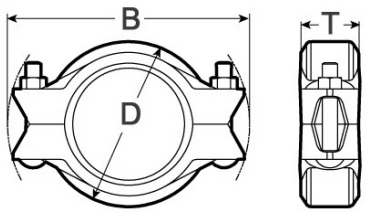
flexible coupling

installation-ready

Victaulic® Typ 177N

zkratka označení: 177N*




technický list výrobku

| D1 | DW | PN | B | D | T | c | kg |
|---|---|---|---|---|---|---|---|
| 60,3 | EPDM (EHP) | 69 | 162 | 95 | 54 | orange | 1,500 |
| 60,3 | EPDM (EHP) | 69 | 162 | 95 | 54 | verzinkt | 1,500 |
| 60,3 | Nitril (T) | 69 | 162 | 95 | 54 | orange | 1,500 |
| 60,3 | Nitril (T) | 69 | 162 | 95 | 54 | verzinkt | 1,500 |
| 76,1 | EPDM (EHP) | 69 | 176 | 111 | 54 | orange | 1,800 |
| 76,1 | EPDM (EHP) | 69 | 176 | 111 | 54 | verzinkt | 1,800 |
| 76,1 | Nitril (T) | 69 | 176 | 111 | 54 | orange | 1,800 |
| 76,1 | Nitril (T) | 69 | 176 | 111 | 54 | verzinkt | 1,800 |
| 88,9 | EPDM (EHP) | 69 | 191 | 127 | 54 | orange | 2,000 |
| 88,9 | EPDM (EHP) | 69 | 191 | 127 | 54 | verzinkt | 2,000 |
| 88,9 | Nitril (T) | 69 | 191 | 127 | 54 | orange | 2,000 |
| 88,9 | Nitril (T) | 69 | 191 | 127 | 54 | verzinkt | 2,000 |
| 114,3 | EPDM (EHP) | 69 | 241 | 162 | 60 | orange | 3,400 |
| 114,3 | EPDM (EHP) | 69 | 241 | 162 | 60 | verzinkt | 3,400 |
| 114,3 | Nitril (T) | 69 | 241 | 162 | 60 | orange | 3,400 |
| 114,3 | Nitril (T) | 69 | 241 | 162 | 60 | verzinkt | 3,400 |
| 139,7 | EPDM (EHP) | 69 | 286 | 178 | 57 | orange | 4,400 |
| 139,7 | EPDM (EHP) | 69 | 286 | 178 | 57 | verzinkt | 4,400 |
| 139,7 | Nitril (T) | 69 | 286 | 178 | 57 | orange | 4,400 |
| 139,7 | Nitril (T) | 69 | 286 | 178 | 57 | verzinkt | 4,400 |
| 168,3 | EPDM (EHP) | 69 | 311 | 219 | 60 | orange | 5,800 |
| 168,3 | EPDM (EHP) | 69 | 311 | 219 | 60 | verzinkt | 5,800 |
| 168,3 | Nitril (T) | 69 | 311 | 219 | 60 | orange | 5,800 |
| 168,3 | Nitril (T) | 69 | 311 | 219 | 60 | verzinkt | 5,800 |
| 219,1 | EPDM (EHP) | 55 | 384 | 254 | 60 | orange | 9,400 |
| 219,1 | EPDM (EHP) | 55 | 384 | 254 | 60 | verzinkt | 9,400 |
| 219,1 | Nitril (T) | 55 | 384 | 254 | 60 | orange | 9,400 |
| 219,1 | Nitril (T) | 55 | 384 | 254 | 60 | verzinkt | 9,400 |

dostupné jakosti: ST lack.

Systémy › Victaulic › Standard Nutsystem › trubkové spojky › Litina › Flex, Typ 177N

**QuickVic™ flexible coupling**

Victaulic®  Typ 177N

This type of coupling ensures a flexible pipe connection that is so designed that a certain degree of linear and/or angular movements can be compensated for.

The connection (Installation-Ready™ technology) can be provided without removing the screws, nuts, seals and housing. It is merely the case that a lubricant has to be applied to the sealing lip before the coupling is pushed onto a pipe that has been grooved on the basis of a Vitaulic specification.

## Dimension range

DN 50/ 60,3 mm  - DN 200/ 219,1 mm

## Pipe preparation

Milled or roller grooved (conform with Victaulic standard groove specifications)

## Maximum operating pressure

For pressures created by a full vacuum (29.9 in Hg/760 mm Hg) of max. 69 bar

The operating pressure depends on the material, the wall thickness and the size of the pipe

## MATERIAL SPECIFICATION

### Housing:

- spheroidal graphite cast iron acc. to ASTM A536, category 65-45-12.
- Standard: orange painted
- Optional: hot galvanized

### lock screws / hexagon head nut

- Standard: electrolytic galvanized plain carbon steel
- Optinal: stainless steel 316

## SEALING SPECIFICATION

### Classe „EHP"

- EHP (Colour-Code red and green striped).
- Temperature range -34ºC to +121ºC/-30ºF to +250ºF.
- Can be specified for hot water applications within the stipulated temperature range and for a number o diluted acids, oil-free air and numerous chemical applications.
- UL approval pursuant to ANSI/NSF 61 for cold +23°C/+73°F and hot +82°C/+180°F drinking water pipes an conform with ANSI/NSF 372.
- NOT RECOMMENDED FOR CRUDE OIL.

### Class „T" Nitrile

- Colour code orange
- Temperature range –29 °C to +82 °C/–20 °F to +180 °F.
- Can be specified for crude oil products, air with oil vapours and vegetable and mineral oils within the stated temperature range.
- Not compatible with hot water applications exceeding +66°C/+150°F or forhot and dry air exceeding +60°C/+140°F.

## Permissible pipe end clearances

| Outer pipe-Ø | max. |
|---|---|
| 60,3 - 88,9 | 6,4 |
| 108,0 - 168,3 | 9,5 |

all specifications in mm

Implementation and installation – linear movement and angular deflection

The data in the table below state the linear movements and the angular deflection at the connections to each of the couplers. These mechanical properties of a flexible coupler can be used for the implementation of a pipeline system in order to do justice to bends within the pipeline system, a settlement of buildings, seismic movements or expansions or contractions in the pipelines that are caused by cold or heat.

The linear movement can be used in order to do justice to heat or cold-related expansions or contractions that affect the pipes. When used in this manner, shear anchors are to be installed at changes of direction, at the end of straight pipe sections or in order to separate longer pipe sections to form smaller sections and in order to reduce movements at branch connections. Please refer to the Victaulic datasheet 26.02 for detailed information with regard to the determination of the shear anchor positions or guides.

The angular deflection of the connection can also be used in order to do justice to the axial changing with a controlled angular deflection of offsets at existing changes of the pipe direction along the length of the pipeline that results from the heat-related or cold-related expansions or contractions of the pipeline.

| Size | Linear motion | max. elbow | Pipe gradient (mm/m) |
|---|---|---|---|
| DN 50/ 60,3 | 2,3 mm | 2,17° | 38,1 mm |
| DN 65/ 76,1 | 2,3 mm | 1,72° | 30,2 mm |
| DN 80/ 88,9 | 2,3 mm | 1,47° | 25,9 mm |
| DN 100/114,3 | 4,6 mm | 2,29° | 40,3 mm |
| DN 125/139,7 | 4,6 mm | 1,88° | 32,9 mm |
| DN 150/168,3 | 4,6 mm | 1,56° | 27,3 mm |
| DN 200/219,1 | 4,6 mm | 1,2° | 21,0 mm |