

Fittings for toughened
glass internal doors

DORMA



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Style and Function

Consistent companions.

They may often go unnoticed, but their overall effect is often quite breathtaking. They open and close, swing and slide. And they just look so good. DORMA fittings turn the fully glazed interior door into a delightful feature that enhances any entrance to and exit from a room.

But what about your requirements? What about your specific practical needs? Well, whatever they are, you can rely on DORMA fittings and accessories to provide a one-hundred-percent effective solution every time. For project or private applications. On swing or sliding doors. For high-frequency service and decorative adornment.

Wide-ranging designs, first-class materials and safety components in line with the latest state of the art mean the creative possibilities are virtually unbounded. And these include both view-inhibiting and sound-insulating solutions. Be prepared to be inspired: your ideas and DORMA fittings will be a formidable force indeed.





DORMA ARCOS Studio

Discreet perfection.

Even experts stand amazed: DORMA ARCOS Studio with its stylish arc motif and minimum space requirement offers an impressive raft of convincing arguments.

The many and varied combination possibilities of surface finish, lock functions and lever handle models satisfy every wish. The special ARCOS lever handle can be positioned at the front or rear as required and combined with either roses or followers.

On the locks side, there is a choice between warded, profile cylinder or Kaba cylinder. They all meet the requirements of DIN 18251, Class 3 having passed the type test involving 200,000 latch and 50,000 deadbolt operating cycles.



Over-arching aesthetics enhanced by outstanding quality of workmanship: the DORMA ARCOS Studio door hinge with sleeve, for 8 mm and 10 mm toughened safety glass.



DORMA ARCOS Studio

Accent on the attractive.

The epitome of elegance: DORMA ARCOS Studio emphasises the abundance and generosity of the glass surface. Each door fitting and each hinge underlines the value of transparency in interior architecture. With various surface finishes and lever handle types, the system is able to harmonise with both design-orientated and functional environments.

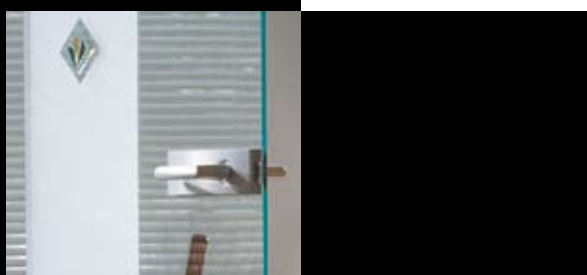


Surface finishes

DORMA ARCOS Studio is available in the following surface finishes:

- Aluminium, EV1-Deco (114)
- Aluminium, silver brilliant (103)
- Aluminium, brass-coloured EV 3 (105)
- Aluminium, similar to satin stainless steel (107)
- Traffic-white (300)
- Brass polished chromed (501)
- Brass polished/varnished (502)

Special finishes with anodised colours and other coatings can also be quickly provided on request.



Technical features

- Lever handle or knob – the dual-setting springing accommodates both alternatives to optimum effect
- Special cushioning elements provide for effective latch damping so the door clicks quietly yet securely into place
- The fully closed zinc die-casting lock case ensures enhanced protection
- A sturdy metal latch rounds off the proven stability concept

A rich selection of designer hardware.

Three different DORMA ARCOS Studio lever handle types can be installed with roses or followers – and located either to the front or to the rear in the case of non-lockable lock fittings. And there is plenty of choice of lockable lock models: with warded lever lock, Europrofile cylinder or Swiss standard 22 mm round cylinder.



DORMA ARCOS Studio Lock
non-lockable, lever handle to the front, prepared for rose-mounted lever-handle – with ARCOS rose-mounted leverhandle



DORMA ARCOS Studio Lock
non-lockable, lever handle to the rear, with follower and lever handle model 24.303



DORMA ARCOS Studio Lock
with Europrofile cylinder, prepared for rose-mounted lever handle – with lever handle model 24.308



DORMA ARCOS Studio Lock
with warded lever lock, with follower and ARCOS lever handle



DORMA ARCOS Studio Lock
with thumb turn (WC),
with follower and
ARCOS lever handle



DORMA ARCOS Studio Lock
prepared for KABA,
with follower and
ARCOS lever handle



DORMA ARCOS Studio Lock
non-lockable, lever
handle to the front,
with follower and lever
handle model 24.303
(View of the opposite
lockside)



DORMA ARCOS Studio Lock.
Lock case with its exceptionally rugged functional components designed to satisfy the requirements of the type approval test performed to DIN 18251, Class 3.



