

EN 16035 Hardware Performance Sheet (HPS)

11.02.2022

Product family: TS 93 EN 2-5, TS 93 Basic EN 2-5, TS 93 2S EN 2-5,
TS 93 EN 1-5

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 openable windows.

Extended application of test results	EN 15269-20				Steel doorsets	Timber doorsets	Aluminium framed glazed doorsets	Steel framed glazed doorsets	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
	EN 15269-2	EN 15269-3	EN 15269-5	EN 15269-5																EI 1	EI 2	E	≥ 30	≥ 60	≥ 90	≥ 240	
Test Report no.	Steel doorsets	Timber doorsets	Aluminium framed glazed doorsets	Steel framed glazed doorsets	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	EI 1	EI 2	E	≥ 30	≥ 60	≥ 90	≥ 240	Test cycles				
DMT-DO-50-337	x				x		x			x	x		x				x			x							
DMT-DO-50-337	x				x		x		x		x		x				x					x					
DMT-DO-50-233		x			x		x		x		x		x				x					x					
DMT-DO-50-233		x			x		x		x		x		x				x					x					
DMT-DO-50-095-002		x			x		x		x		x		x				x			x							
DMT-DO-50-095-002		x			x		x		x		x		x				x			x							
9012539 000/RE/EI	x					x	x				x		x				x			x							
210004984-1			x		x		x		x		x		x				x					x					
26531033			x		x		x		x		x		x				x					x					
151816		x			x		x		x		x		x				x			x							
251 31090/12	x				x		x																	1 000 000			

Hardware_Performances_Sheet_Vorlage.docx; Version: 16.11.2020

HPS_0001_TS_93_EN_2-5_EN

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EN 16035 Hardware Performance Sheet (HPS)

11.02.2022

Product family: TS 93 EN 2-5, TS 93 Basic EN 2-5, TS 93 2S EN 2-5,
TS 93 EN 1-5

Test report no. DMT-DO-50-337

Building hardware identification

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

Manufacturer's product reference: TS 93 B EN 2-5

Type of building hardware: Controlled door closing device

EN building hardware product standard(s): EN 1154

Classification(s): 4 | 8 | 2-5 | 1 | 1 | 1 | 4

Main dimensions [mm]: 275x53x60

Remarks: --

Test evidence

Material of door set: steel

Mounting of building hardware: Surface mounted, product outside 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: 11.11.2016

Test report issued by: DMT

Classification: EI 2 72min.

Width of primary leaf: 1250mm

Width of secondary leaf: --

Door leaf height: 2212mm

Door thickness: 70mm

Mass of primary leaf: 250Kg

Mass of secondary leaf: --

Restrictions: --

Installation Instructions: --

HPS_0001_TS_93_EN_2-5_EN

EN 16035 Hardware Performance Sheet (HPS)

11.02.2022

Product family: TS 93 EN 2-5, TS 93 Basic EN 2-5, TS 93 2S EN 2-5,
TS 93 EN 1-5

Test report no. DMT-DO-50-337

Building hardware identification

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

Manufacturer's product reference: TS 93 B EN 2-5

Type of building hardware: Controlled door closing device

EN building hardware product standard(s): EN 1154

Classification(s): 4 | 8 | 2-5 | 1 | 1 | 1 | 4

Main dimensions [mm]: 275x53x60

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: into the oven

Isolation: insulated

Door tested: latched

Performance level(s)

Performance: Fire resisting and smoke control doorset

Test method: EN 1634-1

Date: 11.11.2016

Test report issued by: DMT

Classification: EI 2 96min.

Width of primary leaf: 1250mm

Width of secondary leaf: --

Door leaf height: 2212mm

Door thickness: 70mm

Mass of primary leaf: 250Kg

Mass of secondary leaf: --

Restrictions: --

Installation Instructions: --

HPS_0001_TS_93_EN_2-5_EN

EN 16035 Hardware Performance Sheet (HPS)

11.02.2022

Product family: TS 93 EN 2-5, TS 93 Basic EN 2-5, TS 93 2S EN 2-5,
TS 93 EN 1-5

Test report no. DMT-DO-50-233

Building hardware identification

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

Manufacturer's product reference: TS 93 B EN 2-5

Type of building hardware: Controlled door closing device

EN building hardware product standard(s): EN 1154

Classification(s): 4 | 8 | 2-5 | 1 | 1 | 1 | 4

Main dimensions [mm]: 275x53x60

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

Door opening direction: into the oven

Isolation: insulated

Door tested: latched

Performance level(s)

Performance: Fire resisting and smoke control doorset

Test method: EN 1634-1

Date: 30.07.2015

Test report issued by: DMT

Classification: EI 2 113min.

