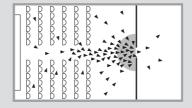


Panic Hardware in Contur Design

THE MODULAR DORMA PANIC HARDWARE-SYSTEM IN CONTUR DESIGN

Prior knowledge of how to open the escape door is not expected.

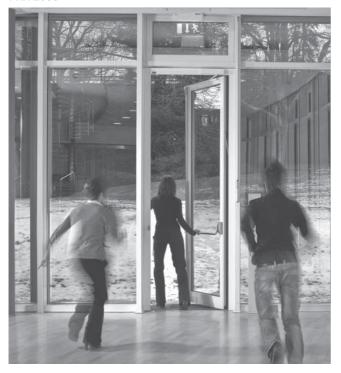
DANGER OF PANIC



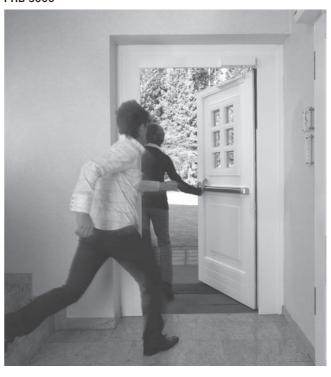
EN 1125

Panic exit devices operated by a horizontal bar

PHA 2000



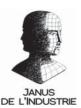
PHB 3000



Approval certification

The Panic Hardware products of the series PHA 2000 and PHB 3000 have been tested to and certified compliant with EN 1125. All products meet the requirements of Annex ZA to EN 1125 and are therefore qualified to bear the € mark of conformity.

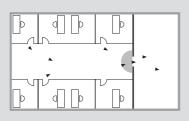




ADVANCED, HIGH-SPEC FITTINGS FOR EMERGENCY EXIT DOORS

Prior knowledge of how to open the escape door is expected.

NO DANGER OF PANIC



EN 179
Emergency escape devices with exit pad

With this system, DORMA is able to offer a comprehensive range of high-quality panic hardware fittings with horizontal and vertical locking for doors in emergency exits and escape routes – applications in which safety, reliability and aesthetic attractiveness are indispensable requirements. DORMA's PHA and PHB products cover in full the hardware requirements that

arise in public-frequented facilities such as hospitals, universities and schools, concert halls, shopping malls, hotels and administrative buildings. Whether office suites or apartment blocks, in buildings where there is generally no public pedestrian traffic, the Exit Pad provides the ideal answer. For both series, the same external DORMA PHT fittings are used.

Exit Pad



CONTENTS

PHA 2000/PHB 3000	Features and functions	4
PHA 2000	Dimensions	6
	Applications and fixing details	7
PHB 3000	Dimensions	8
	Applications and fixing details	9
PHA 2000/PHB 3000	Components	10
Exit Pad	Features and functions	16
	Dimensions	18
	Applications and fixing details	19
	Components	20
Glass Kit	Features and functions	22
	Applications and fixing details	23
	Components	28
PH Accessories	Applications and fixing details	30
	Components	32
PHT	External fittings	34

Approval certification

The emergency exit devices of the Exit Pad series are tested to and certified compliant with EN 179. All products meet the requirements of Annex ZA to EN 179 and are therefore qualified to bear the C€ mark of conformity.

PHA 2000 / PHB 3000 PRACTICAL PANIC HARDWARE FOR MANY DOOR SITUATIONS

With the series PHA 2000 crossbar and the series PHB 3000 pushbar combined with the universally applicable PHT external fittings, DORMA is able to offer a range suitable not only for narrow-stile doors but also timber and similar full-face doors.

The wide security latchbolt engages in a keeper that is normally mounted on the frame. This ensures that the latch is extremely easy to mount and that the door is also securely locked.

Benefits

For the trade

- Modular system for reduced storage costs
- Non-handed
- Universal use of PHT external fittings

For the installer

- Straightforward fixing
- Easy adjustment to different door widths and heights

For the architect/specifier

- For horizontal and vertical panic lock mechanisms
- External fitting with DORMA lever handle or knob
- Electrical functions for special applications

For the user

- Simple operation
- Excellent quality ensures long lifespan
- Universal electric strike

Data and features		PHA 2000			PHB 3000		
		1-point	2-point	3-point	1-point	2-point	3-point
Modular system		•	•	•	•	•	•
Standard (non-expandable)		-	•	_	•	-	-
Standard doors (single-leaf/do	uble-leaf)	•	•	•	•	•	•
Fire and smoke check doors (s	ingle-leaf/double-leaf) F	•	•	•	•	•	•
Glass doors		•	•	•	_	_	_
Door width	≤ 1000 mm	•	•	•	•	•	•
	≤ 1300 mm	•	•	•	•	•	•
Door height	≤ 2270 mm	_	•	•	_	•	•
	≤ 3400 mm ¹⁾	_	•	•	_	•	•
Max. door leaf weight in kg		200	200	200	200	200	200
Non-handed design		•	•	•	•	•	•
Dogging device ²⁾		•	•	•	•	•	•
Security anti-thrust latch	for standard doors	_	-	_	_	-	_
	for fire and smoke check doors	•	•	•	•	•	•
Unlocking via electric strike		0	0	0	0	0	0
Monitoring switch on actuating	g bar	0	0	0	0	0	0
PHT external fittings							
For standard doors and fire and smoke check doors		•	•	•	•	•	•
For door leaf thicknesses up to	o 60 mm						
Extended handle spindle and bolts for door leaf		0	0	0	0	0	0
thicknesses of 60 – 105 mm							
Approved to EN 1125		_ •	•	•	•	•	•
C€ mark for construction produ	ıcts	•	•	•	•	•	•

[●] Yes - No ○ Option

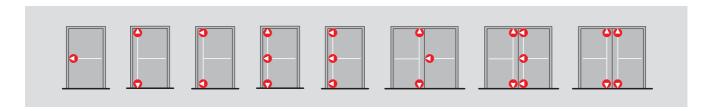
F Approval certification

The panic hardware products marked with an are approved for use with fire and smoke check doors. Approval certification for the fire and smoke check door

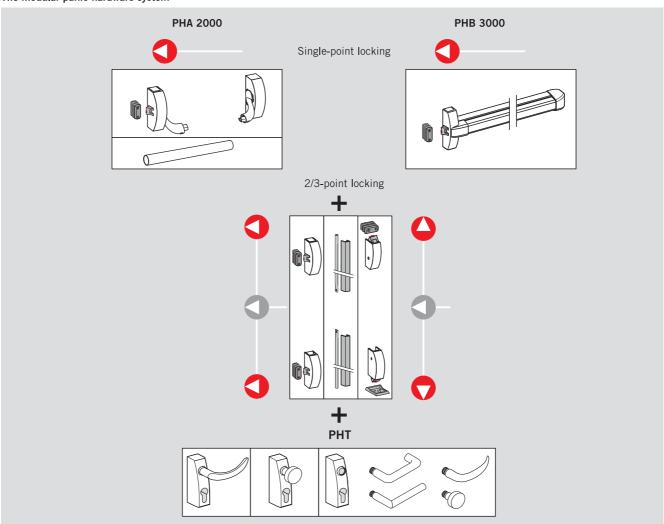
in conjunction with the DORMA panic hardware product is additionally required in some countries – check local regulations.

¹⁾ Doors higher than 2500 mm lie outside the scope of EN 1125.

