

DOUBLE RED SP BAND RUBBER BELLOWS EXPANSION JOINTS

HIGH TEMPERATURE RATING 130 °C (265 °F)
PEEK REINFORCED



The **Double Red SP** Band expansion joints are low corrugation, highly elastic rubber bellows expansion joints, characterised by high movement absorption in all directions. The low corrugation achieves low flow resistance, and the expansion joints reduce up to 70 % of the incoming energy. They are designed to specifically absorb expansion and vibration, absorb noise and to insulate sound.

The **Double Red SP** Band are constructed with high temperature corrosion resistant PEEK (or aramid) fabric for permanent use in heating installations for many years use with hot & high temperature water, cooling water, and hot air. Temperature range is -40 to **+130 °C (+265 °F)**, with brief short term rating up to **+150 °C (+300 °F)**. They meet **DIN 4809** specifications, up to 110 °C (230 °F) usage.

The **Double Red SP** Band are used in building technology, plant engineering, water & wastewater works, engine construction, shipbuilding, HVAC, and petrochemical, industrial and solar & wind energy engineering.

The **Double Red SP** Band are manufactured within the **European Union** and are equivalents to, and interchangeable with, **Elaflex-ERV Rotex** Double Red Band, **Trelleborg Teguflex C, P & W HP** Double Red Band, and **Stenflex AS, RS & VS** expansion joints.

Construction :

Liner : EPDM.

Reinforcement : *Models 46, 50, 55 & 55SO* - High Temperature PEEK [PolyEther Ether Ketone].
Model 52 - High Temperature Aramid.

Cover : EPDM, with Two Red Stripes ;
Resistant to Weather, Aging & Ozone.
Electrically Dissipative Surface Area.

Not Suitable for Potable Water, Oils or Fuels.

Ends :

Flanges are swivel (rotating) both sides, with integral rubber sealing face. Additional gaskets are not required. Standard drilling is PN10 or PN16. Other drillings to PN6, PN25, PN40, ANSI 150/300, BS10, JIS, TW, TTMA, VG, SAE3000, or special designs are also available. Standard material is Carbon Steel S235JRG2 (RSt 37-2), Zinc Plated. Also available with Hot Dipped Galvanised Carbon Steel, Stainless Steel, Aluminium, Bronze, or other materials.

Model 46 are supplied with Threaded BSPT Male or BSP Female Ends.



Model 46

Pressure Ratings :

<i>All Models :</i>	DN20 to DN200 :	16 BarG @ 70 °C	10 BarG @ 100 °C	8 BarG @ 130 °C
<i>Models 50 & 55 :</i>	DN250 :	16 BarG @ 70 °C	10 BarG @ 100 °C	8 BarG @ 130 °C
<i>Model 50 :</i>	DN300 to DN400 :	16 BarG @ 70 °C	10 BarG @ 100 °C	8 BarG @ 130 °C
<i>Model 55 :</i>	DN300 to DN400 :	10 BarG @ 70 °C	10 BarG @ 100 °C	8 BarG @ 130 °C
<i>Model 55SO :</i>	DN250 & DN300 :	10 BarG @ 70 °C	10 BarG @ 100 °C	8 BarG @ 130 °C
<i>Models 50 & 55 :</i>	DN450 to DN1000 :	10 BarG @ 70 °C	7.5 BarG @ 100 °C	6 BarG @ 130 °C

Model 52 : Check with factory.



Approvals :

Models 46, 50, 55 and 55SO meet **DIN 4809** specifications for 10 BarG @ 100 °C, and 6 BarG @ 110 °C ; and are Type Approved by *Lloyds Register of Shipping*, and *DNV* (depending on bore size).

Lengths :

Bore DN / NB		Lengths (mm)					
mm	inch	Model 50	Model 55	Model 55SO	Model 46 Female	Model 46 Male	Model 52
20	¾	130	125	160	190	214	-
25	1	130	125	160	182	214	-
32	1¼	130	125	160	190	240	150
40	1½	130	125	160	198	250	150
50	2	130	125	160	198	260	150
65	2½	130	125	160	-	-	150
80	3	130	150	160	-	-	175
100	4	130	150	160	-	-	175
125	5	130	150	160	-	-	175
150	6	130	150	160	-	-	175
200	8	130	175	160	-	-	150/200
250	10	130	175	200	-	-	150/250
300	12	130	200	300	-	-	150/165/175
350	14	200	200	-	-	-	200
400	16	200	200	-	-	-	250/300
450	18	200	250	-	-	-	250
500	20	200	-	-	-	-	250
600	24	200	-	-	-	-	250
700	28	250	260/275	-	-	-	-
800	32	250	250	-	-	-	-
900	36	300	300	-	-	-	-
1000	40	300	300	-	-	-	-

Vacuum Ratings :

Model 46 : Rated for Vacuum.

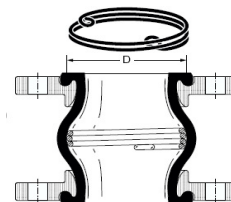
Models 50, 55, 55SO & 52 :

DN20 to DN50 - Rated for Vacuum.

DN65 to DN250 - Rated for -0.2 BarG Vacuum ;

- For higher vacuum, Internal Vacuum Ring required.

DN300 & Above - Internal Vacuum Ring required.



Other Grades :

If a high temperature rating for other media is required, then other options are available

Model **51 Yellow/Blue** for Oils & Fuels rated up to **+120 °C** ; Model **51 Lilac** for Chemicals rated up to **+150 °C**.

Model **52 White/Blue & Double White/Orange** - Food Grade approved & rated up to **+130 °C**.

Model **39 Lilac** rated up to **+180 °C**.

Distributor :

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