

Flame Retardant Tube Clamps acc. DIN 3015

EN 45545-2

To -50 °C



Systematic safety

Parker's well-known tube clamp programme, thanks to the flame retardant version, is the ideal solution for the railway vehicle market. This product series completes the range for this market and demonstrates once again Parker's competence and reliability as a system supplier. All this means greater safety and efficiency for railway vehicles.

Conform to the norm

Fire protection tube clamps certified in accordance with:

- EN 45545-2
- DIN 5510-2
- BS 6853
- UL 94-V0
- UNI CEI 11170-2



The advantages:

- Flame Retardant acc. EN 45545-2.
- Applicable down to -50 °C.
- From the system supplier for railway vehicles.

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PA polyamide tubing for pneumatic applications to EN 45545-2, see document no. LEAF/0536. Pneumatic and hydraulic hoses to EN 45545-2, see document no. BUL/4480-F02.



For seamless hydraulic tubes in steel and stainless steel see CAT/4041-2.



ENGINEERING YOUR SUCCESS.

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Technical Data

Material EN 45545-2	Polypropylene (PP-F)	Polyamide (PA66-F)	Rubber (TPE-F)
T01 EN ISO 4589-2 Oxygen content	OI = 38,7 %	OI = 35,5 %	OI = 33,4 %
T10.03 EN ISO 5659-2 Optical flue gas concentration 25 kW/m ³	D _s max = 48	D _s max = 124	D _s max = 79
T12 NF X 70 100-1 & -2 Flue gas toxicity 600 °C	CIT _{NLP} = 0,15	CIT _{NLP} = 0,51	CIT _{NLP} = 0,15
Compliance of the requirement set R22, R23, R24, R26 for the hazard level	HL1, HL2, HL3		

Operation Category	N (normal/standard)	A (automatic train)	D (double-decked vehicle)	S (sleeping vehicle)
1 – Overground operating	HL1	HL1	HL1	HL1
2 – Tunnel < 5 km	HL2	HL2	HL2	HL2
3 – Tunnel > 5 km	HL2	HL2	HL2	HL2
4 – Without side evacuation	HL3	HL3	HL3	HL3

DIN EN 45545-2:2016-02

Order code	R	A	P	3	2	0	F	H	X
Tube clamp									
Series:	A = Light series B = Twin tube clamp C = Heavy series O = O series								
Material:	P = Polypropylene N = Polyamide V = Rubber ¹⁾								
Interior surface:	Standard = grooved G = smooth ²⁾ E = with noise dampening inlay								
Size:									
Diameter:									
Flame retardant									
Body (2 clamp halves)									

Ordering examples:

RAN110FHX

Tube clamp series A to DIN 3015, polyamide with ribs, clamp size 1, tube o.d. 10 mm, flame retardant, without bolts and cover plates.

RAVG215FHX

Tube clamp series A to DIN 3015, TPE smooth, clamp size 2, tube o.d. 15 mm, flame retardant, without bolts and cover plates.

¹⁾ Rubber clamps in series A and B are inside smooth. Rubber clamps in series C are inside with ribs.

²⁾ Smooth inner surface in series A only size 1 to 6. Smooth inner surface in series C only up to size 4.

Noise dampening inlay, fire protection: 80° Shore-A.

For further technical information, please see catalogue no 4100-10.