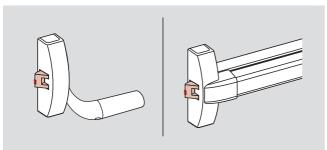
²⁾ Not for Fire and smoke check doors.



The modular panic hardware system

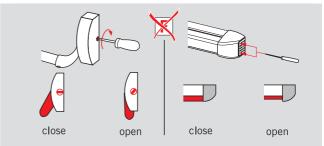


Security anti-thrust latch



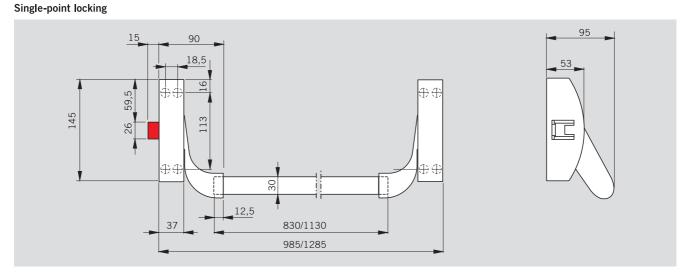
The security anti-thrust latch prevents the latch from being pushed back by unauthorised means when it is in the closed position.

Dogging device

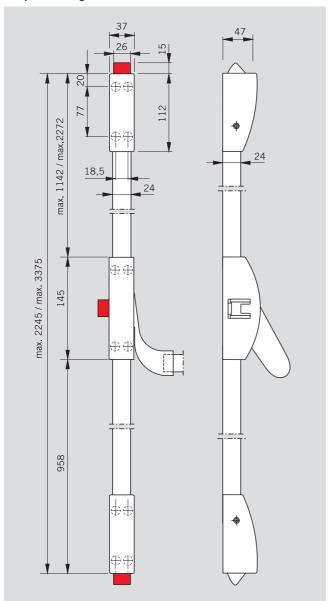


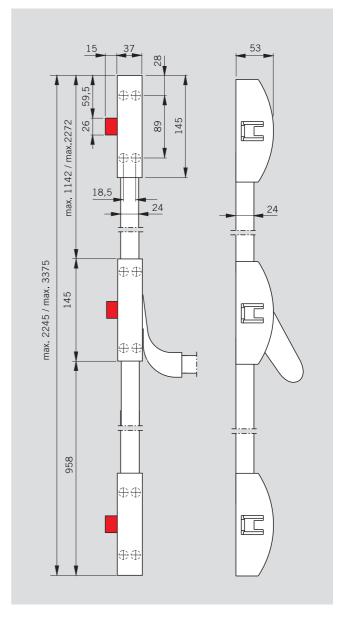
The dogging device serves to hold the latch in its retracted position so the door is freely accessible.

PHA 2000

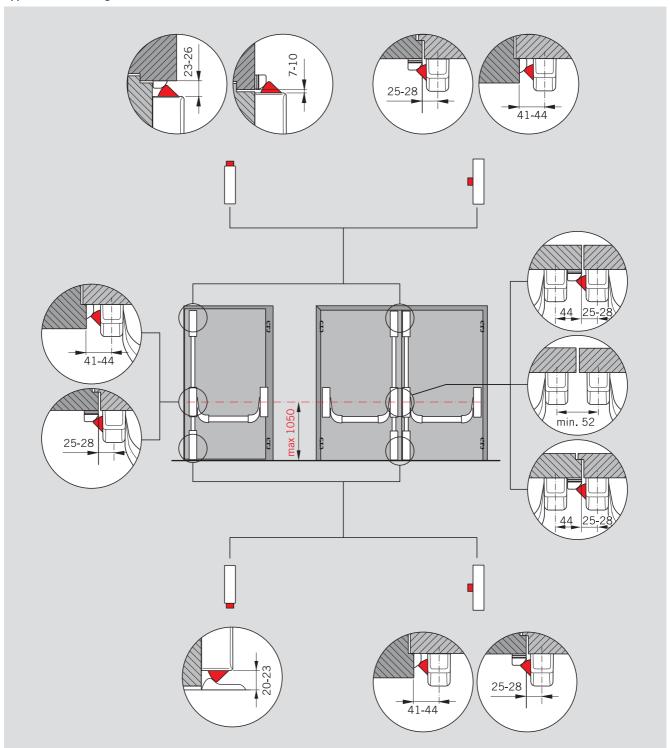


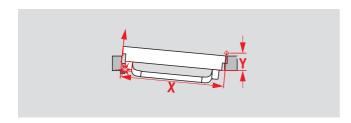
2/3-point locking





Applications and fixing details





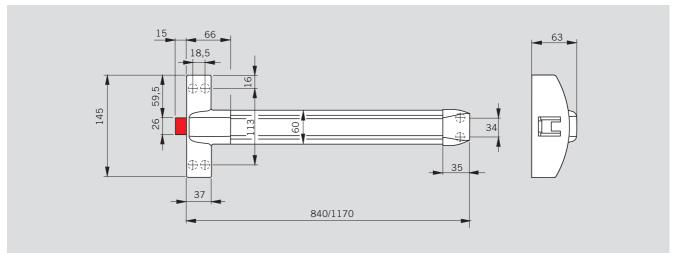
Note

It may be the case that the exit device cannot be installed based on standard measurements where the door situation is extreme, e.g. with a door width X < 1000 mm combined

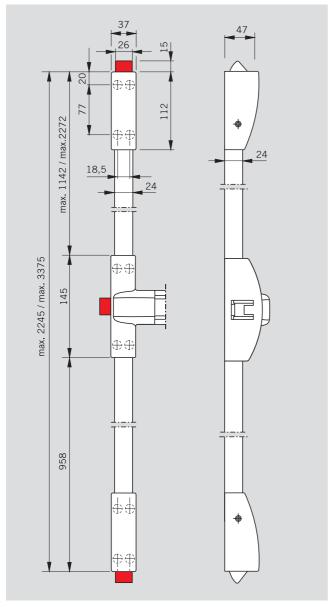
with a hinge offset Y > 90 mm. DORMA will be glad to provide you with installation suggestions on request.

