

FLUID TRANSFER TECHNOLOGY

Product Presentation

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LINEAR MOTION SOLUTIONS



Areas of Applications

We deliver in many industries



Oil & Gas



Automation



Automotive



Chemical & Pharma



Construction



Food



Energy



Pulp & Paper



Water Management



Marine Terminal



Metals Production



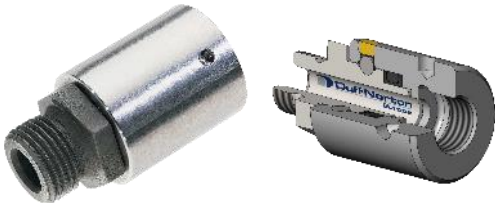
Offshore

Rotary Unions Range

Single Port Rotary Unions (Low Rotation)

1100 Series

- Up to 100 bar,
- Up to 5 rpm,
- Material: Nickel Plated Steel or Stainless Steel,
- Threaded connections in BSPP (or NPT on request),
- Size from 1/4" to 3",
- Maximum working temperature: 200°C,
- Rotation ensured with 1 ball raceway,
- Composite seal (x1).



1102 Series

- Up to 200 bar,
- Up to 20 rpm,
- Material: Nickel Plated Steel or Stainless Steel,
- Threaded connections in BSPP (or NPT on request),
- Size from 1/4" to 6",
- Maximum working temperature: 200°C,
- Rotation ensured with 2 ball raceways,
- Composite seal (x1).



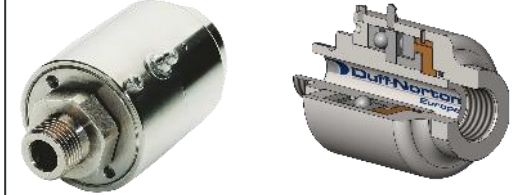
1700 Series

- Up to 350 bar,
- Up to 100 rpm,
- Material: Nickel Plated Steel or Stainless Steel,
- Threaded connections in BSP (or NPT on request),
- Size from 1/4" to 3",
- Maximum working temperature: 150°C,
- Rotation ensured with single acting thrust bearing,
- Composite seal (x1).



1900 Series

- Up to 700 bars,
- Up to 100 rpm,
- Material: Nickel Plated Steel or Stainless Steel,
- Threaded connections in BSPP (or NPT on request),
- Size from 1/4" to 3",
- Maximum working temperature: 150°C,
- Rotation ensured with double acting thrust bearing,
- Composite seal (x1).



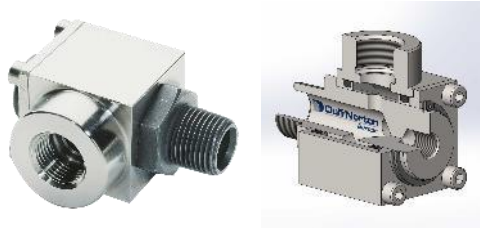
Working Pressure from 0 to 700 bar

Rotary Unions Range

Single Port Rotary Unions (Low Rotation)

1200 Series

- Up to 350 bar,
- Up to 5 rpm,
- 90° inlet/outlet,
- Material: Nickel Plated Steel or Stainless Steel,
- Threaded connections in BSPP ,
- Size from 1/4" to 1"1/2,
- Maximum working temperature: 200°C,
- Rotation ensured with bushing,
- Composite seals (x2).



1400 Series

- Up to 350 bar,
- Up to 5 rpm,
- 90° inlet/outlet,
- Material: Nickel Plated Steel or Stainless Steel,
- Many possible threaded connections (BSP, NPT, BSPP, UNF, Metric ...)
- Size from 1/4" to 2",
- Maximum working temperature: 200°C,
- Rotation ensured with bushing,
- Composite seals (x2).



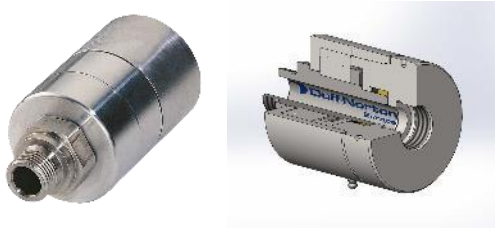
90° outlet

Rotary Unions Range

Single Port Rotary Unions (Middle Speed Rotation)

600 Series

- Up to 250 bar,
- Up to 1,500 rpm,
- Material: Nickel Plated Steel and/or Aluminum,
- Threaded connections in BSPP or Metric,
- Size from 1/4" to 1",
- Maximum working temperature: 120°C,
- Rotation ensured with ball-bearings,
- Composite seal (x1).



5000 Series

- Up to 50 bars,
- Up to 1,000 rpm,
- Material: Stainless Steel,
- Threaded connections in BSPP, BSP or NPT,
- Size from 1/4" to 2",
- Maximum working temperature: 120°C,
- Rotation ensured with ball bearings,
- Carbon graphite/ceramic coating steel ring or Tungsten carbide / siliconized graphite seal rings for abrasive applications.



9000 Series

- Up to 17 bar,
- Up to 1,500 rpm (700 rpm with NPT threads),
- Material: Cast Iron Steel,
- Thread connections in BSP or NPT,
- Size from 1/4" to 5",
- Maximum working temperature: 100°C,
- Rotation ensured with ball-bearings,
- Bellows Sealing System.



