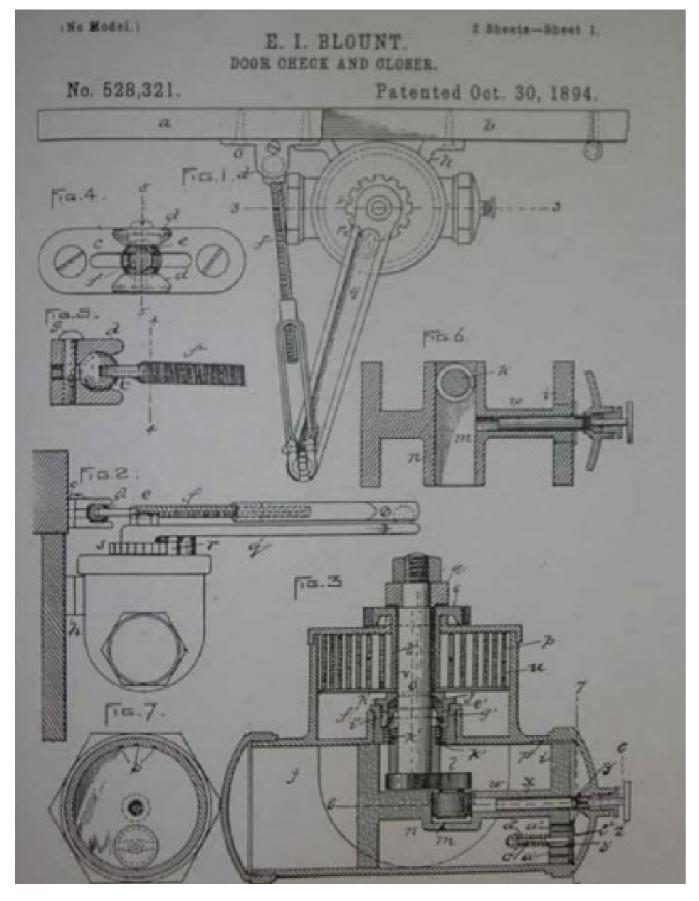




INNOVATORS SINCE 1908 - WORLD LEADERS IN DOOR CONTROL



SPECIFICATION SOLUTIONS FOR ALL DOOR REQUIREMENTS

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HOW IT ALL BEGAN...

Rudolf Mankel and his brother-in-law Wilhelm Dörken founded Dörken & Mankel KG in Ennepetal on 1 July, 1908. The first products to come out of the factory were double-action door hinges and milled screws. Right from the start, the two partners imposed the very highest quality standards on their products. The principle that applied even at that time – "Better the best at a good price than to disappoint our customers" - was destined to influence significantly the path adopted by the company, and it has indeed remained a constant right to this very day. The brand name DORMA, an acronym formed from the two surnames of the company founders, was registered with the German Patent Office in 1927.

After the upheavals of the Second World War, the company launched the TS 50 door closer, heralding a significant move in a sector into which we are today the world market leader. In 1962, DORMA began production of a range of door operators and so took its first steps into the automatics market. In 1970, Dörken & Mankel KG was renamed DORMA GmbH & Co. KG and the third generation of the family joined the company in the person of Karl-Rudolf Mankel. The ensuing period saw increased emphasis on global alignment and further extensions to the product segments. In 1976, the company moved into the field of glass door furniture and fittings, and 1977 saw the creation of a subsidiary specialising in this sector, DORMA-Glas. Also in 1977, we established our first foreign sales company in the form of DORMA France.

DORMA South Africa commenced trading as a wholly owned subsidiary of the German parent company, DORMA GmbH+Co, in the year 1982. There were three full-time and two part-time staff members. The first warehouse and office premises were located in Alrode South, in the southern suburbs of Johannesburg. Among the first major projects where DORMA door control products were installed was Groote Schuur Hospital in Cape Town, 11 Diagonal Street (the Diamond building), Johannesburg and The Saambou Building in Pretoria.

An Automatic door control division was started in 1989 and DORMA Glass had negotiated a joint marketing effort with Pilkington Toughened Glass division to market toughened glass door fittings. New product diversification was introduced by the addition of locks, handles and other associated door hardware thus offering a "round the door" solution to the market. This was fully implemented in 2004. This period also saw a further expansion of the DORMA Glass range into toughened glass wall fittings and partitioning systems.

The celebration of DORMA's 100th Anniversary was accompanied by the purchase and design of a new building for DORMA South Africa situated in Kya Sands to the north of Johannesburg, a fitting achievement for our 25th year of trading in South Africa. Today DORMA South Africa continues to grow from strength to strength with further expansion into new African markets. Together with our business partners we will maintain and strengthen our reputation as the market leader in innovative product, unsurpassed quality, outstanding service and exceptional support.





Glass Façade



KT Varioline revolving door



DORMA ES200 Easy

DORMA is actively involved in "green" projects.

Sustainability in the property market carries with it significant challenges. Climate change and increasing energy costs are driving the demand for economically and ecologically viable buildings.

The majority of project developers and investors see energy efficiency as one of the most important criteria in this regard, because studies prove that sustainable buildings are able to attract significantly higher rents

THINK GREEN

DORMA has long been a proponent of 'green' thinking. Environmentally sound and manufactured from top-grade materials, DORMA products have always excelled through high quality and the longevity that goes with it. And this is precisely why DORMA products are given such preference by many architects, particularly in building projects aligned to sustainability.

Open designs incorporating products from DORMA, such as our RODAN spider and single-point fixings for glass façades, enable daylight to be utilised and energy saved for maximum efficiency. Door closers and automatic door systems which, by reliably closing the barrier, reduce heat losses, make an additional important contribution to saving energy. Our ecological responsibility is also expressed in the fact that, for example, DORMA products offer the high quality and longevity necessary in any sustainable system.

DORMA's aim is to make the best possible contribution to building sustainability within the company's sphere of influence. All its products, and particularly its new and further developments, are required to satisfy all current demands in this respect and the door products and systems manufacturer is also about to send out another signal of its commitment to this cause: at its headquarters and main manufacturing centre in Ennepetal, Germany, preparations are now being made to introduce not only an environmental management system compliant with EN ISO 14001 but also an energy management system to EN 16001.



for a given level of construction cost and in this domain too, DORMA has proven to be a responsible partner in the national and international construction project business. From system advice to sustainable product quality, we offer a comprehensive, integrated portfolio designed to be conducive to a "greener" future.

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DORMA South Africa (Pty.) Ltd Head Office, Gauteng

Unique to the head office of DORMA South Africa (Pty.) Ltd is the founding idea behind its conception as a vehicle for product demonstration and working showroom. The incorporation of a comprehensive range of DORMA products in the building envelope serves to highlight functionality and aesthetics within a usable environment. Each and every applicable DORMA building and hardware component was employed or specified to showcase the range of solutions that DORMA has on offer within a functioning entity. Further to this, the 3 200m² head office boasts a full warehouse facility with an extensive stock content which facilitates prompt delivery to all centres countrywide.

Glass fittings and accessories such as MANET Sliding System were installed to showcase the seamless installation achieved, as well the versatility of the individual components, in turn this system has created an open and transparent working environment, enhancing the free-flow of communication amongst DORMA's workforce. Automated sliding door units such as the heavy-duty DORMA ES 200 applied to the glass entrance door has allowed for the reduction of heat losses and heat gains, and its stream line functionality enhances the 'welcome' factor to all DORMA visitors.

Guided tours, DORMA product training, informative presentations covering: Door Control, Door Furniture and Accessories, Panic Escape Hardware, and Glass Fittings and Accessories are readily available. DORMA CPD accredited Architectural Consultants are available to deliver Category One CPD activities via an informative lecture: Modern Door Controls – Their Contribution to Efficient Operation of Buildings, and encourage attendees to experience the discussion in DORMA's 'living showroom'.

For more information on CPD Presentations and DORMA product training, please contact: DORMA South Africa (Pty) Ltd - 2 Gravel Drive, Kya Sands Business Park, Kya Sands, Johannesburg, 2169

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Door Furniture & Accessories

A key priority in any Architectural professional's mind is aesthetics. Door furniture and accessories play an integral role in achieving vision and creativity in designed spaces. Contained within this section are a range of Door Handles, Locks and Accessories to suite a variety of applications.

Premier Range Stainles	ss Steel	
	SH844 Latch Keyhole Cylinder	Set AVAILABLE WHILE Set STOCK LASTS Set
	Bathroom / W.C SH855 Latch	Set Set
	Keyhole Cylinder Bathroom / W.C SH857	Set Set Set
	Latch Keyhole Cylinder Bathroom / W.C	Set Set Set Set
	SH860 Latch Keyhole Cylinder Bathroom / W.C	Set Set Set Set
	SH867 Latch Keyhole Cylinder Bathroom / W.C	Set Set Set Set
	SH873 Latch Keyhole Cylinder Bathroom / W.C	Set AVAILABLE WHILE Set STOCK LASTS Set Set
	SH874 Latch Keyhole Cylinder Bathroom / W.C	Set AVAILABLE WHILE Set STOCK LASTS Set Set

PAGE



Escutcheon	S	
	DKE-001	
	Stainless Steel Keyhole	Pair
	DCE-002	
0	Stainless Steel Cylinder	Pair
	DWC-005	
	Stainless Steel Bathroom W/C	Set
	DWC-006	
	Stainless Steel Disabled Bathroom W/C	Set
	DSQ-001	
	Stainless Steel Keyhole Escutcheons	Pair
	DSQ002	
	Stainless Steel Cylinder Escutcheons	Pair
	DSQ005	
	Stainless Steel Bathroom W/C with indicator	Set
	DSQ009	
	Stainless Steel Bathroom W/C without indicator	Set

Elite Range











DHM211 RY8	
Latch Keyhole Cylinder Satin chrome	Set Set Set
DH1031	
Latch Keyhole Cylinder Satin chrome	Set Set Set
DH1291	
Latch Keyhole Cylinder Satin chrome	Set Set Set
DH711	
Latch Keyhole Cylinder Chrome/Satin chrome	Set Set Set
DHM1181	
Latch Keyhole Cylinder Polished/Brushed brass or Chrome/Satin chrome	Set Set Set
Keyhole Cylinder Polished/Brushed brass or	Set

DORMA | Door Furniture and Accessories



Elite Range continued



DH0207	
Latch Keyhole Cylinder Superinox satin or Bio chrome polished	Set Set Set
DH0202	
Latch Keyhole Cylinder Polished/Brushed brass Chrome/Satin chrome or Superinox satin	Set Set Set
DHM450	
Latch Keyhole Cylinder Polished or Stain brass Polished/ Satin chrome or Antique bronze	Set Set Set
DHM1281	
Latch Keyhole Cylinder Satin brass Satin chrome	Set Set Set
DHM1320	
Latch Keyhole Cylinder Polished or Satin brass Satin chrome	Set Set Set
DHM1451	
Latch Keyhole Cylinder Polished chrome Satin chrome	Set Set Set









|--|

Designer Range





LRS111

Latch
Keyhole
Cylinder
Bathroom W/C
Satin Chrome or Polished Chrome

LRS115

Latch Keyhole Cylinder Bathroom W/C Satin Chrome or Polished Chrome	AVAILABLE WHILE STOCK LASTS	Set Set Set Set
---	--------------------------------	--------------------------







LRS129 Latch Keyhole Cylinder Bathroom W/C Satin Chrome and Polished Chrome SZC030 Latch Keyhole Cylinder Bathroom W/C Satin Chrome **CB30** Latch Keyhole Cylinder Bathroom W/C Satin Chrome or Polished Brass



CB75 Latch Keyhole Cylinder Bathroom W/C Satin Chrome or Polished Brass

DORMA | Door Furniture and Accessories

PAGE 12

Set Set Set Set

Set

Set

Set

Set

Set

Set

Set

Set

Set

Set

Set

Set



Designer Range continued CB17 Latch Set Keyhole Set Cylinder Set Bathroom W/C Set Polished Brass only Escutcheons LRS Keyhole Pair Satin Chrome, Polished Chrome or Two Tone LRS Cylinder Satin Chrome, Polished Chrome or Two Tone Pair LRS W.C Turn and Indicator Satin Chrome, Polished Chrome or Two Tone Set Stainless Steel Care DORMA Stainless Steel Cleaner Stainless steel has excellent corrosion resistance, lustre, strength and durability. However, it is not stain or rust proof. Regular maintenance is required to keep stainless steel clean and free of NS AND PROTECTS AL contaminants. 190 ml Specifically formulated to clean and maintain LESS STEEL CL stainless steel, the DORMA Stainless Steel Cleaner removes contaminants as well as surface rust, restoring corroded, damaged and unsightly stainless steel to its former bright and shiny finish (provided that the metal is not pitted).