DORMA ARCOS Office

Stylish elegance.

With its flowing lines and expressive yet harmonious combinations, DORMA ARCOS Office invites you to open up the door of your mind to new ideas. This exceptional system has given rise to a particularly positive response for project applications.

Attractive design combines with refined functionality and robust technology. Locks comply with DIN 18251, class 3, in relation to their type testing with 200,000 latch and 50,000 locking bolt operating cycles. Furthermore most of the locks were tested successfully by a neutral testing institute with 500,000 latch and 100,000 locking bolt operating cycles.

Note from DIN 18251, class 3: "These locks are recommended (among other things) for front doors and public buildings (so-called project locks)."

Whether unlockable, with a warded lock or prepared for a profile cylinder, DORMA ARCOS Office solves every problem encountered in day-to-day usage. It also comes with a range of hinges to fit different frame types.

And the coordinated lever handle design with or without rose completes the line. Whatever the combination, these adorning features for glass doors certainly perform both their functional and their decorative tasks with aplomb.



Prestigious in all its guises: the DORMA ARCOS lever handle set, here with follower.



Blending elegantly as it arcs into the plane of the glass: the DORMA ARCOS Office hinge.



DORMA ARCOS Office

Heavy-duty elegance.

Reliable: DORMA ARCOS Office glass door fittings are able to withstand heavy usage. Day in, day out.

Whether non-lockable or prepared for Europrofile cylinders – DORMA's Office fittings have a long and successful track record, particularly in the project sector. DORMA ARCOS combines proven functionality with aesthetic elegance.



Surface finishes

DORMA ARCOS Office is available in the following surface finishes:

- Aluminium, EV1-Deco (114)
- Aluminium, brass-coloured EV 3 (105)
- Aluminium, similar to satin stainless steel (107)
- Traffic-white (300)
- Brass polished chromed (501)¹⁾
- Brass polished/varnished (502)¹⁾

Special finishes with anodised colours and other coatings can also be quickly provided on request.

¹⁾Availability on request



Technical features

- The sturdy metal latch with special low-noise damping elements for noise minimisation satisfy particularly high expectations, including the requirements of government agencies and public authorities
- The fully closed lock case provides optimum protection for the internal components which themselves are of rugged unit construction
- A special self-adjusting clamp follower holds the lever handle perfectly secure
- Special versions of the fitting manufactured in high-grade anti-corrosion materials are available for wet room applications

Prestigious in all its variants.

A lever handle specially designed for the DORMA ARCOS range completes the integrated design concept. It repeats the radius of the fitting for perfect styling harmony. Standard types of fittings in the materials and surface finishes indicated are available from stock.



DORMA ARCOS Office Lock
non-lockable, prepared for rose-mounted lever handle – with ARCOS rose-mounted lever handle



DORMA ARCOS Office Lock
with Europrofile cylinder, with follower and ARCOS lever handle



DORMA ARCOS Office Lock
with Europrofile cylinder, prepared for rose-mounted lever handle – with ARCOS rose-mounted lever handle and strike box



DORMA ARCOS Office Lock
with warded lever lock, with follower and ARCOS lever handle



DORMA ARCOS Office Lock
prepared for KABA,
prepared for rose-
mounted lever handle –
with ARCOS rose-
mounted lever handle



DORMA ARCOS Office Lock
non-lockable, prepared
for rose-mounted lever
handle – with ARCOS
rose-mounted lever handle
(View of the opposite
lock side)



DORMA ARCOS Office
Hinge



DORMA ARCOS Office
Lock.
Lock case with its exception-
ally rugged functional com-
ponents designed to satisfy
the requirements of the type
approval test performed to
DIN 18251, Class 3.



