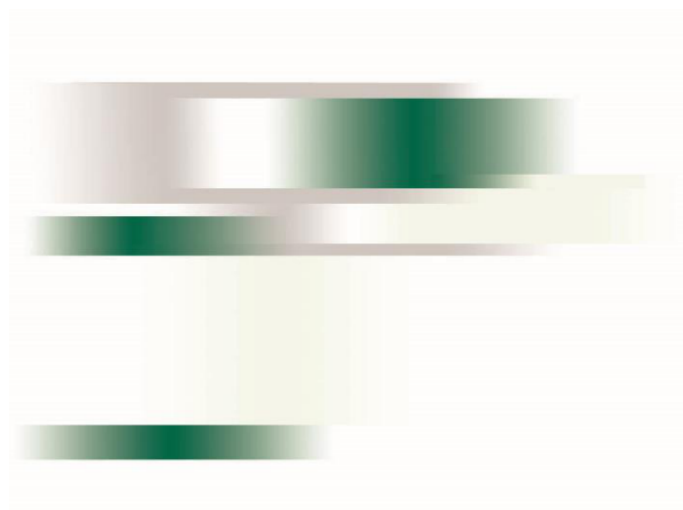


Rotary Unions



Rotary Unions

Description:

Rotary unions transfer liquids, pastes or gases between stationary and rotating machine parts and ensure a sealed transition. They are used in various industries for media such as oil, water, air or gas.

Multi-passage rotary unions allow the supply and discharge of media in several channels that are strictly sealed from each other. These channels can be operated independently with different pressures and media such as water, hydraulic oil, air, vacuum or steam.

Rotary unions are used in rolls, spindles or drives to transfer media such as air, water, vacuum or coolants safely and efficiently. They are essential for the reliable supply of liquids and gases in rotating machines.

Our rotary unions are known for their high reliability and long service life.

We draw on sealing technologies tried and tested over decades.

Our products are manufactured in Germany and offer the highest quality.

We offer a variety of rotary unions with different sealing principles and standards.

We also offer the option of transmitting signals and electrical power by means of slip ring transmitters or prepare the rotary union for such use.

Rotary unions from Storz are 100% customer-specific and developed exactly to your requirements!

Applications:

Rotary indexing machine: A rotary indexing machine is a production system in which several work steps are carried out in succession in a continuous material flow. It is suitable for medium to high quantities and is particularly space-saving.

Vehicle technology: Rotary unions are used in vehicles to connect rotating equipment with stationary piping.

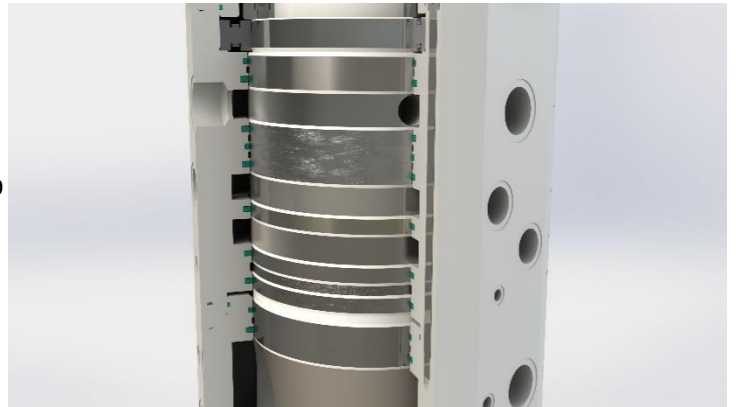
Offshore ship crane: An offshore ship crane is a lifting device mounted on a pedestal and used for transporting material and people to or from ships. Offshore cranes are used in the deep sea, in oil and gas environments.

Coiler application: Coilers are used in many areas, for example in agriculture, mining, in metal processing and in the textile industry.

Rotary Unions

Rotary indexing machine:

Includes multiple connections and a variety of outgoing channels for various media as well as a center bore. In addition, dirt wipers and a special paint finish are available, as well as axial bearings. Large channels with high flow rates up to 350 L/min or more. Cooling water connections at the connection block of 4 inch and 5 inch are possible.