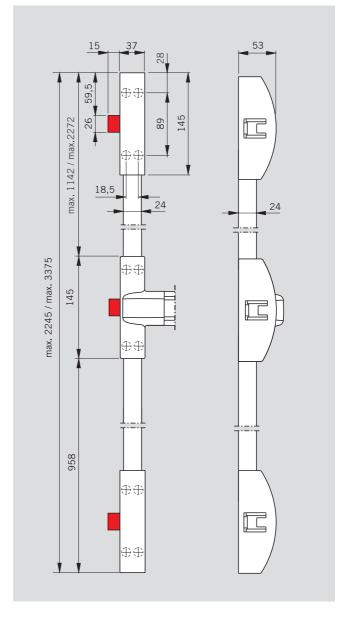
PHB 3000

Single-point locking

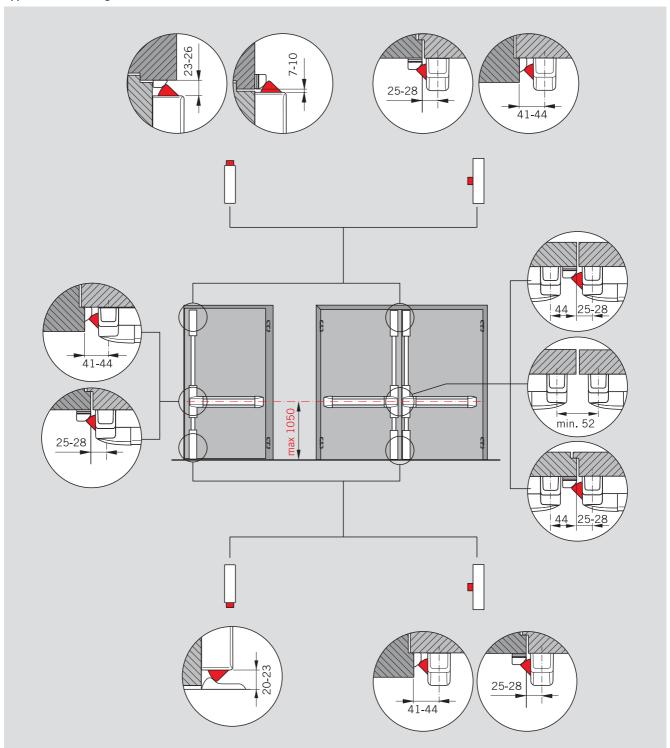


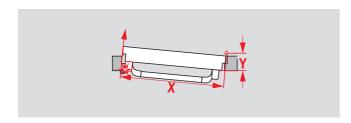
2/3-point locking





Applications and fixing details





Note

It may be the case that the exit device cannot be installed based on standard measurements where the door situation is extreme, e.g. with a door width X < 1000 mm combined

with a hinge offset Y > 90 mm. DORMA will be glad to provide you with installation suggestions on request.

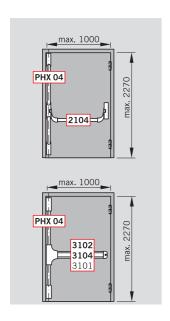
PHA 2000 / PHB 3000

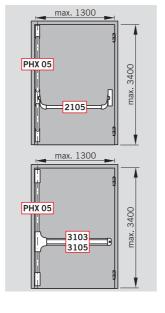
Components on	single-leaf doors
---------------	-------------------

				•			• •	3 3
Standard doors	Modular		2101	•	•	•	•	•
	Standard		2201		0	0		
			2104/05	•	•	•	•	•
	Modular		3102/03	•	•	•	•	•
	Standard	0	3101	0				
			PHX 04/05		•	•	•	•
			PHX 02		•		•	
			PHX 06			•		•
Fire and smoke check doors	Modular		2102	•	•	•	•	•
F	Standard		2201		0	0		
			2104/05	•	•	•	•	•
	Modular		3104/05	•	•	•	•	•
			PHX 04/05		•	•	•	•
			PHX 03		•		•	
			PHX 07			•		•

optional

For external fittings, see page 34



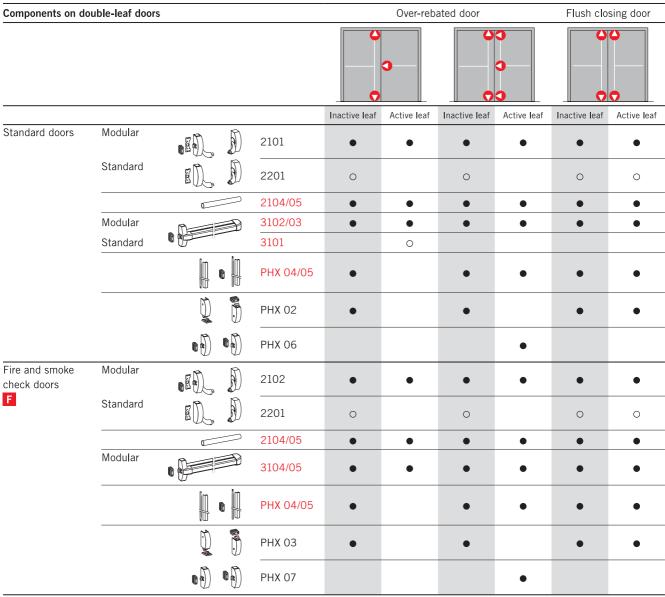


F Approval certification

The panic hardware products of the series PHA 2000/
PHB 3000 in the Contur design marked with the symbol have been approved for use on fire and smoke check doors.

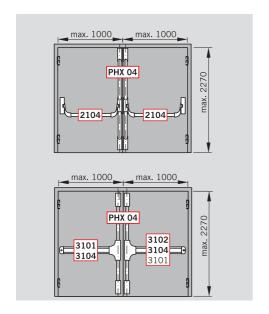
In some countries, approval certification of the fire and smoke check doors to be used is additionally required.

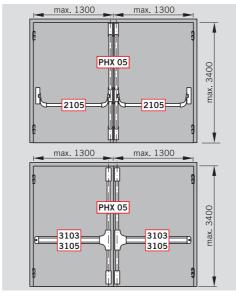
The panic hardware products of the series PHA 2000/ PHB 3000 in the Contur design carry the €€ mark of conformity.



optional

For external fittings, see page 34





Note

According to EN 1125, the effective length of the operating bar has to be at least 60% of the door width. Doors higher than 2500 mm lie outside the scope of EN 1125.

PHA 2000

Specification text Order No. **PHA 2000** Panic exit device tested in accordance with EN 1125, for door widths up to 1300 mm, door heights up to 2270 (in accordance with EN 1125) or 3400 mm; non-handed. Can be unlocked electrically via electric strike. All products of the PHA 2000 series carry the € mark. Single-point locking, modular, for standard doors, without security anti-thrust latch, with dogging device. Zinc die-cast latch, zinc latch keeper with spacer plates, plastic mounting backplate. 35014 21011001 ☐ silver finish □ black 35014 21011002 □ white 35014 21011010 PHA 2102 II Single-point locking, modular, for fire and smoke check doors, with security anti-thrust latch and dogging device. Steel latch, steel latch keeper with spacer plates, plastic mounting backplate. ☐ silver finish 35014 21021001 □ black 35014 21021002 □ white 35014 21021010 ☐ stainless steel finish 35014 21021004 PHA 2201 Two-point locking only, with dogging device. Plastic mounting backplate. ☐ silver finish 35014 22011001 □ black 35014 22011002 □ white 35014 22011010 Connecting rod 830 mm (for door widths up to 1000 mm) ☐ silver finish 35014 21040001 □ red 35014 21040002 □ black 35014 21040019 □ white 35014 21040010 PHA 2105 Connecting rod 1130 mm (for door widths up to 1300 mm) ☐ silver finish 35014 21050001 □ red 35014 21050002 □ black 35014 21050019 □ white 35014 21050010 ☐ stainless steel finish 35014 21050004

See page 30 for accessories such as adjustable keepers, electric strikes or micro switches for signal actuation.

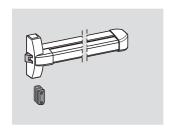
PHB 3000

Specification text Order No.

PHA 3000

Panic exit device tested in accordance with EN 1125, for door widths up to 1300 mm, door heights up to 2270 mm (in accordance with EN 1125) or 3400 mm, non-handed. Can be unlocked electrically via electric strike.

All products of the PHB 3000 series carry the € mark.

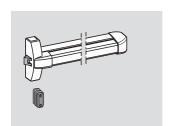


PHB 3101

Single-point locking, standard,

for standard doors with a door width up to 1000 mm, without security anti-thrust latch, with dogging device. Zinc die-cast latch, steel latch keeper with spacer plates.

 \square silver finish 35014 31011001 \square white 35014 31011010

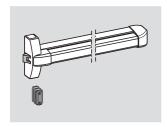


PHB 3102

Single-point locking, modular,

for standard doors with a door width up to 1000 mm, without security anti-thrust latch, with dogging device. Zinc die-cast latch, steel latch keeper with spacer plates.

