of DORMA MOVEO®	What are the performance requirements of your application?			
	A	B	C	D
Sound insulation	Spatial separation with low sound insulation	Medium or high sound insulation (e.g. for use in office areas)	High sound insulation (e.g. for frequent use for concurrent events)	Medium to high sound insulation (e.g. for use in public areas)
Design	Simple, uncomplicated and practical	Professional appearance, functional	Elegant, prestigious	Painted steel surface
Additional functions performed by the surfaces	No extras	Functional surfaces (e.g. for writing on or as projection surfaces)		Robust, magnetic surface
Layout configurations	Simple layouts	Special layout configurations or parking/stacking positions		
Element section	Standard elements sufficient	Elements required to have special properties		
	▼	▼	▼	▼
Your DORMA MOVEO®	Smart Line	Business Line	Design Line	Steel Line

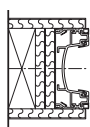


Smart Line	Business Line	Design Line	Steel Line
The clever solution that's right to the point	The functional solution for the professional working environment	The high value solution for exacting aesthetic demands	The sturdy solution able to withstand the toughest operating conditions
			

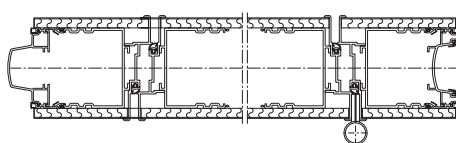
Dimensions				
Element thickness in mm	100			
Clear height in mm (min/max)	2,000 to 4,500 (from July 06: up to 9,000)			
Element width in mm	600 to 1,250			
Construction				
Construction type	Composite glass fibre boards with acoustic foam filling (MDI cold foam core)			
Element interconnection	Convex/concave aluminium profiles with sealing lips for combined friction and positive interlock			
Equipment				
Method of operation	ComforTronic (electronically controlled extension and retraction of the sealing strips)			
Smoke control to EN 1634-3	Standard			
Edging options				
With visible surface edging (K)	●	●	●	–
With protective encasement edging (U)	○	○	○	●
Surface finishes				
Classic Collection	●	●	–	–
Design Collection	○	○	●	–
Functional Collection	–	○	○	Steel sheet
Element types (further types in preparation)	Fullwall element Telescopic element Corner element Passdoor	Fullwall element Telescopic element Corner element Passdoor Double passdoor	Fullwall element Telescopic element Corner element Passdoor Double passdoor	Fullwall element Telescopic element Corner element Passdoor Double passdoor
Technology				
Sound insulation per EN 20140 in R_w / weight per m^2				
37 dB	● / 18 kg	–	–	–
47 dB	–	● / 26 kg	–	● / 31 kg
55 dB	–	○ / 40 kg	● / 40 kg	○ / 44 kg
U-value per DIN in W/m^2K	1.3–0.55			
Track type	K-type and R-type track			

● Standard equipment ○ Option – Not available

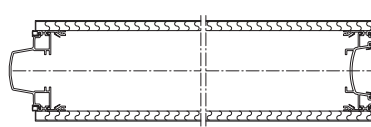
Subject to change without notice



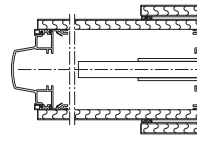
Concave wall
abutment



Passdoor

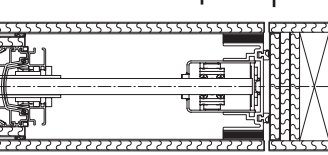


Fullwall element



Across the board, a design that truly sets the standard.

Possible passdoor variations (in mm)					
	Min. clear height of partition (min. LH)	Clear passage height (LDH)	Width of element (TM)	Clear through-passage (LD) (one wing open)	Clear passage width (LDB) (two wings open)
Passdoor	2.400	2.100	1.070	820	-
	2.400	2.100	1.170	920	-
	2.400	2.100	1.250	1.000	-
Double passdoor	2.400	2.100	957	820	1.670
	2.400	2.100	1.057	920	1.870
	2.400	2.100	1.137	1.000	2.030

