Pipe Clamps and Accessories

Products

Connection options to pipe clamps with Triple-Thread Connector NT 3G (M16, M10, M8) 4.2
Connection options to pipe clamps with Triple-Thread Connector NT 3G (3/8", M12, M10) 4.3
Connection options to pipe clamps with Triple-Thread Connector NT 3G (1/2", M16, M12) 4.4
Connection options to Stabil D Pipe Clamps (from 218mm onwards); Sound Absorption Lining 4.5
Connection options to Stabil D-3G : Suspension 4.6
Ratio S-K for plastic pipes 4.7
Chilled Water Clamp SKS Top-2C 4.8
Chilled Water Clamp LKS 4.9
Installation of Pipe Loops 4.10
Installation Guidelines for the Use of U Bolt RUB and U Clamp RUCI 4.11
Products

- **Stabil D**
- **Stabil D-3G**
- **Stabil D-3G w/ Lining**
- **Multi-Thread Connector NT 3G**
- **Stabil D-M16**
- **Stabil D-M16 w/ Lining**
- **Ratio S**
- **Ratio S-K**
- **Ratio LS**
- **Duo Clamp SRS**
- **Ratio S M8**

Pipe Clamps and Accessories

- SBR/EPDM
- Silicone
Pipe Clamps and Accessories

**Products**

- Stabil Type C
- Chilled Water Clamp SKS Top-2C
- Chilled Water Clamp LKS
- Chilled Water Clamp KSH
- Chilled Water Clamp KSM
- Pipe Loop RSL N
- U-Bolt RUB
- U-Clamp RUC
- Adapter AD f/f
Connection options to pipe clamps with Triple-Thread Connector NT 3G (M16, M10, M8)

Each Triple Thread NT 3G has 1 external and 2 internal threads, offering multiple connection options.

Some Connecting Nuts are equipped with flats (width across flats 13 mm) for easy adjustment of the clamp using a spanner.

<table>
<thead>
<tr>
<th>Types for small diameters</th>
<th>Multi-Thread Connector NT 3G for all types mentioned below</th>
</tr>
</thead>
</table>
| Stabil D-3G up to 1/2" with Lining up to 3/4" wo. Lining | M16  
M10  
M8  |

Each Triple Thread NT 3G has 1 external and 2 internal threads, offering multiple connection options.

Some Connecting Nuts are equipped with flats (width across flats 13 mm) for easy adjustment of the clamp using a spanner.

- **Stabil D-3G (up to 2")**
  - Size range: 15 - 72 mm

- **Ratio S (up to 6")**
  - Size range: 38 - 170 mm
  - Types: 2G (M8 / M10) for sizes 12 - 35 mm

- **Ratio S-K**
  - Types: 40, ..., 160 mm
  - 2G (M8 / M10) for sizes 16, ..., 32 mm

- **Stabil D-3G; w/ Lining; w/ Silicone Lining (up to 2")**
  - Size range: 14 - 65 mm

- **Ratio S-K**
  - Types: 40, ..., 160 mm
  - 2G (M8 / M10) for sizes 16, ..., 32 mm

- **Chilled Water Clamp SKS Top-2C**
  - Types: 17, ..., 89 mm

- **Bonded rubber lining**

---

4.2
Connection options to pipe clamps with Triple-Thread Connector NT 3G (3/8", M12, M10)

The Multi-Thread Connector NT 3G is form closed and welded from the inside reducing the risks caused by vibration.

Pipe Clamps and Accessories

- **Stabil D-3G; w/ Lining; w/ Silicone Lining (2 1/2" - 4")**
  - size range 67 - 115 mm

- **Stabil D-3G (2 1/2" - 4")**
  - size range 76 - 129 mm

- **Threaded Rod GST M16 with Adapter 3/8" / M16**

- **Threaded Rod GST M12 or M10**

- **Sikla Threaded Tube GR 1/2 with Adapter 1/2" / 3/8"**

- **Sikla Threaded Tube GR 3/4 with Adapter 3/4" / 3/8"**

- **Threaded Rod GST M16 with Adapter 3/8" / M16**

- **Sikla Threaded Tube GR 1 with Adapter 1" / 3/8"**

- **Bolt Screw BSCR M10**
Connection options to pipe clamps with Triple-Thread Connector NT 3G (1/2", M16, M12)

In public areas and industrial plants, especially for bigger pipe diameters the Stabil series should be used.

- Stabil D-3G (5" - 10")
  - size range 133 - 316 mm

A modified version of the Stabil D-3G is the basis of the Chilled Water Clamp SKS Top-2C types 219, ..., 324 mm

- Stabil D-3G; w/ Lining; w/ Silicone Lining (5" - 10")
  - size range 124 - 318 mm
Connection options to Stabil D Pipe Clamps (from 218mm onwards); Sound Absorption Lining

Stabil D-M16

Available with an alternative welded-on thread connector:
- Hexagon Nut NT M20
- Socket 1/2"
- Socket 3/4"
- Socket 1"

M16 size range 218 - 521 mm

M16 size range 315 - 521 mm

Sound Absorption Lining for Pipe Clamps

<table>
<thead>
<tr>
<th>Material</th>
<th>Colour</th>
<th>Temperature range [°C]</th>
<th>Suitable for pipes made from</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Steel</td>
<td>VA</td>
</tr>
<tr>
<td>SBR / EPDM</td>
<td>black</td>
<td>-50</td>
<td>+110</td>
</tr>
<tr>
<td>SBR / EPDM</td>
<td>beige</td>
<td>-50</td>
<td>+110</td>
</tr>
<tr>
<td>Silicone 2) 3)</td>
<td>red</td>
<td>-60</td>
<td>+200 temporary +300</td>
</tr>
<tr>
<td>Ceramic Fibre Tape, self-adhesive</td>
<td>white</td>
<td>+500</td>
<td>●</td>
</tr>
</tbody>
</table>

1) not suitable for PVC / suitable for PE, PP, PB.
2) not permitted in certain areas (e.g. paint shops in the automotive industry)
3) approved by VdS.