 \square silver finish 35014 31021001 \square white 35014 31021010

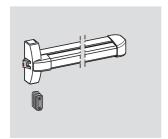


PHB 3103

Single-point locking, modular,

for standard doors with a door width up to 1300 mm, without security anti-thrust latch, with dogging device. Zinc die-cast latch, steel latch keeper with spacer plates.

 \square silver finish 35014 31031001 \square white 35014 31031010

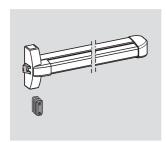


PHA 3104 🖪

Single-point locking, modular,

Steel latch, steel latch keeper with spacer plates.

□ silver finish	35014 31041001
□ white	35014 31041010
☐ stainless steel finish	35014 31041004



PHA 3105 🖪

Single-point locking, modular,

for fire and smoke check doors with a door width up to 1300 mm, with security anti-thrust latch and dogging device.

Steel latch, steel latch keeper with spacer plates.

☐ silver finish	35014 31051001
☐ white	35014 31051010
☐ stainless steel finish	35014 31051004

□ white

☐ stainless steel finish

PHA 2000 / PHB 3000

Specification text Order No. **PHX 02** Top and bottom lock combination, without security anti-thrust latch. Zinc die-cast latch, zinc top latch keeper with spacer plates, steel bottom latch keeper. \square silver finish 35014 22021001 □ black 35014 22021002 □ white 35014 22021010 PHX 03 🖪 Top and bottom lock combination, for fire and smoke check doors, with security anti-thrust latch. Steel latch, steel top latch keeper with spacer plates, steel bottom latch keeper. ☐ silver finish 35014 22031001 □ black 35014 22031002 □ white 35014 22031010 ☐ stainless steel finish 35014 22031004 Top and bottom locking combination with lateral latch, without security anti-thrust latch. Die-cast zinc latch, steel latch keepers with spacer plates. ☐ silver finish 35014 22061001 □ black 35014 22061002 □ white 35014 22061010 PHX 07 🖪 Top and bottom locking combination with lateral latch, for fire and smoke check doors, with security anti-thrust latch. Steel latch, steel latch keepers with spacer plates. \square silver finish 35014 22071001 □ black 35014 22071002

35014 22071010

35014 22071004

Specification text Order No. PHX 04 🖪 Connecting rod set with cover for door heights up to 2270 mm. Steel latch keeper with spacer plates for double doors. \square silver finish 35014 22041001 □ black 35014 22041002 \square white 35014 22041010 $\hfill\Box$ stainless steel finish 35014 22041004 PHX 05 🖪 Connecting rod set with cover for door heights up to 3400 mm. Steel latch keeper with spacer plates for double doors. \square silver finish 35014 22051001 □ black 35014 22051002 □ white 35014 22051010 $\ \square$ stainless steel finish 35014 22051004

EXIT PAD EMERGENCY EXITS PROTECTED IN ACCORDANCE WITH EN 179

The fittings of the Exit Pad series are high-quality emergency exit devices for doors in escape routes and can be combined with the components of the PHA 2000/PHB 3000 series. They are used in buildings with no public pedestrian traffic. It is expected that people using the building are familiar with the exits and their fittings, avoiding the likelihood of a panic situation developing.

All products of the Exit Pad series have been tested to and certified compliant with EN 179. They correspond to the requirements of Annex ZA to EN 179 and can therefore carry the ϵ mark of conformity.

Benefits

For the trade

- All-in-one packaging for easy stocking
- Non-handed
- Universal use of PHT external fittings

For the installer

- Straightforward fixing
- Easy adjustment to different door widths and heights

For the architect/specifier

- High-quality appearance with no visible fixings
- Connecting rods with metal covers
- External fitting with DORMA lever handle or knob

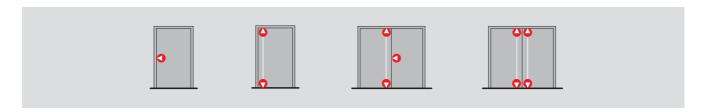
For the user

- Simple operation
- Excellent quality ensures long lifespan

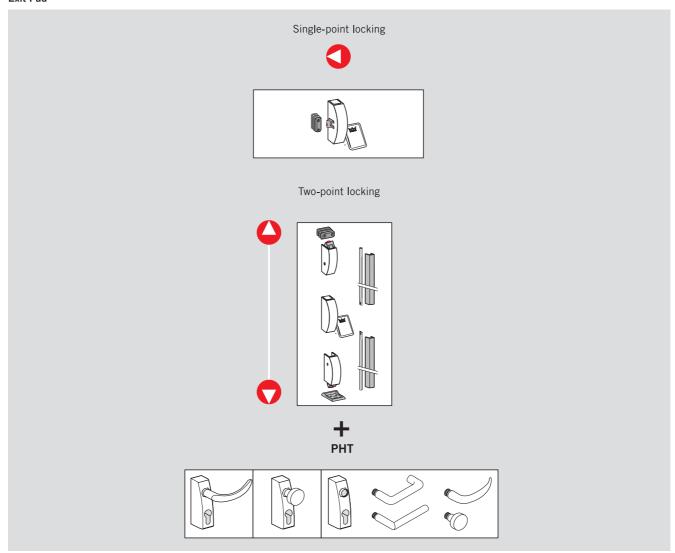
Data and features		Exit Pad1)		
		1-point	2-point	
Standard doors (single-leaf/double-leaf)		•	•	
Fire and smoke check doors (single-leaf/double-leaf)		•	•	
Glass doors		•	•	
Door width	≤ 1300 mm	•	_	
Door height	≤ 2270 mm	_	•	
Max. door leaf weight (in kg)		200	200	
Non-handed		•	•	
Security anti-thrust latch	for standard doors	_	_	
	for fire and smoke check doors	•	•	
Unlocking via electric strike		0	0	
External fittings PHT				
For standard doors and fire and smoke check doors		•	•	
For door leaf thicknesses up to 60 mm				
Extended handle spindle and bolts for door leaf thicknesses of	f 60 – 105 mm	0	0	
Approved to EN 179		•	•	
CE mark for construction products		•	•	

Yes - No ○ Option

¹⁾ To achieve a three-point locking system, the Exit Pad can be used as a modular single-point locking device in combination with the PHX components from the PHA 2000/PHB 3000 series. In conjunction with PHX 05 door height max. 3400 mm (Doors higher than 2500 mm lie outside the scope of EN 179).