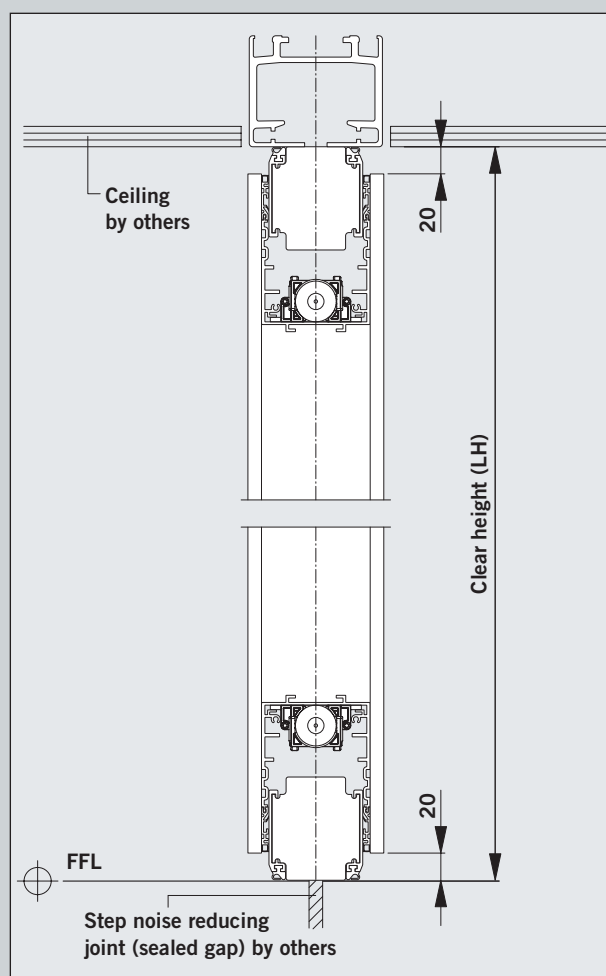


Telescopic element Wall abutment

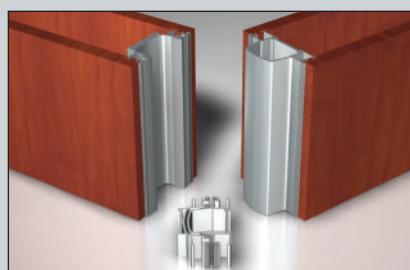
Wiring diagram and data

- a approx. 48 V, Ölflex factory-supplied cable 4 x 1.5 mm², length 6 m
- b Control unit (270 x 220 x 105 mm)
- c Factory-supplied cable 3 x 0.75 mm², Length 2 m
- d Power outlet by others
100–120 V or 200–240 V,
50–60 Hz, min.10 A
- e Cable by others 3 x 0.6 mm²,
flexible, max. length 20 m
- f Keyswitch

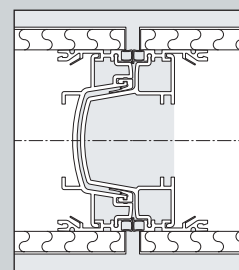
Vertical section.



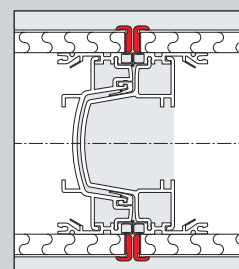
Edging design.



Visible edging (Type K)




