

# EN 16035 Hardware Performance Sheet (HPS)

## TS 83 EN 3-6

Hardware performance sheet (HPS) – Identification and summary of test evidence to facilitate the interchangeability of building hardware for application to fire resisting and/or smoke control doorsets and/or operable windows.

Test Report no.	Timber doors	Steel/ metal doors	Aluminium profile	Steel profile	Single leaf	Double leaf	Latched	Unlatched	Door opening direction into the oven	Door opening direction outside the oven	Fire resistance EN 1634-1	Smoke control EN 1634-3	Product inside the oven	Product outside the oven	Product concealed	Duration of fire resistance							Durability of selfclosing EN 1191	
																EI 1 or EI 2 insulated doorset E uninsulated doorset								
																EI 1	EI 2	E	≥ 30	≥ 60	≥ 90	≥ 240	Test cycles	
DMT-DO-50-806	x				x		x		x		x		x				x		x					
DMT-DO-50-806	x				x		x			x	x			x			x		x					
DMT-DO-50-582-R1	x				x		x			x	x		x				x		x					
198682		x			x		x		x		x		x					x				x		
157937		x			x		x			x	x		x					x				x		
3391			x		x		x		x		x		x					x			x			
140524	x				x			x		x	x		x				x			x				

# EN 16035 Hardware Performance Sheet (HPS)

TS 83 EN 3-6

**Test report no. DMT-DO-50-806**

## **Building hardware identification**

Manufacturer: dormakaba Deutschland GmbH, DORMA Platz 1, 58256 Ennepetal

Manufacturer's product reference: TS 83 EN 3-6

Type of building hardware: Controlled door closing device surface mounted

EN building hardware product standard(s): EN 1154

Classification(s): 4 | 8 | 3-6 | 1 | 1 | 1 | 3

Main dimensions [mm]: 245x46x60

Remarks: --

## **Test evidence**

Material of door set: timber

Mounting of building hardware: Surface mounted, product inside the oven

Type of door set: single leaf door set

Door opening direction: inside the oven

Isolation: insulated

Door tested: latched

## **Performance level(s)**

Performance: Fire and smoke control door set

Test method: EN 1634-1

Date: 21.07.2020

Test report issued by: DMT Lathen

Classification: EI 2 41 min.

Width of primary leaf: 901mm

Width of secondary leaf: --

Door leaf height: 2031mm

Door thickness: 44mm

Mass of primary leaf: --

Mass of secondary leaf: --

Restrictions: --

Installation Instructions: --

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# EN 16035 Hardware Performance Sheet (HPS)

TS 83 EN 3-6

**Test report no. DMT-DO-50-806**

## **Building hardware identification**

Manufacturer: dormakaba Deutschland GmbH, DORMA Platz 1, 58256 Ennepetal

Manufacturer's product reference: TS 83 EN 3-6

Type of building hardware: Controlled door closing device surface mounted

EN building hardware product standard(s): EN 1154

Classification(s): 4 | 8 | 3-6 | 1 | 1 | 1 | 3

Main dimensions [mm]: 245x46x60

Remarks: --

## **Test evidence**

Material of door set: timber

Mounting of building hardware: Surface mounted, product outside the oven

Type of door set: single leaf door set

Door opening direction: outside the oven

Isolation: insulated

Door tested: latched

## **Performance level(s)**

Performance: Fire and smoke control door set

Test method: EN 1634-1

Date: 21.07.2020

Test report issued by: DMT Lathen

Classification: EI 2 36 min.

Width of primary leaf: 901mm

Width of secondary leaf: --

Door leaf height: 2031mm

Door thickness: 44mm

Mass of primary leaf: --

Mass of secondary leaf: --

Restrictions: --

Installation Instructions: --

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# EN 16035 Hardware Performance Sheet (HPS)

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# EN 16035 Hardware Performance Sheet (HPS)

TS 83 EN 3-6

Test report no. DMT-DO-50-582-R1

## Building hardware identification

Manufacturer: dormakaba Deutschland GmbH, DORMA Platz 1, 58256 Ennepetal

Manufacturer's product reference: TS 83 EN 3-6

Type of building hardware: Controlled door closing device surface mounted

EN building hardware product standard(s): EN 1154

Classification(s): 4 | 8 | 3-6 | 1 | 1 | 1 | 3

Main dimensions [mm]: 245x46x60

Remarks: --

## Test evidence

Material of door set: timber

Mounting of building hardware: Surface mounted, product inside the oven

Type of door set: single leaf door set

Door opening direction: outside the oven

Isolation: insulated

Door tested: latched

## Performance level(s)

Performance: Fire and smoke control door set

Test method: EN 1634-1

Date: 14.05.2019

Test report issued by: DMT Lathen

Classification: EI 2 43 min.