DORMA Studio Rondo DORMA Studio Classic

Slender lines in classic style.

DORMA Studio Rondo and DORMA Studio Classic have long passed their respective durability tests. But this is just one of the reasons why this sturdy system enjoys such incredible popularity.

Their classic lines, so perfect for the dwelling domain, underline the in-herently generous appearance of glass doors – whether with follower or in the rose version. Various lock solutions are available to suit individual requirements. And all the locks correspond in type-test terms to DIN 18251, Class 3: 200,000 latch and 50,000 deadbolt operating cycles.

The choice of materials, colours and surface finishes ensures perfect coordination with the surrounding decor – to the delight of customers everywhere. And planning and installation are also remarkably simple matters. The optimum clip-action assembly system guarantees maximum reliability in the daily comings and goings that any door has to negotiate.

Please find locks in further versions on the pages 8/9. Please see as well our technical brochure DORMA Studio Junior (WN 800.51.059.6.32).

DORMA Studio Rondo



DORMA Studio Classic:
where straight lines take
the honours.



DORMA Studio Rondo:
beautiful styling
over-arching to excellence.



DORMA Studio Gala

Elegance right down the line.

The perfect complement to prestigious fully glazed doors: DORMA Studio Gala with its dynamic design credentials makes an unerring style statement, so enhancing the high aesthetic elegance inherent in generously appointed glass architecture.

The system is suitable for all lever handles without roses and is based on standardised glass drilling work. Complete lever handle sets with various types of lock provide solutions for single and double-wing doors.

The basic lock units all satisfy the type-testing requirements of DIN 18251, Class 3: 200,000 latch and 50,000 deadbolt operating cycles.

Please find locks in further versions on the pages 8/9. Please see as well our technical brochure DORMA Studio Junior (WN 800.51.059.6.32).



DORMA designer lever handles: adding that extra sparkle to the door's appearance.



DORMA Studio Gala hinge: discretion as the better part of valour.



DORMA Junior Office

DORMA Junior Office DORMA Junior Office Classic

Solid arguments.

High levels of wear and tear in every day use require stability and resistance – and for many these are reasons enough to choose DORMA Junior Office as their project fittings. Or their equally tough, straight-laced counterparts, the Classic series.

The Junior line comprises a sophisticated system devised by professionals for professionals with many and varied options in surface finish and a wide range of lock types, lever handles and hinges. Frequent opening and closing will leave DORMA Junior Office completely unshaken. Locks comply with DIN 18251, class 3, in relation to their type testing with 200,000 latch and 50,000 locking bolt operating cycles. Furthermore most of the locks were tested successfully by a neutral testing institute with 500,000 latch and 100,000 locking bolt operating cycles.

Note from DIN 18251, class 3: “These locks are recommended (among other things) for front doors and public buildings (so-called project locks).”

Please find locks in further versions on the pages 14/15. Please see as well our technical brochure DORMA Studio Junior (WN 800.51.059.6.32).

DORMA Junior Office Classic



Coordinated with the look of the lock: the DORMA Junior Office hinge.



Timeless design: the DORMA Junior Office Classic hinge.



Special hinge with all the quality of simplicity: visible function and pure stainless steel give it an unmistakable appeal.