Note:
DIN 4102 Sikla Sound Absorption Lining SBR/ EPDM and Silicone belongs to fire classification B2.

● suitable
● partially suitable
● not suitable
Connection options to Stabil D-3G: Suspension

Lock the Multi-Thread Connector NT 3G using an Adapter (e.g. 1/2” / M16)

Sikla Threaded Tube (e.g. G1/2)

Multi-Thread Connector NT 3G

Exception: for size range up to 3/4” (with sound absorption lining up to 1/2”) use Countersink Screw SCR M8 x 20

Direct connection with Adapter M16/M16

Caution!

- This arrangement is only permissible when the pipes connected do not expand in alternate directions.

Extract from DIN 1988, Part 2:
“Pipes shouldn’t be attached to other pipes and must not be used as beam for other pipes.”

Correct: a second pipe may be suspended to a pipe clamp which has been fixed to the building structure.

Wrong: a pipe should not be suspended from another pipe.
Ratio S-K for plastic pipes

Two-piece Pipe Clamp with spacers and sound absorption lining for smooth, noiseless sliding of plastic pipes.

Note:
- In order to cater for frictional forces, Ratio S-K clamps have to be fixed in short distance to the building structure or to a solid base.

The form-fitted rubber profile is stucked in the clamp. This alleviates the installation of pipes and secures the sliding.

The compound of the rubber prevents diffusion of plasticisers into the plastic pipe.

Adjust the clamp using a spanner (13 mm).

Spacers guarantee that, when clamp assembled, the plastic pipe is guided and slides securely and with minimum tolerance.

Single point fixation for supply and return

Twin Holder DHP

Stud Bolt BOL M8

Adjust the clamp using a spanner (13 mm).

Spacers guarantee that, when clamp assembled, the plastic pipe is guided and slides securely and with minimum tolerance.
Chilled Water Clamp SKS Top-2C

Used for chilled water pipes and refrigeration pipework installations. In these cases, the installation of metal pipe clamps directly to the pipe walls is not permitted.

- The insulation of the chilled water clamp (two-part foam technique) prevents cold bridging with the pipe wall and thereby also avoids corrosion.
- The insulation insert made up of PUR (polyurethane foam sp. gr. 250kg/m³) is securely bonded to the clamp.
- No sealant is required. The surface of the chilled water remains clean and permits a diffusion-resistant insulation against the pipe wall.
- Secure adhesion by means of the insulation insert lining (synthetic rubber) according to test of FIW Munich.
- PUR foam ensure a reliable compensation of pipe dia. tolerances and a first class sound absorption with an insert loss up to 25dB(A).

Note:
- Pipes containing chilled fluids contract when operational, therefore movement must be allowed for in the pipe support.
Chilled Water Clamp LKS

Configuration and characteristics
Insulation element consists of 2 form-joined layers of PUR coated with a black PVC foil, complete with pipe clamp. The insulation insert is already bonded into the pipe clamp thus removing the need to assemble on site.

At both open end-faces, polyurethane foam for optimal adhesion with adjoining insulation to pipes, e.g. PE-foam or foamglas for common insulation thicknesses:

LKS H for 13 mm
LKS M for 19 mm
LKS T for 32 mm.

A low-priced alternative made of PUR rigid foam (specific gravity 120 kg/m³) has the best insulating properties by low thermal conductivity.

Application
Suitable for secure prevention of condensation water at the pipe support.

An optimal diffusion-tight connection with the pipe insulation is easily and safely achieved by fixing usual insulation materials to the clamp faces using adhesive.

Note:
- PUR elements with low density require careful storage, handling and installation.

Connection and pipe span
On-site connection with Adapter AD and Threaded Tube GR, in case of pipe expansion > 3 mm Slide Element GLE has to be used.

The effective span as listed in DIN 1988 may be applied for LKS H (all types) and LKS M (15 … 168), from LKS M 219 up to max. 5 m.

![Connection and pipe span diagram]

<table>
<thead>
<tr>
<th>Multi-Thread Connector</th>
<th>LKS H</th>
<th>LKS M</th>
<th>LKS T</th>
</tr>
</thead>
<tbody>
<tr>
<td>M8 / M10</td>
<td>15 ... 133</td>
<td>15 ... 114</td>
<td>15 ... 89</td>
</tr>
<tr>
<td>M12 / M16 / 1/2&quot;</td>
<td>139 ... 168</td>
<td>133 ... 219</td>
<td>108 ... 219</td>
</tr>
<tr>
<td>M16</td>
<td>273</td>
<td>273</td>
<td></td>
</tr>
</tbody>
</table>
Installation of Pipe Loops

Pipe Loop RSL N

1. Anchor
2. Flange Nut
3. Cup Nut

Note regarding Pipe Loop RSL N:
- After height adjustment is complete, lock Pipe Loop RSL N using the flange nut!
Installation Guidelines for the Use of U Bolt RUB and U Clamp RUCI

Types in accordance with or similar to DIN 3570

Installation on Channel with 1 set U-Bolt Support UBF, Hexagon Bolt SKT M10 x 25 and Speed Nut NT CC.

Scope of delivery always includes 4 nuts.

U bolts should be installed vertically. Using them horizontally can result in high bending stresses on the clamp.

Note:
- U Bolts should preferably be used as Guided Supports.

Direct installation results in a fixed bearing.

Installation on 2 Holding Brackets HK 41 provides the necessary clearance for a Guided Support.