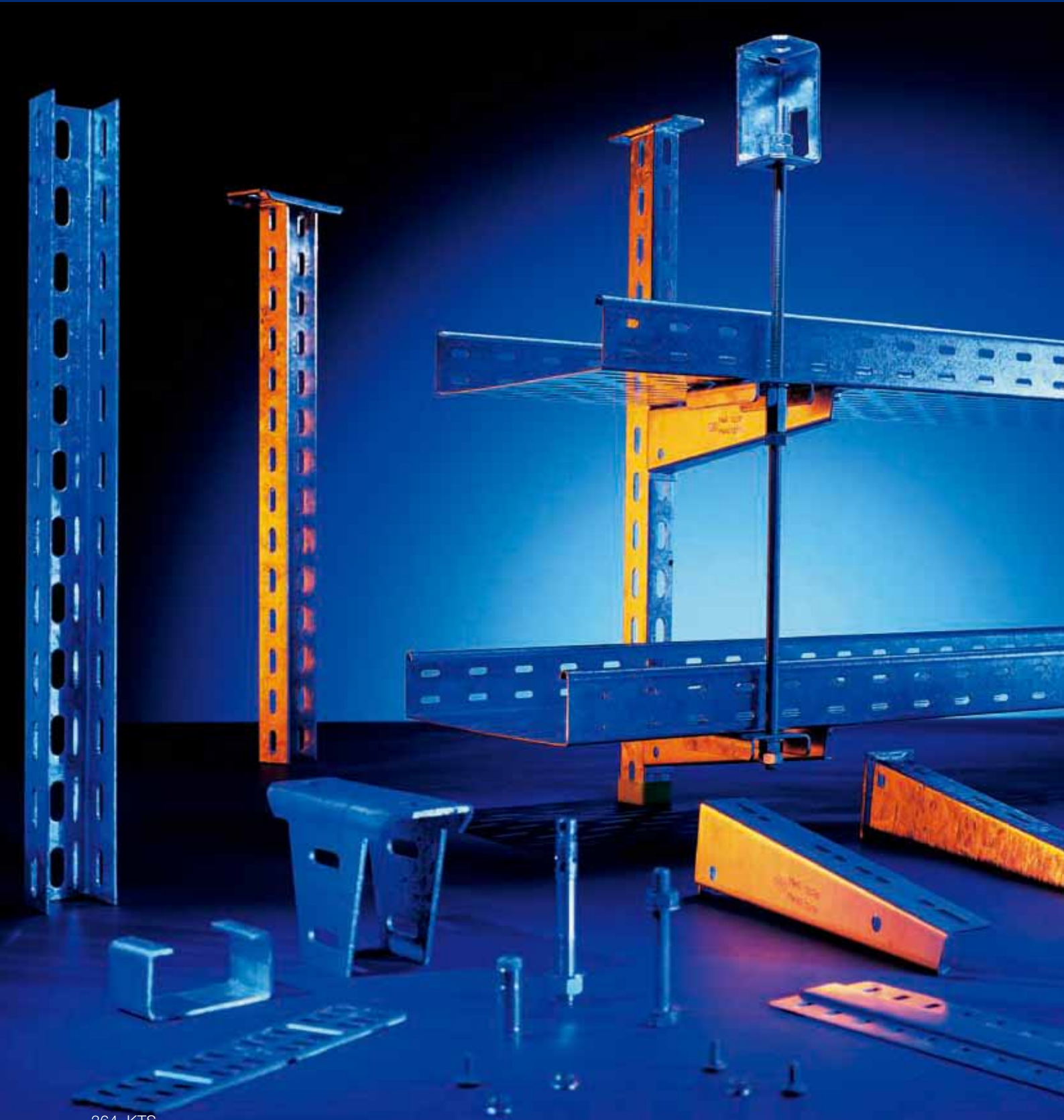


- ▶ Cable support systems for function maintenance
- ▶ Tested according to DIN 4102, Part 12
- ▶ Tested escape route installation systems for installing in false ceilings



Function maintenance systems and escape route installation systems



OBO
BETTERMANN

OBO function maintenance systems



Cable tray systems

can offer many possibilities for electrical installations with function maintenance. They are approved as standard support system and cable-specific support system according to DIN 4102 Part 12 for the fire protection classes E30 and E90. Here, cable trays made of galvanised steel are used, with a side height of 60 mm.



Cable ladder systems

are approved as standard support system and cable-specific support system according to DIN 4102 Part 12 for electrical installation with function maintenance. They are approved for fire protection classes E30 and E90. Here, cable ladders made of galvanised steel are used, with a side height of 60 mm. OBO cable ladder systems can be installed on walls and ceilings.



Vertical ladder systems

simplify the vertical installation of cables. They are approved as standard support system and cable-specific support system according to DIN 4102 Part 12 with function maintenance for the fire protection classes E30 and E90. The vertical ladders are machined from galvanised steel and are available in various designs and dimensions.

More.

You can find our complete fire protection, function maintenance and escape route installation systems in our fire protection catalogue. A comprehensive planner section and a wide range of practical information provides you with a simple introduction to the complex topic. The catalogue is divided up into the chapters:

- ▶ Insulation systems
- ▶ Escape route installation systems
- ▶ Fire protection duct systems
- ▶ Function maintenance systems

Contact us now on +49 23 73 89 -15 17 to request your copy.