Technical data:

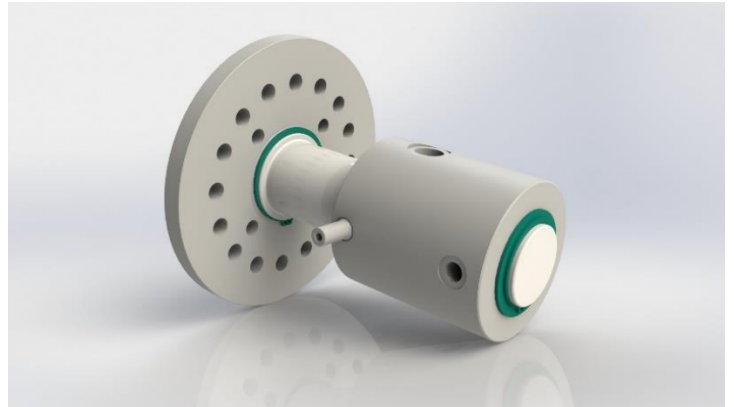
Nominal pressure:	Up to 160 bar, higher on request
Channels/connections:	6 to 8 and more possible
Individual connection version pipe thread:	G 1/8" – G 2"; SAE or flanges
Media selection:	Air, water, oil, emulsion, grease
Dimensions:	Ø = From 355 mm to 490 mm
Motion:	Suitable for swivel motion
Axial force:	On request



Rotary Unions

Vehicle technology:

It is a cost-effective design and can be tailored for specialised vehicles, such as defence vehicles, equipped with detection devices. Furthermore, it is also manufactured as a lightweight version with aluminium components and features a compact design.



Technical data:

Nominal pressure:	250 bar to 300 bar
Channels/connections:	3 to 6
Individual connection version pipe thread:	G 1/8 to G 3/8
Media selection:	Oil
Dimensions:	Ø = From 80 mm to 255 mm and more ...
Axial force:	On request



Rotary Unions

Offshore ship crane:

Includes dirt wipers and special paint as well as a large center bore and center flange mounting. In addition, a channel with a flow rate of 350 L/min available.



Technical data:

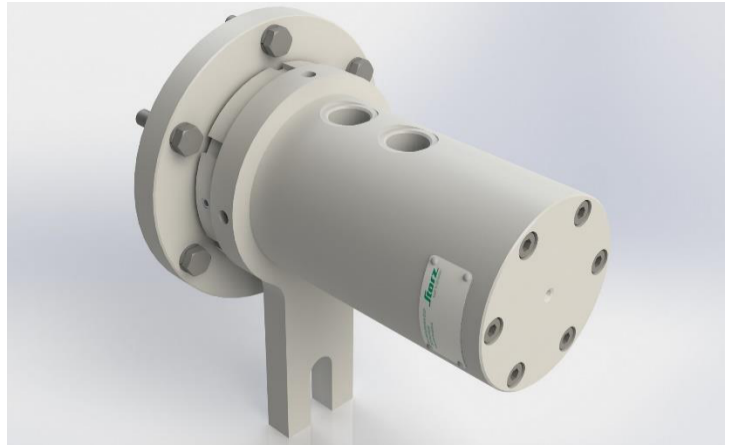
Nominal pressure:	10 bar to 375 bar
Channels/connections:	4 to 11
Individual connection version pipe thread:	G 1/8" – G 2"; SAE or flanges
Media selection:	Oil
Dimensions:	Ø = From 225 mm to 330 mm and more ...
Axial force:	On request



Rotary Unions

Coiler application:

Covers a wide range of designs with speeds between 50 rpm and 1500 rpm with low heat generation. A switching rod can be passed through, with anti-rotation device and switching vane, or a rod-type position measuring system can also be installed. Sealed channels for air and oil are possible. The system can handle a pressure of up to 350 bar at 700 rpm with gap sealing.