Square Stainless Steel DSQ901 Latch Set Keyhole Set Set Cylinder Bathroom W/C Set DSQ902 Latch Set Set Keyhole Cylinder Set Bathroom W/C Set DSQ903 Latch Set Keyhole Set Cylinder Set Bathroom W/C Set DSQ904 Set Latch Keyhole Set Cylinder Set Bathroom W/C Set Escutcheons DSQ001 Stainless Steel Keyhole Escutcheons Pair DSQ002 Stainless Steel Cylinder Escutcheons Pair



Escutcheons continued DSQ005 Stainless Steel Bathroom W/C with indicator Set DSQ009 Stainless Steel Bathroom W/C without indicator Set Solid Stainless Steel SH810 Set Latch Keyhole Set Cylinder Set Bathroom W/C Set SH811 Latch Set Keyhole Set Cylinder Set Bathroom W/C Set SH812 Set Latch Set Keyhole Cylinder Set Bathroom W/C Set SH814 Set Latch Keyhole Set Cylinder Set Bathroom W/C Set

SH815

Latch Keyhole

Cylinder

Solid Stainless Steel continued





Bathroom W/C	Set
SH816	
Latch Keyhole Cylinder Bathroom W/C Satin and Polished S.S	Set Set Set Set
SH817	
Latch Keyhole Cylinder Bathroom W/C	Set Set Set Set
SH819	
Latch Keyhole Cylinder Bathroom W/C	Set Set Set Set



SH875	
Latch	Set
Keyhole	Set
Cylinder	Set
Bathroom W/C	Set

DORMA | Door Furniture and Accessories

Set

Set

Set



Escutcheons DKE-001 Stainless Steel Keyhole Pair DCE-002 Stainless Steel Cylinder Pair DKE-TT-003 Stainless Steel Keyhole Pair DCE-TT-004 Stainless Steel Cylinder Pair DWC-005 Stainless Steel Bathroom W/C Set DWC-006 Stainless Steel Disabled Bathroom W/C Set DWC-TT-007 Stainless Steel Bathroom W/C Set Satin and Polished Stainless Steel

Tubular Stainless Steel

	TH120 - Available on Narrow stile rose with cylinder escutcheons	5
	Latch Keyhole Cylinder Bathroom W/C	Set Set Set Set
	TH120/BP 170 x 170mm - Rounded Corners	
	Latch Keyhole Cylinder Bathroom W/C Square corners available on request	Set Set Set Set
	TH120/RES 170 x 170mm - Rounded Corners	
	TH120/RES Furniture D036S Lock case DKC056501KD Complete Set Master and Grand Master keying available Hands must be stated - Padlock not included	Pair Eacl Eacl Set
	TH121	
	Latch Keyhole Cylinder Bathroom W/C	Set Set Set Set
	TH122 - Available on Narrow stile rose with cylinder escutcheons	5
	Latch Keyhole Cylinder Bathroom W/C	Set Set Set Set
	TH123	
	Latch Keyhole Cylinder Bathroom W/C	Set Set Set Set
	TH124	
	Latch Keyhole Cylinder Bathroom W/C	Set Set Set Set
DORMA Door Furniture and	d Accossorios	PAGE 18



Tubular Stainless Steel continued

Tubular Stanliess Steer continued		
	TH125 Latch Keyhole Cylinder Bathroom W/C	Set Set Set Set
TH126 - Available on Narrow stile rose with cylinder escutcheons		
	Latch Keyhole Cylinder Bathroom W/C	Set Set Set Set
	TH127	
	Latch Keyhole Cylinder Bathroom W/C	Set Set Set Set
Escutcheon	S	
	DKE-001	
	Stainless Steel Keyhole Escutcheons	Pair
	DCE-002	
	Stainless Steel Cylinder Escutcheons	Pair
	DCE-105	
0	Stainless Steel Narrow stile Escutcheons	Pair
	DWC-005	
	Stainless Steel Bathroom W/C	Set
	DWC-006	
	Stainless Steel Disabled Bathroom W/C	Set

Escutcheon	5	
	DKE-001	
	Stainless Steel Keyhole Escutcheons	Pair
	DCE-002	
Ο	Stainless Steel Cylinder Escutcheons	Pai
	DKE-TT-003	
\bigcirc	Stainless Steel Keyhole Escutcheons	Pair
	DCE-TT-004	
\bigcirc	Stainless Steel Cylinder Escutcheons	Pair
	DCE-105	
0	Stainless Steel Narrow stile Escutcheons	Pair
Escutcheons	s - Indicator Sets & Indicator Bolts	
	DSQ001	
	Stainless Steel Keyhole Escutcheons	Pair
	DSQ002	
	Stainless Steel Cylinder Escutcheons	Pair
	DWC-005	
8	Stainless Steel Bathroom W/C	Set

PAGE



	DWC-006	
	Stainless Steel Disabled Bathroom W/C	Set
	DWC-TT-007	
	Stainless Steel Bathroom W/C Satin and Polished Stainless Steel	Set
	DSQ005	
	Stainless Steel Bathroom W/C with indicator	Set
	DSQ009	
20	Stainless Steel Bathroom W/C without indicator	Set
	DWC-115	
	Disabled Swing Over with indicator S.A.A.	AVAILABLE WHILE Set STOCK LASTS
0	DIB-SS-026	
	Stainless Steel Indicator Bolt	Each
Flush and R	ing Pulls	
° °	DRP-SS-023	
	62mm x 44mm Flush ring pull Stainless Steel	Each
	DFP-SS-024	
Ļ	120mm x 40mm x 12mm Flush pull - oval Stainless Steel	Each
	DFP-SS-025	
	120mm x 40mm x 12mm Flush pull - square Stainless Steel	Each

Hinges		
	DBB-SS-008	
	102 x 75 x 2mm Stainless Steel ball bearing hinge	AVAILABLE WHILE Pair STOCK LASTS
	DBB-SS-009	
	102 x 75 x 3mm Stainless Steel double ball bearing butt hinge	Pair
	DNW-A-010	
	102 x 75 x 3mm Aluminium nylon washered butt hinge	AVAILABLE WHILE Pair STOCK LASTS
	DBB-PVD-011	
	102 x 75 x 3mm PVD Double ball bearing butt hinge	Pair
	Rising Butt Hinge	
	102 x 75 x 3mm Stainless Steel rising butt hinge – self closing DRR-SS-012 Right Hand DRL-SS-013 Left Hand	Pair Pair
	Falling Butt Hinge	
	102 x 75 x 3mm Stainless Steel falling butt hinge – self opening DFR-SS-014 Right Hand DFL-SS-015 Left Hand	Pair Pair



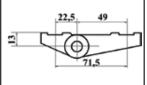
Each Each Each Each Each Each

LM Hinges



Please specify the following with ord A-type hinge

fixing hole centres 71.5mm





	2 Part LM Hing	e		
	Offset	Finish	Max Door	Width
	13mm	Natural	1000mm	
	13mm	Dark Bronze	e 1000mm	
	22mm	Natural	1000mm	
	22mm	Dark Bronze	e 1000mm	
	36mm	Natural	1000mm	
	36mm	Dark Bronze	e 1000mm	
th o	rder:			
	B-type hinge	Fixin	ng no. 1	Fixing no. 2
	fixing hole centres	58.5mm		
	<u>n</u>			
	3 Part LM Hing	ge		
	Offset	Finish	Max Door	Width

Natural

Natural

Natural

Dark Bronze

Dark Bronze

Dark Bronze

Max Door Width 1000 - 1200mm 1000 - 1200mm

, U		
h		
m		Fach

Each

Each

Each

Each

Each

In the case of the three-part hinge types, the accessory set contains two insert plates - one 60mm long and one 140mm long.

13mm

13mm

22mm

22mm

36mm

36mm

Coil Spring Hinges

Double Action Coil Spring Hinges

	Art. No 185 185 185 186 186	Finish Steel/Silver sprayed Steel/Silver sprayed Steel/Silver sprayed Stainless Steel Stainless Steel	150mm	750mm 1000mm 700mm	Door Thickness 35-40mm 45-50mm 70kg 25-30mm 35-40mm	Door Weight 22kg 40kg 70kg 22kg 40kg	 Pair Pair Pair Pair Pair
NB: Use the c	orrect hing	e size for your application	, never use	more than 1 pair per le	af.		
Single Ac	tion Coil	Spring Hinges					
•	Art. No	Finish	Size	Max Door Width	Door Thickness	Door Weight	
	175	Steel/Silver sprayed	100mm	700mm	35-40mm	22kg	Pair
0	175	Steel/Silver sprayed	150mm	750mm	45-50mm	40kg	Pair
0	175	Steel/Silver sprayed	200mm	1000mm	45-50mm	70kg	Pair
	176	Stainless Steel	100mm	700mm	25-30mm	22kg	Pair
	176	Stainless Steel	150mm	750mm	35-40mm	40kg	Pair
NB: Use the correct hinge size for your application, never use more than 1 pair per leaf.							

Locks - Mortice Locks











SS PB	Each Each
SS PB	Each Each
SS PB	Each Each
	PB SS PB SS PB SS PB

PAGE











D037D		
Euro profile cylinder dead lock Cylinder backset 57mm	SS PB	Each Each
SS - Stainless Steel PB - Polished Brass		
D040L		
Tubular latch Handle backset 57mm	SS PB	Each Each
SS - Stainless Steel PB - Polished Brass		
D072EC		
Euro profile cylinder sash lock Double throw dead bolt Draw-back latch Backset 55mm Centres 72mm	SS	Each
D0175E		
Euro cylinder emergency exit lock Cylinder/Handle backset 60mm Centres 72mm	SS	Each
SS - Stainless Steel		
DMWC-SS-008		
Mortice bathroom deadlock Turn/Indicator backset 57mm	SS	Each
SS - Stainless Steel		
Rebate Kits		
D038R Rebate kit for Euro cylinder sash lock	N.P PB	Each Each
D039R Rebate kit for lever sash lock	N.P PB	Each
DO72EC Rebate kit for sash lock	РБ N.P	Each Each
		Each

Cut Key Key Blank

Lever Keys

Each

25

Narrow Stile Lock - Commodity - Stainless Steel - without Cylinder			
	Narrow Stile Sash Lock		
	D02625 25mm Backset D02635 35mm Backset	Each Each	
	Narrow Stile Dead Lock		
	D02725 25mm Backset D02735 35mm Backset	Each Each	
	Narrow Stile Roller Bolt Lock		
	D02825 25mm Backset D02835 35mm Backset	Each Each	
4	Narrow Stile Hook Lock		
	D02925 25mm Backset D02935 35mm Backset	Each Each	



Narrow Stile Locks - Swivel Bolt - Stainless Steel - without Cylinder				
1	Narrow Stile Heavy Duty Swivel Sash Lock			
	D07625 25mm backset D07635 35mm backset	Each Each		
4	Narrow Stile Heavy Duty Swivel Dead Lock			
	D07725 25mm backset D07735 35mm backset	Each Each		
4	Narrow Stile Heavy Duty Roller Dead Lock			
	D07925 25mm backset D07935 35mm backset	Each Each		

DORMA Cylinders: Europrofile Cylinders 10 Pin Security - Master Keyed

	Double Cylinder	
(F	DDC106500 brass 65mm DDC106501 nickel plated 65mm	MKD GMK Each Each
	DDC107500 brass 75mm DDC107501 nickel plated 75mm	Each Each
	Knob Cylinder	
	DKC106500 brass 65mm DKC106501 nickel plated 65mm DKC107500 brass 75mm	MKD GMK Each Each
	DKC107500 brass 75mm DKC107501 nickel plated 75mm	Each Each
	Single Cylinder DSC104200 brass 42mm DSC104201 nickel plated 42mm	MKD GMK Each Each
	Padlock	
	DPL1000 47mm	MKD GMK Each
Rim Cylinder		
DRC1000 brass rim cylir DRC1001 nickel plated r		MKD GMK Each Each
Keys		
Servant Key Master Key Grand Master Key		Each Each Each
DORMA Door Furniture	and Accessories	PAGE 28



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DORMA Cylinders: Europrofile Cylinders 5 Pin Security - Keyed to differ			
	Double Cylinder		
	DDC056000 brass 60mm DDC056001 nickel plated 60mm DDC056500 brass 65mm DDC056501 nickel plated 65mm DDC057500 brass 75mm DDC057501 nickel plated 75mm	Each Each Each Each Each Each Each	
	Knob Cylinder		
	DKC056500 brass 65mm DKC056501 nickel plated 65mm DKC057500 brass 75mm DDC057501 nickel plated 75mm	Each Each Each Each	
	Single Cylinder		
	DSC054200 brass 42mm DSC054201 nickel plated 42mm	Each Each	
DORMA Cylinders: Bat	hroom/Privacy and Half Knob		
	Bathroom/Privacy Cylinder		
	DBC006000 brass 60mm DBC006001 nickel plated 60mm DBC006500 brass 65mm DBC006501 nickel plated 65mm	Each Each Each Each Each	
		Each	
	Half Knob		
	DHK004200 brass 42mm DHK004201 nickel plated 42mm	Each Each	

Stainless Steel Pull Handles

	DSQ55H		
	DSQ55H/225 - 225mm CTC 55mm Proj.	BT	Each
	DSQ55H/300 - 300mm CTC 55mm Proj.	BTB BT BTB BT BTB	Pair Each
	DSQ55H/450 - 450mm CTC 55mm Proj.		Pair Each
	Back to Back fixing set - SFS - 32		Pair Set
	DSQ06H		
	DSQ06H/225 - 225mm CTC 58mm Proj.	BT BTB BT BTB BT BTB	Each
	DSQ06H/300 - 225mm CTC 58mm Proj.		Pair Each
	DSQ06H/400 - 225mm CTC 58mm Proj.		Pair Each
ŀ			Pair
	Back to Back fixing set - SFS - 32		Set
	DPH205 'T' Straight		
2	400mm x 30mm - 150mm CTC 75mm Proj.	BT	Each
P		BTB	Pair
	Back to Back fixing set - PFS-25		Set
	DPH206 'T' Offset		
	DFH200 T Onset		
	400mm x 30mm - 150mm CTC 89mm Proj. 60mm offset	BT	Each
		BTB	Pair
	Back to Back fixing set - PFS-25		Set
	DPH207 'T' Straight		
2			
	500mm x 25mm - 350mm CTC 70mm Proj.	BT BTB	Each Pair
		DID	
	Back to Back fixing set - PFS-22		Set
]		