Exit Pad



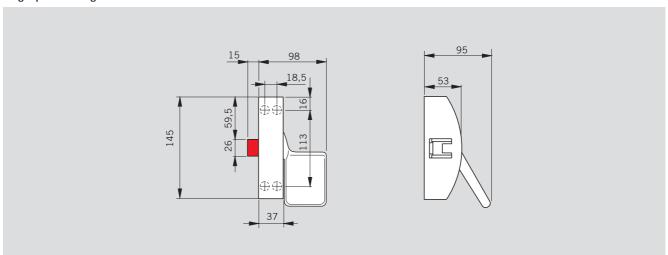
Security anti-thrust latch



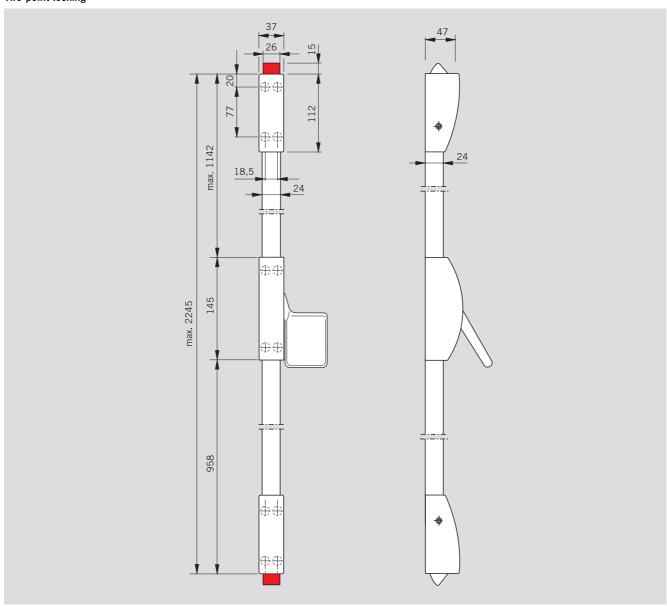
The security anti-thrust latch prevents the latch from being pushed back by unauthorised means when it is in the closed position.

EXIT PAD

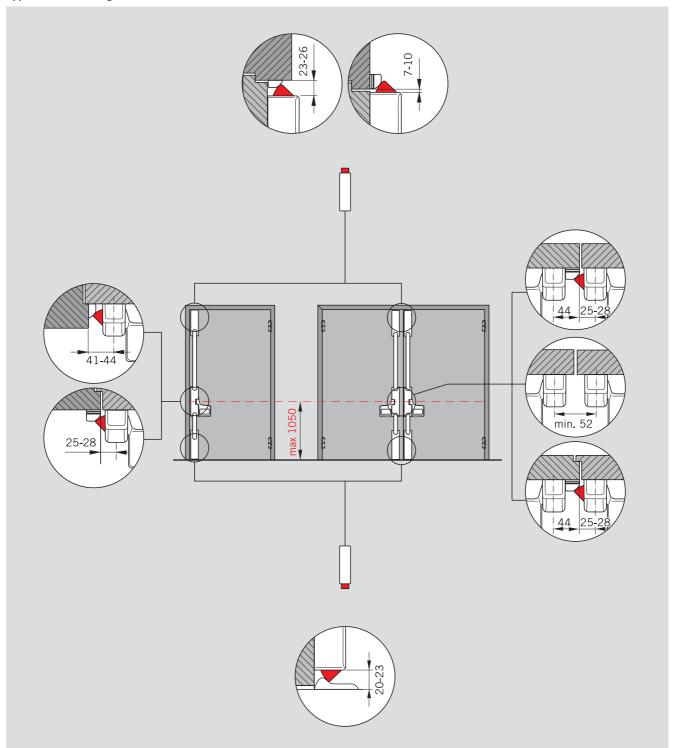
Single-point locking

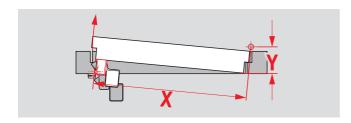


Two-point locking



Applications and fixing details





Note

It may be the case that the exit device cannot be installed based on standard measurements where the door situation is extreme, e.g. with a door width X < 1000 mm combined

with a hinge offset Y > 90 mm. DORMA will be glad to provide you with installation suggestions on request.

EXIT PAD

Specification text Order No.

Exit Pad

Emergency exit device tested and approved to EN 179, non-handed. Can be unlocked electrically via electric strike.

All products of the Exit Pad series carry the $\mathbf{C}\mathbf{C}$ mark of conformity.



Single-point locking, modular, for all standard doors, without security anti-thrust latch. Zinc die-cast latch, zinc latch keeper, with spacer plates, plastic mounting bracket.

☐ silver finish 35014 21111001



Exit Pad F

Single-point locking, modular, for fire and smoke check doors, with security anti-thrust latch.

Steel latch, steel latch keeper with spacer plates, plastic mounting bracket.

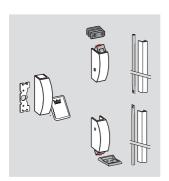
35014 21121001 ☐ silver finish □ white 35014 21121010 $\ \square$ stainless steel finish 35014 21121004



Two-point locking for standard doors, door heights up to 2270 mm, without security anti-thrust latch.

Zinc die-cast latch, zinc latch keeper with spacer plates, plastic mounting bracket.

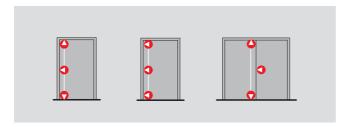
☐ silver finish 35014 22111001



Exit Pad F 2P [

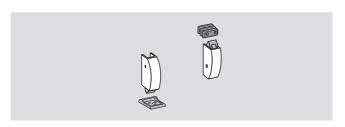
Two-point locking, for fire and smoke check doors, door heights up to 2270 mm, with security anti-thrust latch. Steel latch, steel latch keeper with spacer plates, plastic mounting backplate.

□ silver finish	35014 22121001
□ white	35014 22121010
☐ stainless steel finish	35014 22121004

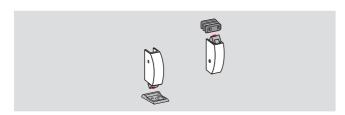


Note

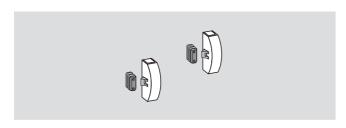
To achieve three-point locking, the modular single-point locking Exit Pad can be used in conjunction with the components of the PHA 2000/ PHB 3000 series.