Width of primary leaf: 1015mm

Width of secondary leaf: --

Door leaf height: 2150mm

Door thickness: 44mm

Mass of primary leaf: --

Mass of secondary leaf: --

Restrictions: --

Installation Instructions: --

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# EN 16035 Hardware Performance Sheet (HPS)

TS 83 EN 3-6

**Test report no. 198682**

## **Building hardware identification**

Manufacturer: dormakaba Deutschland GmbH, DORMA Platz 1, 58256 Ennepetal

Manufacturer's product reference: TS 83 EN 3-6

Type of building hardware: Controlled door closing device

EN building hardware product standard(s): EN 1154

Classification(s): 4 | 8 | 3-6 | 1 | 1 | 1 | 3

Main dimensions [mm]: 245x46x60

Remarks: --

## **Test evidence**

Material of door set: steel

Mounting of building hardware: Surface mounted, product inside the oven

Type of door set: Hinged, single leaf door set

Door opening direction: inside the oven

Isolation: uninsulated

Door tested: latched

## **Performance level(s)**

Performance: Fire resisting and smoke control doorset

Test method: EN 1634-1

Date: 19.05.11

Test report issued by: EXOVA Warringtonfire

Classification: E 240min.

Width of primary leaf: 833mm

Width of secondary leaf: --

Door leaf height: 1981mm

Door thickness: 45mm

Mass of primary leaf: --

Mass of secondary leaf: --

Restrictions: --

Installation Instructions: --

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# EN 16035 Hardware Performance Sheet (HPS)

TS 83 EN 3-6

**Test report no. 157937**

## **Building hardware identification**

Manufacturer: dormakaba Deutschland GmbH, DORMA Platz 1, 58256 Ennepetal

Manufacturer's product reference: TS 83 EN 3-6

Type of building hardware: Controlled door closing device

EN building hardware product standard(s): EN 1154

Classification(s): 4 | 8 | 3-6 | 1 | 1 | 1 | 3

Main dimensions [mm]: 245x46x60

Remarks: --

## **Test evidence**

Material of door set: steel

Mounting of building hardware: Surface mounted, product inside the oven

Type of door set: Hinged, single leaf door set

Door opening direction: outside the oven

Isolation: uninsulated

Door tested: latched

## **Performance level(s)**

Performance: Fire resisting and smoke control doorset

Test method: EN 1634-1

Date: 18.12.2006

Test report issued by: Warringtonfire

Classification: E 240min.

Width of primary leaf: 1129mm

Width of secondary leaf: --

Door leaf height: 2350mm

Door thickness: 44mm

Mass of primary leaf: --

Mass of secondary leaf: --

Restrictions: --

Installation Instructions: --

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# EN 16035 Hardware Performance Sheet (HPS)

TS 83 EN 3-6

**Test report no. 3391**

## **Building hardware identification**

Manufacturer: dormakaba Deutschland GmbH, DORMA Platz 1, 58256 Ennepetal

Manufacturer's product reference: TS 83 EN 3-6

Type of building hardware: Controlled door closing device

EN building hardware product standard(s): EN 1154

Classification(s): 4 | 8 | 3-6 | 1 | 1 | 1 | 3

Main dimensions [mm]: 245x46x60

Remarks: --

## **Test evidence**

Material of door set: aluminium profile

Mounting of building hardware: Surface mounted, product inside the oven

Type of door set: Hinged, single leaf door set

Door opening direction: inside the oven

Isolation: uninsulated

Door tested: latched

## **Performance level(s)**

Performance: Fire resisting and smoke control doorset

Test method: EN 1634-1

Date: 27.07.2005

Test report issued by: MPA IBMB

Classification: E 102min.

Width of primary leaf: 1134mm

Width of secondary leaf: --

Door leaf height: 2100mm

Door thickness: 54mm

Mass of primary leaf: 312Kg

Mass of secondary leaf: --

Restrictions: --

Installation Instructions: --

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# EN 16035 Hardware Performance Sheet (HPS)

TS 83 EN 3-6

**Test report no. 140524**

## **Building hardware identification**

Manufacturer: dormakaba Deutschland GmbH, DORMA Platz 1, 58256 Ennepetal

Manufacturer's product reference: TS 83 EN 3-6

Type of building hardware: Controlled door closing device

EN building hardware product standard(s): EN 1154

Classification(s): 4 | 8 | 3-6 | 1 | 1 | 1 | 3

Main dimensions [mm]: 245x46x60

Remarks: --

## **Test evidence**

Material of door set: timber

Mounting of building hardware: Surface mounted, product inside the oven

Type of door set: Hinged, single leaf door set

Door opening direction: outside the oven

Isolation: insulated

Door tested: latched

## **Performance level(s)**

Performance: Fire resisting and smoke control doorset

Test method: EN 1634-1

Date: 02.09.2004

Test report issued by: Warringtonfire

Classification: EI 2 64min.

Width of primary leaf: 926mm

Width of secondary leaf: --

Door leaf height: 2038mm

Door thickness: 52mm

Mass of primary leaf: --Kg

Mass of secondary leaf: --

Restrictions: --

Installation Instructions: --

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