

## RUBBER EXPANSION JOINTS

Rubber expansion joints can absorb vibration, noise and elongation in the pipeline. Due to its soft structure, it can absorb all type of movements. It prevents thermal elongation and protects the pipeline from water hammer. There is no need any additional gasket due to rubber material and it is very easy to install with floating flanges. Rubber expansion joints are used up to 16 bar due to metal wire reinforcement.

**Connection:**

Floating Flange

**Material:**

Special Rubber

**Nominal Sizes:**

DN 32(1 1/4") - DN 600 (24")

**Working Pressure:**

Max. 16 bar. Working pressure depends on nominal size ad working temperature.

**Working Temperature:**

- 10 °C to 90°C.

**Applications:**

Applications

Pumps

Fans

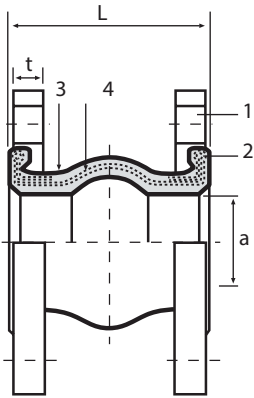
Chillers

Air Compressors

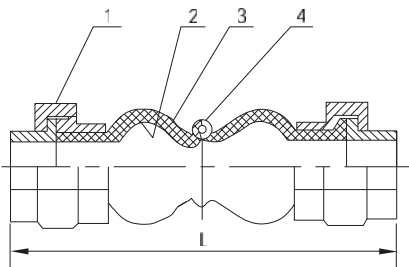
Marine Application

Iron And Steel Factories

Chemical Applications



| HLS-KK-S     | DIMENSIONS |        | MOVEMENTS    |                |                 |         |
|--------------|------------|--------|--------------|----------------|-----------------|---------|
| Nominal Dia  | a (mm)     | L (mm) | Lateral (mm) | Expansion (mm) | Compension (mm) | Angular |
| 32 mm (1¼")  | 40         | 95     | 10           | 10             | 10              | 150     |
| 40 mm (1½")  | 40         | 95     | 10           | 10             | 10              | 150     |
| 50 mm (2")   | 50         | 105    | 10           | 10             | 10              | 150     |
| 65 mm (2½")  | 65         | 115    | 11           | 10             | 10              | 150     |
| 80 mm (3")   | 75         | 135    | 12           | 10             | 10              | 150     |
| 100 mm (4")  | 100        | 150    | 13           | 10             | 19              | 150     |
| 125 mm (5")  | 125        | 165    | 14           | 12             | 20              | 150     |
| 150 mm (6")  | 150        | 180    | 22           | 16             | 25              | 150     |
| 200 mm (8")  | 200        | 210    | 22           | 16             | 25              | 150     |
| 250 mm (10") | 250        | 230    | 22           | 16             | 25              | 150     |
| 300 mm (12") | 300        | 245    | 22           | 16             | 25              | 150     |
| 350 mm (14") | 350        | 255    | 22           | 16             | 25              | 150     |
| 400 mm (16") | 400        | 255    | 22           | 16             | 25              | 150     |
| 450 mm (18") | 450        | 255    | 22           | 16             | 25              | 150     |
| 500 mm (20") | 500        | 255    | 22           | 16             | 25              | 150     |
| 600 mm (24") | 600        | 260    | 22           | 16             | 25              | 150     |



## MATERIAL LIST

### Specifications

**Joint:**  
**Bellow**  
**Steel Wire:**  
**Steel Wire:**

Malleable Iron  
EPDM  
Stainless Steel  
Carbon Steel

| HLS-KK-D |     | Dimensions |            |           |         |       |
|----------|-----|------------|------------|-----------|---------|-------|
| Size     |     | L          | Compension | Expansion | Lateral | Axial |
| In.      | mm. | mm.        | mm.        | mm.       | mm.     | mm.   |
| 3/4      | 20  | 200        | 5~6        | 22        | 22      | 15    |
| 1        | 25  | 200        | 5~6        | 22        | 22      | 15    |
| 1 1/4    | 32  | 225        | 5~6        | 22        | 22      | 15    |
| 1 1/2    | 40  | 225        | 5~6        | 22        | 22      | 15    |
| 2        | 50  | 225        | 5~6        | 22        | 22      | 15    |
| 2 1/2    | 65  | 245        | 5~6        | 22        | 22      | 15    |
| 3        | 80  | 285        | 5~6        | 22        | 22      | 15    |