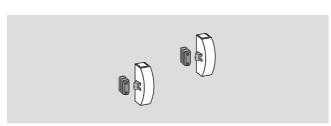
PHX 02



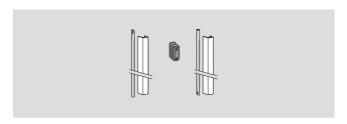
PHX 03



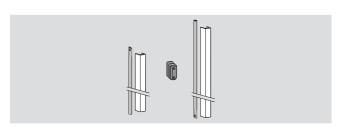
PHX 06



PHX 07



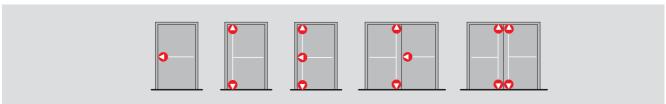
PHX 04

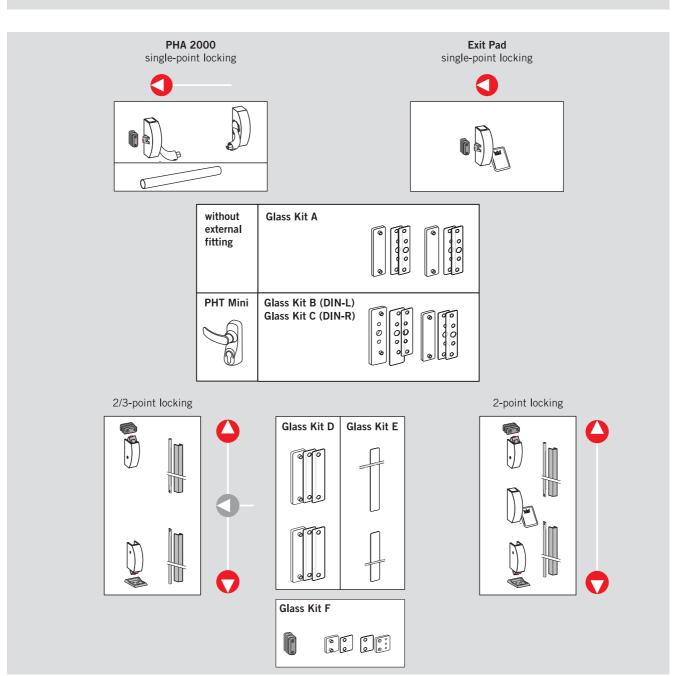


PHX 05

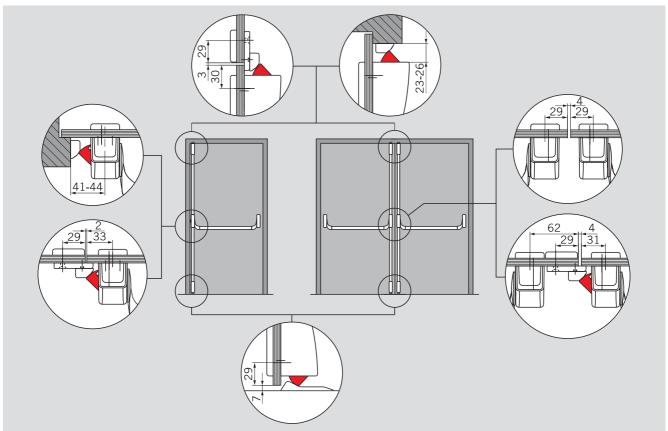
DORMA's PHA 2000 and Exit Pad devices can be fitted to a wide range of toughened glass doors.

- For doors in all glass or framed assemblies.
- For single and double doors.
- Single or multi-point Locking.
- Suitable for combination with external glass door mini-fittings.
- For 8 to 10 mm toughened safety glass (single panel).
- Maximum leaf width: 1,300 mm.
- Maximum leaf height: 2,500 mm.
- Standard stainless steel design.