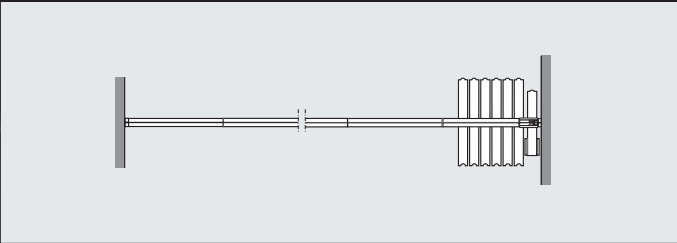

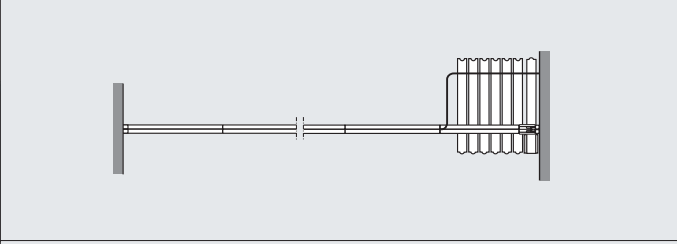

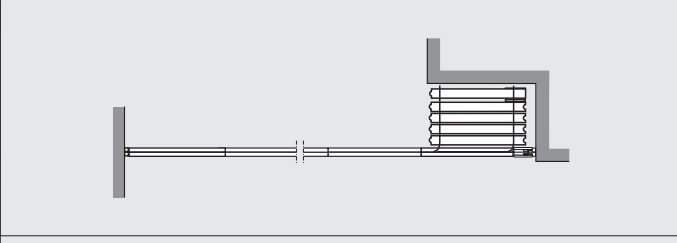
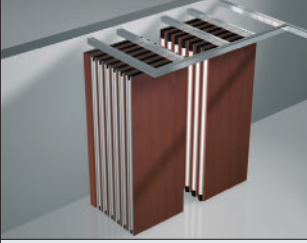
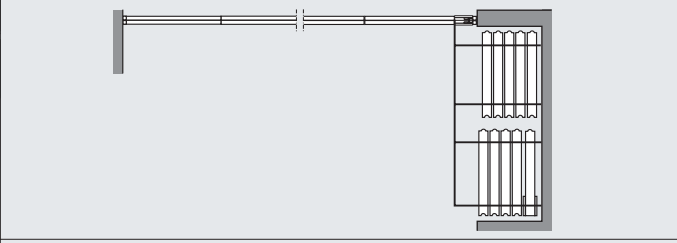

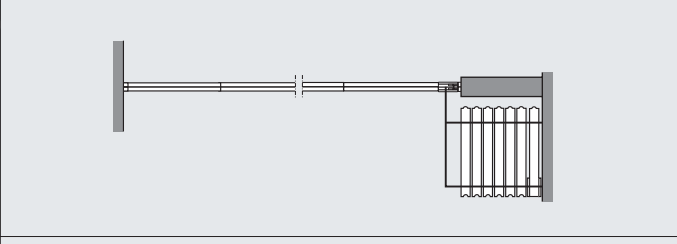

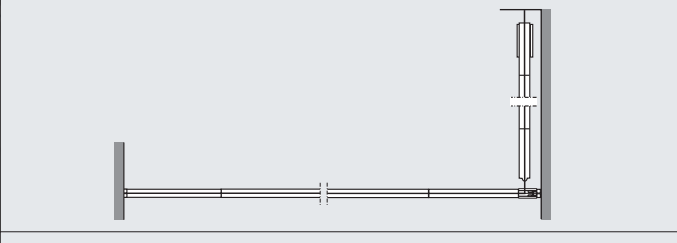
Protective casement edging (Type U)



Easy parking.

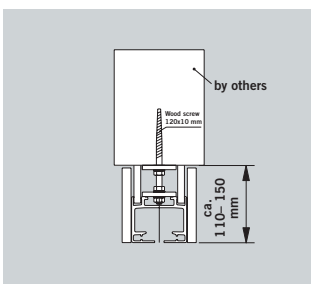
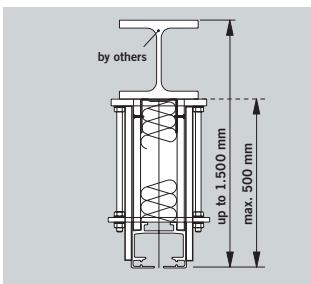
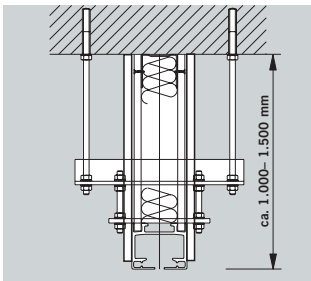
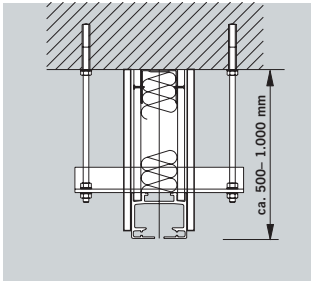
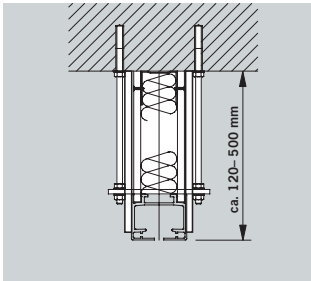
In their stacked position, the elements form a compact package and can be accommodated in the smallest of spaces depending on the room

situation. The low weight of the elements and the associated structural advantages are particularly noticeable here. Below you will find our standard parking solutions; individual solutions for special requirements are also possible.

