

## Rubber expansion joint, type ERV-R

### Applications:

Rotring rubber expansion joints in high-tech design for water, drinking water (approval DVGW W 270 as well as ACS, conform to FDA), cold and warm waste water, seawater, cooling water, also with chemical additives for water treatment, low concentrated acids and alkalis, salt solutions, technical alcohols, esters and ketones. Temperature (depending on the medium) range -40°C up to +100°C, temporarily up to 120°C. For high vacuum a vacuum support ring must be used. Electrically dissipative. Not suitable for all kinds of mineral oil products, cooling water with added oil containing corrosion preventatives, oily compressor air.

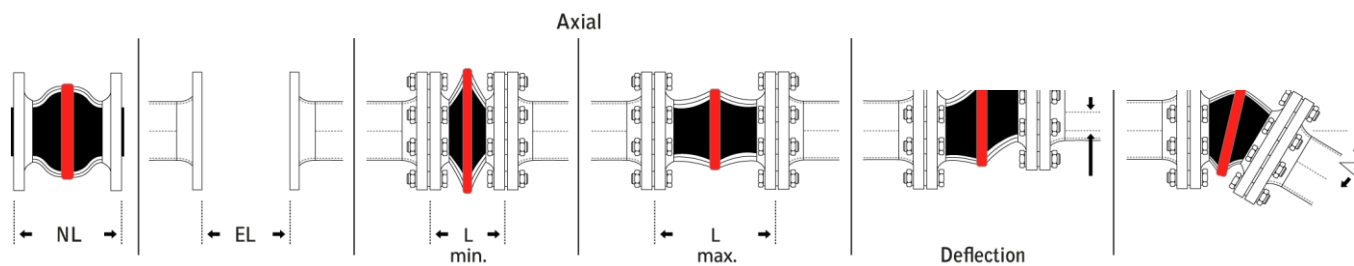


### Technical description:

Liner : Butyl (IIR)/EPDM, seamless, low permeation  
 Reinforcement : PA textile cord, Butyl rubberized  
 Cover : EPDM, ozone proof, heat resistant  
 Marking : Red band, ERV DN .., PN.., production date

### Connections:

Swivelling, PN 10/16, carbon steel, zinc plated. Other flange standards and materials on request. For rubber expansion joints DN25, bellows DN32 are used.



| NL<br>Neutral length | DN        | EL<br>min. | EL<br>max. | L<br>min. | L<br>max. | Lateral<br>deflection | Angular | Max.<br>pressure<br>@50°C/bar | Max.<br>pressure<br>@100°C/bar |
|----------------------|-----------|------------|------------|-----------|-----------|-----------------------|---------|-------------------------------|--------------------------------|
| mm                   | mm        | mm         | mm         | mm        | mm        | mm                    | °       |                               |                                |
| 130                  | 25-80     | 120        | 135        | 100       | 150       | ± 30                  | ±30     | 16                            | 10                             |
| 130                  | 100-150   | 120        | 135        | 100       | 150       | ± 30                  | ±20     | 16                            | 10                             |
| 130                  | 200       | 115        | 140        | 105       | 160       | ± 30                  | ±10     | 16                            | 10                             |
| 130                  | 250-300   | 125        | 140        | 120       | 160       | ± 15                  | ±5      | 16                            | 10                             |
| 150                  | 50-200    | 140        | 160        | 115       | 180       | ± 30                  | ±15     | 16                            | 10                             |
| 160                  | 32-200    | 150        | 170        | 130       | 195       | ± 35                  | ±15     | 16                            | 10                             |
| 175                  | 200       | 165        | 185        | 160       | 210       | ± 15                  | ±5      | 16                            | 10                             |
| 175                  | 250       | 165        | 185        | 160       | 210       | ± 10                  | ±5      | 16                            | 10                             |
| 200                  | 250-300   | 190        | 210        | 160       | 235       | ± 30                  | ±10     | 10                            | 6                              |
| 200                  | 350-600   | 190        | 210        | 160       | 235       | ± 30                  | ±8      | 10                            | 6                              |
| 250                  | 450       | 240        | 260        | 210       | 285       | ± 35                  | ±10     | 10                            | 6                              |
| 250                  | 800       | 240        | 260        | 210       | 285       | ± 35                  | ±5      | 10                            | 6                              |
| 260                  | 700       | 250        | 270        | 220       | 290       | ± 30                  | ±5      | 10                            | 6                              |
| 300                  | 900- 1000 | 290        | 310        | 260       | 340       | ± 40                  | ±5      | 10                            | 6                              |

For combined movements, consult Amniflex BV

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