DORMA Universal

...as the name says

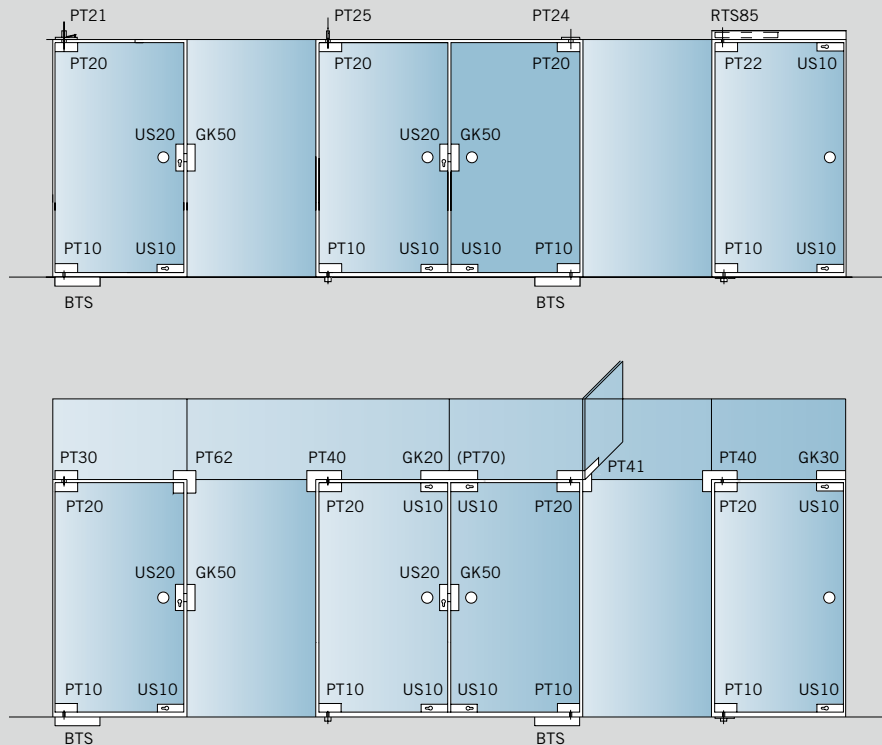
With its broad spectrum of basic types and complementary variants, the DORMA Universal range of patch fittings enables the realisation in toughened glass of almost any conceivable design. Toughened glass assemblies can be provided with stationary elements/side screens in widely differing arrangements – with corner fittings or fin fittings at different angles, and with double or single-action doors in single-leaf or double-leaf designs.

Easy glass preparation, secure fixing.

The fittings are designed for minimal preparation – the required glass apertures and drilled holes are easily provided. Significant design input has ensured the provision of maximum clamping surfaces for optimum hold. DORMA Universal fittings are supplied as standard for 10 mm glass, although gaskets for glass thicknesses of 8 mm or 12 mm can be supplied as optional extras.

All fittings are also suitable for use with large and heavy doors.
Max. door weight: 100 kg
Max. door width: 1,100 mm

Type selection



Variable pivot point.

The distance between the side screen and the door pivot point may be either 55 or 65 mm. A pivot point offset of 65 mm and the use of a special round profile ensure "nip-free" operation with a constant air gap of 4 mm. For double action doors the special fittings DORMA Universal can be offered.

Special compact-size fittings with a pivot offset of just 15 mm create such a small clearance between the door edges on the fitting side and the stationary components that finger entrapment is extensively precluded. In order to eliminate finger traps completely, the special radiused edging strip should be used.

Max. door weight: 80 kg
Max. door width: 1,100 mm

Matching locks.

The DORMA Universal range also, of course, includes a number of locks and strike plates of matching design.





DORMA VISUR

Purest clarity.

All-glass double-action doors without any visible fixings? Meet VISUR, a system patented for DORMA that secures double-action glass doors without the need for any visually disruptive functional elements. DORMA VISUR presents the door in perfect transparency. Rather than cluttering the clear outline of the leaf, the hardware components are all located in the surrounding structures. This absence of fittings means that the all-glass double-action door will match any room style, making the DORMA VISUR system a real boon to interior architecture.

100% transparent, 100% durable.

Frameless from top to toe – that's the DORMA VISUR's claim to fame, making life easier for architects and specifiers alike.

Because they can choose any material and any colour for the surrounding structures.



The DORMA VISUR system simply remains a discrete presence, fitting in with every design idea and reflecting it to maximum advantage.

Having successfully completed 500,000 operating cycles in its endurance test, there can be little doubt as to its outstanding quality – a 100% DORMA product in every respect.

... marvellously concealed – transom door closers.

In the case of DORMA VISUR all-glass double-action door, the closing function is performed invisibly by the transom-concealed DORMA RTS door closer.

This not only reliably returns the door to its zero position after each opening action, but also – thanks to special backcheck damping – protects the leaf from careless impact arising from excessive opening force. Thanks to a

hold-open feature included as standard, the door can also be retained at an opening angle of 90°.