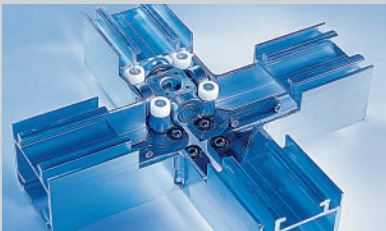
Inboard parking solutions		
		<ul style="list-style-type: none">- Single-point suspension- 90° to partition axis
Parking solution PL1		
		<ul style="list-style-type: none">- Two-point suspension- 90° to partition axis
Parking solution PL2		
		<ul style="list-style-type: none">- Two-point suspension- Parallel to partition axis
Parking solution PL3		
Outboard parking solutions		
		<ul style="list-style-type: none">- Two-point suspension- 90° to partition axis- In several stacks
Parking solution PL4		
		<ul style="list-style-type: none">- Two-point suspension- 90° to partition axis- Here with niche compartment door
Parking solution PL5		
		<ul style="list-style-type: none">- Two-point suspension- 90° to partition axis- Parked in a row arrangement
Parking solution PL6		

Suspension systems.

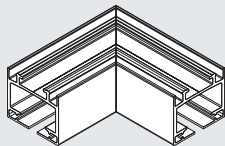
We have the right suspension system to suit any installation requirement – and here are a few examples:



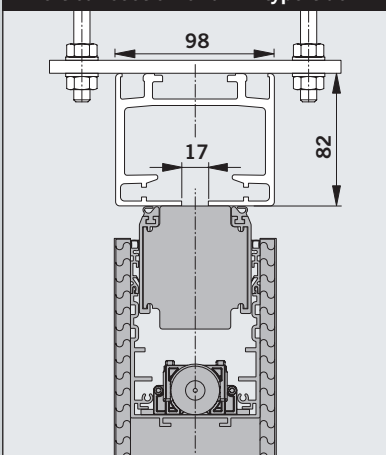
Track system type R.



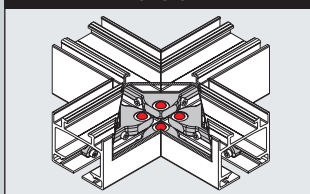
Corner track section



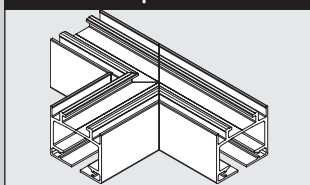
Vertical section of an R-type track



Intersection track with support rollers



T-piece

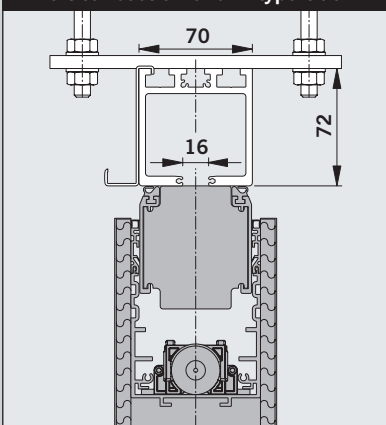


R-type track: Track system for right-angled configurations with cross-roller carriers for maximum possible layout variability; suitable for weights up to 500 kg per element. Support rollers in the junctions guarantee simple operation when sliding the elements across intersections.

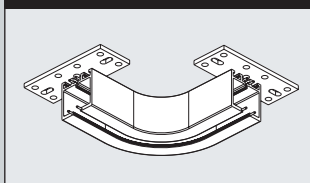
Track system type K.