PAGE



Stainless Steel Pull Handles continued

m	DPH208 Semi 'C'		
	420mm x 30mm - 350mm CTC 75mm Proj. Back to Back fixing set - PFS-25	BT BTB	Each Pair Set
	DPH209 'T' Straight		
	200mm x 22mm - 125mm CTC 67mm Proj. Back to Back fixing set - PFS-19	BT BTB	Each Pair Set
	DPH210 'T' Straight		
	300mm x 30mm - 125mm CTC 67mm Proj. Back to Back fixing set - PFS-25	BT BTB	Each Pair Set
	DPH211 'C'		
	200mm x 32mm - 350mm CTC 80mm Proj. Back to Back fixing set - PFS-32	BT BTB	Each Pair Set
	DPH212 Semi 'C'		
	590mm x 25mm - 125mm CTC 70mm Proj. Chamfered ends Back to Back fixing set - PFS-22	BT BTB	Each Pair Set
N.	Dack to Dack HAILING SEL - FIED-22		Sel

Stainless Steel Pull Handles continued

DPH213 'D' Straight				
382mm x 22mm - 350mm CTC 80mm Proj. Back to Back fixing set - PFS-32	BT BTB		Each Pair Set	
DHP214 Spiral 'T' Straight				
550mm x 25mm - 500mm CTC 67mm Proj. 42mm Grip Diameter Back to Back fixing set - PFS-25	BT BTB		Each Pair Set	
DHP215 'D' offset				
382mm x 32mm - 350mm CTC 80mm Proj. 140mm offset Back to Back fixing set - PFS-32	BT BTB		Each Pair Set	
DHP216 Lazy 'S'				
600mm x 25mm - 400mm CTC 70mm Proj. 112mm offset	BT BTB		Each Pair	
Back to Back fixing set - PFS-22			Set	
DPH301A 325mm x 25mm - 300mm CTC 70mm Proj. Back to Back fixing set - PFS-25	BT BTB		Each Pair Set	
	382mm x 22mm - 350mm CTC 80mm Proj.Back to Back fixing set - PFS-32DHP214 Spiral 'T' Straight550mm x 25mm - 500mm CTC 67mm Proj. 42mm Grip DiameterBack to Back fixing set - PFS-25DHP215 'D' offset382mm x 32mm - 350mm CTC 80mm Proj. 140mm offsetBack to Back fixing set - PFS-32DHP216 Lazy 'S'600mm x 25mm - 400mm CTC 70mm Proj. 112mm offsetBack to Back fixing set - PFS-22DHP301A325mm x 25mm - 300mm CTC 70mm Proj.	382mm x 22mm - 350mm CTC 80mm Proj.BT BTBBack to Back fixing set - PFS-32HDHP214 Spiral T StraightBT A BTB550mm x 25mm - 500mm CTC 67mm Proj. 42mm Grip DiameterBT BTBBack to Back fixing set - PFS-25BT BTBDHP215 D' offsetBT BTB382mm x 32mm - 350mm CTC 80mm Proj. 140mm offsetBT BTB BTBback to Back fixing set - PFS-32BT BTBDHP216 Lazy 'S'BT BTBco0mm x 25mm - 400mm CTC 70mm Proj. 112mm offsetBT BTBback to Back fixing set - PFS-22BT BTBDH1301AS25mm x 300mm CTC 70mm Proj. BTB325mm x 25mm - 300mm CTC 70mm Proj.BT BTB	382mm x 22mm - 350mm CTC 80mm Proj.BT BTBBack to Back fixing set - PFS-32HT550mm x 25mm - 500mm CTC 67mm Proj. 42mm Grip DiameterBT BTBBack to Back fixing set - PFS-25BT BTB382mm x 32mm - 350mm CTC 80mm Proj. 140mm offsetBT BTB382mm x 32mm - 350mm CTC 80mm Proj. 	

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Stainless Steel Pull Handles continued DPH301B Flange Fixing Flange Fix 325mm x 25mm 76mm Proj. Each DPH301C Straight 149mm x 19mm - 130mm CTC 64mm Proj. BT Each BTB Pair Back to Back fixing set - PFS-19 Set Satin Chrome and Polished Chrome Pull Handles PH115 285mm x 19mm Polished chrome AVAILABLE WHILE Each Satin chrome Each Flange fix DPH300-10 and DPH300-10A 250mm Satin chrome only Flange fix Each 250mm DPH300-10A Back to back no flange Pair PH003 Curved 230mm Each Polished brass Flange fix

Door Bolts		
	DAB-SS-019	
	Automatic flush bolt Stainless Steel	Set
	DMB-SS-021	
Co Co Co	Mortice door bolt with key Stainless Steel	Each
	DBC-SS-022	
	Adjustable roller bolt Stainless Steel	Each
~	Stainless Steel Flush Bolt - No Heel	
	DFB-SS-027/160 160mm DFB-SS-028/300 300mm	Each Each
	Satin Chrome Flush Bolt - With Heel	
	DFB-SC-180/150 150mm DFB-SC-181/300 300mm	Each Each

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Dust Keep & Door Stop	os	
	DPS-SS-032	
T	Dust excluding keep Stainless Steel	Each
Door Stops		
	DDS-SS-017	
	Door stop Stainless Steel	Each
	DDS-NP-018	
	Door stop Nickel plated	Each
	DDS-BP-019	
	Door stop Brass plated	Each
	DDH-SS-020	
	Wall buffer Stainless Steel	Each

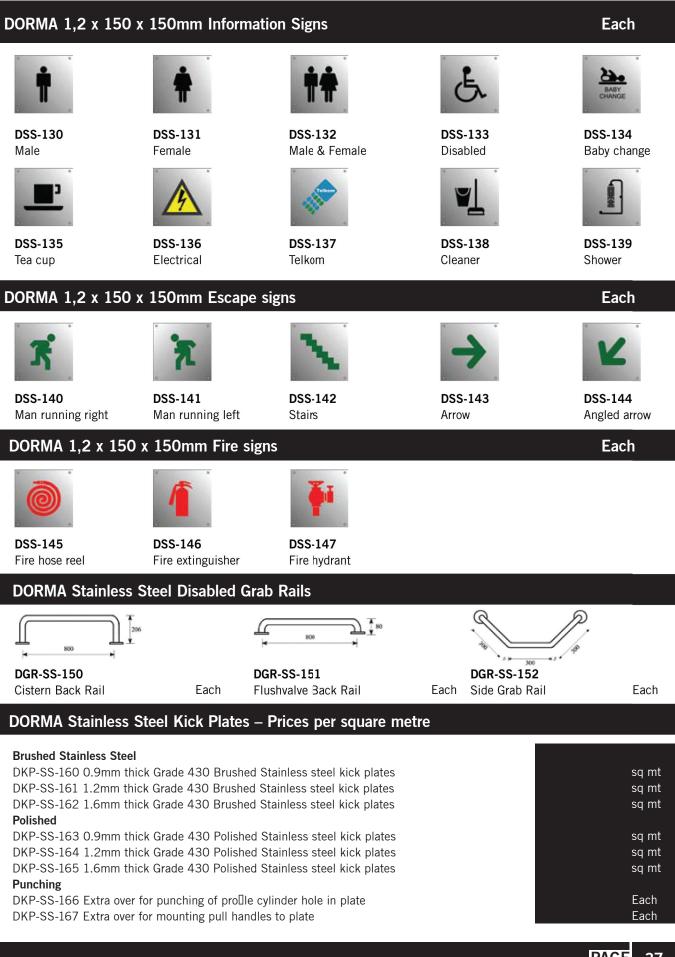
DOOR FURNITURE AND ACCESSORIES

Door Holders

	350 ART 350/b 350/c 350/d	FINISH Silver lacquered Gold lacquered Dark brown lacquered	STROKE 35mm 35mm 35mm	Each Each Each
I.	360 ART 360/b 360/c 360/d 360/e 360/h 360/i	FINISH Silver lacquered Gold lacquered Dark brown lacquered Aluminium anodised Dark brown anodised Stainless Steel	STROKE 55mm 55mm 55mm 55mm 55mm 55mm	Each Each Each Each Each Each Each
Hat and Coat Hooks				

	DHC-SS-030-A	
	Hat and coat hook Stainless Steel	Each
	DHC-SS-031-B	
	Hat and coat hook with rubber buffer Stainless Steel	Each
M	DHC-SS-170	
	177mm Double hat and coat hook	AVAILABLE WHILE Each
	DHC-SS-171	
	110mm Double coat hook	AVAILABLE WHILE STOCK LASTS Each









Door Control

The DORMA brand is defined and identified by its core product group, Door Controls. In 1950 DORMA launched the TS 50 door closer, heralding a significant move in this sector. With over a 100 million door closers sold since then, DORMA has established itself as a the world market leader in Door Control Solutions. Within this section you will find innovative product in the form of Rack and Pinion, Cam Action and Concealed Closers as well as Transom and Floor Spring options to suite the majority of your door control requirements. Whether for convenience, security, safety or efficiency DORMA Door Controls set the benchmark.

Heart Shaped Cam



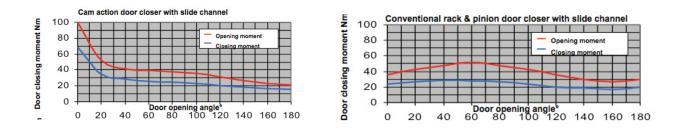
The heart-shaped cam and the linear drive mechanism that characterise all DORMA cam-action door closers produce a rapidly decreasing opening torque, so greatly reducing the amount of effort required. This means that even children, the elderly and the disabled can open doors with ease. The user-friendliness of the system is further enhanced by the reliable latching action achieved by the fact that the closing force only rises in the end phase of the cycle.

Why Cam Action?

- With the widest market-leading choice of door closers to meet current manual door legislation requirements for both Accessibility and Fire Safety, finding one with the right aesthetics and performance is made easy at DORMA.
- The DORMA Cam Action range comes with selectable spring strength suitable for doors up to 1600mm wide.
- No visible fixings add to the aesthetic appeal whilst the slide channel is adjustable to allow for a true level finish.
- Advanced design with Technical superiority and easy installation combined with outstanding cost-effectiveness.
- Options available to suit all installation requirements and available with a hold open function.

What is the difference between Cam-Action Closers and Rack and Pinion Closers?

- Cam Action closers operate at approximately 80% efficiency, while Rack and Pinion work at 60%.
- Rack and Pinion closers have a linear increase of forces as the door is opened; a Cam Action closers' opening forces decrease as the door is opened.
- Efficiency is important when you think about getting reliable latching and complying with standard requirements. The closing force yields reliable latching. Cam action closers, with their high efficiency can have equitable latching and opening pressures.
- A Rack and Pinion closer with only 60% efficiency, even with a compound arm, can't get reliable 2kg latching and 2.5kg opening pressure. Rack and Pinion closers must be satisfied with a compound arm and 1.5kg unreliable latching pressure if they are to comply with required standards.



