

HARDWARE PERFORMANCE SHEET

GEZE Powerturn F



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: **Powerturn F / GEZE Powerturn F/R / Powerturn F/R-IS / Powerturn F-IS/TS / Powerturn F/R-IS/TS**

Manufacturer: GEZE GmbH, Leonberg, Germany

Type of building hardware: Power operated pedestrian swing door drive with self-closing function

Relevant standard: EN 1158:1997/A1:2002/AC:2006, EN 16005:2013-01/AC :2015-10, DIN 18263-4:2015-04

Coding system and classification EN 1158:	1	2	3	4	5	6
	3	8	4-7	1	1	0

Classification EN 16005: Low energy/ full energy/ optional usage of safety sensors

Classification DIN 18263-4: EN 4-6 guide rail / EN 6-7 link arm

Product main dimensions: 70 mm x 130 mm x 720 mm Powerturn F

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]
15-001190PR02	2015			x			x	x				O	C	44
903 1663 000/Bg	2016	x					x	x				C	C	92
19-003614-PR01	2020		x				x	x				O	O	36
20-001956-PR01	2020	x				x		x				O	C	131
20-001959-PR01	2020	x					x				x	C	-	-

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

² C = closing side; O = opening side

Test report number:	15-001190PR02	
Test report issue date:	03.08.2015	
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:	Stainless steel profile door leaf	
Material of door frame:	Steel frame	
Setup of door set:	Hinged, double leaf fire resistant and smoke control door set	
Door thickness:	60 mm	
Dimension of primary leaf:	1250 x 2622 mm	
Mass of primary leaf:	160,6 kg	
Dimension of secondary leaf:	1250 x 2622 mm	
Mass of secondary leaf:	162,8 kg	
Test setup:	Fire exposure on opposite hinge side (closing side)	
Hardware product variant:	Powerturn F/R-IS	
Mounting position of hardware product:	Transom mounting position on hinge side (opening side)	
Classification according to test method:	Fire integrity E	43 min
	Fire insulation I ₁	27 min
	Fire insulation I ₂	30 min
	Heat radiation W	-
	Duration of testing	44 min

Test report number:	903 1663 000/Bg	
Test report issue date:	01.07.2016	
Test method:	EN 1634-1:2014	
Test report issued by / certification body:	MPA Universität Stuttgart, Postfach 801140, 70511 Stuttgart, 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:	63 mm	
Dimension of primary leaf:	1030 x 2120 mm	
Mass of primary leaf:	108 kg	
Dimension of secondary leaf:	970 x 2120 mm	
Mass of secondary leaf:	107 kg	
Test setup:	Fire exposure on opposite hinge side (closing side)	
Hardware product variant:	Powerturn F/R-IS/TS	
Mounting position of hardware product:	Transom mounting position on opposite hinge side (closing side)	
Classification according to test method:	Fire integrity E	92 min
	Fire insulation I ₁	-
	Fire insulation I ₂	74 min
	Heat radiation W	-
	Duration of testing	92 min

Test report number:	19-003614-PR01	
Test report issue date:	11.03.2020	
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:	Timber door leaf with glass insert	
Material of door frame:	Timber frame	
Setup of door set:	Hinged, double leaf fire resistant and smoke control door set	
Door thickness:	56 mm	
Dimension of primary leaf:	1300 x 2750 mm	
Mass of primary leaf:	110 kg	
Dimension of secondary leaf:	1300 x 2750 mm	
Mass of secondary leaf:	115 kg	
Test setup:	Fire exposure on hinge side (opening side)	
Hardware product variant:	Powerturn F/R-IS/TS	
Mounting position of hardware product:	Transom mounting position on hinge side (opening side)	
Classification according to test method:	Fire integrity E	35 min
	Fire insulation I ₁	33 min
	Fire insulation I ₂	34 min
	Heat radiation W	-
	Duration of testing	36 min

Test report number:	20-001956-PR01	
Test report issue date:	25.06.2020	
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, single leaf fire resistant and smoke control door set	
Door thickness:	65 mm	
Dimension of primary leaf:	1300 x 2750 mm	
Mass of primary leaf:	146,5 kg	
Dimension of secondary leaf:	-	
Mass of secondary leaf:	-	
Test setup:	Fire exposure on opposite hinge side (closing side)	
Hardware product variant:	Powerturn F/R	
Mounting position of hardware product:	Transom mounting position on hinge side (opening side)	
Classification according to test method:	Fire integrity E	130 min
	Fire insulation I ₁	51 min
	Fire insulation I ₂	126 min
	Heat radiation W	-
	Duration of testing	131 min

Test report number:	20-001959-PR01
Test report issue date:	30.06.2020
Test method:	EN 1191:2013-04
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:	-
Dimension of primary leaf:	1262 x 2487 mm
Mass of primary leaf:	147 kg
Dimension of secondary leaf:	1274 x 2487 mm
Mass of secondary leaf:	152,5 kg
Test setup:	Durability of self-closing
Hardware product variant:	Powerturn F/R-IS
Mounting position of hardware product:	Transom mounting position on opposite hinge side (closing side)
Classification according to test method:	Primary leaf – C5 – (200.000 cycles) Secondary leaf – C5 – (200.000 cycles)

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