
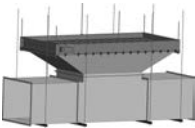
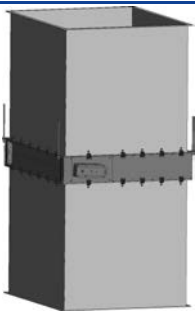


DoP/EK-JS/DE/001



1.	Product Unique identification code of the product type	EK-JS
2.	Intended use	Smoke control damper for single sections (single sections)
3.	Manufacturers	TROX GmbH Heinrich-Trox-Platz • 47504 Neukirchen-Vluyn • Germany Phone +49 (0) 2845 2020 • Fax +49 (0) 2845 202265 E-mail trox-de@troxgroup.com • Internet www.troxtechnik.com
5.	System of assessment and verification of constancy of performance	System 1
6.	Harmonised standard	EN 12101-8:2011
	Notified body/ies	The notified body 0761 – MPA Braunschweig – carried out the initial inspection of the manufacturing plants and of the factory production control, as well as the continuous surveillance, assessment and evaluation of factory production control according to System 1 of the Construction Products Regulation and issued the certificate of constancy of performance: 0761 – CPR – 1047
7.	Declared performances	

Table 1

Essential characteristics: fire resistance for nominal sizes [mm]: 100 × 100 to 1250 × 2560		
Supporting construction	Construction	Class of performance for
 <p>on smoke extract ducts for increased temperatures</p>	<ul style="list-style-type: none"> on horizontal sheet steel smoke extract ducts and lines tested according to EN 1366-9 	<ul style="list-style-type: none"> E600120 (h_{od} i↔o) S 1500 C_{mod} AA Single
 <p>on smoke extract ducts for increased temperatures</p>	<ul style="list-style-type: none"> on horizontal sheet steel smoke extract ducts with moulded part according to EN 12101-7 and tested according to EN 1366-9 	<ul style="list-style-type: none"> E600120 (h_{od} i↔o) S 1500 C_{mod} AA Single
 <p>in smoke extract ducts with a height offset for increased temperatures</p>	<ul style="list-style-type: none"> in horizontal sheet steel smoke extract ducts tested according to EN 1366-9 	<ul style="list-style-type: none"> E600120 (h_{od} i↔o) S 1500 C_{mod} AA Single

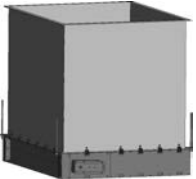

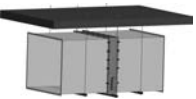

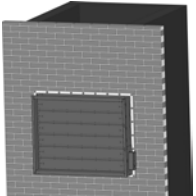
 <p>at the end of the smoke extract ducts with a height offset for increased temperatures</p>	<ul style="list-style-type: none"> • at the end of horizontal sheet steel smoke extract ducts tested according to EN 1366-9 	<ul style="list-style-type: none"> • E600120 (h_{od} i↔o) S 1500 C_{mod} AA Single
 <p>on smoke extract ducts for increased temperatures</p>	<ul style="list-style-type: none"> • on horizontal sheet steel smoke extract ducts tested according to EN 1366-9 	<ul style="list-style-type: none"> • E600120 (v_{ed} i↔o) S 1500 C_{mod} AA Single
 <p>in horizontal smoke extract ducts for increased temperatures</p>	<ul style="list-style-type: none"> • in horizontal sheet steel smoke extract ducts tested according to EN 1366-9 	<ul style="list-style-type: none"> • E600120 (v_{ed} i↔o) S 1500 C_{mod} AA Single
 <p>at the end of horizontal smoke extract ducts for increased temperatures</p>	<ul style="list-style-type: none"> • at the end of horizontal sheet steel smoke extract ducts tested according to EN 1366-9 	<ul style="list-style-type: none"> • E600120 (v_{ed} i↔o) S 1500 C_{mod} AA Single
 <p>on solid smoke extract ducts</p>	<ul style="list-style-type: none"> • on solid smoke extract ducts, if these ducts are intended exclusively for use at increased temperatures up to 600 °C 	<ul style="list-style-type: none"> • E600120 (v_{ed} i↔o) S 1500 C_{mod} AA Single