Single wiring systems

can offer practical, flexible installation options for electrical installations with function maintenance. The systems are suited to vertical and horizontal installation and are approved for the fire protection classes E30 and E90. Standardised supporting constructions as defined in the testing standard, DIN 4102 Part 12, include: The routing of cables with clamps and the routing of cables with profile rails, U clamps and a long sleeve.



Escape route installation systems for installation in false ceilings

There are special regulations valid for electrical installations in the area of emergency and escape routes, because there must be a guarantee that these routes can be used safely if there is a fire. Details are specified by the German guideline (MLAR systems). The requirements of this directive can be fulfilled either by flush-mounted cables, by an installation in

fire protection by flush-mounted cables, by an installation in fire protection duct systems or cable installations with specially tested laying systems above suspended fire protection ceilings. OBO Bettermann offers these installations in different practical variants.

OBO fire protection systems

Sealing systems
HSM mortar seal

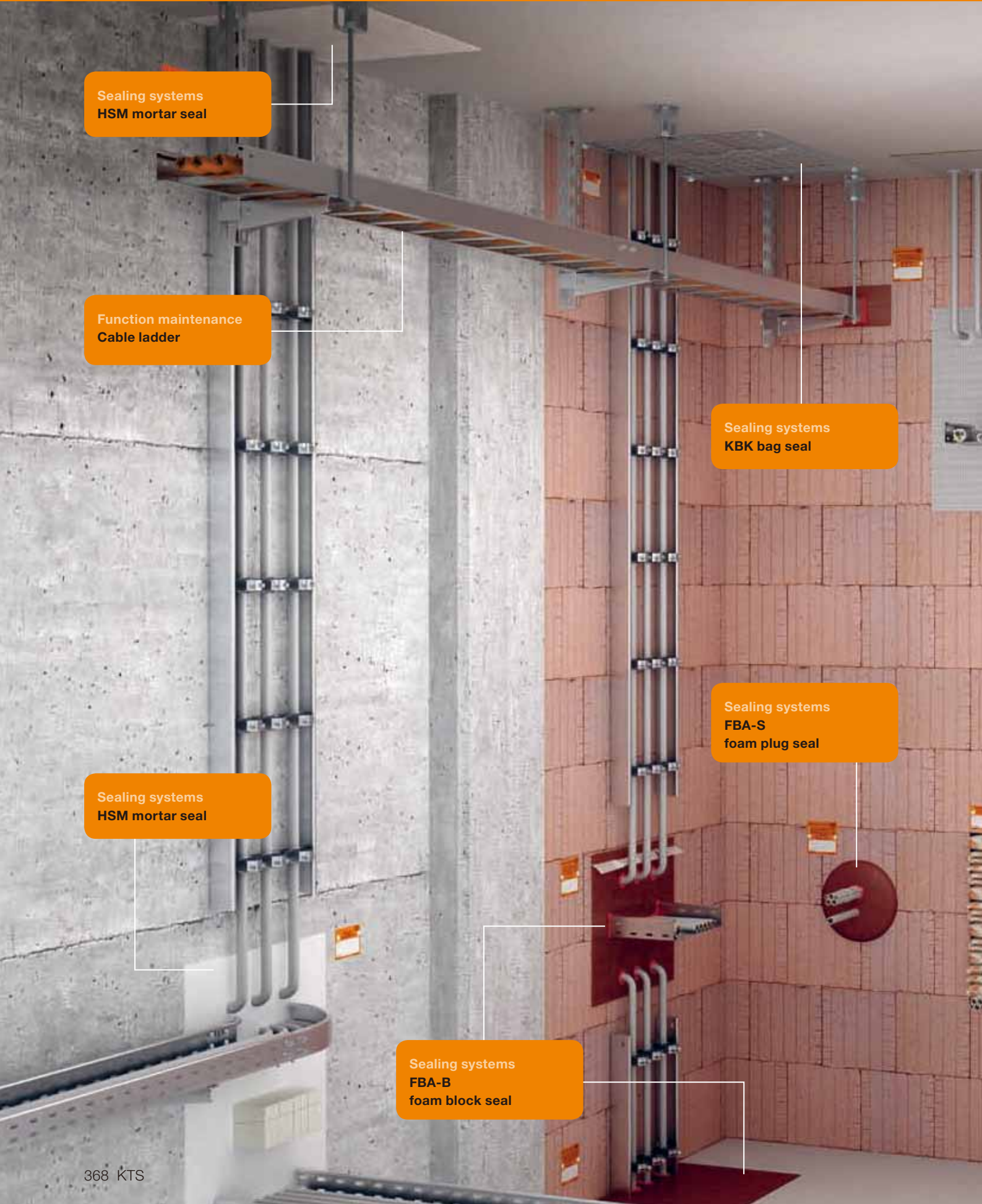
Function maintenance
Cable ladder

Sealing systems
KBK bag seal

Sealing systems
HSM mortar seal

Sealing systems
FBA-S
foam plug seal

Sealing systems
FBA-B
foam block seal



Escape route
installation systems

BSK fire protection duct

Sealing systems
FPS mineral wool seal

Sealing systems
FBA-D mini tube plug seal

Sealing systems
FBA-F foarm box seal

Sealing systems
KBK-K bag seal

Sealing systems
KBK bag seal

Sealing systems
FBA-SR tube plug seal