Clampable projections – leaf-integral 'tongues' – provide the mating connection for the concealed pivot fittings top and bottom.

Hidden within the floor is the bottom bearing housing with the pivot bearing mounting designed for an offset of 65 mm. The depth of installation is 64 mm and the diameter of the bearing housing is just 126 mm.



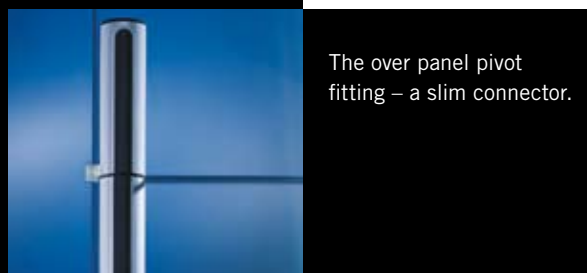
Glass 'tongue' in floor pivot housed in recessed casing.



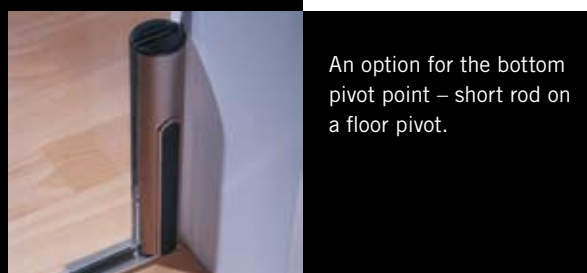
DORMA BEYOND

Safe and secure.

Safe, functional and extremely attractive, DORMA BEYOND, the unique system for glass swing doors. No risk of pinched fingers. The patented DORMA BEYOND swing door system with its pivot point located centrally in the glass axis and close to the glass edge ensures safety and security. The alternative options of elegant, continuous pivot rod or smart short rod make the system suitable for any room situation. And with a choice of pull handles or lock/lever handle combinations, DORMA BEYOND enables the realisation of your design ideas.



The over panel pivot fitting – a slim connector.



An option for the bottom pivot point – short rod on a floor pivot.



DORMA double action hinge

Back to zero – securely self-closing.

Toughened glass doors are becoming increasingly popular not only in the public domain but also in private households. The double-action alternative, with all its functional advantages, is often the preferred option. However, in the case of retrofits – e.g. as part of a building conversion or renovation project – problems have frequently arisen in the past. Installation of a floor spring to bring the door back to its closed position was always necessary. In cases where floor heating systems were already installed, or the floor covering was of particularly high quality, the floor spring and the recess required to fit it would often be ruled out, leaving a single action door as the only alternative. The large floor plate of the floor spring was also regarded as a visual disadvantage in certain applications.

Now, however, the new double action hinge from DORMA offers the perfect solution: invisibly integrated in the robust fitting is a spring mechanism that brings the door from any opening angle larger than 20° back into its zero position. This location can be adjusted at any time within the hinge, enabling double-leaf doors also to be aligned to each other.

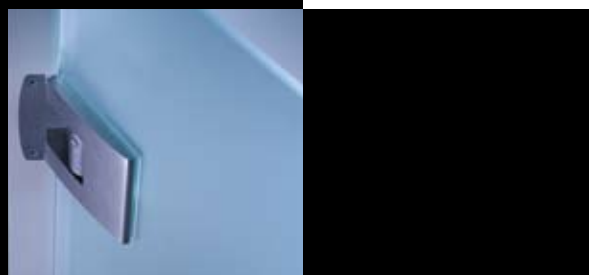
The DORMA double action hinge is suitable for a wide range of applications, with installation directly at the masonry or in combination with an unrebated through-passage frame. From walk-in wardrobe door to large, high-



frequency entrance door: the adjustable spring force ensures that the hinge can be ideally adapted to provide just the right amount of swing every time.

Technical data

- Max. weight capacity: 65 kg
- Max. door width: 1,000 mm
- For 8, 10 and 12 mm glass
- Simple glass preparation
- Hold-open at 90° opening angle related to the zero position
- Also suitable for high-usage doors (in-house test with 500,000 operating cycles)
- Suitable for wet rooms (in-house test performed to DIN EN 1670, Class 4/240 h salt spray test)



Exceptional design credentials.