Table 2

Essential characteristics	Technical specification, section of EN 12101-8	Performance level	(●) Requirements met/Note
Nominal activation conditions/sensitivity	4.2.1.3		● / Suitability for manual and automatic release: verified
Response delay	4.2.1.4	AA	● / Opening/closure at 30 seconds (AA) has been verified at increased temperatures up to 600 °C fire temperature. period of time < 60 s
Operational reliability	4.4.2.2	C _{10,000} /C _{mod}	● / 20,000 cycles, duration per cycle < 120 s
Fire resistance classification to EN 13501-4			
Integrity (E)	4.1.1 a)	E120	● / Details: Table 1
Leakage (S)	4.1.1 c)	ES1500	● / Pressure level 3, differential pressure: -1500 Pa to +500 Pa
Mechanical stability (part of E)	4.1.1 d)	E120	● / Details: Table 1
Maintenance of cross section (part of E)	4.1.1 e)	E120	● / Details: Table 1
Durability (single sections) Durability of response delay In connection with actuators and interface control units [B24] (BE24-ST TR, BEE24-ST TR, BEN24-ST TR) [B230] (BE230 TR, BEE230 TR, BEN230 TR) [B24A] ([B24] + TROXNETCOM control module AS-EM/EK) [B24AM] ([B24] + TROXNETCOM control module AS-EM/M) [B24AS] ([B24] + TROXNETCOM control module AS-EM/SIL2) [B24SR] (BEE24-SR-ST TR, BEN24-SR-ST TR) [B24BKNE] ([B24] + BKNE230-24) [B24C] ([B24] + BC24) [B24D] ([B24] + BRM-10-F-ST) [B230D] (B230 + BRM-10-F)	4.4.2.1	AA	● / Opening/closure at 30 seconds (AA) has been verified at increased temperatures up to 600 °C. period of time < 60 s

<p>Durability (single sections) Durability of operational reliability In connection with actuators and interface control units [B24] (BE24-ST TR, BEE24-ST TR, BEN24-ST TR) [B230] (BE230 TR, BEE230 TR, BEN230 TR) [B24A] ([B24] + TROXNETCOM control module AS-EM/EK) [B24AM] ([B24] + TROXNETCOM control module AS-EM/M) [B24AS] ([B24] + TROXNETCOM control module AS-EM/SIL2) [B24SR] (BEE24SR-ST TR, BEN24SR-ST TR) [B24BKNE] ([B24] + BKNE230-24) [B24C] ([B24] + BC24) [B24D] ([B24] + BRM-10-F-ST) [B230D] (B230 + BRM-10-F)</p>	4.4.2.2	C _{10,000}	<ul style="list-style-type: none"> / 10,000 cycles, duration per cycle < 120 s
<p>Durability (single sections) Durability of operational reliability In connection with actuators and interface control units [B24AM] ([B24] + TROXNETCOM control module AS-EM/M) [B24SR] (BEE24SR-ST TR, BEN24SR-ST TR)</p>	4.4.2.2	C _{mod}	<ul style="list-style-type: none"> / 20,000 work cycles of cycle duration < 120 s of which 10,000 work cycles with 45° to 60° swivel range

Table 3

Essential characteristics	Technical specifications	Performance level	(●) Requirements met/Note
Damper with cover grille	EN 1366-10, 5.2.3		● / Required; can also be used to terminate openings and ducts
Damper blade leakage	EN 1751	minimum class 2, from nominal width 840 × 480 class 3	●
Damper casing leakage	EN 1751	class B, from nominal width 840 × 480 class C	●

Signed for and on behalf of TROX GmbH:

Neukirchen-Vluyn, 1 January 2022



Jan Heymann • Authorised Representative • CE-marked products