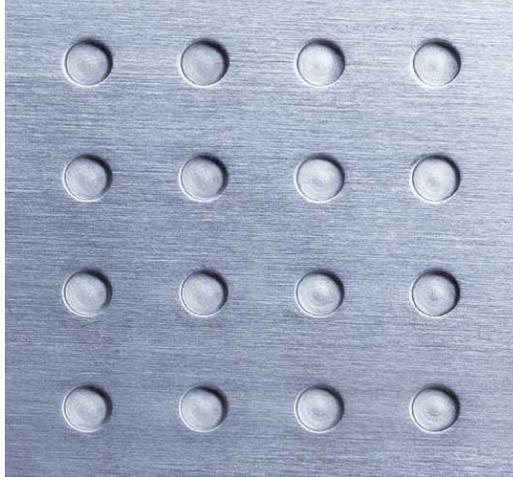
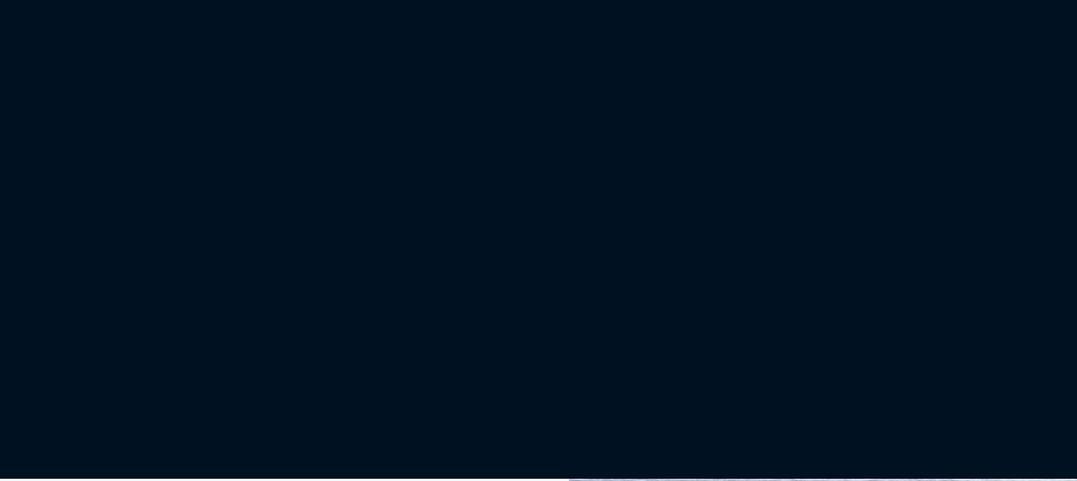


