## STENFLEX TYPE SF

### EPSF-20

Lateral compensator DN 32 – DN 500

![EPSF-20 Lateral compensator](image)

#### Specification
- Engineered Products & Solutions steel compensator EPSF-20
- Vacuum-proof, short-length lateral compensator, consisting of a stainless steel bellows and rotating flanges
- Rotating flanges with tie rods to absorb reaction force

#### Steel bellows PN10 / PN16
- Multiple convolution bellows in various stainless steel grades
- One ply or multi-ply structure

#### Materials
- Stainless Steel
- Heat Resistant Steel

### Material Grades

<table>
<thead>
<tr>
<th>Material Grades*</th>
<th>Material number as per DIN EN</th>
<th>Temperature</th>
<th>Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stainless steel</td>
<td>1.4541</td>
<td>-196 °C up to +550 °C</td>
<td>Low temperature, acids, lyes, gases, fertilizers</td>
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<td></td>
<td>1.4404, 1.4571</td>
<td>+550 °C</td>
<td>Media containing chloride, oil, soap, drinking water, food stuff, petrol</td>
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<td>Heat resistant</td>
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<td>steel</td>
<td>1.4878</td>
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### Flanges
- Rotating flanges
- Flange drilling for through bolts

### Dimensions
- Standard: DN 32 - DN 500 (PN 10)
- DN 32 - DN 500 (PN 16) according to EN 1092
- Others: DIN EN, ANSI, BS etc.
- Connection dimensions see technical annex

### Materials
- Standard: 1.0038 (S235JR), 1.4541

#### Corrosion protection
- Standard: DN 32 - DN 250 electrogalvanized,
- DN 300 - DN 500 anti-corrosion primed
- Others: hot-dip galvanized, special varnish, special coating, etc.

### Tie rod restraints
- Outer restraints carried on spherical washers/conical seats

#### Materials
- Standard: tie rods 8.8

#### Corrosion protection
- Standard: electrogalvanized
- Others: hot-dip galvanized

### Applications
- For compensating lateral movement
- For reducing tension, damping noise and oscillation in pipes and their system components, e.g.,
  - Pumps
  - Motors
  - Machines
- For installation in:
  - industrial applications
  - Gas and water supply
  - Exhaust systems
  - Heating installations
  - Drinking water systems
- To compensate for installation inaccuracies

### Special designs
- Other sizes (DN), lengths or pressure ratings on request.

### Accessories
- Internal guide sleeve
- Protective tube
- Gas sealings for DVGW-application

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Visit [www.epands.com](http://www.epands.com)  
Call [01952 680213](tel:01952 680213)
EPSF-20 Pressure rate PN16 standard program

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<th>DN</th>
<th>BL (mm)</th>
<th>BL (mm)</th>
<th>N/mm</th>
<th>N/bar</th>
<th>ø mm</th>
<th>EN 1092</th>
<th>ø mm</th>
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