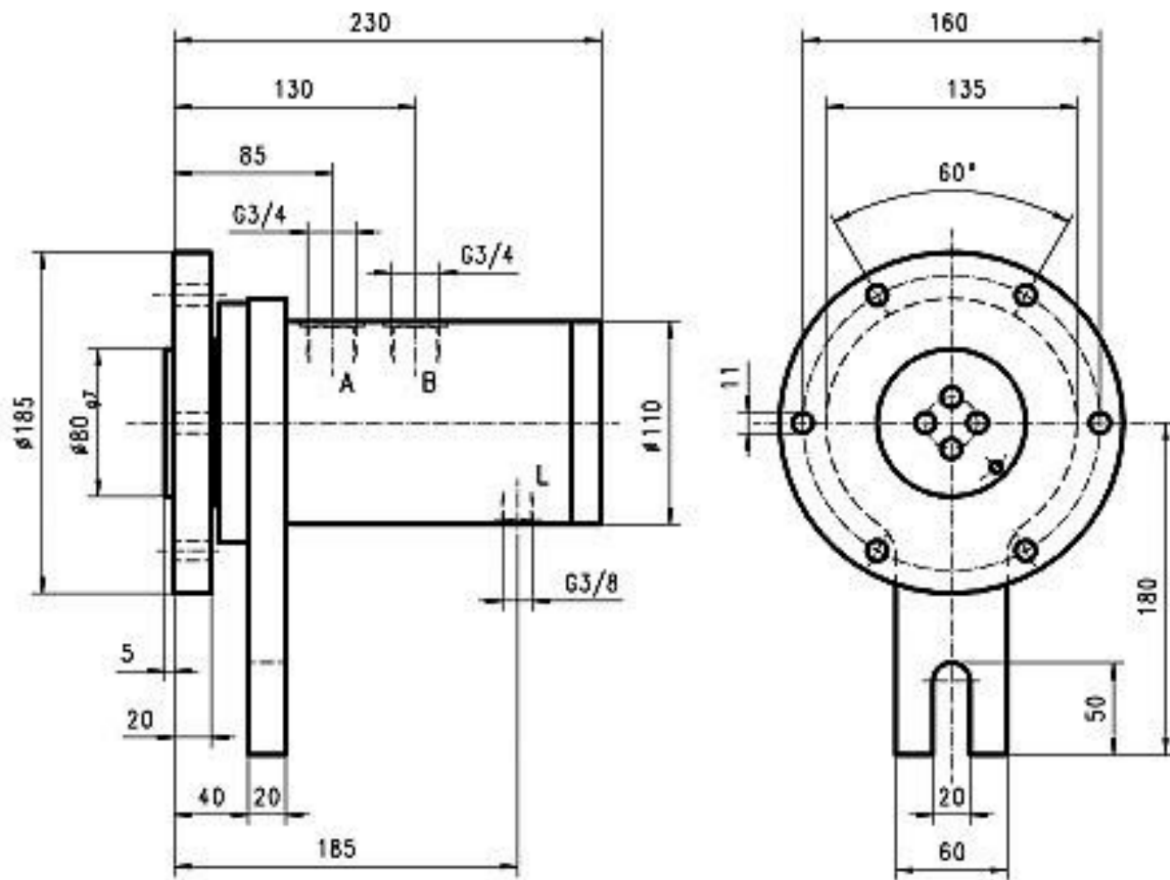
Technical data:

Nominal pressure:	6 bar air and oil 100 bar to 250 bar
Channels/connections:	2 to 4
Individual connection version pipe thread:	Size G 1/4" to G 1", leakage oil port G 1/4", G1/2"
Media selection:	Air, Oil
Dimensions:	Ø = From 123 mm to 270 mm and more ...
Axial force:	On request



Rotary Unions

Storz standard rotary union:

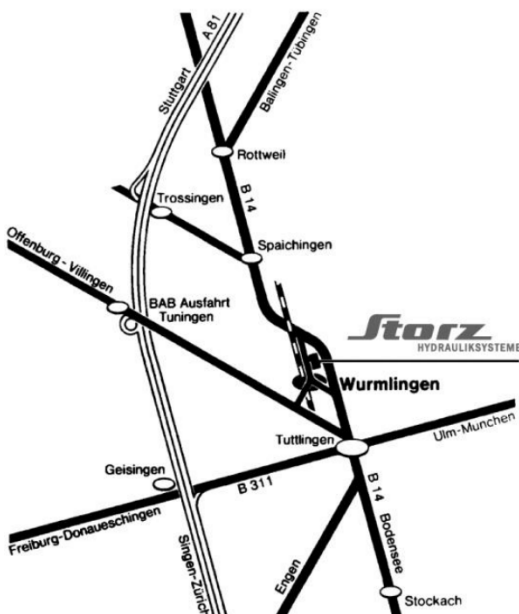
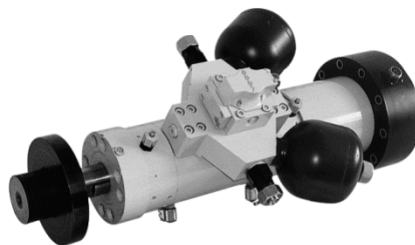
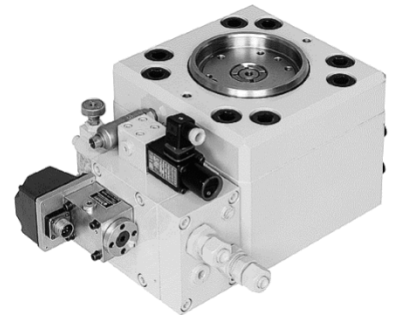


Technical data:

Nominal pressure:	Oil up to 250 bar
Channels/connections:	2
Individual connection version pipe thread:	Size G 3/4", leakage oil port G 3/8"
Media selection:	Oil
Dimensions:	See illustration
Axial force:	none
Max. speed	700 rpm
Optionally with seal	Max. 250 rpm



Hydraulic cylinders to DIN/ISO
Hydraulic standard cylinders
Hydraulic telescopic cylinders
Hydraulic cylinders with position measuring systems
Hydraulic coiler cylinders
Test-machine cylinders
Special cylinders for all fields of application
Standardized mounting parts
Hydraulic power units and components
Plant engineering



Storz
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