DOOR CLOSER STRENGTHS:

EN2 doors <851mm; EN3 doors <951mm; EN4 doors <1101mm EN5 doors <1251mm; EN6 doors <1401mm; EN7 doors <1601mm



Cam-Action Slide Channel Door Closers



C	nannel Door Closers		
	TS90		
	Closing force: EN3 Dual speed Valve Control Cushioned limit stay - optional	Configuration: Pull side – leaf fixing or transom fixing Push side – leaf fixing or transom fixing Hold-open complete	Each Each
	TS91B		
	Closing force: EN3 Dual speed Valve Control Cushioned limit stay – optional	Configuration: Pull side – leaf fixing Push side – transom fixing	Each
	optional	Hold-open complete	Each
		TS91B EMF electro-mechanical HO	Each
	TS92B		
	Closing force: EN2-4V Adjustable strength via allen key Dual speed Valve Control	Configuration: Pull side – leaf fixing Push side – transom fixing	Each
	Latching action via arm	Hold-open complete	Each
	Cushioned limit stay – optional	TS92B EMF electro-mechanical HO	Each
	TS92G		



Closing force: EN2-4V Adjustable strength via allen key Dual speed Valve Control Latching action via arm Cushioned limit stay – optional

Configuration: Push side – leaf fixing Pull side – transom fixing **Hold-open complete**

TS92G EMF electro-mechanical HO

DOOR CLOSER STRENGTHS:

EN2 doors <851mm; EN3 doors <951mm; EN4 doors <1101mm EN5 doors <1251mm; EN6 doors <1401mm; EN7 doors <1601mm

Each

Each

Each

TS93B		
Closing force: EN2-5V Adjustable strength via allen key Dual speed Valve Control Latching action via arm Cushioned limit stay – optional	Configuration: Pull side – leaf fixing Push side – transom fixing Hold-open complete TS93B EMF electro-mechanical HO	Each Each Each
TS93G		
Closing force: EN2-5V Adjustable strength via allen key Dual speed Valve Control Latching action via arm	Configuration: Push side – leaf fixing Pull side – transom fixing Hold-open complete	Each Each
Cushioned limit stay – optional Delayed Action as standard	TS93G EMF electro-mechanical HO	Each
TS93G EN5-7V		
Closing force: EN5-7 Adjustable strength via allen key Dual speed Valve Control Backcheck – standard	Configuration: Push side – leaf fixing Pull side – transom fixing Hold-open complete	Each Each
Cushioned limit stay – optional Delayed Action as standard		
TS97B EN2-4V – Pull Side	• Only	
SPECIAL ORDERS ONLY Closing force: EN2-4V Adjustable strength via allen key Dual speed Valve Control Latching action via arm Cushioned limit stay – optional	Configuration: Pull side leaf or transom fixing - not suitable for push side Hold-open complete	Each Each
ομισται		

DOOR CLOSER STRENGTHS:

EN2 doors <851mm; EN3 doors <951mm; EN4 doors <1101mm EN5 doors <1251mm; EN6 doors <1401mm; EN7 doors <1601mm



Cam-Action Double Door Closer Systems



TS 91B-GSR - Pull Side - Standard Fixing

Closing force: EN3 | Dual speed valve Control Cushioned limit stay – optional Max. opening width: 1900mm | Min. opening width: 1350mm

TS 91B-GSR-RF1 - Pull Side - Standard Fixing

Closing force: EN3 | Dual speed valve Control Cushioned limit stay – optional Max. opening width: 1900mm | Min. opening width: 1350mm

TS 91B-GSR-EMF1 - Pull Side - Standard Fixing

Closing force: EN3 | Dual speed valve Control Cushioned limit stay – optional Min. opening width: 1350mm | Max. opening width: 1900mm Operating voltage 24V DC ± 15% Power input: 1.6W Continuous duty: 100%

TS 92B-GSR - Pull Side - Standard Fixing

Closing force: EN2-4V | Dual speed valve Control Cushioned limit stay – optional Max. opening width: 2200mm | Min. opening width: 1350mm

TS 92B-GSR-RF1 - Pull Side - Standard Fixing

Closing force: EN2-4V Dual speed valve Control Cushioned limit stay – optional Max. opening width: 2200mm | Min. opening width: 1350mm Set

Set

Set

Set

Set

Accessories For Cam-Action Double	Door Clos	er			
Cushioned limit stay – optional Max. opening width: 2500mm Min. open Operating voltage 24V DC ± 15% Power in	-		luty: 100%		
Closing force: EN2-5V Dual speed valve Control					
TS 93B-GSR-EMF1 - Pull Side - Standar	rd Fixing				
Cushioned limit stay – optional Max. opening width: 2500mm Min. open	ing width: 13	350mm			
Closing force: EN2-5V Dual speed valve Control					
TS 93B-GSR-RF1 - Pull Side - Standard	Fixing				
	-				
Cushioned limit stay – optional Max. opening width: 2500mm Min. open	ing width: 13	350mm			
Closing force: EN2-5V Dual speed valve Control					
TS 93B-GSR - Pull Side - Standard Fixing	g			_	
Max. opening width: 2200mm Min. open Operating voltage 24V DC \pm 15% Power ir	-		duty: 100%		
Cushioned limit stay – optional	Control				

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*

*

Each

Each

Each

Each

RFI Hold-open module for GSR Slide Channel

G93 EMF Electro-magnetic hold-open

GSR EMF Door Co-ordinator System

with electro-mechanical hold-open

EN2 doors <851mm; EN3 doors <951mm; EN4 doors <1101mm EN5 doors <1251mm; EN6 doors <1401mm; EN7 doors <1601mm

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channel (specify closer)

slide channel and arm

Hold-open module

GSR Door Co-ordinator System

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DORMA Rack-and-Pinion Projecting Arm Closers TS68 Closing force: EN2-4 Configuration: 1. Power Adjustment: Foot Bracket Pull side - standard fixing Each Dual speed Valve Control Push side - parallel arm fixing Each Pull side - with Hold Open arm Each **TS71** Closing force: EN3-4 Configuration: Power Adjustments: Foot Bracket Pull side - standard fixing Each Push side - parallel arm fixing Each Dual speed Valve Control Latching action via arm Pull side - with Hold Open arm Each **TS77** Closing force: EN3 Configuration: Dual speed Valve Control Each Pull side - standard fixing **Dual speed Valve Control** Each Push side - parallel arm fixing Latching action via arm Pull side - with Hold Open arm Each **TS73V** Closing force: EN2-4 Configuration: Power Adjustment: Position Pull side - standard fixing Each Dual speed Valve Control Each Push side - parallel arm fixing Latching action via arm Pull side - with Hold Open arm Each Backcheck as standard **TS73VN Delayed Action** Closing force: EN2-4V **Configuration:** Adjustable strength via allen key Pull side - standard fixing Each Dual speed Valve Control Each Push side - parallel arm fixing Latching action via arm TS83/BC Closing force: EN3-6 **Configuration:** Power Adjustment: Capscrew Each Pull side - standard fixing Dual speed Valve Control Push side - parallel arm fixing Each Latching action via Speed Valves Pull side - with Hold Open arm Each Backcheck as standard

DOOR CLOSER STRENGTHS:

EN2 doors <851mm; EN3 doors <951mm; EN4 doors <1101mm EN5 doors <1251mm; EN6 doors <1401mm; EN7 doors <1601mm

DORMA Rack-and-Pinion Projecting Arm Closers continued

	TS83/BC	/DC			
	Closing for	orce: EN3-6	Configurat	tion:	
	_	ljustment: Capscrew	_	standard fixing	Each
		ed Valve Control		- parallel arm fixing	Each
	-	action via Speed Valv			
	-	ck as standard			
		Action as standard			
	TS83/EN				
	-	orce: EN-7	Configurat		
	Power Ad	ljustment: Capscrew	Pull side -	standard fixing	Each
()	Dual spe	ed Valve Control	Push side	- parallel arm fixing	Each
	-	action via Speed Valv	es Pull side -	with Hold Open arm	Each
	Backcheo	ck as standard			
	Index D	oor Spring			
	- mack D				
	Art No	Finish Size	Length Of Arm	Application	
	623		200mm	Interior doors	Each
1	623	1	300mm	Interior doors	Each
	020	Zine plated 3-4	500mm		
Accessories For Rack	k-and-Pinic	on Door Closers			
Regular arm complete					
Regular arm, complete Price per each		*	*	*	*
Hold-open arm					
Price per each		*	*	*	*
Flat form arm (side connect	ing)				
Price per each				*	*
Soffit Bracket (Parallel arm	application)				
Price per each		*	*	*	*
Angle bracket				*	*
Price per each Drop plate		-	_	^	^
Price per each		_	_	*	*
Connector for tandem app	lication				
Price per each		_	_	*	*
Backing plates (with MF sci	rews)				
Price per each		_	*	*	*
Mounting plates 7380/83	80				
Drice ner eech				*	*

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Price per each

DOOR CLOSER STRENGTHS:

EN2 doors <851mm; EN3 doors <951mm; EN4 doors <1101mm EN5 doors <1251mm; EN6 doors <1401mm; EN7 doors <1601mm

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Concealed Door Closers

	ITS96 Closer concealed i	n the door (non-handed)	
and the second se	Non-hold open:	EN2-4	Each
		EN3-6	Each
Contraction of the second	Hold-open:	EN2-4	Each
		EN3-6	Each
	Slide Channel only:		Each
	Hold-open module:		Each

Fixing lugs supplied with unit, please specify for timber or aluminium frames with your order:

52000105 for Timber 52000205 for Aluminium	Frames 5200	0105		52000205	- F
	RTS85 Transom concealed	door closer	Art No.		
	Non-hold open unit only:	EN3 EN4	8500		Each
	Hold open unit only:	EN5 EN3 EN4	8502		Each
	*Specify size when orderin	EN5 g			
Side load arm and cha Floor pivot for side loa Cover plate for wooder	d – 27mm high		8530 8550 RTS85W		Each Each Each
RTS85 - Typical Example	es				
Timber Doors RTS85 Unit - Secify size Art 8550 Floor Pivot Art 8530 Slide arm and RTS85W Cover Plate	e and HO or NHO when ordering Channel				Each Each Each Each Set
Aluminium Doors RTS85 Unit - Specify si Art 8550 Floor Pivot Art 8530 Slide arm and	ze and HO or NHO when orderinį Channel	2			Each Each Each Set

DOOR CLOSER STRENGTHS:

EN2 doors <851mm; EN3 doors <951mm; EN4 doors <1101mm EN5 doors <1251mm; EN6 doors <1401mm; EN7 doors <1601mm

DORMA Groom Rack and Pinion - Door Closers

	GR150 Slimline		
	Closing force: EN2-4 Power Adjustment : Position	Configuration: Pull side - standard fixing Push side - parallel arm fixing	Each Each
	GR200		
	Closing force: EN2-5 Power Adjustment : Position	Configuration: Pull side - standard fixing Push side - parallel arm fixing	Each Each
DORMA Groom Concea	led - Door Closers		
	GRE600		
	Closing force: EN2	Configuration: Hold open Non hold open	Each Each
	GRE630		
	Closing force: EN3	Configuration: Hold open Non hold open	Each Each

DOOR CLOSER STRENGTHS:

EN2 doors <851mm; EN3 doors <951mm; EN4 doors <1101mm EN5 doors <1251mm; EN6 doors <1401mm; EN7 doors <1601mm



Floor Springs Sets

BTS75 V/EN 2-5 - Floor Springs for Doors up to 1250mm wide and Max. 190Kg Ì 9 Single Action: Timber or Aluminium Doors BTS75V unit only Standard spindle 7510 S.S Cover plate Set 7411/56 Bottom strap 7411K/56E Top centre NOTE: Please specify Hold-open or Non-hold open **Double Action: Timber Doors** BTS75V unit only Standard spindle 7510 S.S Cover plate Set 7421 Bottom strap 8062 Top centre NOTE: Please specify Hold-open or Non-hold open **Double Action: Aluminium Doors** BTS75V unit only Standard spindle 7510 S.S Cover plate Set 8021 Bottom strap 8062 Top centre NOTE: Please specify Hold-open or Non-hold open BTS60 EN3 Basic Floor Spring for doors up to 1000mm wide and MAX. 80kg doors



The DORMA Basic floospring has dual speed valves. Max. 130 opening. Please specify Single or Double Action, Hold-open or Non hold-open **Double Action Kit** - Complete with mechanism, top centre and bottom strap for timber or aluminium doors

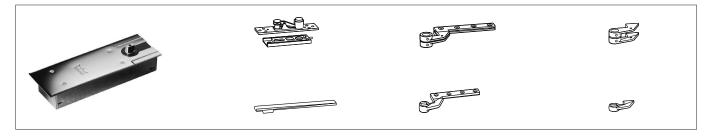
Single Action Kit - Single Action to follow soon

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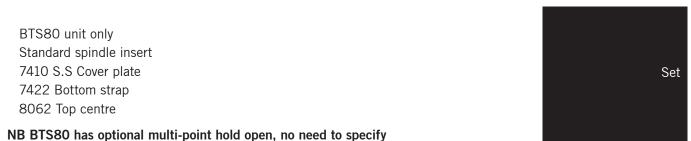
Set

Floor Springs Sets continued

BTS80/EN6 Floor Spring Sets - Floor Springs for Doors up to 1400mm wide and Max. 300Kg



Single Action: Timber Doors No Cover Caps BTS80 unit only Standard spindle insert Set 7410 S.S Cover plate 7411/56 Bottom strap 7411/K56 Top centre **Double Action: Timber Doors** BTS80 unit only Standard spindle insert Set 7410 S.S Cover plate 7421 Bottom strap 8062 Top centre Single Action: Aluminium Doors No Cover Caps BTS80 unit only Standard spindle insert 7410 S.S Cover plate Set 7456/1 Bottom strap 7411K/56E Top centre **Double Action: Aluminium Door**





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BTS Accessories

	Floor Spring Mechanisms		
	Floor spring unit only BTS 80/EN6 optional hold open - with spindle		Each
	Floor spring unit only BTS 75V - without spindle specify 90° hold open or non hold open		Each
	BTS 84 - with spindle 90° hold open or non hold open - with spindle		Each
	Cover Plates		
	S/Steel cover plate for BTS80 Brass cover plates for BTS80	Art. No. 7410 7410B	Each Each
	S/Steel cover plate for BTS75V Brass cover plate for BTS75V	7510 7510B	Each Each
<u> </u>	S/Steel cover plate for BTS84 Brass cover plate for BTS84	8410 8410B	Each Each
	Top centres - Double Action		
	Standard, universal top centre with needle bearing	Art. No. 8062	Each
	All steel heavy duty top centre with needlebearing	8066	Each
	Clamp plate fitting	SP3	Each
	Top Centre - Single Action		
	Architectural top centre (see cover caps)	Art. No. 7411K/56E	Each
	Clamp plate fitting	SP4	Each
	Weld on top centre for steel doors	7431K	Each

