

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

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

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|---|---|---|-----|---|---|---|
| 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

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|---|---|---------------|
| 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 |

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|---|---|---------------|
| 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 |

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|---|---|----------------|
| 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 |

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|---|--|----------------|
| 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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