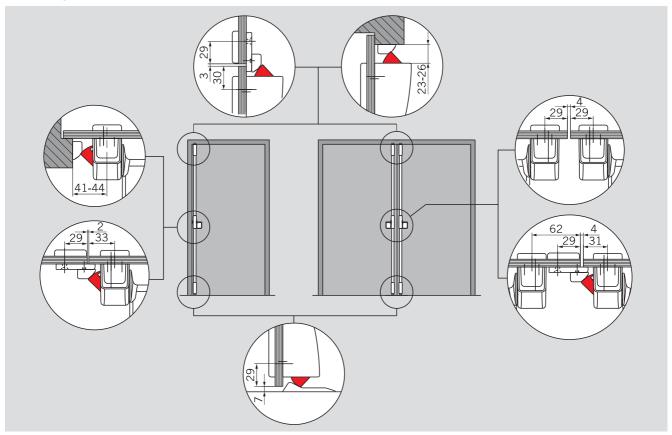




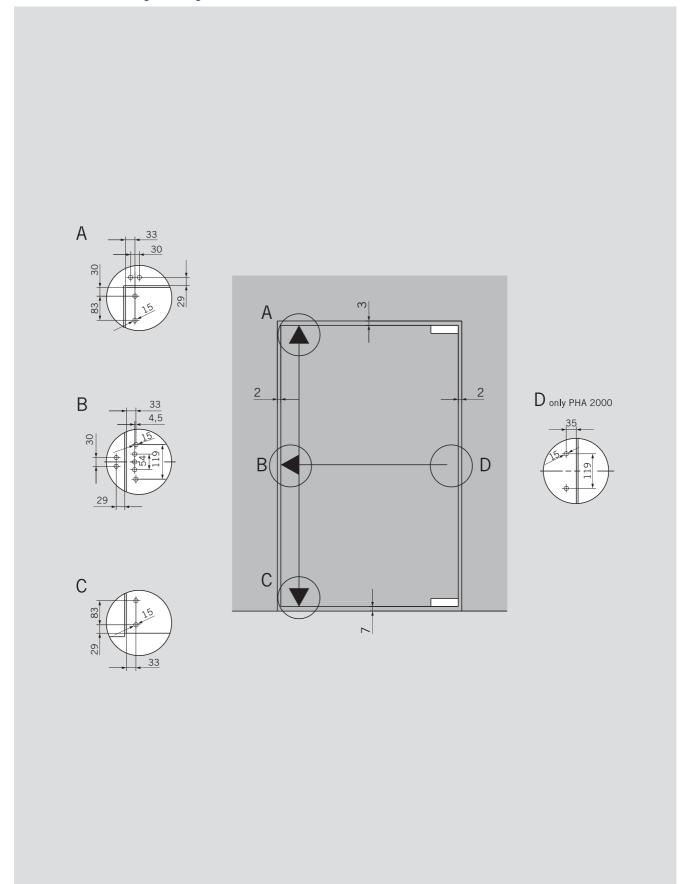
PHA 2000 on glass doors



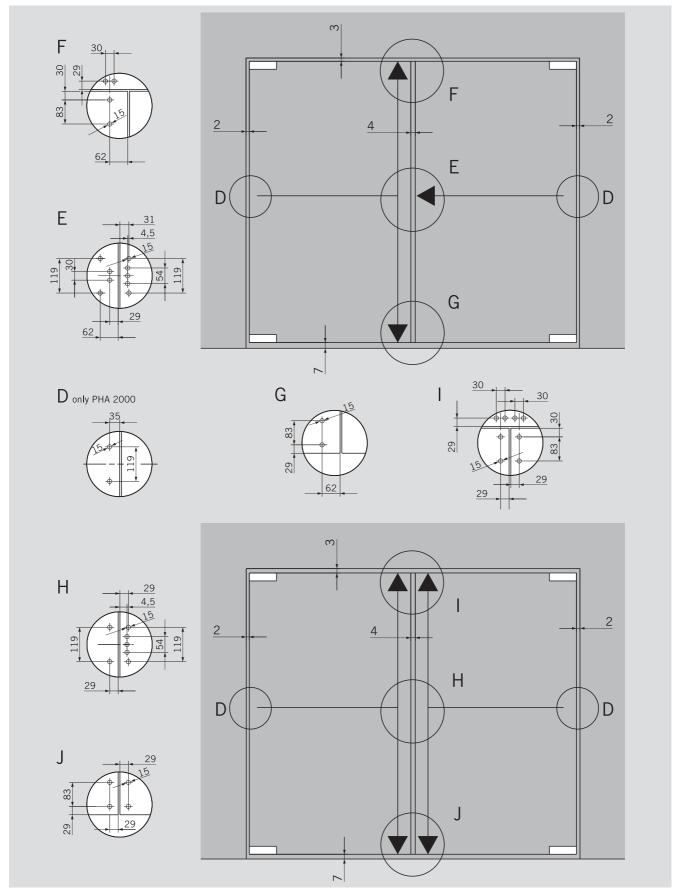
Exit Pad on glass doors



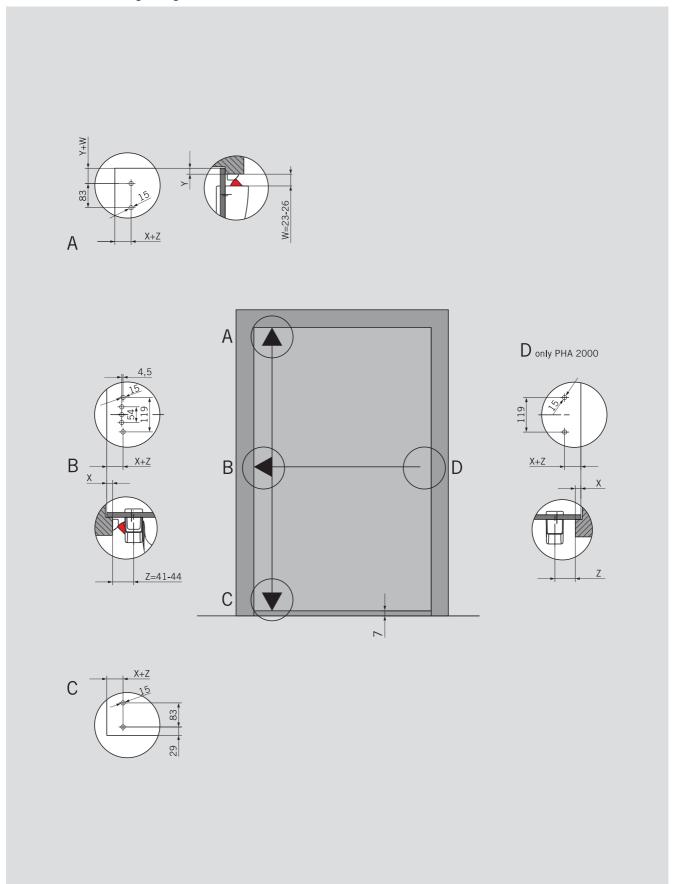
PHA 2000 / Exit Pad on single leaf all glass doors



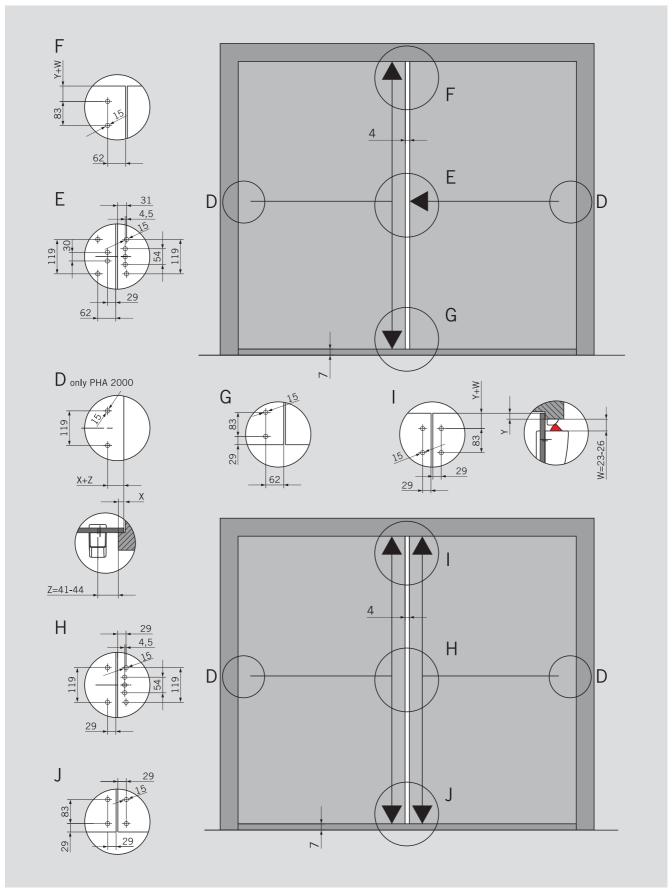
PHA 2000 / Exit Pad on double leaf all glass doors



PHA 2000 / Exit Pad on single leaf glass doors with frame



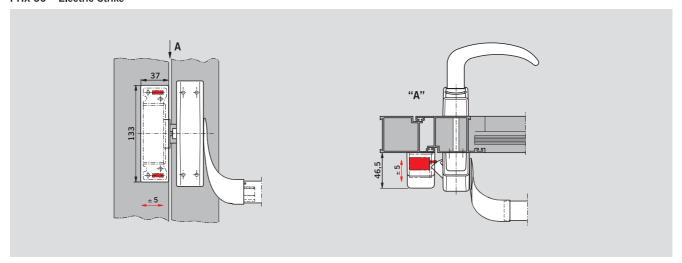
PHA 2000 / Exit Pad on double leaf glass doors with frame



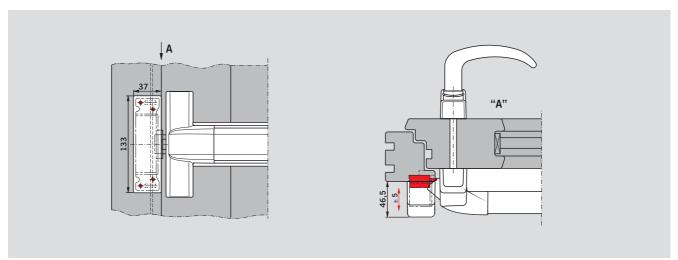
	Specification text	Order No.
9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	PHA Glass Kit A Installation set for PHA 2000, Single-point locking, without external fitting. Stainless steel finish	35014 24011004
	PHA Glass Kit B Installation set for LH (ISO 6), for PHA 2000, Single-point locking, without external fitting. Stainless steel finish	35014 24021004
	PHA Glass Kit C Installation set for RH (ISO 5), for PHA 2000, Single-point locking, without external fitting. Stainless steel finish	35014 24031004
	PHA Glass Kit D Installation set for PHA 2000, Top and bottom locking, vertical. Stainless steel finish	35014 24041004
	PHA Glass Kit E Covering profiles for top and bottom connecting rod. Stainless steel finish	35014 24051004
	PHA Glass Kit F Mounting plate for steel latch keepers, for single and double-leaf doors. Stainless steel finish	35014 24061004
	PHA Glass Kit Mini External fitting Stainless steel finish	35014 24071004

ACCESSORIES

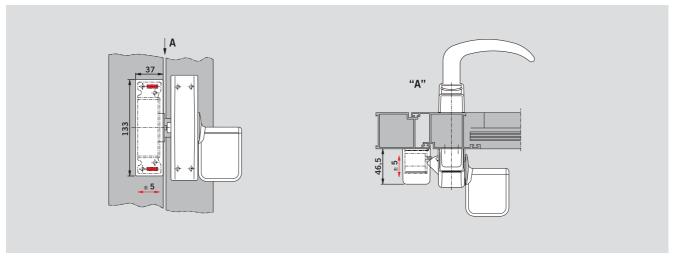
PHX 50 - Electric Strike



Application example for PHX 50 with PHA 2000 in the Contur design on an aluminium framed door

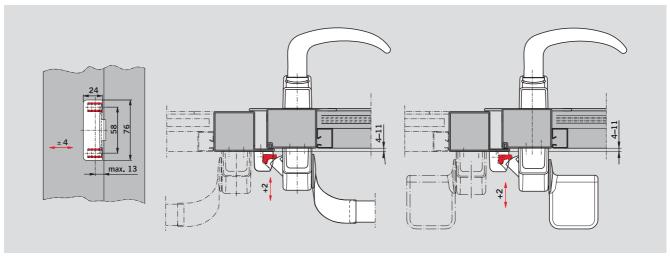


Application example for PHX 50 with PHB 3000 in the Contur design on an aluminium framed door

