

## Pipe span calculation

### Initial data

<b>80 mm</b>	Nominal diameter of the pipeline	<b>Pipe material</b>	Steel
<b>90 °C</b>	Maximum temperature of water / steam	<b>Laying method</b>	Aboveground
<b>16 bar</b>	Maximum water / steam pressure	<b>Type of compensators</b>	Axial

### Calculation results

<b>8.0 m</b>	Maximum span calculated based on strength
<b>5.9 m</b>	Maximum span calculated based on deflection
<b>4.0 m</b>	Recommended span between movable supports on a straight section
<b>2.7 m</b>	Recommended span for sections before and after a turn and between supports closest to the turn
<b>2.0 m</b>	Recommended span for the last two sections on each side of an axial compensator

