

FLAMRO Variant N II KS fire protection collar

EI 120

ETA-13/0792

Special Benefits

- Ideal for installation ducts, e.g. building refurbishments
- Limited space requirement due to low installation height
- Approved for lightweight partition walls
- Sealing of remaining openings using standard materials possible, e.g. concrete, cement mortar, gypsum
- Usable with previously installed pipes due to simple sealing technology
- Collar casings may adjoin when installing floor (zero clearance)
- Filled or not filled conduits (spares for subsequent retrofitting provided)
- Limited space requirement due to low installation height
- The total cross-section of the cables and electric lines must not exceed 60 % of the seal surface, i.e. maximum occupation of opening
- Intumescent insertion area of application X in accordance with EOTA TR 024

Permitted Configuration

- Conduits made of PVC or Polyolefin, filled or not filled with cables Ø 21 mm
- Individual tube up to max. 63 mm outer diameter
- In bundle up to max. 125 mm outer diameter

Collar type	Outer diameter	Internal diameter	Installation height	Number of metal plates
N II A, Ø 32 mm	50 mm	36 mm	26 mm	2
N II A, Ø 40 mm	58 mm	44 mm	26 mm	2
N II A, Ø 50 mm	68 mm	54 mm	26 mm	2
N II A, Ø 63 mm	94 mm	67 mm	26 mm	4
N II A, Ø 75 mm	106 mm	79 mm	26 mm	4
N II A, Ø 90 mm	132 mm	94 mm	27 mm	4
N II A, Ø 110 mm	155 mm	114 mm	27 mm	4
N II A, Ø 125 mm	172 mm	129 mm	40 mm	4

Form of Delivery

Article Description	Contents / Dimensions	Art. No.
FLAMRO Variant N II A Fire Protection Collar	see page 54	Dependent on Pipe diameter
BC Putty for smokegas-impermeable sealing of installation pipe	400 g cartridge	10904

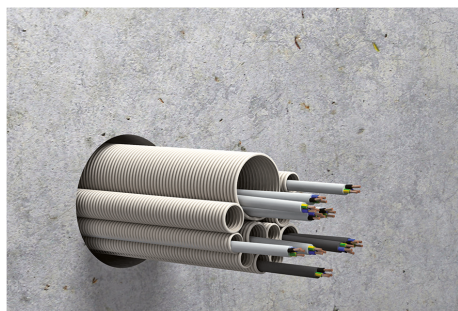
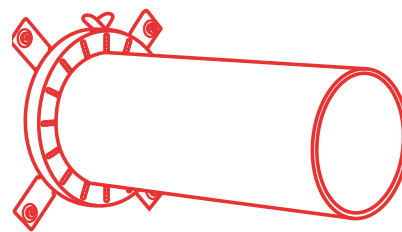


How much material is required?

Description

Fire protection collar, filled with conduits or conduit bundles

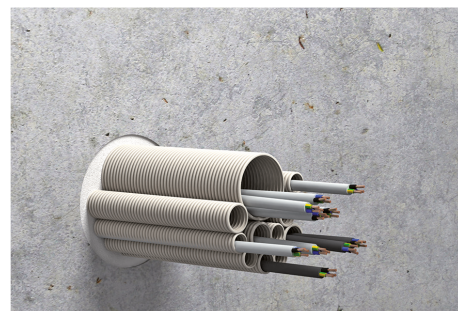
- Wall penetration: collar mounted on both sides
- Floor penetration: one collar bottomside



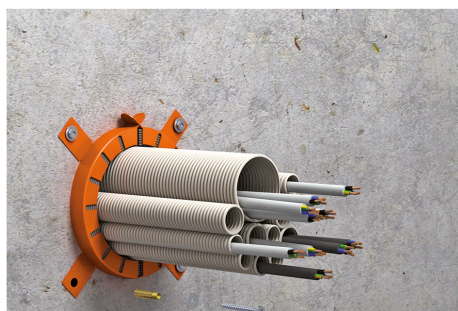
Insert the installation tube into the opening with or without cable occupancy. The conduits must protrude out of both sides of the wall / floor by at least 200 mm.



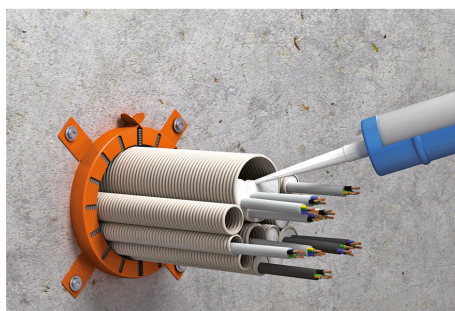
The remaining openings in the wall or floor must be filled in with FLAMRO M3 or FLAMRO KMO or plaster, e.g. FLAMRO Filler so that there are no cavities.



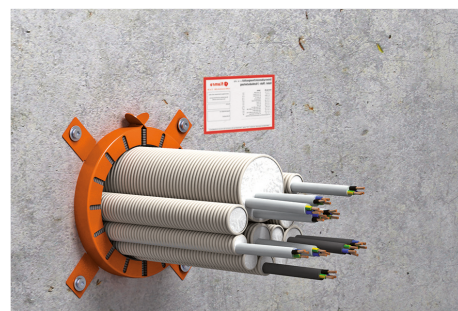
The appropriate fire protection collar must be selected. The internal diameter of the collar used must be no more than 30 mm greater than the diameter of the pipe or bundle.



All of the available fixing holes must be used.



Fill the conduits with fire protection putty for smoke-proof sealing.



The seal must then be permanently labelled with a sign. The identification plate must be attached to the component next to the seal and may be obtained from FLAMRO.

Installation Data

	Rigid wall	Solid floors	Lightweight partition walls
Wall/floor thickness	min. 100 mm	min. 150 mm	min. 100 mm
Max. seal dimensions (W x H/L)	Ø ≤ 125 mm	Ø ≤ 125 mm	Ø ≤ 125 mm