The coupling allows to establish a connection by simply fitting both coupling parts into each other. Before load relieving of the coupling seats the pressure- and vacuum tight coupling is sealed inside with an O-ring during the coupling process. The coupling is forced to be open in coupled position. If both coupling sides are separated again the sealing seats shut off automatically.

All couplings are temperature-resistant from -40 °C to +80 °C. In special version these couplings are also available for a temperature range of -60 °C to +80 °C.

The suitable connecting parts for DILO couplings must be ordered separately.

### DILO couplings DN20
- **VK/A-02/20** Coupling groove part / A PN64 DN20 56
- **VK/B(G)-03/20** Coupling groove part PN64 DN20 with O-ring 57
- **VK/FL-01/20** Flange coupling PN64 DN20 58
- **3-777-R001** Flange coupling PN64 DN20 with 2-hole flange 59
- **3-685-R001** Flange coupling PN64 DN20 60
- **VK/KN-04/20** Covering cap for coupling groove part PN64 DN20 61
- **VK/F-02/20** Coupling tongue part PN64 DN20 62
- **3-1121-R003** DN20 Quick coupling 63
- **6-1161-R012** Coupling tongue part PN64 DN20 with connecting coupling for measuring device 64
- **6-1206-R001** Coupling tongue part 65
- **6-1092-R006** Coupling tongue part 66
- **6-1281-R001** Coupling tongue part with air filter 67
- **SK-282-R020** Gauge connecting coupling PN64 DN20 68
A PN64 DN20

Coupling groove part

<table>
<thead>
<tr>
<th>Order No.</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>VK/A-02/20 T</td>
<td>AL</td>
</tr>
<tr>
<td>VK/A-02/20 P</td>
<td>Brass</td>
</tr>
<tr>
<td>VK/A-02/20 E</td>
<td>Stainless steel</td>
</tr>
</tbody>
</table>

Order No. Material

SK-282-R001
VK/F-02/20
VK/KN-04/20
PN64 DN20

Coupling groove part with O-ring

In special version the screw-in thread can also be supplied with sealing edge according to DIN 3852-1 and DIN EN ISO 1179.
PN64 DN20
Flange coupling

Order No. | Material
---|---
VK/FL-01/20 T | AL
VK/FL-01/20 E | Stainless steel

Spare O-ring
Order No. 05-0057-R030

Suitable connecting parts
- SK-282-R001
- VK/F-02/20
- VK/KN-04/20

Other flanges are available on request.
PN64 DN20
Flange coupling with 2-hole flange

Order No.: 3-777-R001 T
Material: AL

Suitable connecting parts
SK-282-R001
VK/F-02/20
VK/KN-04/20

Spare O-ring
Order No. 05-0057-R098

Other flanges are available on request.
PN64 DN20

Flange coupling

Order No.: 3-685-R001 T
Material: AL

Spare O-ring
Order No. 05-0057-R116

Other flanges are available on request.
**PN64 DN20**

Covering cap for coupling groove part

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### Order No. 

<table>
<thead>
<tr>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>VK/KN-04/20 T</td>
</tr>
<tr>
<td>VK/KN-04/20 E</td>
</tr>
<tr>
<td>VK/KN-04/20 PA</td>
</tr>
</tbody>
</table>

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Spare O-ring 
Order No. 05-0057-R116

---

Suitable connecting parts

- 3-777-R001
- VK/FL-01/20
- 3-685-R001
- VK/A-02/20
- VK/B-03/20
- VK/BG-03/20
**PN64 DN20**

**Coupling tongue part**

<table>
<thead>
<tr>
<th>Order No.</th>
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</thead>
<tbody>
<tr>
<td>VK/F-02/20 T</td>
<td>AL</td>
</tr>
<tr>
<td>VK/F-02/20 E</td>
<td>Stainless steel</td>
</tr>
<tr>
<td>VK/F-02/20 P</td>
<td>Brass</td>
</tr>
</tbody>
</table>

**Suitable connecting parts**

- Order No. Material
  - VK/F-02/20 T AL
  - VK/F-02/20 E Stainless steel
  - VK/F-02/20 P Brass

**Spare O-ring**

Order No. 05-0057-R010

**Suitable connecting parts**

- 3-777-R001
- VK/FL-01/20
- 3-685-R001
- VK/A-02/20
- VK/B-03/20
- VK/BG-03/20
3-1121-R003

DN20 Quick coupling

For easy coupling and uncoupling of hoses
The quick coupling is very useful in all fields of application where hoses have to be frequently loosened and reconnected e.g. during final tests of completely mounted GIS fields. Thanks to the clamp lock the DN20 hoses can easily be connected without any loss of SF₆ gas. Thus the handling times in GIS production are shortened and productivity is increased considerably.

Important note:
The quick coupling is only compatible with DILO coupling groove parts of version 2 (additional “V2” stamp on the flange or wrench size).

Mount for safe fixation on the wall and as dust protection
Article-No. 3-1121-R093

Please see our product video!

Suitable connecting parts

- SM...
- GS...

Closed coupling

- 3-777-R...
- VK/FL-01/20
- 3-685-R...
- VK/A-02/20
- VK/B-03/20
- VK/BG-03/20
- SK-507-R...

Open coupling
**PN64 DN20**

**Coupling tongue part**
with connecting coupling for measuring device

**Order No.:** 6-1161-R012

**Material:** Brass

---

**Suitable connecting parts**

- hose for measuring device

**Suitable connecting parts**

- 3-777-R001
- VK/FL-01/20
- 3-685-R001
- VK/A-02/20
- VK/B-03/20
- VK/BG-03/20
PN64 DN20 / DN8
Coupling tongue part

Order No.: 6-1206-R001
Material: Brass
PN64 DN20 / DN8
Transition piece with connecting coupling for measuring device

Order No.: 6-1092-R006
Material: Brass

Suitable connecting parts:
- SK-372-R...
- VK/F-02/8
- VK/KN-04/8

Suitable connecting parts:
- SK-282-R001
- VK/F-02/20
- VK/KN-04/20
**Description**

This coupling tongue part allows gas compartments which are under vacuum to be flooded with air after the SF₆ gas recovery and it is not necessary to use any service cart. The integrated 100-µm filter sieve prevents dirt particles from ambient air penetrating the gas compartment during the flooding process.
**Description**

The gauge connecting coupling serves as connecting piece to a coupling groove part DN20. When coupling, a pin in the gauge connecting coupling opens the flow of the opposite coupling groove part (forced opening). This allows to read the present operating pressure on the screwed-in gauge. When disconnecting, the conical nipple of the groove part is closed by spring load (pressure and vacuum tight). If the gauge connecting coupling is not connected the gauge shows „zero pressure“. The connecting coupling allows to install the gauge in any required position (rotatable 360°).

### Order No. Material

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>SK-282-R020 T</td>
<td>AL</td>
</tr>
<tr>
<td>SK-282-R020 P</td>
<td>Brass</td>
</tr>
</tbody>
</table>

**Suitable connecting parts**

- Gauge with connecting thread G ½ A
- Spare O-ring Order No. 05-0057-R225
- Spare O-ring Order No. 05-0057-R010

**Spare O-ring**

- Order No. 05-0057-R225
- Order No. 05-0057-R010