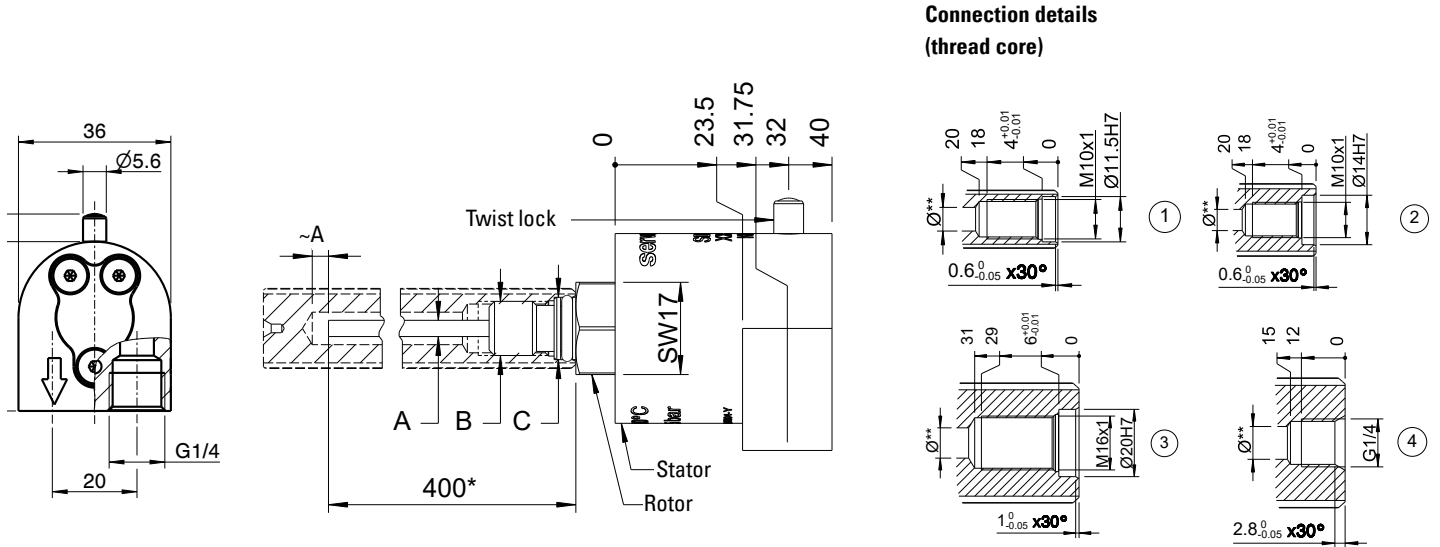




# **servomold®** **COMPACT ROTARY COOLING** **WITH MECHANICAL SEAL**

Fully integrated cooling solution  
Small and compact design  
Temperatures up to 90 °C – pressure up to 5 bar  
Variable cooling pipe diameters from 2 to 10 mm possible  
Different connection options available