Width of primary leaf: 1250mm

Width of secondary leaf: --

Door leaf height: 2485mm

Door thickness: 65mm

Mass of primary leaf: 101Kg

Mass of secondary leaf: --

Restrictions: --

Installation Instructions: --

HPS_0001_TS_93_EN_2-5_EN

EN 16035 Hardware Performance Sheet (HPS)

11.02.2022

Product family: TS 93 EN 2-5, TS 93 Basic EN 2-5, TS 93 2S EN 2-5,
TS 93 EN 1-5

Test report no. DMT-DO-50-233

Building hardware identification

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

Manufacturer's product reference: TS 93 G EN 2-5

Type of building hardware: Controlled door closing device

EN building hardware product standard(s): EN 1154

Classification(s): 4 | 8 | 2-5 | 1 | 1 | 1 | 4

Main dimensions [mm]: 275x53x60

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

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: 30.07.2015

Test report issued by: DMT Lathen

Classification: EI 2 110min.

Width of primary leaf: 1250mm

Width of secondary leaf: --

Door leaf height: 2485mm

Door thickness: 64,6mm

Mass of primary leaf: 101Kg

Mass of secondary leaf: --

Restrictions: --

Installation Instructions: --

HPS_0001_TS_93_EN_2-5_EN

EN 16035 Hardware Performance Sheet (HPS)

11.02.2022

Product family: TS 93 EN 2-5, TS 93 Basic EN 2-5, TS 93 2S EN 2-5,
TS 93 EN 1-5

Test report no. DMT-DO-50-095-002

Building hardware identification

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

Manufacturer's product reference: TS 93 B EN 2-5

Type of building hardware: Controlled door closing device

EN building hardware product standard(s): EN 1154

Classification(s): 4 | 8 | 2-5 | 1 | 1 | 1 | 4

Main dimensions [mm]: 275x53x60

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: into the oven

Isolation: insulated

Door tested: latched

Performance level(s)

Performance: Fire resisting and smoke control doorset

Test method: EN 1634-1

Date: 22.08.2013

Test report issued by: DMT

Classification: EI 2 40 min.

Width of primary leaf: 959mm

Width of secondary leaf: --

Door leaf height: 2097mm

Door thickness: 50mm

Mass of primary leaf: 62Kg

Mass of secondary leaf: --

Restrictions: --

Installation Instructions: --

HPS_0001_TS_93_EN_2-5_EN

EN 16035 Hardware Performance Sheet (HPS)

11.02.2022

Product family: TS 93 EN 2-5, TS 93 Basic EN 2-5, TS 93 2S EN 2-5,
TS 93 EN 1-5

Test report no. DMT-DO-50-095-002

Building hardware identification

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

Manufacturer's product reference: TS 93 B EN 2-5

Type of building hardware: Controlled door closing device

EN building hardware product standard(s): EN 1154

Classification(s): 4 | 8 | 2-5 | 1 | 1 | 1 | 4

Main dimensions [mm]: 275x53x60

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

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: 22.08.2013

Test report issued by: DMT

Classification: EI 2 37 min.

Width of primary leaf: 959mm

Width of secondary leaf: --

Door leaf height: 2097mm

Door thickness: 50mm

Mass of primary leaf: 62Kg

Mass of secondary leaf: --

Restrictions: --

Installation Instructions: --

HPS_0001_TS_93_EN_2-5_EN

EN 16035 Hardware Performance Sheet (HPS)

11.02.2022

Product family: TS 93 EN 2-5, TS 93 Basic EN 2-5, TS 93 2S EN 2-5,
TS 93 EN 1-5

Test report no. 9012539 000/RE/EI

Building hardware identification

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

Manufacturer's product reference: TS 93 G EN 2-5

Type of building hardware: Controlled door closing device

EN building hardware product standard(s): EN 1154

Classification(s): 4 | 8 | 2-5 | 1 | 1 | 1 | 4

Main dimensions [mm]: 275x53x60

Remarks: --

Test evidence

Material of door set: steel

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

Type of door set: Hinged, double leaf door set

Door opening direction: --

Isolation: insulated

Door tested: latched

Performance level(s)

Performance: Fire resisting and smoke control doorset

Test method: EN 1634-1

Date: 21.11.2007

Test report issued by: DMT Lathen

Classification: EI 2 30 min.