	Bottom Straps - Double Action		
	Bottom strap for timber doors	Art. No. 7421	Each
A Contraction of the second se	Bottom strap for aluminium doors	7422	Each
	Bottom strap for door less than 100kg	8021	Each
	Clamp plate fitting	SP3	Each
	Bottom Straps - Single Action		
	Architectural bottom strap (see cover caps)	Art. No. 7411/56	Each
	Special bottom strap for aluminium doors	7456/1	Each
e	Weld on strap for steel doors	7431	Each
	Clamp plate fitting	SP4	Each
	Cover Caps for Single Action Offset Fittings		
	Cover Caps for Single Action Offset Fittings		
	Cover Caps for Single Action Offset Fittings Aluminium cover for bottom strap 7411/56 (handed)	Art. No. 7481	Each
	Aluminium cover for bottom strap 7411/56		Each Set
	Aluminium cover for bottom strap 7411/56 (handed) Aluminium cover for top centre 7411K/56E	7481	
	Aluminium cover for bottom strap 7411/56 (handed)	7481	

DORMA | Door Control



	Spindles		
17 N	Standard Spindle Insert		Each
Ð	Extended by 5mm		Each
	Extended by 7.5mm		Each
	Extended by 10mm		Each
Æ	Extended by 12,5mm		Each
[Extended by 15mm		Each
Ψ	Extended by 20mm		Each
	Extended by 25mm		Each
	Extended by 30mm		Each
	Extended by 35mm		Each
	Extended by 40mm		Each
	Extended by 45mm		Each
	Extended by 50mm		Each
	Floor Pivots		
Æ-			
1-22.		Art. No.	
	Pivot with ball bearing – doors up to 200kg	7471K	Each
	Pivot with ball bearing – doors up to 300kg	7471AX	Each
	Pivot with thrust roller – doors up to 300kg	7475AX	Each
	S/Steel cover for 7471	7470	Each
300			
	Pivot for door up to 100kg	8550	Each
	Aluminium Hinge and Strap For Single Action	Floor Springs	
		Art. No.	
	Aluminium strap	7459	Each
	I		
	Aluminium hinge	B36.1.2	Each
	Slide Channel For Floor Springs		
		Art. No.	
6	Swing lever and slide channel – complete	7451-3N	Each
		1-01-011	





Panic Hardware

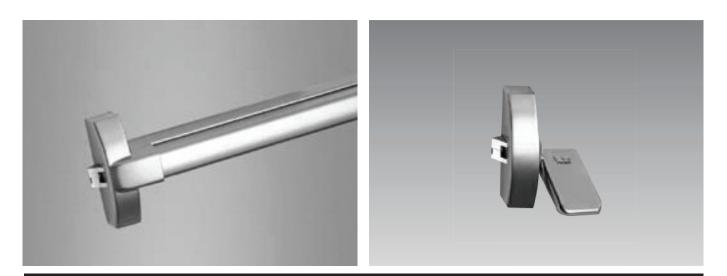
DORMA is able to offer a comprehensive range of highquality panic hardware fittings with horizontal and vertical locking for doors in emergency exits and escape routes – applications in which safety, reliability and aesthetic value are indispensable equirements. DORMA's products cover in full the panic/escape hardware requirements that arise in publicly frequented facilities such as hospitals, universities and schools, shopping malls, hotels and commercial or residential buildings.

PANIC HARDWARE

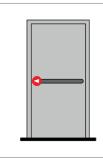
PANIC HARDWA	RE - PHA Contur Series		
	Single Door PHA 1 Point Locking		
	1 Point locking - Single door 1000mm wide 1 Point locking - Single door 1300mm wide	Set No. PHA1/S PHA1/W	Set
		1 1 1 (1 / 1 / 1 / 1	
	Single Door PHA 2 Point Locking		
	2 Point locking - Single door 1000mm wide x 2265mm high	Set No. PHA2/S	Set
	2 Point locking - Single door 1300mm wide x 2265mm high	PHA2/W	Set
	2 Point locking - Single door 1000mm wide x 3200mm high	PHA2/L	Set
	2 Point locking - Single door 1300mm wide x 3200mm high	PHA/WL	Set
	Double Door PHA 3 Point Locking		
	3 Point locking - Double door 1000mm wide x 2265mm high	Set No. PHA3/S	Set
	3 Point locking - Double door 1300mm wide x 2265mm high	PHA3/W	Set
	3 Point locking - Double door 1000mm wide x 3200mm high	PHA3/L	Set
	3 Point locking - Double door 1300mm wide x 3200mm high	PHA3/WL	Set
Accessories			
25200060 PHA mi PHT3901 Exterior a	cro switch access lock with lever handle for profile cylinder		Each Each

DORMA | Panic Hardware





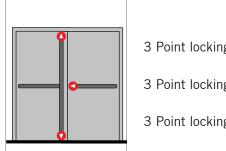
PANIC HARDWARE - PHB Contur Series



PHB Single Door 1 Point Locking		
1 Point locking - Single door 1000mm wide	Set No. PHB1/S	Set
1 Point locking - Single door 1300mm wide	PHB1/W	Set
PHB Single Door 2 Point Locking		
2 Point locking - Single door 1000mm wide x 2265mm high	Set No. PHB2/S	Set
2 Point locking - Single door 1300mm wide x 2265mm high	PHB2/W	Set
2 Point locking - Single door 1000mm wide x 3200mm high	PHB2/L	Set

2 Point locking - Single door 1300mm wide x 3200mm high PHB2/WL

PHB Double Door 3 Point Locking



3 Point locking - Single door 1000mm wide x 2265mm high	Set No. PHB3/S	Set
3 Point locking - Single door 1300mm wide x 2265mm high	PHB3/W	Set
3 Point locking - Single door 1000mm wide x 3400mm high	PHB3/L	Set
3 Point locking - Single door 1300mm wide x 3400mm high	PHB3/WL	Set

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Set

PANIC HARDWARE

Art No.	Description	
2101	One point locking mechanism	Each
2201	Two point locking mechanism	Each
2104	Push bar for doors up to 1000mm wide	Each
2105	Push bar for doors up to 1300mm wide	Each
PHX02	Top and bottom locking latches	Set
PHX04	Top and bottom rods for 2270mm high door	Set
PHX05	Top and bottom rods for 3400mm high door	Set
Art No.	es Panic Hardware Components Description	
3101	Touch bar mechanism for doors up to 1000mm long	Each
3103	PHB Touch bar mechanism for doors up 1300mm wide	Each
3103B	Touch bar mechanism for doors up 1300mm wide-Blanked	Each
PHX02	Top and bottom locking latches	Set
PHX04	Top and bottom rods for 2270mm high door	Set
FTIA04		

Accessories

25200060 PHA micro switch

Each

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Panic Hardware Components

	PHT3901	
C	Exterior access lock with lever handle for profile cylinder	Each
	PH2112	
	Push pad panic latch	Each

DORMA | Panic Hardware



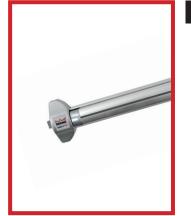
Easi-Exit Hardware

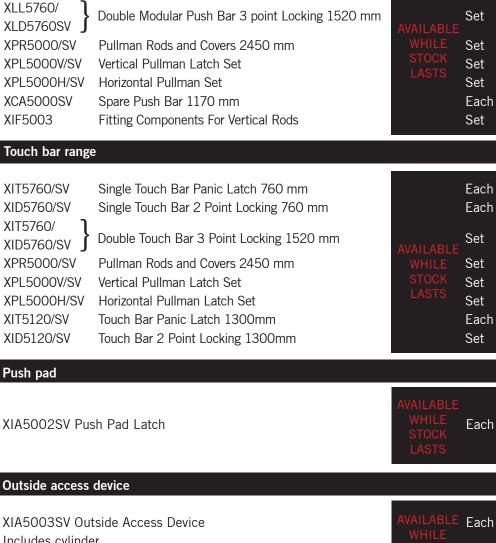


Contract range

	_		
XDL5760SV XCB5760SV XDL5760/ XCB5760SV XIA5008 XIA5009 XIF5001M XIA5010	Single Contract Push Bar Panic Latch 730 mm Single Contract Push Bar 2 Point Locking 730 mm Double Contract Push Bar 3 Point Locking 1460 mm Spare Vertical Rods 2450 mm Spare Vertical Rod Guide Riv-Nut Fixing Screw Pack for Metal Doors Spare Set of Knurled Plugs for Vertical Rods	AVAILABLE WHILE STOCK LASTS	Each Each Set Each Each Pack Set
Modular range			
XLL5760SV XLD5760SV	Single Modular Push Bar Panic Latch 760 mm Single Modular Push Bar 2 point Locking 760 mm		Each Each





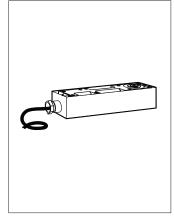


Includes cylinder Non mastered key



PANIC HARDWARE

Fire Door Equipment



and the second s

EMB80

	Floor spring with electro-magnetic/Hydraulic hold-open device		
	EMB80 – 24 volts DC with cement case, adjustable latch action, and back check.	Size EN4	Each
	Specify LH, RH or double action Accessories extra. Refer to page 50 and 51 for single or double action.		
	Sundries For Fire Doors		
	Carry bar for rebated doors where door selectors are used	MK 396	Each
	Door selector: Specify Size 1 for doors over 1600mm wide. Specify Size 2 for doors of 1600mm and less.	SR 392	Each
	EM Electro Magnets For Doors 24V DC		
	Wall mounted with black plate	EM 500G	Each
	Wall flush mounted	EM 500U	Each
1			

Wall mounted with black plate	EM 500G	Each
Wall flush mounted	EM 500U	Each
Wall mounted with release	EM 500A	Each
Push to release button – surface mounted	HT-AP	Each
Push to release button – concealed	HT-UP	Each
Adaptor frame for EM500 magnets	_	Each
Door mounted receiver plate for EM 100/500	MAG	Each
Door mounted with swivel joint	MAW	Each
Door mounted telescopic spring loaded	MAT	Each
Floor mounting bracket for EM 100	EM i	Each

DORMA | Panic Hardware



Meeting the requirements of Fire Regulations



BS EN 1154 Controlled Door Closing Devices

This gives the minimum performance levels for door closing devices, in relation to door width and mass. It also classifies closers for general suitability for use on fire doors, safety in use, and corrosion resistance. Closers must complete 500,000 opening and closing cycles without loss of performance or significant wear. The standard requires that closers fitted to fire doors be no less than size EN 3. Adjustable closers must be able to achieve this as a minimum. All DORMA Door Closers are CE Marked to BS EN1154.

Building Regulations

Approved Document B in England and Wales, (Section 2 in Scotland and Part S in Northern Ireland) requires Third Party Fire Test Certification (such as CERTIFIRE). All DORMA door closers, locks and panic hardware have been fire tested and approved by CERTIFIRE to ensure that they are fit for purpose.



Doors closers and third party testing

CERTIFIRE is a third party certification authority originally set up by Warrington Fire Research and BSI. It specialises in certification for a wide range of passive fire protection products which includes fire doors and their hardware. To gain CERTIFIRE approval for use on a fire door:

- Items of door hardware must have been included in successful fire door tests
- They must be independently tested against the relevant BS EN or BS, to ensure their durability and safety
- They must be manufactured on quality assured production lines registered under an ISO 9000 regime

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These three requirements give confidence to specifiers, regulating authorities and purchasers, that all relevant aspects of the product have been assessed.





Automatics

DORMA introduced Automatic sliding door operators to the South African market in the 1990s. Since then, Automatic swing door operators and revolving doors have been added to our portfolio.

DORMA South Africa is now able to offer the most comprehensive and widely varied range of sliding, swing and revolving doors. Precision German engineering, coupled with world class service offers our customers unrivalled peace of mind.

AUTOMATICS

Automatic Sliding Door Operators



DORMA ES 200 Heavy Duty

The ES 200, equipped with the DORMA PowerDrive Technology, fulfilling every demand imposed on operators in terms of adaptability to different door width, door weight capacity and functionality.

Door panel weight maximum, single slider – 1 x 200kg Door panel weight maximum, bi-parting slider – 2 x 160kg Maximum track length – 6100mm Powder coated or anodised finish Battery backup and lock option (Fail safe – Fail secure) Active 8 - Radar activation and A.I.R. safety curtain Five position remote control programme switch



DORMA ES 200 Easy

Suitable for vastly differing applications can be combined with all customary door profiles. It offers a number of adjustment possibilities, has excellent operation characteristics and is easy to maintain.

Door panel weight maximum, single slider – 1 x 100kg Door panel weight maximum, bi-parting slider – 2 x 85kg Maximum track length – 6100mm Powder coated or anodised finish Battery backup and lock option (Fail safe – Fail secure) Active 8 - Radar activation and A.I.R. safety curtain Five position remote control programme switch



DORMA ES 75

DORMA offers a particularly cost-effective sliding door operator without comprimising on quality. The ES 75 is a self-learning microprocessor controller which guarantees reliable operation, ensures dynamic smooth movements and fulfils the highest safety requirements according to all European and German standards.

Door panel weight maximum, single slider - 1 x 85kg Door panel weight maximum, bi-parting slider - 2 x 75kg Maximum track length - 6100mm Powder coated or anodised finish Eagle Radar activation Micro Cell safety beam Three position programme switch



Automatic Sliding Door Operators continued



DORMA CS80 MAGNEO

This innovative sliding door system, in combination with its automatic operator provides living spaces with a special flair exhibiting modern and elegant interior design. Thanks to its unobtrusive and timeless design, the CS 80 MAGNEO suits all designs and can be combined with glass or timber doors.

