

Swivel Joints
Swivel Joint scissors
Rotary connections



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Standard Swivel Joints

- Type **GK** → Standard joint for welding with 2 ball tracks
- Type **GKL** → Standard joint for welding with 1 ball track
- Type **GKF** → Swivel joint with turned flanges and 2 ball tracks
- Type **GKFL** → Swivel joint with turned flanges and 1 ball track
- Type **GKF-TW** → Aviation swivel joint with TW flange connection
- Type **GKM** → Swivel joint with internal or external thread and 2 ball tracks
- Type **SG** → Hose swivel joint with internal or external thread and 2 ball tracks

Swivel Joints for loading technology

- Type **GKV** → Loading arm swivel joint for easy seal replacement (2 ball tracks)
- Type **GKVL** → Loading arm swivel joint for easy seal replacement (1 ball track)
- Type **EFG** → Sandwich swivel joint (bearings and seals can be exchanged)
- Type **SVL** → Swivel joint for marine loading arms
- Type **PTFE** → Lined swivel joint for extremely aggressive media

Swivel Joints for food and hygiene applications

(conform with FDA and EU directives)

- Type **LMG2** → Food swivel joint with 2 ball tracks
- Type **LMG3** → Food swivel joint for easy seal replacement

Other Swivel Joints

- Type **KGL** → Ball swivel joint for simultaneous rotation and swivel movements
- Type **HT** → High temperature swivel joint for temperatures up to +600°C
- Type **SO** → Special swivel joint to customer specifications

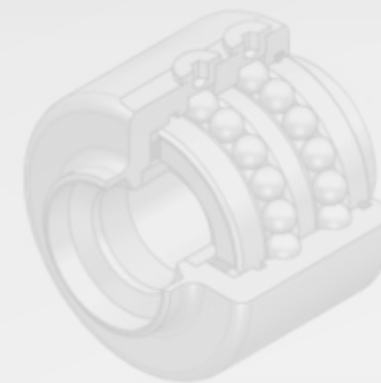
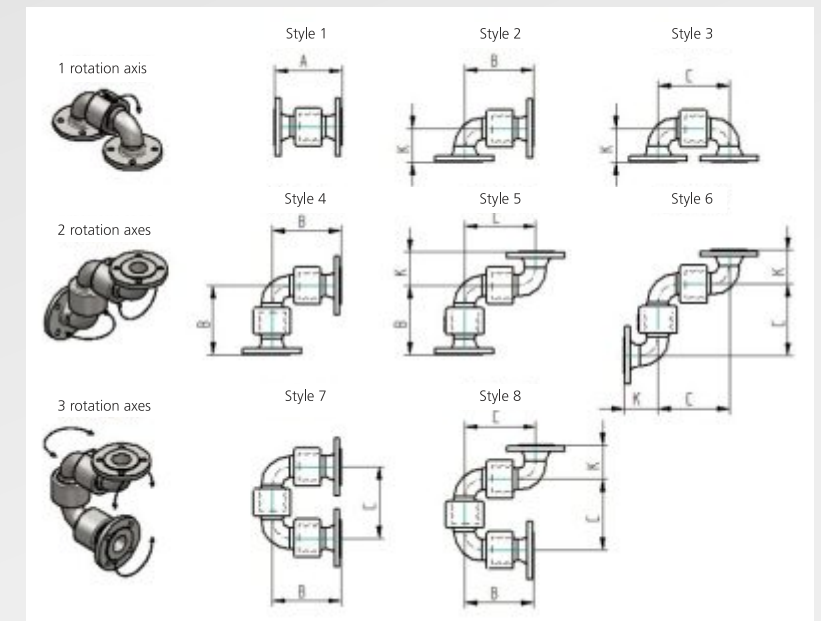
Type	Nominal width	Pressure rang	Temperature range	Steel	Stainless steel	Aluminium	Special grades
GK	DN25-DN600	0-420 bar	-60°C to +260°C	✓	✓		✓
GKL	DN25-DN400	0-100 bar	-60°C to +260°C	✓	✓		✓
GKF	DN25-DN1200	0-420 bar	-60°C to +260°C	✓	✓	✓	✓
GKFL	DN25-DN600	0-100 bar	-60°C to +260°C	✓	✓	✓	✓
GKF-TW	DN80-DN150	0-10 bar	-60°C to +100°C		✓	✓	✓
GKM	DN25-DN50	0-420 bar	-60°C to +260°C	✓	✓		✓
SG	DN08-DN50	0-420 bar	-60°C to +260°C	✓	✓		✓
GKV	DN50-DN250	0-40 bar	-60°C to +260°C	✓	✓		✓
GKVL	DN50-DN250	0-40 bar	-60°C to +260°C	✓	✓		✓
EFG	DN50-DN150	0-40 bar	-60°C to +260°C	✓	✓		✓
SVL	DN100-DN500	0-40 bar	-60°C to +260°C	✓	✓		✓
PTFE	DN50-DN150	0-16 bar	-60°C to +260°C	✓	✓		
LMG2	DN25-DN150	0-10 bar	-60°C to +200°C		✓		
LMG3	DN25-DN150	0-10 bar	-60°C to +200°C		✓		
KGL	DN50-DN400	0-40 bar	-60°C to +260°C	✓	✓		✓
HT	DN25-DN150	0-40 bar	-60°C to +600°C	✓	✓		
SO	DN25-DN1200	0-1200 bar	-60°C to +260°C	✓	✓	✓	✓

ATN Swivel Joints

ATN swivel joints are rotary elements for the transport of liquid and gaseous media between 2 points moving relative to each other. Thanks to the screwed-in ball tracks, swivel movements and also 360° turning movements are no problem.

In addition to pressure loads, ATN swivel joints also bear external loads, and are in use in all areas of industry.

The modular construction system allows the production of all ATN swivel joints in any design required. The 8 basic versions and a large number of connection options permit almost any spatial movement



ATN Swivel Joints are sealed using PTFE (Teflon) axial groove sealing rings. Special versions, for example for food applications (FDA), or scraper systems for abrasive media, are possible at any time. To the outside ATN swivel joints are fitted with O rings or sealing elements, and can be used both inside and outside the medium.

As a standard feature all ATN swivel joints are greased with lubricants which are suitable for the operating conditions.





ATN Swivel Joint scissors

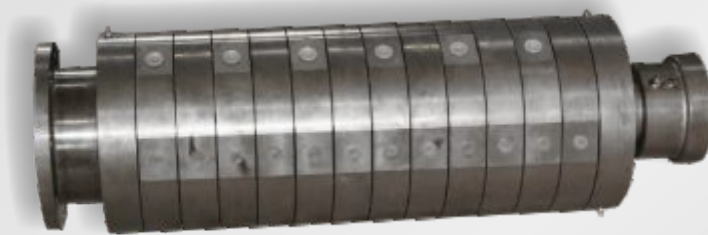
ATN swivel joint scissors are a combination of ATN swivel joints with welded piping and pipe elbows, with customer-defined connections.

The moving piping system permits large distances to be bridged. Hoses which are subject to greater torsion can be replaced by ATN swivel joint scissors in order to ensure safe transportation of the medium.

ATN Rotary connections

ATN rotary connections are used when several media have to be supplied into rotating plant sections at the same time.

ATN rotary connections are available in compact or segment construction versions, and are produced in accordance with customer requirements.



ATN

Engineering



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