Width of primary leaf: --

Width of secondary leaf: --

Door leaf height: --

Door thickness: --

Mass of primary leaf: --

Mass of secondary leaf: --

Restrictions: --

HPS_0001_TS_93_EN_2-5_EN

EN 16035 Hardware Performance Sheet (HPS)

11.02.2022

Product family: TS 93 EN 2-5, TS 93 Basic EN 2-5, TS 93 2S EN 2-5,
TS 93 EN 1-5

Test report no. 210004984-1

Building hardware identification

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

Manufacturer's product reference: TS 93 B EN 2-5

Type of building hardware: Controlled door closing device

EN building hardware product standard(s): EN 1154

Classification(s): 4 | 8 | 2-5 | 1 | 1 | 1 | 4

Main dimensions [mm]: 275x53x60

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: into the oven

Isolation: insulated

Door tested: latched

Performance level(s)

Performance: Fire resisting and smoke control doorset

Test method: EN 1634-1

Date: 19.04.2007

Test report issued by: MPA NRW

Classification: EI 2 90 min.

Width of primary leaf: 980mm

Width of secondary leaf: --

Door leaf height: 1990mm

Door thickness: 105mm

Mass of primary leaf: 119Kg

Mass of secondary leaf: --

Restrictions: --

Installation Instructions: --

HPS_0001_TS_93_EN_2-5_EN

EN 16035 Hardware Performance Sheet (HPS)

11.02.2022

Product family: TS 93 EN 2-5, TS 93 Basic EN 2-5, TS 93 2S EN 2-5,
TS 93 EN 1-5

Test report no. 26531033

Building hardware identification

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

Manufacturer's product reference: TS 93 B EN 2-5

Type of building hardware: Controlled door closing device

EN building hardware product standard(s): EN 1154

Classification(s): 4 | 8 | 2-5 | 1 | 1 | 1 | 4

Main dimensions [mm]: 275x53x60

Remarks: --

Test evidence

Material of door set: aluminium profile

Mounting of building hardware: Surface mounted, product outside 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: 31.03.2006

Test report issued by: ift Rosenheim

Classification: EI 2 90 min.

Width of primary leaf: --

Width of secondary leaf: --

Door leaf height: --

Door thickness: --

Mass of primary leaf: --

Mass of secondary leaf: --

Restrictions: --

Installation Instructions: --

HPS_0001_TS_93_EN_2-5_EN

EN 16035 Hardware Performance Sheet (HPS)

11.02.2022

Product family: TS 93 EN 2-5, TS 93 Basic EN 2-5, TS 93 2S EN 2-5,
TS 93 EN 1-5

Test report no. 151816

Building hardware identification

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

Manufacturer's product reference: TS 93 B EN 2-5

Type of building hardware: Controlled door closing device

EN building hardware product standard(s): EN 1154

Classification(s): 4 | 8 | 2-5 | 1 | 1 | 1 | 4

Main dimensions [mm]: 275x53x60

Remarks: --

Test evidence

Material of door set: timber

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

Type of door set: Hinged, double 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: 26.07.2006

Test report issued by: Warringtonfire

Classification: EI 2 58 min.

Width of primary leaf: 928mm

Width of secondary leaf: --

Door leaf height: 2036mm

Door thickness: 54mm

Mass of primary leaf: --

Mass of secondary leaf: --

Restrictions: --

Installation Instructions: --

HPS_0001_TS_93_EN_2-5_EN

EN 16035 Hardware Performance Sheet (HPS)

11.02.2022

Product family: TS 93 EN 2-5, TS 93 Basic EN 2-5, TS 93 2S EN 2-5,
TS 93 EN 1-5

Test report no. 251 31090/12

Building hardware identification

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

Manufacturer's product reference: TS 93 B EN 2-5

Type of building hardware: Controlled door closing device

EN building hardware product standard(s): EN 1154

Classification(s): 4 | 8 | 2-5 | 1 | 1 | 1 | 4

Main dimensions [mm]: 275x53x60

Remarks: --

Test evidence

Material of door set: steel

Mounting of building hardware: Surface mounted,

Type of door set: Hinged, single leaf door set

Door tested: latched

Performance level(s)

Performance: Durability of selfclosing

Test method: EN 1191

Date: 01.12.2006

Test report issued by: ift Rosenheim

Classification: 1 000 000 test cycles

Width of primary leaf: 1120mm

Width of secondary leaf: --

Door leaf height: 2235mm

Door thickness: 55mm

Mass of primary leaf: 112Kg

Mass of secondary leaf: --

Restrictions: --

Installation Instructions: --

HPS_0001_TS_93_EN_2-5_EN