

HARDWARE PERFORMANCE SHEET

GEZE ISM guide rail



Hardware Performance Sheet (HPS)

according to DIN EN 16035:2013-03 "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."



Product reference: **ISM guide rail**
(ISM, ISM BG, E-ISM, E-ISM BG, R-ISM, R-ISM BG)

Manufacturer: GEZE GmbH, Leonberg, Germany

Type of building hardware: Guide rail with door closing sequence selector and optionally electrically operated hold-open mechanism for use on fire and/or smoke protection doors or on emergency exits

Relevant standard: EN 1155:1997/A1:2002/AC:2006
EN 1158:1997/A1:2002/AC:2006

Coding system and classification EN 1155:	1	2	3	4	5	6
	3	8	3-6	1	1	4
Coding system and classification EN 1158:	1	2	3	4	5	6
	3	8	3-6	1	1	4

Product main dimensions: 2630 (2740) x 40 x 30 mm

Remarks:

Test report	Year	Steel doorset EN 15269-2	Timber doorset EN 15269-3	Steel framed doorset EN 15269-5	Alu framed doorset EN 15269-5	Single leaf doorset	double leaf doorset	EN 1634-1	EN 1634-2	EN 1634-3	EN 1191	Mounting of hardware ¹	Fire side ²	Duration of fire testing [min]
16-003262-PR01	2016	x					x	x				O	C	37
18-003282-PR01	2019		x				x	x				O	C	38
18-003282-PR02	2019		x				x	x				O	O	38
20-001954-PR01	2020	x					x	x				O	C	121
DMT-DO-50-792	2020	x					x	x				O	C	100

¹ C = closing side; O = opening side; M = mortice

² C = closing side; O = opening side

Test report number:	16-003262-PR01	
Test report issue date:	24.10.2016	
Test method:	EN 1634-1:2014	
Test report issued by / certification body:	ift Rosenheim GmbH, Theodor-Gietl-Straße 7-9, 83026 Rosenheim, Germany	
Material of doorset	Steel door leaf with glass insert	
Material of door frame:	Steel frame	
Setup of door set	Hinged, double leaf fire resistant and smoke control door set	
Door thickness	59 mm	
Dimension of primary leaf	1244 mm x 2467 mm	
Mass of primary leaf	115,5 kg	
Dimension of secondary leaf	1244 mm x 2467 mm	
Mass of secondary leaf	103 kg	
Test setup:	Fire exposure on opposite hinge side (closing side)	
Hardware product variant:	R-ISM guide rail	
Mounting position of hardware product:	Standard mounting position on hinge side (opening side)	
Classification according to test method:	Fire integrity E	33 min
	Fire insulation I ₁	23 min
	Fire insulation I ₂	33 min
	Heat radiation W	-
	Duration of testing	37 min

Test report number:	18-003282-PR01	
Test report issue date:	06.11.2019	
Test method:	EN 1634-1:2014+A1:2018	
Test report issued by / certification body:	ift Rosenheim GmbH, Theodor-Gietl-Straße 7-9, 83026 Rosenheim, Germany	
Material of doorset	Timber door leaf	
Material of door frame:	Timber frame	
Setup of door set	Hinged, double leaf fire resistant and smoke control door set	
Door thickness	51 mm	
Dimension of primary leaf	1020 mm x 2114 mm	
Mass of primary leaf	84 kg	
Dimension of secondary leaf	1033 mm x 2114 mm	
Mass of secondary leaf	85 kg	
Test setup:	Fire exposure on opposite hinge side (closing side)	
Hardware product variant:	E-ISM guide rail	
Mounting position of hardware product:	Standard mounting position on hinge side (opening side)	
Classification according to test method:	Fire integrity E	37 min
	Fire insulation I ₁	37 min
	Fire insulation I ₂	37 min
	Heat radiation W	-
	Duration of testing	38 min

Test report number:	18-003282-PR02	
Test report issue date:	06.11.2019	
Test method:	EN 1634-1:2014+A1:2018	
Test report issued by / certification body:	ift Rosenheim GmbH, Theodor-Gietl-Straße 7-9, 83026 Rosenheim, Germany	
Material of doorset	Timber door leaf	
Material of door frame:	Timber frame	
Setup of door set	Hinged, double leaf fire resistant and smoke control door set	
Door thickness	51 mm	
Dimension of primary leaf	1020 mm x 2114 mm	
Mass of primary leaf	84 kg	
Dimension of secondary leaf	1033 mm x 2114 mm	
Mass of secondary leaf	85 kg	
Test setup:	Fire exposure on hinge side (opening side)	
Hardware product variant:	E-ISM guide rail	
Mounting position of hardware product:	Standard mounting position on hinge side (opening side)	
Classification according to test method:	Fire integrity E	35 min
	Fire insulation I ₁	35 min
	Fire insulation I ₂	35 min
	Heat radiation W	-
	Duration of testing	38 min

Test report number:	20-001954-PR01	
Test report issue date:	08.06.2020	
Test method:	EN 1634-1:2014+A1:2018	
Test report issued by / certification body:	ift Rosenheim GmbH, Theodor-Gietl-Straße 7-9, 83026 Rosenheim, Germany	
Material of doorset	Steel door leaf	
Material of door frame:	Steel frame	
Setup of door set	Hinged, double leaf fire resistant and smoke control door set	
Door thickness	65 mm	
Dimension of primary leaf	1510 x 2485 mm	
Mass of primary leaf	184 kg	
Dimension of secondary leaf	522 x 2485 mm	
Mass of secondary leaf	67 kg	
Test setup:	Fire exposure on opposite hinge side (closing side)	
Hardware product variant:	ISM guide rail	
Mounting position of hardware product:	Standard mounting position on hinge side (opening side)	
Classification according to test method:	Fire integrity E	120 min
	Fire insulation I ₁	33 min
	Fire insulation I ₂	120 min
	Heat radiation W	-
	Duration of testing	121 min

Test report number:	DMT-DO-50-792	
Test report issue date:	09.06.2020	
Test method:	EN 1634-1:2014+A1:2018	
Test report issued by / certification body:	DMT GmbH & Co. KG, Tremoniastraße 13, 44137 Dortmund, Germany	
Material of doorset	Steel door leaf with glass insert	
Material of door frame:	Steel frame	
Setup of door set	Hinged, double leaf fire resistant and smoke control door set	
Door thickness	64 mm	
Dimension of primary leaf	1228 x 2475 mm	
Mass of primary leaf	170 kg	
Dimension of secondary leaf	1228 x 2475 mm	
Mass of secondary leaf	160 kg	
Test setup:	Fire exposure on opposite hinge side (closing side)	
Hardware product variant:	ISM guide rail	
Mounting position of hardware product:	Standard mounting position on hinge side (opening side)	
Classification according to test method:	Fire integrity E	98 min
	Fire insulation I ₁	46 min
	Fire insulation I ₂	94 min
	Heat radiation W	98 min
	Duration of testing	100 min

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For liveable buildings

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