DORMA TS 93
System

Contur Design





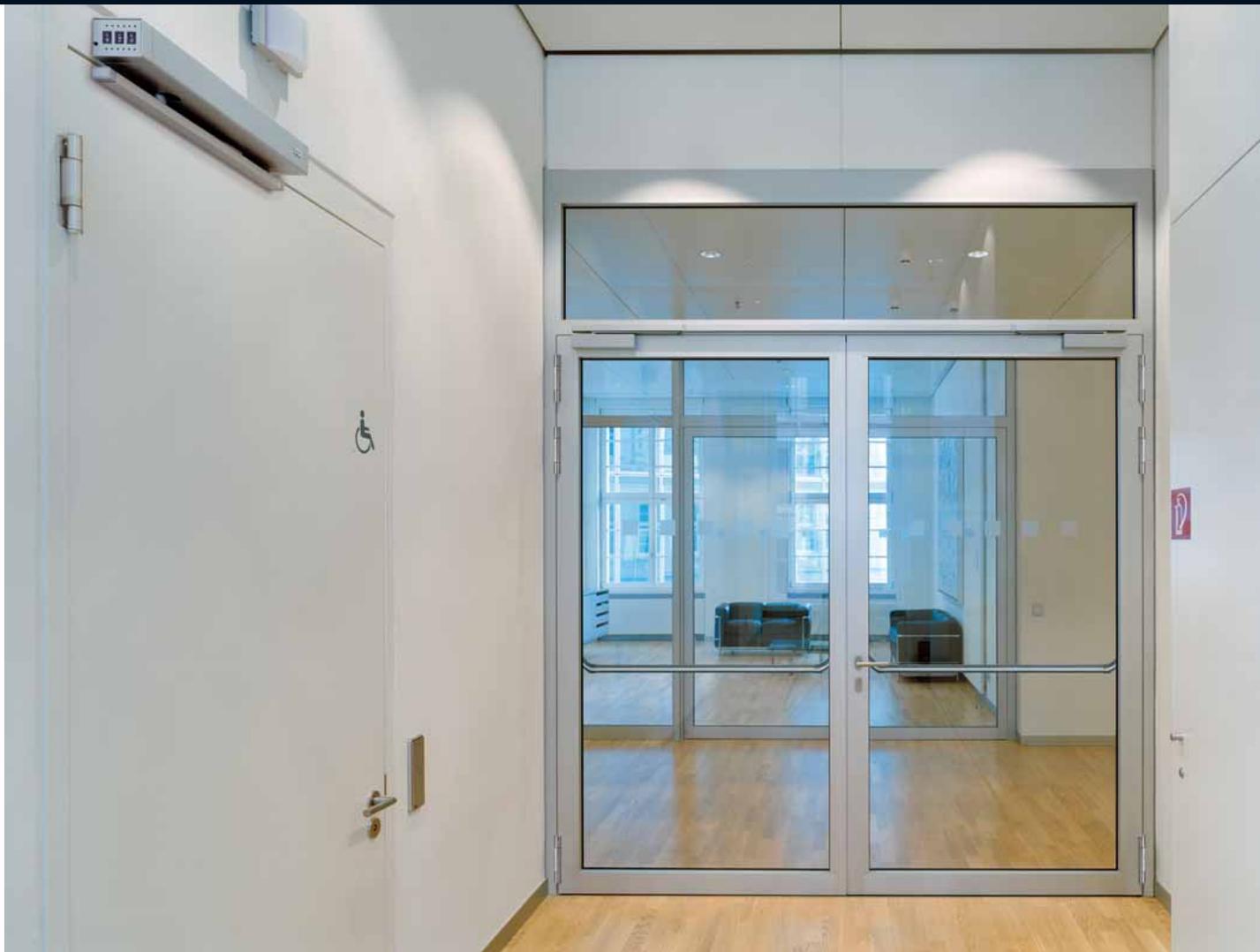
Tomorrow's functions for the architecture of today

The objective of modern-day architecture is to combine operational efficiency with design harmony – functional excellence incorporated within a uniform language of shape and style. Advanced products are therefore needed that can be both technically

and visually integrated within the architectural environment. The new DORMA Contur design concept offers precisely the solution required for ensuring homogeneity of appearance throughout the build.

GAP 15, Düsseldorf







The systematic solution to all application needs



The DORMA portfolio enables architects to implement complete, integrated concepts in projects of widely differing requirements. Our new products in the Contur design support both the classic and the modern style of construction, creating the optimum visual and functional solution every time. Combining advanced technology with cubic lines, the new DORMA TS 93 System is exemplary in this respect – ideally suited to any architectural ambience.

The DORMA Contur design concept – shaping creation for a new generation

DORMA is defining the design of the future. Clear, functional, uniform – these are the visual basics being applied to the new language of shape. Our approach to design successfully combines convenience and functional efficiency. It accentuates the individuality of the architecture by providing a harmonious conceptual style throughout the entire project building. The exemplary individuality of the DORMA Contur design concept was recognized

with the German red dot award in 2005. Now, the TS 93 cam action door closer system offers the first point of reference to this advanced, unifying approach.



reddot design award
winner 2005

Uniform design lines across all product groups

DORMA's various product groups will be recognisable in the future by their common Contur design lines. Among the features characterising this styling concept are the attractively perforated end caps. These closures are harmoniously integrated within the unit housings of all similar products. The new TS 93 offers the perfect embodiment of this elegant uniformity.

All the gap dimensions have been reduced to a minimum. One of the special highlights is the seamlessly integrated smoke detector.



TS 93 N

Uniformly enhanced aesthetics

Four different DORMA product lines, one identical design concept. The advantage: excellent technology for every application with a uniform look throughout the entire building.

The CD 80 in the Contur design is DORMA's compact automatic swing door operator. Thanks to modern hydraulics, it operates in almost total silence, making it suitable not just for larger developments but also for private dwellings.

The TS 97 is one of the most compact surface-mounted cam action door closers available. Its dimensions – with a depth of 37 mm – make it a particularly elegant and discrete solution while its Contur design serves to enhance the quality and appearance of any project door. The TS 97 also offers maximum ease of use with its heart-shaped cam for greatly reduced opening resistance.

As a modular operator, the ES 200, again in the Contur design, can be used for virtually any sliding door. With various "MiniDriveUnits" available, the system is readily adaptable to almost any set of requirements.

