

# EN 16035 Hardware Performance Sheet (HPS)

TS 71 EN 3/4

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	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				Test cycles			
														I1	I2	≥ 30	≥ 60	≥ 90	≥ 30	≥ 60	≥ 90			≥ 240		
134657		x			x		x		x		x															
118662	x				x			x				x			x											
117198	x				x		x		x			x			x											

# EN 16035 Hardware Performance Sheet (HPS)

TS 71 EN 3/4

**Test report no. 134657, EN 1634-1, steel, single leaf, uninsulated, latched**

## **Building hardware identification**

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

Manufacturer's product reference: TS 71 EN 3/4

Type of building hardware: Controlled door closing device

EN building hardware product standard(s): EN 1154

Classification(s): 4 | 8 | 3/4 | 1 | 1 | 1 | 2

Main dimensions [mm]: 232x45x68

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

## **Performance level(s)**

Performance: Fire resisting and smoke control doorset

Test method: EN 1634-1

Date: 22.09.2003

Test report issued by: Warrington

Classification: E 240min.

Width of primary leaf: 924mm

Width of secondary leaf: --

Door leaf height: 2038mm

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 71 EN 3/4

**Test report no. 118662, EN 1634-1, timber, single leaf, insulated, unlatched,**

## **Building hardware identification**

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

Manufacturer's product reference: TS 71 EN 3/4

Type of building hardware: Controlled door closing device

EN building hardware product standard(s): EN 1154

Classification(s): 4 | 8 | 3/4 | 1 | 1 | 1 | 2

Main dimensions [mm]: 232x45x68

Remarks: --

## **Test evidence**

Material of door set: timber

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

Type of door set: Hinged, single leaf door set

## **Performance level(s)**

Performance: Fire resisting and smoke control doorset

Test method: EN 1634-1

Date: 14.06.2001

Test report issued by: Warrington Fire Research

Classification: EI 1 30 min.

Width of primary leaf: 760mm

Width of secondary leaf: --

Door leaf height: 1981mm

Door thickness: 38mm

Mass of primary leaf: --

Mass of secondary leaf: --

Restrictions: --

Installation Instructions: --

# EN 16035 Hardware Performance Sheet (HPS)

TS 71 EN 3/4

**Test report no. 117198, EN 1634-1, timber, single leaf, insulated, latched**

## **Building hardware identification**

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

Manufacturer's product reference: TS 71 EN 3/4

Type of building hardware: Controlled door closing device

EN building hardware product standard(s): EN 1154

Classification(s): 4 | 8 | 3/4 | 1 | 1 | 1 | 2

Main dimensions [mm]: 232x45x68

Remarks: --

## **Test evidence**

Material of door set: timber

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

Type of door set: Hinged, single leaf door set

## **Performance level(s)**

Performance: Fire resisting and smoke control doorset

Test method: EN 1634-1

Date: 02.04.2001

Test report issued by: Warrington Fire Research

Classification: EI 1 29min.

Width of primary leaf: 839mm

Width of secondary leaf: --

Door leaf height: 1981mm

Door thickness: 38mm

Mass of primary leaf: --

Mass of secondary leaf: --

Restrictions: --

Installation Instructions: --