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# GEAQUELLO® E 234

## Retrofit modules

The retrofit modules GEAQUELLO® E 234 consist of a flame-resistant and a swelling fire protecting material based on polyurethane. GEAQUELLO® E 234 is free of fibres and solvents and is not toxic.



## General information

### Areas of application

- In the sealing system GEAQUELLO® E 950
- In the sealing system GEAQUELLO® CPS
- Maritime, Offshore
- SOLAS / IMO approval: A 60, water- and gastight

### Benefits

- ✓ The design of the retrofit modules provides maximum safety during the process of retrofitting cables and pipes
- ✓ Approved within the GEAQUELLO® Certificate
- ✓ Cost-efficient, fast and safe retrofit solution



**Future-proof retrofit**



**Fast installation**



**Cost-efficient**

## Delivery and packaging

### GEAQUELLO® E 234

	S	M	L
<b>Packaging</b>	Box	Box	Box
<b>Modul size</b>	Ø 40 x 235 mm	Ø 66 x 235 mm	Ø 90 x 235 mm
<b>Quantity / Box</b>	20 pcs. / Box	6 pcs. / Box	3 pcs. / Box
<b>Product number</b>	4145500	4145502	4145504

**If you would like to place an order, please contact us:**

Phone: +49 561 5801 0

E-Mail: [order@aik-flammadur.de](mailto:order@aik-flammadur.de)

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## Retrofit modules

Technical data	
<b>Application</b>	<p>The formed parts of GEAQUELLO® E 234 are used as retrofit modules (placeholders) for cable and pipe penetrations in the sealing system GEAQUELLO® E 950 or CPS. The modules are to be placed in the sealing compound by the user. In case of fire GEAQUELLO® E 234 develops a stable insulating layer with reduced temperature effect and an expansion pressure, which can be used mechanically, for example in order to seal off the flammable pipes according to SOLAS requirements.</p> <p>GEAQUELLO® E 234 modules are insensible to moisture and extensively consistent to typical technical oils, depleted acidity and leaches. They have no negative influence on the materials, which you get in contact with.</p>
<b>Shore hardness (DIN 53505)</b>	88 - 92 Shore A
<b>Expansion pressure (300 °C)</b>	0.6 - 1.2 N/mm <sup>2</sup>
<b>Expansion (450 °C)</b>	17 - 26 fold
<b>Operation temperature</b>	-50 °C to +80 °C
<b>Colour</b>	Black
<b>Weight</b>	300, 760, 1500 g
<b>Processing</b>	<p>GEAQUELLO® E 234 retrofit modules will be graded and available in D1 40-90 mm diameters. Tested media: Cable until D2 37 mm; flammable pipes until Ø D2 63 mm; metal pipes until Ø D2 22 mm. The distance to the other compounds should be of two R 312 / R 380 BAND SIZES: The annular gap should be of at least 8 mm after the drilling. It will be filled with material cartridges of GEAQUELLO® E 234 T.</p>
<b>Storage</b>	Store it dry.
<b>Approvals</b>	<p>Product is provided for MED approval (Stand: October 2019)</p> <p>Patent application under No.: 10 2018 114 683.3</p>