

EN 16035 Hardware Performance Sheet (HPS)

ITS 96 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	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			
379042	x				x		x		x				x												
5P09529-1		x			x		x		x				x												
5P09529-1		x			x		x		x				x												
IT 13-175	x				x		x		x				x												
134657		x			x		x		x				x												
11641	x				x		x		x				x												
11640	x				x		x		x				x												
DMT-DO-51-204	x					x	x						x												100 000

EN 16035 Hardware Performance Sheet (HPS)

ITS 96 EN 3-6

Test report no. 379042

Building hardware identification

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

Manufacturer's product reference: ITS 96 EN 3-6

Type of building hardware: Controlled door closing device

EN building hardware product standard(s): EN 1154

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

Main dimensions [mm]: 291x39,5x51

Remarks: --

Test evidence

Material of door set: timber

Mounting of building hardware: product concealed

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: 29.06.2017

Test report issued by: Warrington Fire Research

Classification: EI 2 63min.

Width of primary leaf: 932mm

Width of secondary leaf: --

Door leaf height: 2038mm

Door thickness: 54mm

Mass of primary leaf: --

Mass of secondary leaf: --

Restrictions: --

Installation Instructions: --

EN 16035 Hardware Performance Sheet (HPS)

ITS 96 EN 3-6

Test report no. 5P09529-1

Building hardware identification

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

Manufacturer's product reference: ITS 96 EN 3-6

Type of building hardware: Controlled door closing device

EN building hardware product standard(s): EN 1154

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

Main dimensions [mm]: 291x39,5x51

Remarks: --

Test evidence

Material of door set: steel

Mounting of building hardware: product concealed

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: 24.02.2016

Test report issued by: SP Sveriges Tekniska Forskningsinstitut AB

Classification: E 68min.

Width of primary leaf: 1010mm

Width of secondary leaf: --

Door leaf height: 2145mm

Door thickness: 50mm

Mass of primary leaf: --

Mass of secondary leaf: --

Restrictions: --

Installation Instructions: --

EN 16035 Hardware Performance Sheet (HPS)

ITS 96 EN 3-6

Test report no. 5P09529-1

Building hardware identification

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

Manufacturer's product reference: ITS 96 EN 3-6

Type of building hardware: Controlled door closing device

EN building hardware product standard(s): EN 1154

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

Main dimensions [mm]: 291x39,5x51

Remarks: --

Test evidence

Material of door set: steel

Mounting of building hardware: product concealed

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: 24.02.2016

Test report issued by: SP Sveriges Tekniska Forskningsinstitut AB

Classification: E 68min.

Width of primary leaf: 1010mm

Width of secondary leaf: --

Door leaf height: 2145mm

Door thickness: 50mm

Mass of primary leaf: --

Mass of secondary leaf: --

Restrictions: --

Installation Instructions: --

EN 16035 Hardware Performance Sheet (HPS)

ITS 96 EN 3-6

Test report no. IT 13-175

Building hardware identification

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

Manufacturer's product reference: ITS 96 EN 3-6

Type of building hardware: Controlled door closing device

EN building hardware product standard(s): EN 1154

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

Main dimensions [mm]: 291x39,5x51

Remarks: --

Test evidence

Material of door set: timber

Mounting of building hardware: product concealed

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: 18.02.2015

Test report issued by: Forte Testing and Consultants Company Limited

Classification: EI 1 68min.

Width of primary leaf: 850mm

Width of secondary leaf: --

Door leaf height: 2100mm

Door thickness: 47mm

Mass of primary leaf: --

Mass of secondary leaf: --

Restrictions: --

Installation Instructions: --

EN 16035 Hardware Performance Sheet (HPS)

ITS 96 EN 3-6

Test report no. 134657

Building hardware identification

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

Manufacturer's product reference: ITS 96 EN 3-6

Type of building hardware: Controlled door closing device

EN building hardware product standard(s): EN 1154

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

Main dimensions [mm]: 291x39,5x51

Remarks: --

Test evidence

Material of door set: steel

Mounting of building hardware: product concealed

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: Warringtonfire

Classification: E 240min.

Width of primary leaf: 1074mm

Width of secondary leaf: --

Door leaf height: 2038mm

Door thickness: 45mm

Mass of primary leaf: --

Mass of secondary leaf: --

Restrictions: --

Installation Instructions: --

EN 16035 Hardware Performance Sheet (HPS)

ITS 96 EN 3-6

Test report no. 11641

Building hardware identification

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

Manufacturer's product reference: ITS 96 EN 3-6

Type of building hardware: Controlled door closing device

EN building hardware product standard(s): EN 1154

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

Main dimensions [mm]: 291x39,5x51

Remarks: --

Test evidence

Material of door set: timber

Mounting of building hardware: product concealed

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: 16.02.1995

Test report issued by: Warringtonfire

Classification: EI 2 61min.

Width of primary leaf: 915mm

Width of secondary leaf: --mm

Door leaf height: 2040mm

Door thickness: 54mm

Mass of primary leaf: --

Mass of secondary leaf: --

Restrictions: --

Installation Instructions: --

EN 16035 Hardware Performance Sheet (HPS)

ITS 96 EN 3-6

Test report no. 11640

Building hardware identification

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

Manufacturer's product reference: ITS 96 EN 3-6

Type of building hardware: Controlled door closing device

EN building hardware product standard(s): EN 1154

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

Main dimensions [mm]: 291x39,5x51

Remarks: --

Test evidence

Material of door set: timber

Mounting of building hardware: product concealed

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: 06.01.1995

Test report issued by: Warringtonfire

Classification: EI 2 37min.

Width of primary leaf: 916mm

Width of secondary leaf: --mm

Door leaf height: 2040mm

Door thickness: 43mm

Mass of primary leaf: --

Mass of secondary leaf: --

Restrictions: --

Installation Instructions: --

EN 16035 Hardware Performance Sheet (HPS)

ITS 96 EN 3-6

Test report no. DMT-DO-51-204

Building hardware identification

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

Manufacturer's product reference: ITS 96 EN 3-6

Type of building hardware: Controlled door closing device

EN building hardware product standard(s): EN 1154

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

Main dimensions [mm]: 291x39,5x51

Remarks: --

Test evidence

Material of door set: timber

Mounting of building hardware: product concealed

Type of door set: Hinged, double leaf door set

Performance level(s)

Performance: Durability of selfclosing

Test method: EN 1191

Date: 22.11.2018

Test report issued by: DMT Lathen

Classification: 100 000 cycles

Width of primary leaf: 1300mm

Width of secondary leaf: 1300mm

Door leaf height: 2650mm

Door thickness: 105mm

Mass of primary leaf: 282,5kg

Mass of secondary leaf: 207,0kg

Restrictions: --

Installation Instructions: --