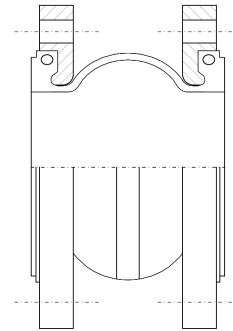


DESIGN CONDITIONS

Max. operating conditions 16 bar @ 70°C
 10 bar @ 100°C
 6 bar @ 110°C
 Test Pressure 24 Bar g.
 Design Standard DIN 4809



CONSTRUCTION MATERIALS

Inner EPDM, hot water resistant
 Reinforcement Aramid synthetic fibre
 Cover EPDM, ozone proof, warmth resistant
 Flanges Carbon steel, galvanised

UNIT IDENTIFICATION:

Red band, size & production date.

SPECIFICATION

Rubber Bellows type KRB/16/121 anti-vibration joint approved to DIN4809 (up to 200mm NB), with a minimum burst pressure of 30 bar after 10 years service. Double red band EPDM rubber single sphere pump flexible c/w Aramid synthetic fibre reinforced and galvanised flanges drilled to BS4504 PN16. Other drillings available on request.

TECHNICAL DATA

NOMINAL SIZE	MAX PRESSURE	PART NUMBER	NEUTRAL LENGTH	AXIAL COMPRESSION	AXIAL ELONGATION	LATERAL MOVEMENT	ANGULAR MOVEMENT
mm	Bar	KRB/___/16/121	mm	mm	mm	+/- mm	+/- Deg
20	16	KRB/0020/16/121	130	30	30	30	35
25	16	KRB/0025/16/121	130	30	30	30	35
32	16	KRB/0032/16/121	130	30	30	30	35
40	16	KRB/0040/16/121	130	30	30	30	35
50	16	KRB/0050/16/121	130	30	30	30	35
65	16	KRB/0065/16/121	130	30	30	30	30
80	16	KRB/0080/16/121	130	30	30	30	30
100	16	KRB/0100/16/121	130	30	30	30	25
125	16	KRB/0125/16/121	130	30	30	30	25
150	16	KRB/0150/16/121	130	30	30	30	20
200	16	KRB/0200/16/121	130	30	30	30	15
250	16	KRB/0250/16/121	130	30	30	30	10
300	16	KRB/0300/16/121	130	30	30	30	10

TYPICAL APPLICATIONS

Used as a safety compensator in heating installations according to DIN4809 standard with design temperature up to 110°C. For noise reduction, for compensation of lateral, angular movements and vibrations. This product is particularly ideal for the permanent stress found in heating installations where temperatures are continuous throughout the year, and where reliability and longevity are paramount.

GENERAL INFORMATION

This range of expansion joints is comprised of an EPDM single sphere moulded bellows having carbon steel galvanised flanges which are free to rotate around the bellows axis. This feature facilitates installation and the construction ensures that all inner surfaces that contact the flow media, are EPDM rubber. **Not suitable** for drinking water, cooling water with oil containing additives, oily compressed air or permanent effect of steam.

Recommendations contained in our literature on correct installation of rubber expansion joints should be followed. These rubber bellows will extend in length when under pressure unless adequately anchored. When operating at elevated temperatures the maximum operating pressure should be derated; refer to pressure / temperature chart. Vacuum rating is based on the unit being installed at its neutral length; the unit should not be extended on installation.

ALTERNATIVES

Where a KRB/16/121 is not suitable, please contact *Thermosel Solutions* to discuss the alternative options.