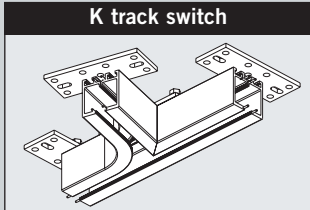
Vertical section of a K-type track



K track curve



K track switch

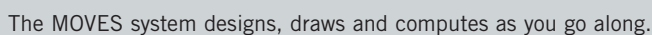


K-type track: Compact track system with minimum dimensions and mechanically coded junction technology with curves and switches for easy operation; suitable for weights up to 250 kg per element. With this track system, the elements are automatically guided to their position. Curved configurations possible.

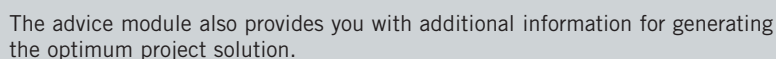
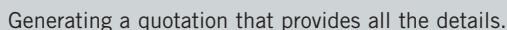
Three surface finish collections to suit the full range of design and functional requirements.

Classic Collection	Design Collection	Functional Collection
The Classic Collection offers a variety of high-quality decorative finishes. The materials used are scratch- and impact-resistant, making them exceptionally tough and hard-wearing.	The Design Collection comprises high-grade real-wood veneers which, with their natural beauty and typical interplay of colour, shade and grain, impart an individual character to any room. Also available are striking metal decors and RAL-painted finishes.	The Functional Collection contains surface finishes that impart to the partition a professional additional function. You can choose from the following surfaces: Rugged magnetic steel sheet for the toughest environments; write-on and magnetic surfaces; special projection surfaces for data and daylight projectors.
Range: <ul style="list-style-type: none"> ■ 12 solid colours ■ 6 wood reproductions 	Range: <ul style="list-style-type: none"> ■ 15 real-wood veneers ■ 2 metal decors ■ Painted finishes to RAL 	Range: <ul style="list-style-type: none"> ■ 4 magnetic/write-on surfaces ■ 4 projection surfaces ■ Steel sheet surface (painted to RAL) ■ Surface suitable for painting and wall papering
		
		
		
		
		

The surface finishes illustrated are just a few examples from the current collections. For detailed information on the surface finish collections, please consult our separate catalogues.



- Reduced planning process time
- Shows all layouts and views with dimensions
- Contains detailed parking system arrangements
- Provides support in finding the right solution for your project
- Illustrates the project with images from the catalogue
- Provides all the ordering data and prices





www.dorma-hueppe.com



Door Control



Automatic



Glass Fittings and Accessories



Security/Time and Access Control (STA)



Movable Walls

DORMA UK Ltd.
Hüppe Movable Walls Division
Wilbury Way
Hitchin
GB-Hertfordshire SG4 0AB
Phone +44 1 462 477600
Fax +44 1 462 477601
movablewalls@dorma-uk.co.uk
www.dorma-uk.co.uk

DORMA Polska Sp. z o.o.
Dział, cian przesuwnych
DORMA Hüppe
Ul. Warszawska 72
PL-05-520 Konstancin-Jeziorna
Phone +48 22 7365900
Fax +48 22 7365901
huppe@dorma.com.pl
www.dorma.pl

DORMA Ibérica S.A.
División Hüppe Muros Móviles
Camino de San Martín de la
Vega, 4
E-28500 Arganda del Rey (Madrid)
Phone +34 91 8757852
Fax +34 91 8757884
jpaller@dorma.es
www.dorma.es

DORMA Schweiz AG
Division Hüppe
Raumtrennsysteme
Industrie Hegi 1a
CH-9425 Thal
Phone +41 71 8864646
Fax +41 71 8864656
dorma@dorma.ch
www.dorma.ch

Ecker Hüppe Ges.m.b.H
Hollabrunnerstraße 4b
A-4020 Linz
Phone +43 732 600451
Fax +43 732 650326
office@ecker-hueppe.co.at
www.dorma-hueppe.de

DORMA Hüppe
Raumtrennsysteme
GmbH + Co. KG
Industriestraße 5
D-26655 Westerstedde/Ocholt
Postfach 2190
D-26648 Westerstedde
Phone +49 4409 666-0
Fax +49 4409 666-489
info.hueppe@dorma.com
www.dorma-hueppe.com