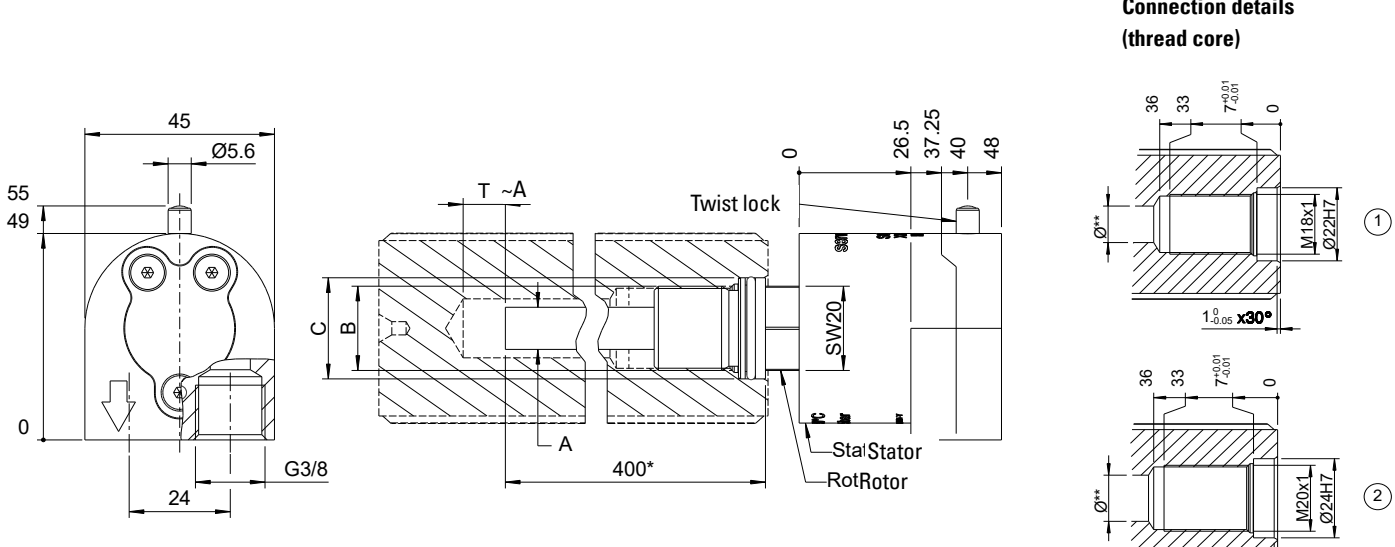
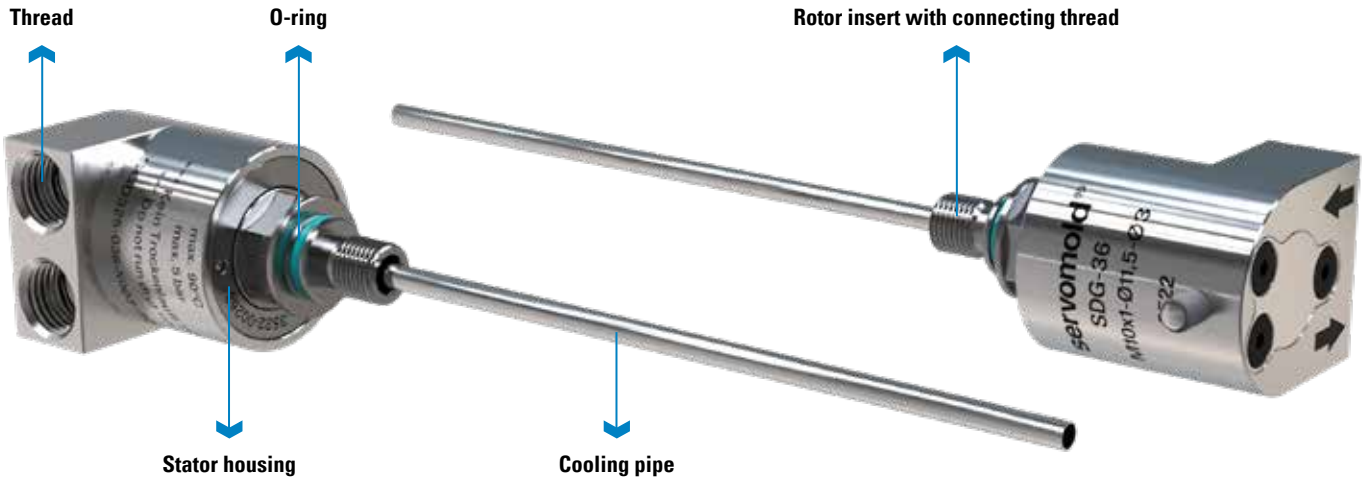
**SDG**  
**FOR ROTATING CORES**



\*Standard length, special length on request.  
\*\*Select diameter for optimum flow depending on cooling tube diameter.

|                              |   | ① SDG-36<br>M10x1-Ø11,5-A        | ② SDG-36<br>M10x1-Ø14- A       | ③ SDG-36<br>M16x1-Ø20-A        | ④ SDG-36<br>G1/4"-A |
|------------------------------|---|----------------------------------|--------------------------------|--------------------------------|---------------------|
| Connection detail            | C | radial<br>sealing<br>Ø11,5 H7/g6 | radial<br>sealing<br>Ø14 H7/g6 | radial<br>sealing<br>Ø20 H7/g6 | axial<br>sealing    |
| Standard pipe Ø (mm)         | A | Ø3                               | Ø3/Ø4                          | Ø3/Ø4/Ø6                       | Ø3/Ø4/Ø6            |
| Special pipe Ø (mm)          | A | > Ø 2 <= Ø 3                     | > Ø 2 <= Ø 4                   | > Ø 2 <= Ø 6                   | > Ø 2 <= Ø 6        |
| Thread rotor                 | B | M 10x1                           | M 10x1                         | M 16x1                         | G 1/4"              |
| Ø O-ring rotor               | - | Ø8x2                             | Ø10,5x2                        | Ø16x2                          | Ø11x1,8             |
| Use in Servomold system size | - | 35                               | 40/45                          | 50/60                          | 50/60               |

