

HARDWARE PERFORMANCE SHEET

GEZE Boxer EFS 4-6



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 EFS 4-6					
Manufacturer:	GEZE GmbH, Leonberg, Germany					
Type of building hardware:	Door closer with integrated electrically operated hold-open mechanism for use on fire and/or smoke protection doors or on emergency exits					
Relevant standard:	EN 1154:1996/A1:2002/AC:2006 EN 1155:1997/A1:2002/AC:2006					
Coding system and classification EN 1154:	1	2	3	4	5	6
	3	8	4-6	1	1	3
Coding system and classification EN 1155:	1	2	3	4	5	6
	3	8	4-6	1	1	3
Product main dimensions:	278 x 51 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]
YA 1487-1-RA-001	2015			x		x		x				M	C	100
YB 1487-1E-RA	2016				x		x	x				M	C	73
320040101-1	2020	x					x	x				M	O	37
DMT-DO-865	2020		x				x	x				M	O	32

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

² C = closing side; O = opening side

Test report number:	YA 1487-1-RA-001	
Test report issue date:	12.05.2015	
Test method:	EN 1634-1:2014	
Test report issued by / certification body:	peutz bv, postbus 66, 6585 zh mook, Netherland	
Material of doorset	Steel frame with glass	
Material of door frame:	Metal frame	
Setup of door set:	Hinged, single leaf fire resistant door set	
Door thickness:	Glass: 14 mm	
Dimension of primary leaf:	1320 x 2450 mm; Glass: 1166 x 2318 mm	
Mass of primary leaf:	-	
Dimension of secondary leaf:	-	
Mass of secondary leaf:	-	
Test setup:	Fire exposure on opposite hinge side (closing side)	
Hardware product variant:	GEZE Boxer EFS 4-6	
Mounting position of hardware product:	Mortice mounting in door leaf	
Classification according to test method:	Fire integrity E	100 min
	Fire insulation I ₁	-
	Fire insulation I ₂	-
	Heat radiation W	-
	Duration of testing	100 min

Test report number:	YB 1487-1E-RA	
Test report issue date:	15.03.2016	
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:	1376 x 2450 mm; Glass: 1222 x 2318 mm	
Mass of primary leaf:	-	
Dimension of secondary leaf:	1076 x 2450 mm; Glass: 922 x 2318 mm	
Mass of secondary leaf:	-	
Test setup:	Fire exposure on opposite hinge side (closing side)	
Hardware product variant:	GEZE Boxer EFS 4-6	
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:	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 (opening side)	
Hardware product variant:	GEZE Boxer EFS 4-6 on active leaf (primary 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:	DMT-DO-865	
Test report issue date:	24.11.2020	
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	Timber door leaf	
Material of door frame:	Timber frame	
Setup of door set:	Hinged, double leaf fire resistant door set	
Door thickness:	68 mm	
Dimension of primary leaf:	1293 x 2798 mm	
Mass of primary leaf:	144 kg	
Dimension of secondary leaf:	1293 x 2798mm	
Mass of secondary leaf:	129 kg	
Test setup:	Fire exposure on hinge side (opening side)	
Hardware product variant:	GEZE Boxer EFS 4-6 on active leaf (primary leaf)	
Mounting position of hardware product:	Mortice mounting in door leaf	
Classification according to test method:	Fire integrity E	30 min
	Fire insulation I ₁	30 min
	Fire insulation I ₂	30 min
	Heat radiation W	30 min
	Duration of testing	32 min

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