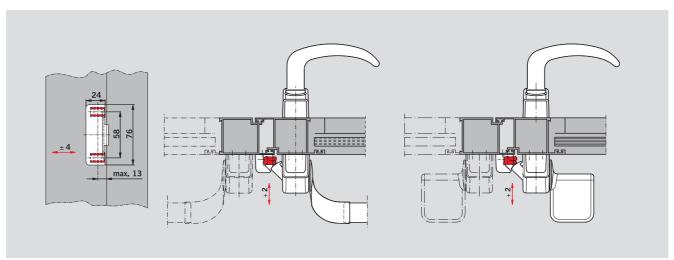


Application example for PHX 50 with Exit Pad in the Contur design on an aluminium framed door

PHX 21 - Adjustable Latch Keeper for Aluminium Narrow-Stile Doors

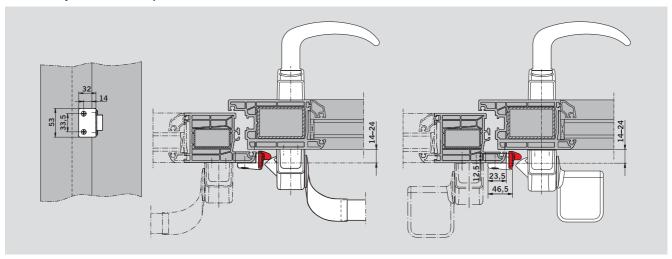


Application example of a PHX 21 on an over-rebated door, universal applicability for single-leaf and double-leaf doors



Application example of a PHX 21 on a door with flush meeting stiles, universal applicability for single-leaf and double-leaf doors

PHX 22 - Adjustable Latch Keeper for PVC Profile Doors



Application example of a PHX 22 on an over-rebated door, universal applicability for single-leaf and double-leaf doors

ACCESSORIES

	Specification text	Order No.
	PHX 50 Electric Strike	
	In combination with PHA/PHB for use on standard doors with a	
\sim	rebate overlap of up to 24 mm.	
	Zinc die-cast latch engaging device.	
	12 V AC, 50 Hz, 15 W	
\ \\		05014 04501001
	□ silver finish	35014 24501001
	□ black	35014 24501002
	☐ white ☐ stainless steel finish	35014 24501010 35014 24501004
	☐ Stalliless steel IIIIsii	33014 24301004
	PHX 21 Adjustable Keeper	
	For standard aluminium narrow-stile doors, single- and double-leaf,	
	flush or over-rebated (0-11 mm)	
	Zinc die-cast latch (in packs of 5)	
		05014 04010101
	☐ silver finish	35014 24210101 35014 24210102
	□ black □ white	35014 24210102
	□ stainless steel finish	35014 24210110
	a statiliess steel lillish	33014 24210104
	PHX 22 Adjustable Keeper	
	For standard PVC profile doors, single and double leaf,	
	over-rebated (14-24 mm)	
	Zinc die-cast latch (in packs of 5)	
	□ silver finish	35014 24220101
	□ black □ white	35014 24220102 35014 24220110
	□ stainless steel finish	35014 24220110
	🗆 Staniess steel iiiisii	00014 24220104
	PHA Microswitch	
n	For actuation of visual or audible signals.	
N E	Contact rating: max. 48 V DC, max. 3 A	35014 25200060
	PHB Microswitch	
	For actuation of visual or audible signals.	25014 25201061
	Contact rating: max. 48 V DC, max. 3 A	35014 35201061

	Specification text	Order No.
	PHX Mounting Backplate Steel, galvanised (in packs of 10)	
63 (C) (C.)	for factory pre-installation to simplify field installation	35014 25200050
	DIIV Mauriting Parkelate	
ିଶି ୦ ଏ ଜୁଣ	PHX Mounting Backplate Steel, galvanised (in packs of 10) for factory pre-installation to simplify field installation	35014 25200051

PHT EXTERNAL FITTING

Specification text Order No. PHT External fitting with lever handle or knob, suitable for use with PHA 2000 and PHB 3000. All PHT external fittings and non-handed and carry the € mark. External fitting with lever handle, for standard doors with a leaf thickness of up to 60 mm, prepared for installation of a Europrofile single cylinder. With lever handle spindle and two cylinder fixing bolts. 35014 39011001 ☐ silver finish 35014 39011002 □ black □ white 35014 39011010 External fitting with lever handle, for standard doors with a leaf thickness up to 60 mm, non-lockable. With lever handle spindle. ☐ silver finish 35014 39031001 □ black 35014 39031002 □ white 35014 39031010 PHT 05 🔟 External fitting with lever handle for fire and smoke check doors with a leaf thickness up to 60 mm. With integrated ring gasket. Prepared for installation of a Europrofile single cylinder. With lever handle spindle and two cylinder fixing bolts. 35014 39051001 ☐ silver finish □ black 35014 39051002 □ white 35014 39051010 ☐ stainless steel finish 35014 39051004 **PHT 06** External fitting with knob, non turnable, for standard doors with a door thickness up to 60 mm, prepared for the installation of a Europrofile single cylinder. With lever handle spindle and two cylinder fixing bolts. ☐ silver finish 35014 39061001 □ black 35014 39061002 □ white 35014 39061010 PHT 07 🖪 External fitting, suitable for combination with lever handles

or knobs for fire and smoke check doors.

☐ silver finish

☐ stainless steel finish

□ black

□ white

With lever handle spindle and two cylinder fixing bolts.

35014 39071001

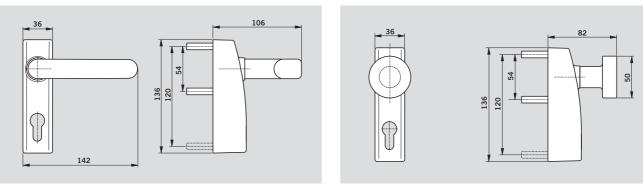
35014 39071002

35014 39071010

35014 39071004

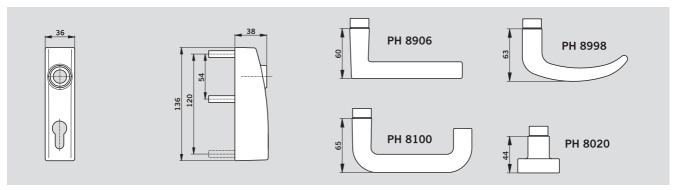
PHT S 05 Extended Spindle 8 mm square, incl. fixing screws for door leaf thicknesses of 60 – 105 mm. Gasket Set For external fitting and PHA / PHB exit devices fixed to fire and smoke check doors. 35014 39200060 TL-Z 03 Single Europrofile cylinder with 3 keys, for PHT 01, 05, 06, 07 35014 56510300

PHT - External Fitting

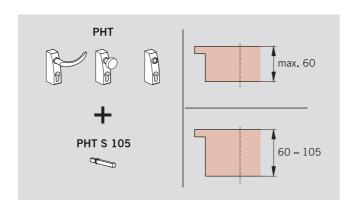


PHT 01, 03, 05 – External fitting with lever handle

PHT 06 - External fitting with knob



PHT 07 - External fitting, modular



F

When using the DORMA PHT external fitting in conjunction with the PHA/PHB panic hardware series or Exit Pad on fire and smoke check doors, it must be ensured that the appropriate set of gaskets is used.

The panic hardware products of the DORMA PHT series carry the **C€** mark of conformity.



DORMA India Private Limited 14 Pattullous Road CHENNAI - 600 002 INDIA Phone +91 44 2855 9192 Fax +91 44 2858 5096

www.dorma.com/in