Door panel weight maximum, single slider – 1 x 80kg Maximum track length – 2340mm Powder coated or anodised finish Radar activation option Push & Go option



DORMA BST Curved Sliding Doors

DORMA BST Comfort Line automatic curved sliding doors are the perfect answer to providing entrance areas with a customised and aesthetically pleasing appearance.

Door panel weight maximum - 100kg Powder coated or anodised finish Emergency power supply module and lock option Radar activation and A.I.R. safety curtain



DORMA FFT Folding Doors

If the door opening is narrow or if there is not much depth available – or both – then DORMA Automatic Folding Doors may well be the ideal answer. They ensure maximum utilisation of structural widths – with clear passage widths of almost the same dimension.

Clear passage width - 800mm up to 2000mm Battery backup and lock option (Fail safe - Fail secure) Radar activation and A.I.R. safety curtain Five position programme switch

AUTOMATICS

Automatic Swing Door Operators



DORMA ED 100

DORMA has developed a Low Energy swing door operator which provides easy and safe access for all users. The unit offers a range of operating modes which enable the door to be opened under power when required, and can be used as a conventional manual swing door at all other times. The ED 100 opens the door at precisely controlled speeds and forces, assuring safety for all users.

Door weight maximum – 100kg Door width maximum – 1100mm IRS safety curtain option

DORMA PORTEO

Automatic swing door assistant - Effortless opening and closing of swing doors up to a width of 1100 mm and a leaf weight of 80 kg, compact dimensions $60 \times 530 \times 80$ mm (H x W x D), particularly suitable for use in conjunction with narrow-stile and standard profile door systems, easy installation thanks to the "plug&go" supply.

Door weight maximum - 80kg Door width maximum - 1100mm



DORMA ED 250

The ED 250 heavy duty swing door operator provides easy and safe access for all users. The unit offers a range of operating modes which enable the door to be opened under power when required and can be used as a conventional manual swing door at all other times. The robust drive of the ED 250 makes this unit suitable for the most demanding applications.

Door weight maximum – 250kg Door width maximum – 1600mm IRS safety curtain option





Revolving Doors



DORMA KTV Varioline

DORMA KTV doors are exceptionally versatile. Inside diameters from 2000 - 3400mm can be supplied. Standard fixed diameters of 3600 mm and 3800 mm are also available. Depending on the diameter, clear passage heights of up to 3000 mm can be achieved.



DORMA KTC Comfortline

Easy to operate and ideally suited to the requirements of wheelchair users, the DORMA KTC-2 raises accessibility and convenience to a new level. The wide range of functions ensures a high throughput capacity even during peak traffic periods. Fixed inside diameters of 3600, 4200 and 4800 mm are available.







DORMA Glass

The DORMA Glass Range provides the perfect complement fully to standard glazed systems, enhancing their visual attractiveness. Uncomplicated, easy to fabricate glass recesses, bores or simple clamping surfaces are all that is needed for installation and attachment. All our fittings and accessories are of modular design comprising the basic body, functional inserts and covers, high grade materials of solid construction ensure long service lifetimes.

GLASS AND ACCESSORIES

DORMA Glass - Sliding Door Solutions





AGILE 50

With its track rail height of just 50mm, the AGILE 50 - a sliding door system designed for lightweights up to 50 kg - is so slender that even small doors appear to be generously proportioned. Where space is limited, AGILE 50 provides a discrete solution ideal for both private and public applications, and is also suitable for wet rooms (EN 1670, Class 4). The clamp-type fittings and roller carrier unit for 8 to 10 mm glass are concealed within the aluminium track profile and no glass preparation is required. Easy wall installation, almost silent operation, and the precise latching of the door thanks to a special stop assembly, make the AGILE 50 the perfect solution.

AGILE 150

Sliding glass doors provide huge space saving benefits, minimalist design and combined with proven roller technology, ensure that even large doors can be operated smoothly and with ease.

The AGILE 150 operational mechanism is completely concealed in the track, which measures only 63mm high, enabling sliding glass doors to retain their minimalist aesthetics. The clamp fitted roller means that no glass preparation is required. Just two maintenance-free clamp carriers can support glass of up to 150kg in weight.



RSP 120

RSP 120 system is available for double panel sliding doors. It's two visible and maintenance free roller carriers are rated to support glass panels up to 120kg in weight.



DORMOTION

Whether due to temper, haste or carelessness – every now and then, doors get slammed. Already renowned for its robustness, the AGILE 150 as well as MSTS sliding door system now offers added convenience with the DORMOTION cushioning feature. No matter if the door is opened and closed with a little too much gusto, just a few centimetres before the end of its travel path – in both directions – the sliding panel on its roller carrier is gently cushioned and then smoothly drawn, spring-aided through to its end position. The system works with whatever manual force is applied to the door and once the door has been opened or closed, an end stop holds the panel in place – eliminating both uncontrolled fallback and also the problem of incomplete closure. That means increased safety and even more living comfort.

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DORMA Glass - Sliding Door and Pivot Door Fittings





RSP80

RSP 80 system is available for single panel sliding doors. It's two visible and maintenance free roller carriers are rated to support glass panels up to 80kg in weight. During both opening & closing cycles the doors are gently decelerated by a grip type buffer in their end positions.



MANET Sliding Door

For faster planning the MANET COMPACT System from DORMA is now available in kit form, with a choice of six different combinations and designs. Complete with all necessary fixtures and fittings, the products come in an attractive boxed presentation



Patch Fittings

DORMA EA patch fittings are characterised by their slim, neat shape and skillfull hinge design. This comprehensive range of fittings allows the transparent elegance of single-action doors to reach their full potential - whether hung in frames or integrated in toughened glass assemblies.

Easy glass preparation secure fixing: DORMA-Glas has an intimate knowledge of the special properties of glass as a building material. This has led to the design of fittings requiring only minimal glass preparation - a quick and easy cut out with additional holes.



BEYOND Pivot

Safe, functional and extremely attractive, DORMA BEYOND is a unique system for glass doors. There is no risk of pinched fingers with swing doors.

The pivot point is located centrally in the glass axis and directly at the glass edge to ensure maximum safety and stability, and the slim, round profile provides a modern design. Suitable for 8 to 10 mm glass and doors weights up to 80 kg, the system has alternative options of either a continuous pivot rod, or smart, short rod.

Pivot Doors continued



ARCOS Fittings

With its broad spectrum of basic types and variants, the DORMA ARCOS Universal range of patch fittings enables the realisation in toughened glass of almost any conceivable design. Toughened glass assemblies can be provided with fixed parts 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.



VISUR

All-glass double-action doors without any visible fixings? Meet DORMA VISUR, a system patented for DORMA that secures double-action glass doors without the need for any visually disruptive functional elements. This absence of fittings means that the all-glass double-action door will match any room style.

Rail

DORMA TP/TA door and side panel rail coordinate in design, dimensions and finishes with all DORMA patch fittings. This creates the opportunity to specify fittings for the assembly wich provide maximum protection and effective sealing of the lower glass edges. The provision of door rails allows the installation of exteremely heavy-duty and wide doors. The robust base rails are screwed together from alternate sides of the door at 150 mm centres. This makes unauthorised removal of the rail virtually impossible. All door rails are available with integral locks, prepared for profile cylinders and with security rosettes, or pre pared for certain lever locks.

DORMA-Glas has an intimate knowledge of the special properties of glass as a building material. This has led to the design of rails requiring no glass preparation – no holes, no cut-outs. Carefully considered and positive measures have been taken to create the maximum clamping surface with optimum clamping efficiency. Quality materials and thorough workmanship mean that DORMA's TP/TA rails have the features necessary to meet the most demanding of specifications.



XS Cylinder

The DORMA XS cylinder is the new multi-talent for electronic master key and access control systems. Depending on requirements, the same component can be used as a double cylinder with unidirectional and bi-directional (also with differentiated authorisations) electronic access control, as an electronic single (half) cylinder, or as an electronic cabinet lock.

PAGE



Hinged Doors

STUDIO



Classic

Designed for demanding specifications, the accessories in the DORMA Studio range will give reliable service in busy environments. The range of locks, levers and hinges is wide enough to offer plenty of scope for design opportunities. In addition to the standard aluminium finishes some articles are also available with cover caps in stainless steel or brass. **Rondo**

DORMA Studio-Rondo have a charm and neatness in their simple, uncluttered lines that serves to enhance the inherent beauty and character of tempered glass doors. The extended colour options provide a wide range of creations.

Gala

DORMA Studio-Gala emphasizes the complete harmonic shape of locks and handles in a superior ambience.

Junior

Designed for demanding specifications, the accessories in the DORMA Junior-Office range will give reliable service in busy environments. The range of locks, levers and hinges is wide enough to offer plenty of scope for design opportunities. In addition to the standard aluminium finishes some articles are also available with cover caps in stainless steel or brass.



Gala

ARCOS

With its broad spectrum of basic types and variants, the DORMA ARCOS Universal range of patch fittings enables the realisation in toughened glass of almost any conceivable design. Toughened glass assemblies can be provided with fixed parts 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.



TENSOR Double Action Hinge

TENSOR double-action door hinges can be fixed directly to the masonry or to a non-rebated frame. In the case of "glass-to-glass" model, the double-action door is hung from a fixed toughened glass side screen.

At 90°, the TENSOR system holds the door firmly and securely in position. Once pushed in the closing direction, the spring mechanism of the TENSOR fitting takes over, operating from an angle of 80°. The door closes quickly and securely. And even at an opening angle of 2°, the torque of 10 Nm created is sufficient to keep the door conveniently in its closed position.

PAGE

Structural Fittings





Suitable for internal and external, single or double glazed walls, LOOP is a new innovative solution that clamps glass panels and therefore requires no drilling or machining of the glass.



FIN Spider

The main façade glass panels are suspended from a beam or slab by means of concealed clamps. Lateral support is provided by tempered glass fins of various design, thickness and configurations, independently clamped to the structure, while allowing for differential movement against the main glass facade. High span façade require the glass fin to be installed in sections held together by stainless steel splice joints.



MIRAGE Pool Fence

All DORMA solutions rely on hydraulic operation ensuring that at all times gate motion is under full control, and positive engagement of the locking mechanism is achieved. Centered above the market leading DORMA BTS Floor Springs Series, our solutions offer complete hydraulic gate control, self closing and latching functionality, and as a result maximum safety and peace of mind.



V Spider

The DORMA V Series of Spider Fittings allows for maximum creative flexibility, while presenting a unique and innovative design, unparalleled quality and superior performance. Supplied in variants ranging from one to four arm configuration, and formed from the highest quality 316 Grade SS, all castings are TUV Certified ensuring superior quality and performance.



Canopies

The MIRAGE Entrance Canopy Series of fittings allows for maximum creative flexibility, while presenting simple packaged set solutions. Supplied in packaged sets to suit either Single Canopy or Double / Continuous Panel configurations for longer runs, and formed from the highest quality 316 Grade SS. Designed to accommodate Laminated Safety Glass in 13.52 or 17.52mm thickness', and with optional solutions to suit 21.52mm Glass and beyond.

PAGE



Structural Fittings continued





MANET Spider

The MANET CONSTRUCT system uses the distinctive MANET countersunk fixing design and consists of three main elements; single point fixings, the spider and connection components. The MANET CONSTRUCT EV load bearing single point fixings suit a wide range of applications and are available with either a countersunk or clamp-head detail for attachment either to the building substructure or MANET CONSTRUCT SPIDER. Suitable for straight lined or segmented facades and circular configurations with curved glazing, the MANET CONSTRUCT Spider is available with one to four arms. The articulated spider hub benefits from three-dimensional movement that helps compensate for building tolerances.

RODAN

The RODAN range includes both tie rods and glass clamp mountings to create facades, roofs and canopies, or simply to truss steelwork where additional strength is required. Round section rods and fork end pieces of the RODAN tie system form versatile components that can be ideally complemented by a hub and coupler system.

The RODAN glass clamp mountings securely hold the glass sheet in place, each being tailored to solve a project-specific task in terms of glazing installation and compensation of tolerances. DORMA RODAN provides a wide spectrum of connection elements that give freedom to create aesthetic solutions for lightweight, transparent architecture





C Spider

The DORMA C Series structural spider fitting features fully concealed fixings. It allows for maximum creative flexibility with exceptional quality and performance. Coupled with a variety of disc and countersunk point fixings, the series allows for the seamless integration of energy-efficient glass or double-glazed solutions to even the most complex of structures.

Easily identifiable by its unique curved arm and fully concealed fixing bases, the spider casting creates an interesting design feature. All DORMA C Series spider fittings are formed from the highest-quality 316 grade stainless steel, and are independently tested to ensure superior quality and performance.

Balustrades

Suited to an immensely broad range of applications, and made wherever possible from 316 grade stainless steel, the MIRAGE range of Pool and Balustrade fittings are amongst the very best available.

The Series is suited to a wide variety of applications, with comprehensive solutions for both chemset and surface mounted installation. Independently tested to comply with the requirements of AS1926.1-2007, the fitting is supplied with the peace of mind that can only come from DORMA's worldwide warranty backup, technical support and product quality.

Sliding Stacking Doors



HSW

By providing the large glazed areas with top and bottom rails with finished covers add harmony to the overall appearance. The door closer is also integrated as a concealed unit for the ultimate in aesthetic perfection. HSW-ARCOS with the ITS 96, size 24, is currently the only product on the market to offer such an invisible solution - a system that keeps the lines smooth and uninterrupted. The top and bottom door rails also contribute to an integrated overall appearance in which the sliding, pivoting, and double action panels are effectively incorporated.



