

TYPE 4K

general

specification

As an addition to the 3K compensator range, the 4K multiple bellow expansion joints with support rings have been designed especially to provide small, low weight expansion joints which combine flexibility and high medium temperature with simple installation.

The expansion joints are manufactured in brown synthetic rubber, with a black inner liner, reinforced with synthetic fabric to achieve a high mechanical strength. They are suitable for use with cooling water, fuel and lubrication oil pipework systems up to 220°C.

The 4K ranges accommodate misalignment, axial and lateral pipework movements and reduce the transmission of noise, vibration and shock.

The burst pressure safety factor is 3 times the working pressure of 4 bar.

The minimum workpressure (absolute) is 80 to 90 kPa, depending on compensator size and can be lowered by fitting vacuum support rings.

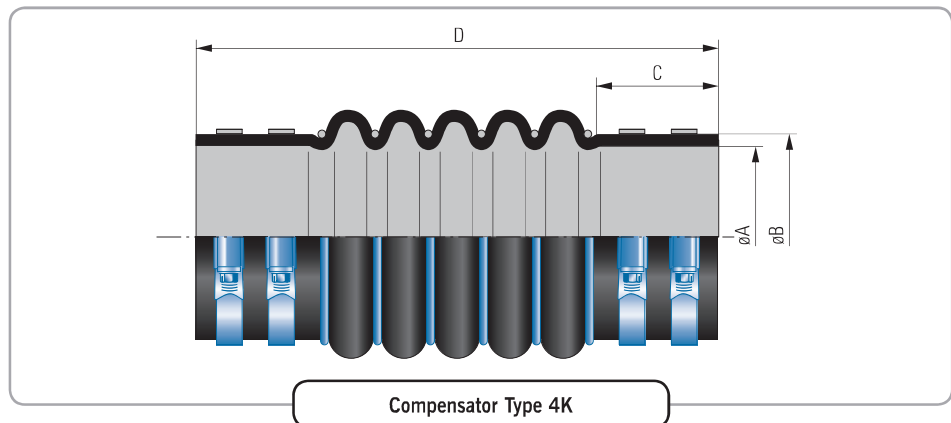
The mentioned pressures are guaranteed by using the recommended (stainless steel) clamps according to the table.

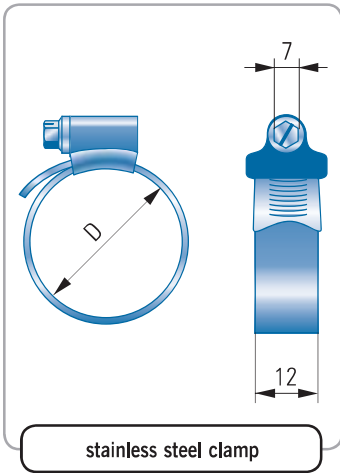
TECHNICAL DATA AND DIMENSIONS

compensator

type 4K

ARTICLE CODE*	COMPENSATOR DIMENSIONS				ALLOWABLE DISPLACEMENTS		
	Ø A (mm)	Ø B (mm)	C (mm)	D (mm)	AXIAL (mm)	LATERAL (mm)	ANGULAR (°)
KD033.7S000	33,7	39,4	45	175	±10	±10	45
KD048.3S000	48,3	54,0	45	175	±14	±14	45
KD060.3S000	60,3	66,0	45	195	±14	±14	30
KD063.5S000	63,5	69,2	45	195	±14	±14	30
KD076.1S000	76,1	81,8	45	195	±14	±14	30
KD088.9S000	88,9	94,6	45	195	±18	±18	30





ARTICLE CODE	DIAMETER RANGE (mm)
KSK025W230	32 - 44
KSK030W230	38 - 50
KSK040W230	44 - 56
KSK045W230	50 - 65
KSK050W230	58 - 75
KSK060W230	68 - 85
KSK080W230	77 - 95

See separate table for clamp dimensions.

INSTALLATION INSTRUCTIONS

type 4K

At maximal nominal length or lateral displacements, the allowed angular misalignment is 50 % of the value mentioned in the table.

Install the rubber expansion joint where it is easily accessible for inspection.

