

HARDWARE PERFORMANCE SHEET

GEZE Boxer 2-4, 3-6



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:	GEZE Boxer size 2-4 / 3-6					
Manufacturer:	GEZE GmbH, Leonberg, Germany					
Type of building hardware:	Integrated / concealed door closer with controlled closing procedure for use on fire and/or smoke protection doors or on emergency exits					
Relevant standard:	EN 1154:1996/A1:2002/AC:2006					
Coding system and classification EN 1154:	1	2	3	4	5	6
	3	8	2-4 / 3-6	1	1	4
Product main dimensions:	240 x 45 x 32 / 250 x 54 x 40					

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]
YP 1487-1E-RA	2016				x		x	x				M	C	73
20-001955-PR01	2020	x				x		x				M	O	104
320040101-1	2020	x					x	x				M	O	37
20-004274-PR01	2021		x			X		X				M	C	37

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

² C = closing side; O = opening side

Test report number:	YP 1487-1E-RA	
Test report issue date:	25.01.2016	
Test method:	EN 1634-1:2014	
Test report issued by / certification body:	peutz bv, postbus 66, 6585 zh mook, Netherland	
Material of doorset	Aluminium frame with glass	
Material of door frame:	Metal frame	
Setup of door set:	Hinged, double leaf fire resistant door set	
Door thickness:	Glass: 14 mm	
Dimension of primary leaf:	1376x2450 mm; Glass: 1222x2318 mm	
Mass of primary leaf:		
Dimension of secondary leaf:	1076x2450 mm; Glass: 922x2318 mm	
Mass of secondary leaf:		
Test setup:	Fire exposure on opposite hinge side (closing side)	
Hardware product variant:	GEZE Boxer 2-4	
Mounting position of hardware product:	Mortice mounting in door leaf	
Classification according to test method:	Fire integrity E	71 min
	Fire insulation I ₁	71 min
	Fire insulation I ₂	71 min
	Heat radiation W	70 min
	Duration of testing	73 min

Test report number:	20-001955-PR01	
Test report issue date:	16.06.2020	
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	
Door frame	Steel frame	
Setup of door set	Hinged, single leaf fire resistant door set	
Door thickness	65 mm	
Dimension of primary leaf	1491 x 2485 mm	
Mass of primary leaf	182 kg	
Dimension of secondary leaf	-	
Mass of secondary leaf	-	
Test setup:	Fire exposure on hinge side (opening side)	
Hardware product variant:	GEZE Boxer 3-6	
Mounting position of hardware product:	Mortice mounting in door leaf	
Classification according to test method:	Fire integrity E	104 min
	Fire insulation I ₁	31 min
	Fire insulation I ₂	104 min
	Heat radiation W	-
	Duration of testing	107 min

Test report number:	320040101-1	
Test report issue date:	28.07.2020	
Test method:	EN 1634-1:2014	
Test report issued by / certification body:	IBS, Petzoldstraße 45, 4020 Linz, Austria	
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:	64 mm	
Dimension of primary leaf:	1228 x 2475 mm	
Mass of primary leaf:	94,8 kg	
Dimension of secondary leaf:	1228 x 2475 mm	
Mass of secondary leaf:	104,6 kg	
Test setup:	Fire exposure on hinge side (closing side)	
Hardware product variant:	GEZE Boxer 3-6 on passive leaf (secondary leaf)	
Mounting position of hardware product:	Mortice mounting in door leaf	
Classification according to test method:	Fire integrity E	37 min
	Fire insulation I ₁	21 min
	Fire insulation I ₂	37 min
	Heat radiation W	-
	Duration of testing	37 min

Test report number:	20-004274-PR01	
Test report issue date:	05.02.2021	
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	Timber door leaf	
Material of door frame:	Timber frame	
Setup of door set:	Hinged, single leaf fire resistant door set	
Door thickness:	79 mm	
Dimension of primary leaf:	1306 x 2774 mm	
Mass of primary leaf:	140,6 kg	
Dimension of secondary leaf:		
Mass of secondary leaf:		
Test setup:	Fire exposure on opposite hinge side (closing side)	
Hardware product variant:	GEZE Boxer 3-6	
Mounting position of hardware product:	Mortice mounting in door leaf	
Classification according to test method:	Fire integrity E	37 min
	Fire insulation I ₁	21 min
	Fire insulation I ₂	35 min
	Heat radiation W	-
	Duration of testing	37 min

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