The shape of the DORMA double action hinge has been taken from the ARCOS design system, recipient of many awards and proprietary-protected for exclusivity. The high value and quality of the fitting is underlined by the surface finishes in which it is offered – namely polished chrome-plated brass, matt chrome-plated brass and brass with a mock matt stainless steel finish.



DORMA TWIN

Transparent. Translucent.

Whether the purpose is to attract attention to or to shield the interior from view, the DORMA TWIN fully glazed door accommodates even the most personal of light and visibility requirements – depending on the need for openness or discretion.

This readily customisable door with its two-pane construction can be integrated in standard rebated frames. Outstanding heat and noise insulation properties make the DORMA TWIN particularly popular – and they can be further optimised through the installation of a disappearing door seal.

Incidentally: a fully tailored look can also be achieved by applying the appropriate designs to the interior faces of the panes in the protected air gap – for example with screen printing, engraving, etching or by using transfers.



The high-quality fittings are of polished stainless steel.



DORMA MANET pivoting door system

Room for creativity.

The decision in favour of glass in interior design constitutes a commitment to openness. Thanks to DORMA MANET, even the door is able to coordinate with the concept. The frameless DORMA MANET pivoting door system underlines the generous proportions typical of transparent architecture while offering a new departure in styling and format.

The product line is particularly flexible in terms of its many and varied integration possibilities. Whether in the masonry opening, with a glazed top light and side screens or in point-fixed glass wall constructions, the DORMA MANET pivoting door system adapts to both the plan and the reality without the need to compromise. And it can also be supplied with a centre or corner lock as required.



Powerful design credentials for exacting demands: pivoting door hardware with flush-mounted single-point fixings.



DORMA MANET COMPACT Sets

The DORMA MANET COMPACT swing door sets open up timeless, elegant possibilities in the design and construction of a broad range of installation types using 10 mm and 12 mm toughened safety glass.

Whether single or double leaf, and whether single or double action – with DORMA MANET COMPACT sets, swing doors become real design features.

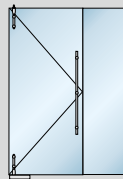
The high-quality stainless steel fittings with their single-point fixings applied directly on the toughened safety glass meet the highest requirements in terms of visual impact and workmanship.

DORMA MANET swing doors can be applied both in masonry openings and in toughened glass assemblies – in which they can be effortlessly integrated with over-panel and sidelight connectors. The result is a glass wall that exudes the very best in transparency, and expansive elegance.

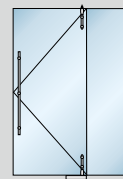
Pivoting doors Set 1



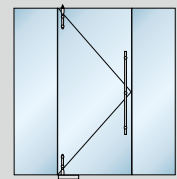
Construction 1 (1 set)



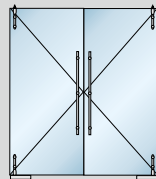
Construction 2 (1 set)



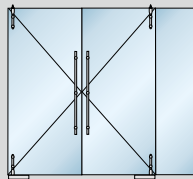
Construction 3 (1 set)



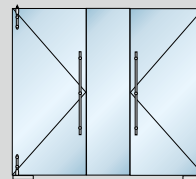
Construction 4 (1 set)



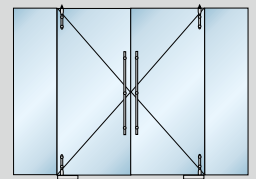
Construction 5 (2 sets)



Construction 6 (2 sets)



Construction 7 (2 sets)

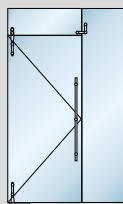


Construction 8 (2 sets)

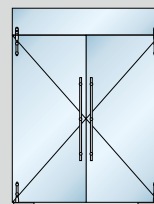
Pivoting doors Set 2



Construction 9 (1 set)

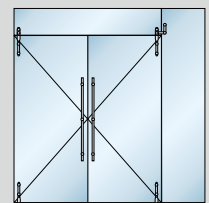


Construction 12 (1 set)