FSW

Same construction and functional characteristics as HSW, however panels are articulated by hinges, and can be from 2 to 8 panels.



GRAL - Shower Fittings





MSTS 5000 Vario

The DORMA multifunctional sliding door system is a genuine all-rounder. It can divide and connect rooms, or hide storage space; it can be stored away in a wall recess, fitted to the ceiling or in front of the wall.

There are almost no design restrictions. Beside other materials with a thickness of 4-10 mm first of all glass should be used as infill panels. Built as either toughened safety glass or laminated glass it is available in thicknesses of 6 and 8 mm. The design options range from neutral to bright colours, from translucent to opaque. Moreover glass is an easy-care material. Visual divisions of the door areas are possible using attractive sash bars. A wide range of accessories is available for even greater comfort, including soft closers, stoppers and sealing brushes.

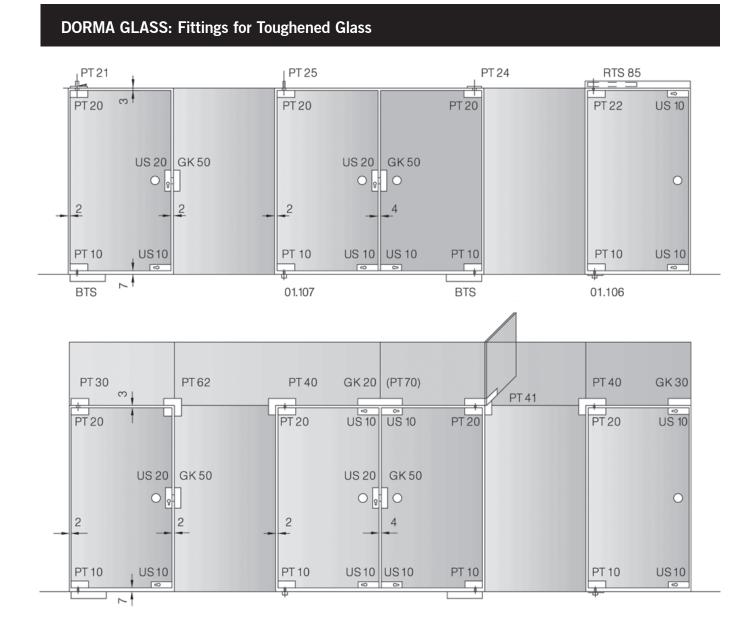
The GRAL range of fully glazed shower systems boast a broad spectrum of standard solutions distinguishable by their sophisticated design, high functionality and extensive application suitability.

The portfolio is extremely comprehensive, offering solutions for almost every conceivable situation: square or pentagonal shower cubicles, round cubicles with curved glass panels – the possibilities are endless. A wide range of folding, sliding and pivoting doors can be integrated as customised solutions.



PAGE



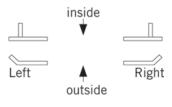


BTS = Floor spring GK = Strike box PT = Centre hung door fittings RTS = Transom closer US = Lock Maximum door weight

max. door weight: 100kg max. door width: 1100mm For door weights up to 150kg and widths up to 1400mm, door rails should be used.

Please note: If angle fittings or fin fitting are used:

"Left" or "Right" have to be determined in any case by view from outside and above.



Note: Please refer to the diagrams above for reference regarding glass door fittings. Only natural and stainless prices shown, others available on request.

DORMA GLASS: Rails for Toughened Glass

Standard 76mm	Mill	Natural	Bronze	Brass	Brushed/Polished Stainless
≤750mm Bottom rail (no lock) (BTS insert included)	RAIL 1	RAIL 2	RAIL 3	RAIL 4	RAIL 5
≤1000mm Bottom rail (no lock) (BTS insert included)	RAIL 6	RAIL 7	RAIL 8	RAIL 9	RAIL 10
≤1200mm Bottom rail (no lock) (BTS insert included)	RAIL 11	RAIL 12	RAIL 13	RAIL 14	RAIL 15
≥1200mm ≤1500mm Bottom rail (no lock) 7421 strap included	RAIL 16	RAIL 17	RAIL 18	RAIL 19	RAIL 20
≤750mm Bottom rail (With lock) (BTS insert included)	RAIL 21	RAIL 22	RAIL 23	RAIL 24	RAIL 25
≤1000mm Bottom rail (With lock) (BTS insert included)	RAIL 26	RAIL 27	RAIL 28	RAIL 29	RAIL 30
≤1200mm Bottom rail (With lock) (BTS insert included)	RAIL 31	RAIL 32	RAIL 33	RAIL 34	RAIL 35
≥1200mm ≤1500mm Bottom rail (With lock) 7421 strap included	RAIL 36	RAIL 37	RAIL 38	RAIL 39	RAIL 40
≥750mm Top rail (no lock) (Top centre pivot included)	RAIL 41	RAIL 42	RAIL 43	RAIL 44	RAIL 45
≤1000mm Top rail (no lock) (Top centre pivot included)	RAIL 46	RAIL 47	RAIL 48	RAIL 49	RAIL 50
≤1200mm Top rail (no lock) (Top centre pivot included)	RAIL 51	RAIL 52	RAIL 53	RAIL 54	RAIL 55
≤1500mm Top rail (no lock) (Top centre pivot included)	RAIL 56	RAIL 57	RAIL 58	RAIL 59	RAIL 60
≤750mm Top rail (With lock) (Top centre pivot included)	RAIL 61	RAIL 62	RAIL 63	RAIL 64	RAIL 65
≤1000mm Top rail (With lock) (Top centre pivot included)	RAIL 66	RAIL 67	RAIL 68	RAIL 69	RAIL 70
≤1200mm Top rail (With lock) (Top centre pivot included)	RAIL 71	RAIL 72	RAIL 73	RAIL 74	RAIL 75
≤1500mm Top rail (With lock) (Top centre pivot included)	RAIL 76	RAIL 77	RAIL 78	RAIL 79	RAIL 80
≤500mm Sidelight (Filler rail included	RAIL 81	RAIL 82	RAIL 83	RAIL 84	RAIL 85
≤750mm Sidelight (Filler rail included)	RAIL 86	RAIL 87	RAIL 88	RAIL 89	RAIL 90
\leq 1000mm Sidelight (Filler rail included)	RAIL 91	RAIL 92	RAIL 93	RAIL 94	RAIL 95
≤2000mm Sidelight (Filler rail included)	RAIL 96	RAIL 97	RAIL 98	RAIL 99	RAIL 100
≤3000mm Sidelight (Filler rail included)	RAIL 101	RAIL 102	RAIL 103	RAIL 104	RAIL 105

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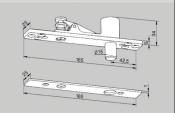
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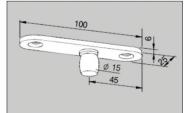
additional charge additional charge

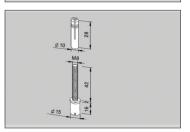
DORMA | Glass and Accessories

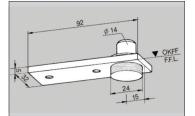


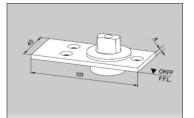
DORMA GLASS: Accessories for Toughened Glass

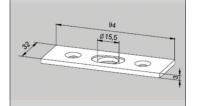


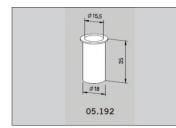












PT 21 Frame Portion

01.118

Top centre with removable pin 15mm Ø, with cover plate

PT 24 Pivot MM

01.123 – 3 mm - 01.116 – 6 15mm Ø, with Exing plate, material thickness 6mm, to let into ceiling

PT 25 Screw in Pivot Insert

01.115 15mm Ø with plug

Floor Pivot Bearing with Round Pivot

01.106

14mm Ø, and cover plate; height adjustable by 5mm max. door weight 100 kg $\,$

Floor Bearing

With **DORMA** profile spindle (longer spindle on request), max. door weight 200kg

Lock keeper plate

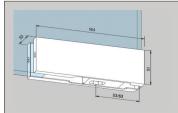
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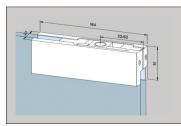
Stainless Steel, two parts, adjustable +/- 5mm

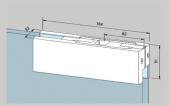
Floor socket

05.192 Aluminium, with spring and plastic stopper, dirt protection

DORMA GLASS: Accessories for Toughened Glass





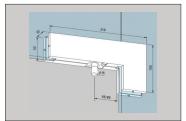


PT 30 Overpanel Patch

03.120 With pivot 15mm Ø, with M 8 tapped hole at side

PT 34 Overpanel Patch

03.128 and 03.120 With pivot 15mm Ø with M8 tapped hole at side and fixing plate



PT 40 Patch

03.140

For overpanel and side panel with pivot 15mm Ø

PT 41 Patch

03.163 For overpanel and side panel, with fin fitting inside, with pivot 15mm Ø

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PT 10 Bottom Patch

03.100 With insert for DORMA floor spring spindle, or round pivot 14mm Ø

PT 20 Top Patch

03.110 With plastic socket for top pivot 15mm Ø

PT 22 Top Patch

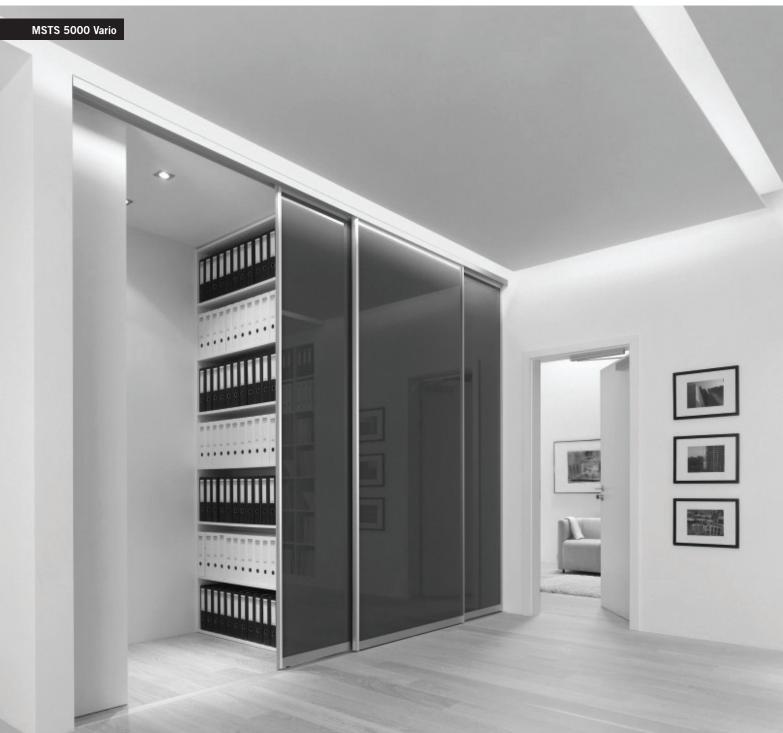
With insert for DORMA RTS



DORMA GLASS: Accessories for Toughened Glass				
	PT 80 Connector 03.170			
	PT 81 Connector 03.175 with fin fitting			
53	PT 90 screw on fitting 07.021			
2 ³	PT 91 Corner Fitting 07.023			
199	US10 03.206 Upper and lower corner patch lock			
Na Contraction of the second s	US20 07.03.215 Centre lock			
	GK50 03.224 Centre keep for double doors			







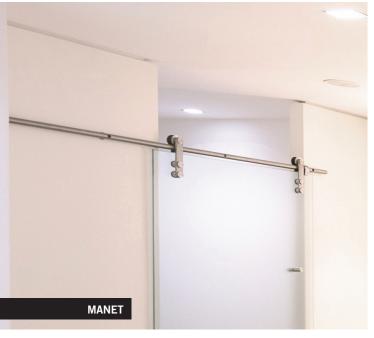


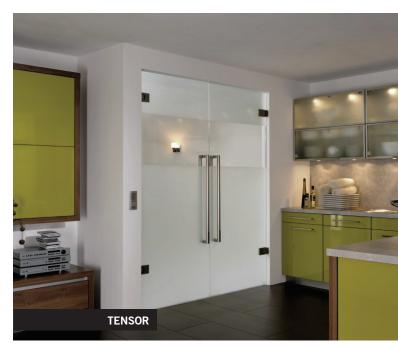
DORMA Interior

As a partner to architects, specifiers, fabricators and installers, DORMA shows how spatial aesthetics and functionality can be united within sophisticated design solutions. DORMA technology impresses through its quality, convenience and design – enhancing many spheres of life worldwide, for more than 100 years. And not infrequently at the best addresses as well.

The Interior Concept by DORMA demonstrates how multifaceted room design can be – today and into the future. Discover with us how a home can be transformed into an oasis of comfort, how a restaurant can be a source of inspiration or how hotel architecture can massage the soul.