The TEGO Glass represents the most advanced automatic door solution available. Its expansive transparency and lightness of construction – achieved despite all the functional components being concealed within the profile system – will grace the appearance of any room. High safety and convenience plus minimal operating noise mean that the TEGO Glass, as a fully glazed swing door, offers an ideal solution to meeting individual requirements.





TS 93 N

This is the DORMA TS 93 in its standard configuration with the N-type slide channel. With its cam action technology, the TS 93 series offers exceptional user friendliness with reduced door opening resistance. Backcheck and delayed action come as standard.



TS 93 N



TS 93 EMF

TS 93 EMF

The DORMA TS 93 EMF enables single-leaf fire and smoke check doors to be held open at precisely the required position by an electro-mechanical mechanism. The system is released in fire situations, enabling the integral spring to close the door. The hold-open point can be adjusted between angles of 80° and 120°.



TS 93 EMR

Offering enhanced safety for single-leaf fire and smoke check doors, the DORMA TS 93 EMR is in a league of its own. With electro-mechanical hold-open and integral smoke detector, this system is able to function independently of other detectors and alarms.



TS 93 EMR





TS 93 G-SR-EMR



TS 92

Exclusive user convenience – inclusive

The DORMA TS 93 System is complemented by the DORMA TS 92 and TS 91 cam action door closers. The advantages of these two quality products, likewise available in the new DORMA Contur design, read as follows:

DORMA TS 92

This cam action door closer constitutes the ideal complementary unit to the DORMA TS 93. It is specially designed for interior doors up to 1100 mm in width, and boasts all the styling credentials of the new DORMA Contur design.

DORMA TS 91

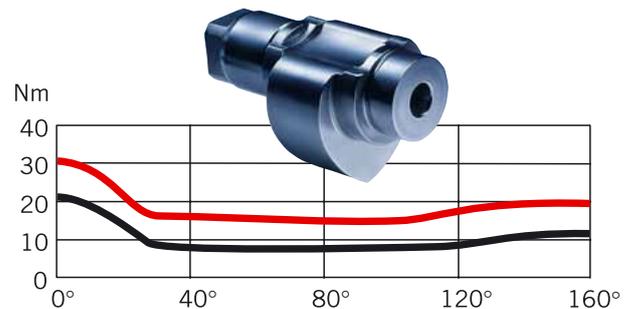
Specially designed for light interior doors up to 950 mm in width, this door closer likewise has all the impressive convenience of the resistance-reducing cam mechanism. The TS 91 can be mounted on the door leaf on the pull side, or on the transom on the push side, and again offers the significant advantage of the DORMA Contur design.



TS 91

Easy opening technology

The linear actuator and the heart-shaped cam serve to instantly reduce the resistance encountered when opening the door, offering an easy opening action much appreciated by, in particular, children and older people.



Force curves, spring strength EN 3

■ Opening torque
■ Closing torque

TS 93 System

The entire product range offers comprehensive door solutions for different requirements.

The complete system corresponds to European standards and carries the **CE** mark.

Closers for single-leaf doors



TS 93 N with slide channel



TS 93 EMF with electro-mechanical hold-open



TS 93 EMR with electro-mechanical hold-open and integral smoke detector

Closers for double-leaf doors



TS 93 G-SR with door coordinator



TS 93 G-SR-EMR with door coordinator and integral smoke detector with integral power pack

Accessories



Smoke detector with integral power pack



Smoke detector



Smoke detector



Perfectly matched: DORMA TS 93 door coordinator with integrated smoke detector

In accordance with the precepts of the new DORMA Contur design line, the RMZ smoke detector with power pack is incorporated in the closer to give an integrated appearance. And the intelligent array of functional hardware is equally impressive. The combinability of slide channels, door coordinator and electro-mechanical hold-open offers good practical solutions for a wide variety of double-leaf

fire and smoke check doors. There are three hold-open arrangements available to suit different application requirements. For maximum reliability, the DORMA door coordinator is equipped with a mechanical push-rod clamping system. As an option, we can also accommodate central monitoring and control by the building management system, with integration via a DCW bus and LON.

Another plus: The LED status display

The innovative status and service indicator is particularly useful. Its coloured LEDs signal three different situations.

An alarm module for audible warning signals can also be provided.



Status display:
Green – Standby



Status display:
Off – Fault
Red – Alarm
In the event of an alarm, the status indicator switches to red. The hold-open is released and the door closes under its own power.



Service display (shown here is the "Maintenance symbol")
Yellow = Fault (service necessary)
Yellow flashing – Maintenance due or contaminated condition (servicing necessary)



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Door Control Division worldwide



Door Control



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Glass Fittings and Accessories



Security/Time and Access Control (STA)



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