

K-FLEX® PIPE SUPPORT



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- ▶ Research has shown that uninsulated pipe fittings are still a common thermal bridge on insulated pipe systems. Their effect is often underestimated. A finite element method analysis (FEM) on an insulated pipe section has shown that approximately 50% of the heat loss for the entire considered section is due to the lack of use of pipe supports. It is so easy to avoid thermal bridges. The solution is called K-FLEX® pipe support.

K-FLEX® PIPE SUPPORTS



Specifically designed to ensure a correct insulation thickness where joints are made. The PIR central section, which covers the whole circumference and is attached to two K-FLEX® insulating material sections, ensures a perfect continuity of the vapour barrier avoiding any possible thermal bridge. Longitudinal sealing is obtained by means of the self-adhesive overlap. The external cover is in PVC. The support is also available with a collar and a special metal support which, when fixed to the supporting framework, ensures greater overall installation stability.

MEASUREMENTS

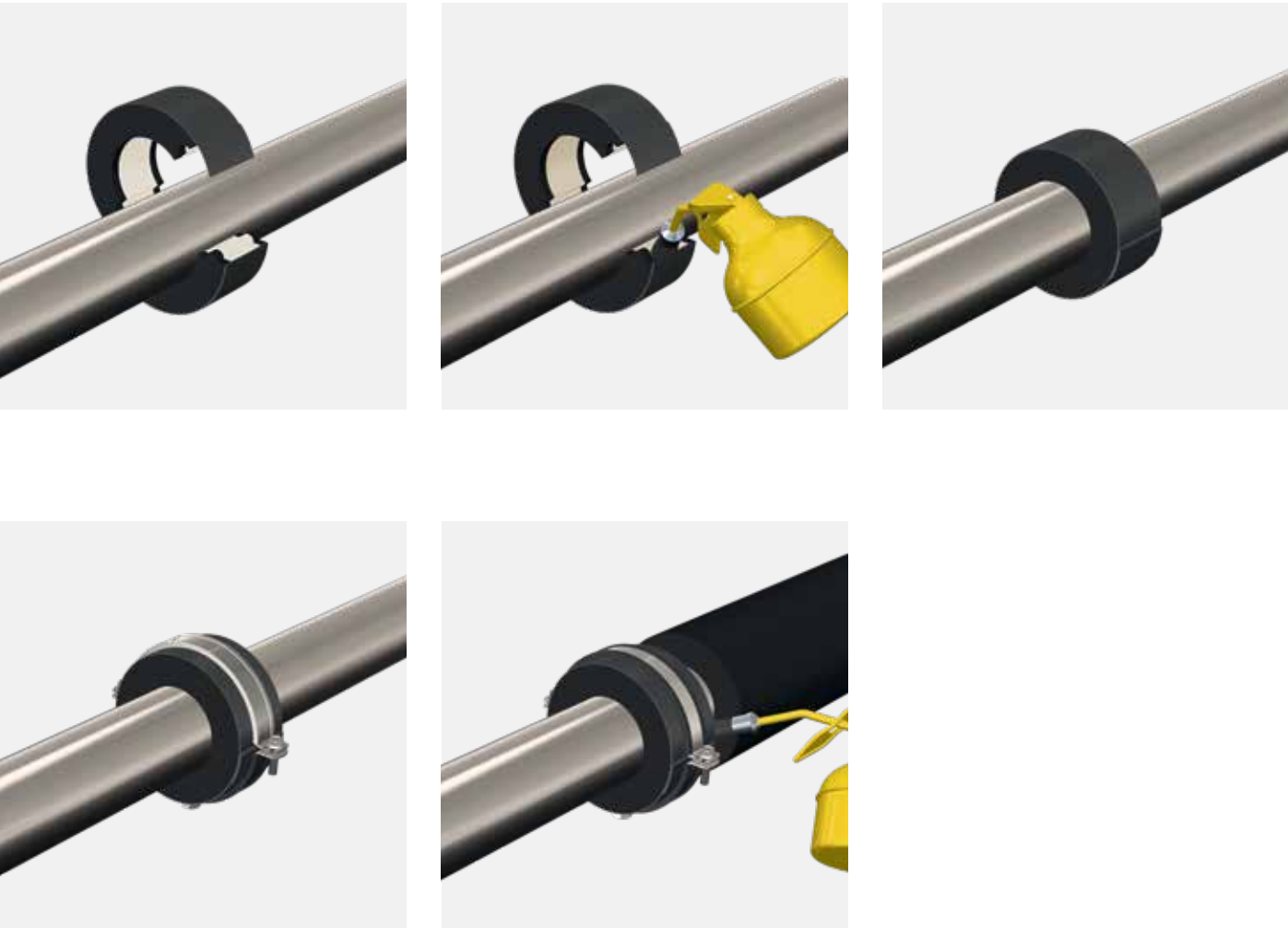
Thicknesses mm: 13, 19, 25, 32
Tube diameter mm: from 18 to 160; inches: from 3/4” to 5”
The insulating supports are also available in K-FLEX® ECO, SOLAR, AL CLAD, COLOR, in the same measurements as those indicated for K-FLEX® ST.

K-FLEX® PIPE SUPPORTS ▶ TECHNICAL DATA	
▼ Property ▼	▼ Value ▼
Central section in PIR	Density 120 kg/m³
Compression resistance	1350 kPa
Temperature range	-45 °C +105 °C
Thermal conductivity λ	0,036 W/(m•K) a 0 °C
Maximum stockage time	1 year
Colour	Black
Permeability to vapour	0,16 W/(m•K)
Diam. and thickness tolerance	1,0 gm² 24h Pa

K-FLEX® reserves the right to change data and technical requirements without notice.

APPLICATION

- ▶ Place the insulating support around the pipe.
- ▶ Spread K-FLEX® adhesive onto the half-collars.
- ▶ Seal lengthways using the adhesive overlap.
- ▶ Fix the collar around the support.
- ▶ Glue the support to the insulating material.



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