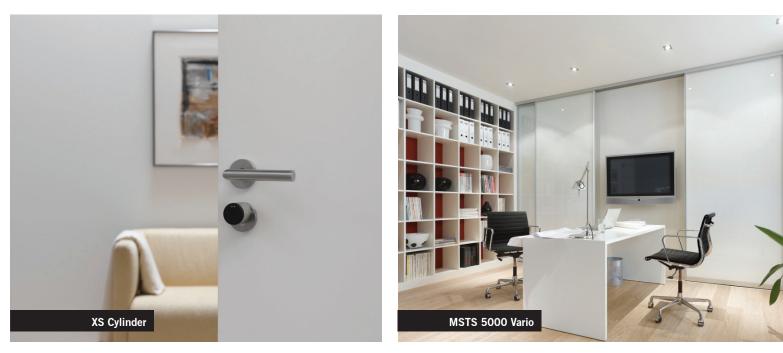
INTERIOR

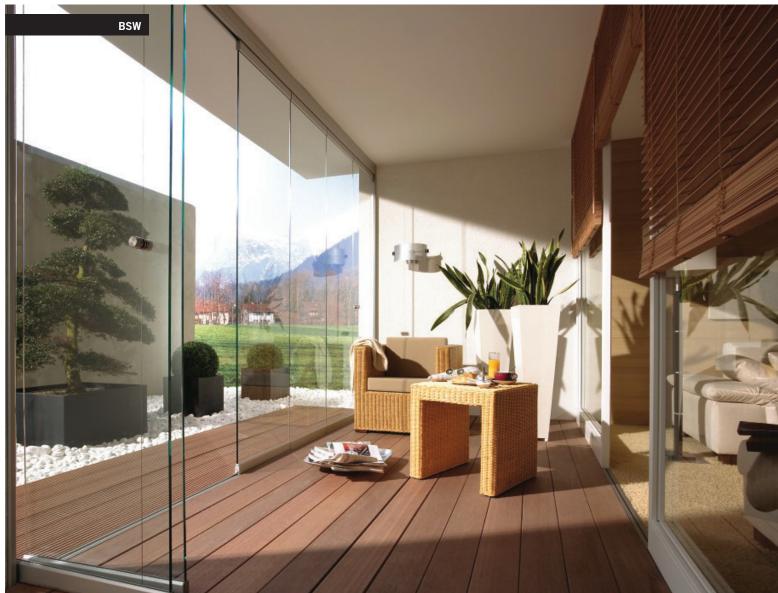












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CONDITIONS OF SALE

Conditions of Sale

1. Definitions

- 1.1 "The Company" means DORMA South Africa (Pty) Ltd.
- 1.2 "The Purchaser means the party who has placed an order with the Company, or any person with whom the Company contracts as a result of any offer to purchase goods from the Company, and includes the Purchaser's representatives, successors and permitted assigns.
- 1.3 "Contract" means any contract or agreement arising out of the acceptance of any offer, whether such a Contract arises as a result of:
- 1.3.1 an offer made by the Company and accepted by the Purchaser; or
- 1.3.2 an offer made or order placed by the Purchaser and accepted by the Company; or
- 1.3.3 an offer made or order placed by the Purchaser in response to the quotation from the Company.
- 1.4 "Products" (finished goods) means the subject matter of the Contract.

2. General

- 2.1 These terms and conditions shall apply to any Contract in terms of which the Company agrees to sell any products, to the exclusion of any terms and conditions which the Purchaser may seek to make applicable.
- 2.2 No alteration or variation of these terms and conditions shall be of any force and effect, unless expressly agreed to in writing by the Company and signed by an authorised representative of the Company and the Purchaser.
- 2.3 The acceptance of orders is subject to the availability of the Products at date of acceptance.
- 2.4 A Contract shall come into existence when the Company accepts an order for Products placed by the Purchaser or when the Purchaser accepts any offer to sell, or quotation for Products marketed by the Company by conveying such acceptance, in writing transmitted by facsimile, e-mail or delivered by hand or post.
- 2.5 In the event of any offer or order or acceptance of an offer or order by the Purchaser being made or given on the Purchaser's official order form, the Purchaser shall be stopped from denying the validity thereof, notwithstanding the fact that such official order form may have been given or signed by a person not authorised thereto by the Purchaser.
- 2.6 The Company will not enter in Contracts which are less that R2 750 (two thousand seven hundred and fifty Rand) in value. Exceptions may be granted at the discretion of the Company.

3. Purchase Price And Payments

- 3.1 The purchase price payable by Purchaser for the Products shall be the company's listed price for such products at the date of despatch of the products, unless otherwise agreed to in writing by the Company.
- 3.2 The purchase price does not include Value Added Tax which shall be paid by the Purchaser in addition to the purchase price.
- 3.3 The Company reserves the right to vary its listed prices from time to time without notice to the Purchaser.
- 3.4 In instances where the Company's listed prices are varied in accordance with 3.3 above between the date of the Contract and the date of the delivery of the Products then the Purchase price for such Products will be determined according to the Company's listed price, as varied, applicable on the date of such delivery.
- 3.5 The purchase price is payable, without deduction or set off of whatever nature, within 30 (thirty) days of the date of statement, unless otherwise agreed to in writing by the Company.
- 3.6 Should the Purchaser fail to make any payment on due date, then all amounts outstanding, from whatever cause, whether or not the date for payment thereof has arrived, will immediately become due and payable by the Purchaser to the Company.
- 3.7 Any amount not paid by the Purchaser to the Company on due date shall bear interest from due date to date of final payment at the maximum rate permissible from time to time, in terms of the Usury Act Number 73 off 1968 (as amended), or any other applicable legislation.
- 3.8 In the event of action being instituted by the Company against the Purchaser for the enforcement of the Company's rights in terms of any contract, the Purchaser shall be obliged to pay the Company's cost for such action on an attorney and own client's scale, including any collection commission payable in terms of Law.

4. Discounts

- 4.1 Prices are not subject to any discounts unless otherwise agreed to in writing by the Company.
- 4.2 The Company may at it's discretion offer a discount of 3% (three percent) on accounts settled within 30(thirty) days of the date of statement. Should any queries exist, these must be communicated in writing within 14 days of statement date, so that these can be resolved timeously and not jeopardise any settlement discounts that may be taken thereon.
- 4.3 If any discount is agreed to, it shall only be allowed if payment is received by the Company on due date and shall only apply to the Company's list price for the Products.

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Conditions of Sale continued

5. Delivery

- 5.1 CARRIAGE: Normally carriage will be for the Purchaser's account. Until further notice however, the Company will pay normal goods transport to the Purchaser's Business premises on all consignments, provided that the destination is the Purchaser's own premises and that this is within the Republic of South Africa, Botswana or Namibia. Carriage costs for automatic door controls will be for the Purchaser's account.
- 5.2 Should the Company be requested by the Purchaser to effect delivery of the Products by an alternative method, any increase in the cost of effecting such an alternative method of delivery shall be for the Purchaser's account.
- 5.3 Notwithstanding any provision in the Contract to the contrary, the Company's obligation to deliver the products shall in all cases be subject to:
- 5.3.1 the availability of the Products,
- 5.3.2 the timeous receipt by the Company of any and all instructions required by the Company for the execution of the Contract.
- 5.4 WEIGHT: The goods to be dispatched to the customer shall be packed and weighed by the company at its place of dispatch. The packed weight shall be marked on the packaging. Should the Buyer elect not to weigh the goods on receipt then he accepts the contents as declared by the Company. No claims for short delivery will be entertained unless the Buyer can prove that the goods delivered are not of the weight declared on the packaging.

6. Risk

- 6.1 In the event of deliveries being effected by a recognised carrier then the risk in and to the Products shall pass to the Purchaser upon delivery thereof by the Company to each recognised carrier/depot.
- 6.2 If more than one delivery is to be made in terms of a Contract, then the provisions of this clause 6 apply to each delivery.
- 6.3 Should the Purchaser elect to have delivery effected by an alternative method in terms of clause 5.3 then the risk in and to the Products so delivered shall pass to the Purchaser upon despatch of such goods from the Company's premises.

7. Retention Of Ownership

Ownership of Products sold in terms of the Contract shall remain vested in the Company and shall not pass to the Purchaser until the purchase price is paid in full, and until such payment has been made, the aforementioned Products shall not in any way be hypothecated or pledged. Where the Products are to be stored at leased premises the Purchaser hereby undertakes promptly to inform the Lessor that the Company has retained the right of ownership over all Products, which are the subject matter of the Contract.

8. Disclaimer

- 8.1 The Company shall under no circumstances be liable for any loss of profit or any damages whether direct or indirect, consequential or otherwise, sustained by the Purchaserarising from any cause what so ever including any damages arising as a result of the negligence of the Company, its servants, agents and sub contractors save that the Company shall be liable for a period of 1 (one) year to replace defective Products.
- 8.2 Insofar as any of the Company's obligation in terms of the Contract are carried out by its servants, agents or sub-contractors, the provisions of paragraph 8.1 are stipulated also for their benefit.
- 8.3 The Purchaser shall not have any claim of any nature whatsoever against the Company for any failure by the Company to carry out any of its obligations under the Contract as a result of force majeure, including but without being limited to any strike, lock-out, shortage of labour or materials, delays in transport, accidents of any kind, any default or delay by any sub-contractor or supplier of the company, riot, political or civic disturbances, the elements, any act of any State of Government, any delay in securing any permit, consent or approval required by the Company for the supply of Products under the Contract or under any other authority, or any other cause whatever beyond the Company's control.

9. Warranties And Claims

- 9.1 All Contracts are executed by the Company without any warranty, express or implied, that the Products will be suitable for use for any specific purpose, or under any specific conditions or under abnormal or unusual conditions or circumstances, notwithstanding the fact that such purpose, conditions or circumstances may be known to the Company. No representation is made nor warranty given to the Purchaser as to the performance of other qualities of the Products sold.
- 9.2 The Company retains the right to vary or alter the specifications of the Products without notice, save that such varied or altered specifications will not, without the Purchaser's consent (which may not be unreasonably withheld) be applicable to Contracts already in existence.

CONDITIONS OF SALE

Conditions of Sale continued

- 9.3 The Purchasershall have noclaim of any nature what soever against the Company by reason of any delay by the Company in effecting delivery of Products on any date or dates that may be specified in the Purchaser's order, or within a reasonable time in those cases in which no such date is specified.
 9.4 No objection or claim in respect of Products delivered will be entertained unless:
- 9.4.1 it is endorsed on the delivery note or waybill at the time of delivery at the Purchaser's place of business; and
- 9.4.2 it is made in writing to both the Company and the carrier effecting delivery within 7 (seven) days from the date of despatch of the Products.
- 9.5 Should the Purchaser not have endorsed the delivery note or waybill in terms of 9.4.1 and objected in writing in terms of 9.4.2, then the Purchaser will be deemed to have received delivery of each and every item reflected on such delivery note or waybill.
- 9.6 The Company warrants all goods and products as at the date of delivery (including packaging, installation instructions, manuals, specification instructions and care and maintenance instructions). All risk and obligations in the goods and products delivered by the Company passes to the Purchaser immediately upon delivery to the Purchaser.

10. Suspension Of The Company's Obligations

If any amount payable by the Purchaser is not paid on due date, then without prejudice to any other right which it may have in terms here of, the Company may immediately suspend the carrying out of its then uncompleted obligations in terms of any Contract until payment is made in full by the Purchaser.

11. Return Of Goods

- 11.1 The Company does not accept the return of Products other than Products delivered in error or not corresponding with the specifications in the Contract. Such Products may be returned to the Company after agreement by the Company and obtaining a goods return authorisation (G.R.A.) number, which must accompany all goods returned. Goods will be returned at the Company's expense within 5 (five) working days of receipt thereof by the Purchaser. Invoice/G.R.A. numbers must always be quoted when a request for a credit for such Products contemplated herein is made, such requests must be in writing.
- 11.2 The Company may in its sole discretion and subject to such conditions or charges as it may impose, agree in writing to accept other returns due to no fault of DORMA South Africa (Pty) Ltd., subject to a 15% handling charge, provided the goods returned are in the same condition as when delivered by DORMA South Africa (Pty) Ltd.
- 11.3 Products delivered in error or not corresponding with the specifications in the Contract will only be considered for credit to the Purchaser where such Products are:
- 11.3.1 returned undamaged to the Company within 5 (five) working days of receipt thereof by the Purchaser; and
- 11.3.2 are in their original packaging and have not been unpacked or used in part; and
- 11.3.3 are not defaced by price labels or other markings.

12. Governing Law

- 12.1 This Contract is governed by the laws of the Republic of South Africa.
- 12.2 In terms of Section 45 of the Magistrates Court Act, No. 32 of 1944, (as amended), the Purchaser hereby consents to the jurisdiction of the Magistrates Court having jurisdiction in terms of Section 28 of the said Act in respect of any action to be instituted against the Purchaser by the Company in terms of the Contract. It shall nevertheless be entirely within the discretion of the Company as to whether to proceed against the Purchaser in such Magistrates Court or any other court having jurisdiction.

13. Change Of Address And Ownership

The Purchaser shall give written notice to the Company:

- 13.1 forthwith upon any change of address of the Purchaser:
- 13.2 within 7 (seven) days of any change of ownership of the business of the Purchaser or any transaction affecting the majority shareholding of the Purchaser where the Purchaser is a Company and affecting the majority member's interest where the Purchaser is a Close Corporation.

14. Set-Off

Set-off shall operate automatically as a matter of Law at the moment when reciprocal debts between the Company and the Purchaser come into existence, and independently of the will of the parties, and it shall not be necessary for the Company to specifically raise set-off.

15. Prices

All prices subject to exchange rate fluctuations. Prices exclude VAT.