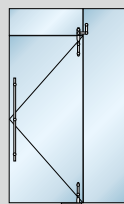
Construction 18 (2 sets)

Pivoting doors Set 2 + 3

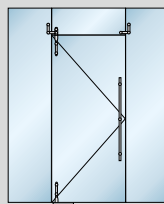


Construction 21 (each 1 set)

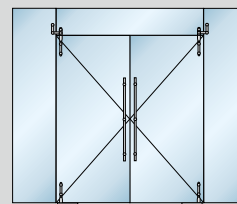
Pivoting doors Set 3



Construction 13 (1 set)







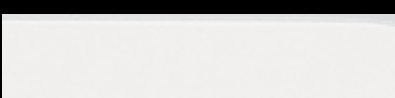



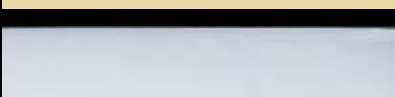



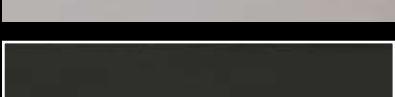


Construction 15 (1 set)

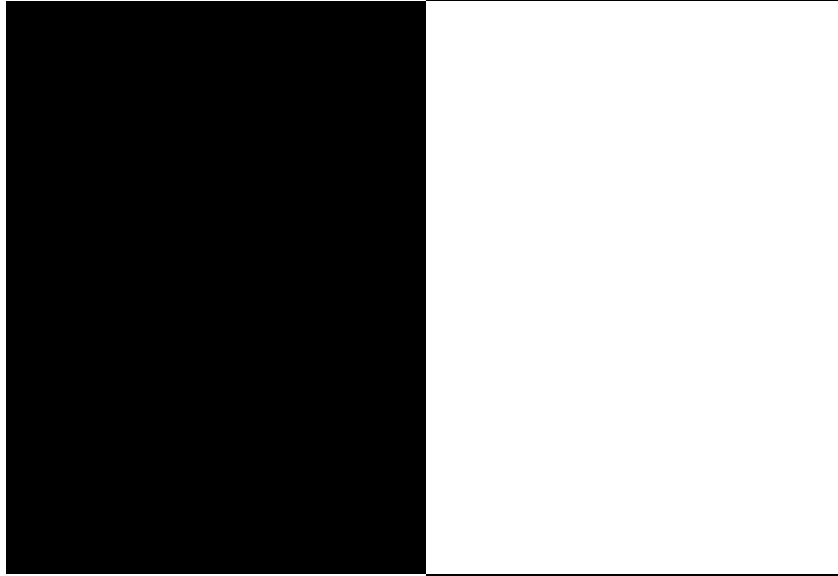


Construction 23 (2 sets)

Colour Samples

Standard finishes and colours	DORMA ARCOS Studio	DORMA ARCOS Office	DORMA Studio Rondo	DORMA Studio Classic	
 101 Alumin. silver EV1			●	●	
 114 Alumin. silver EV1-Deco	●	●			
 102 Alumin. champagne EV2			●		
 103 Alumin. silver brilliant	●				
 107 Alumin. similar satin stainless steel	●	●	●	●	
 108 Alumin. dark-bronze DB14			●		
 300 White RAL 9016	●	●	●	●	
 105 Alumin. brass-coloured EV3	●	●	●	●	
 500 Brass satin chromed					
 502 Brass polished varnished	●		●		
 501 Brass polished chromed	●		●		
 507 Brass similar satin stainless steel					
 700 Satin stainless steel					
 701 Polished stainless steel					
 304 Black			●		

	DORMA Studio Gala	DORMA Junior Office	DORMA Junior Office Classic	DORMA Universal	DORMA VISUR	DORMA BEYOND	DORMA Pendeltür	DORMA TWIN	DORMA MANET
	●	●	●	●					
					●	●			
	●								
	●	●	●	●		●			
		●		●					
	●	●	●	●					
		●	●	●					
							●		
	●			●					
	●			●			●		
							●		
		●		●					●
				●				●	
		●							



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