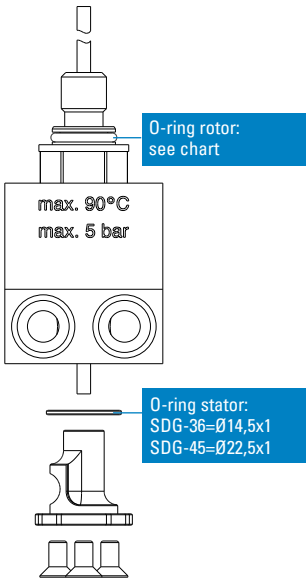
Sample order no.: SDG-36-M16x1-20-6 (system size-thread-connection detail-pipe diameter)



\*Standard length, special length on request.  
\*\*Select diameter for optimum flow depending on cooling tube diameter.

|                              |   | ① SDG-45<br>M18x1-Ø22-A        | ② SDG-45<br>M20x1-Ø24-A        |
|------------------------------|---|--------------------------------|--------------------------------|
| Connection detail            | C | radial<br>sealing<br>Ø22 H7/g6 | radial<br>sealing<br>Ø24 H7/g6 |
| Standard pipe Ø (mm)         | A | Ø6/Ø8                          | Ø6/Ø8/Ø10                      |
| Special pipe Ø (mm)          | A | > Ø6 <= Ø8                     | > Ø6 <= Ø10                    |
| Thread rotor                 | B | M 18x1                         | M 20x1                         |
| Ø O-ring rotor               | - | Ø18x2                          | Ø20x2                          |
| Use in Servomold system size | - | >=70                           | >=70                           |

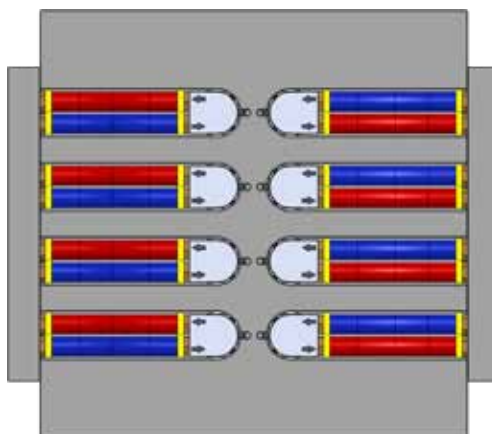
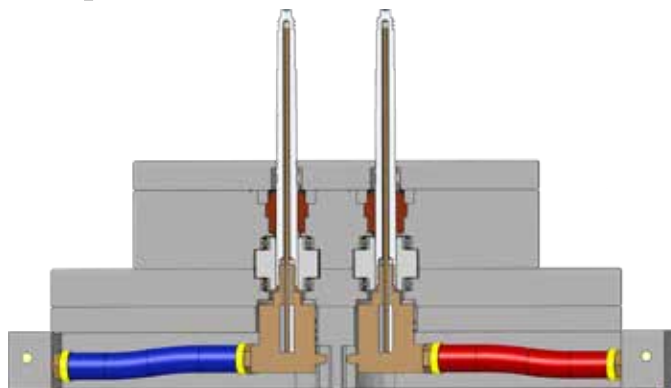
Sample order no.: SDG-45-M18x1-22-8 (system size-thread-connection detail-pipe diameter)



| Environmental conditions |            |
|--------------------------|------------|
| Coolant                  | water      |
| Coolant temperature      | max. 90 °C |
| Pressure                 | max. 5 bar |

- ⚠ Do not run dry!
- ⚠ Please make sure to use clean, filtrated water!
- ⚠ Check o-ring regularly!
- ⚠ Rotor tightening torque 10 Nm!
- ⚠ Use medium-strength threadlocker for rotor!

# Installation Example



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