9000 G Series

- Up to 17 bar,
- Up to 1,500 rpm (700 rpm with NPT threads),
- Material: Cast Iron Steel
- Threaded connections in BSP (or NPT on request),
- Size from 1/4" to 5",
- Maximum working temperature: 315°C,
- Rotation ensured with carbon graphite bushing,
- Bellows Sealing System.



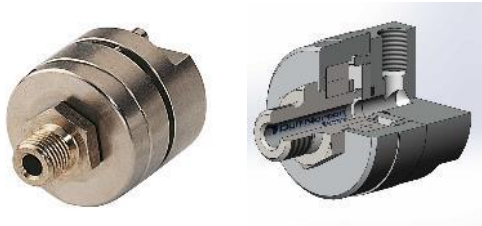
MONOFLOW ROTARY UNIONS

Rotary Unions Range

Single Port Rotary Unions (High Speed Rotation)

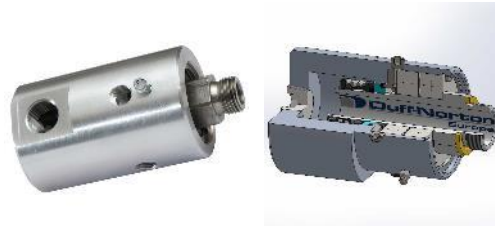
300 Series

- Up to 10 bar,
- Up to 3,500 rpm,
- Material: Nickel Plated Steel & Aluminum,
- Threaded connections in BSPP or Metric,
- Size from 1/4", 1/8", and M10
- Maximum working temperature: 120°C,
- Rotation ensured with ball-bearings,
- Carbon graphite seal ring



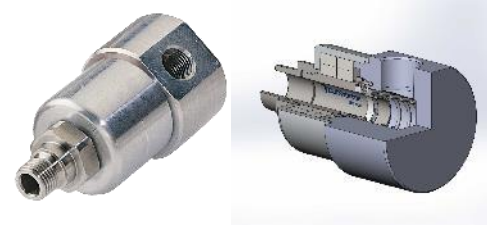
DWPA Series

- Up to 14 bar,
- Up to 1,750 rpm,
- Material: Aluminum & Stainless Steel,
- Thread connections in BSP or NPT,
- Size from 3/8" to 2",
- Maximum working temperature: 70°C,
- Rotation ensured with ball-bearing,
- Silicon carbide/carbon graphite seal rings.



805 Series

- Up to 30 bar,
- Up to 5,000 rpm,
- Material: Aluminum & Stainless Steel,
- Threaded connections in BSP, BSPP & Metric (NPT or UNF on request),
- Size from 1/4" to 1",
- Maximum working temperature: 120°C,
- Rotation ensured with ball-bearings,
- Ceramic/carbon graphite seal rings.



MONOFLOW ROTARY UNIONS

Rotary Unions Range

Dual Flow Rotary Unions (Middle Speed Rotation)

5000 Series

- Up to 50 bars,
- Up to 1,000 rpm,
- Material: Stainless Steel,
- Threaded connections in BSPP, BSP or NPT,
- Size from 3/8" to 2",
- Maximum working temperature: 120°C,
- Rotation ensured with ball bearings,
- Carbon graphite/ceramic coating steel ring or Tungsten carbide / siliconized graphite seal rings for abrasive applications.



9000 Series

- Up to 17 bar,
- Up to 1,500 rpm (700 rpm with NPT threads),
- Material: Cast Iron Steel,
- Thread connections in BSP or NPT,
- Size from 1/2" to 5",
- Maximum working temperature: 100°C,
- Rotation ensured with ball-bearings,
- Bellows Sealing System.



9000G Series

- Up to 17 bar,
- Up to 1,500 rpm (700 rpm with NPT threads),
- Material: Cast Iron Steel
- Threaded connections in BSP (or NPT on request),
- Size from 1/2" to 5",
- Maximum working temperature: 315°C,
- Rotation ensured with carbon graphite bushing,
- Bellows Sealing System.



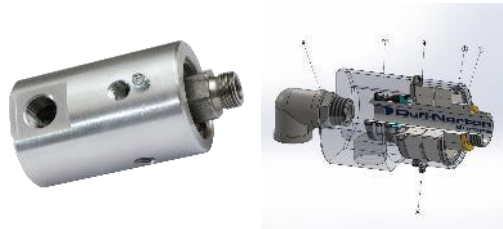
DUAL FLOW ROTARY UNIONS

Rotary Unions Range

Dual Flow Rotary Unions (High Speed Rotation)

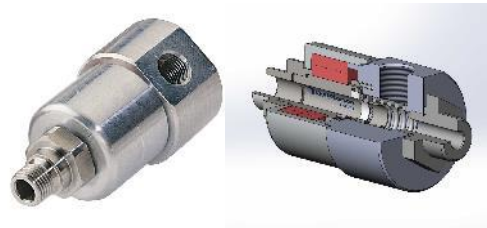
DWPA Series

- Up to 14 bar,
- Up to 1,750 rpm,
- Material: Nickel Plated Steel or Stainless Steel,
- Many possible threaded connections (BSP, NPT, BSPP, UNF, Metric ...)
- Size from 1/4" to 2",
- Maximum working temperature: 200°C,
- Rotation ensured with bushing.



805 Series

- Up to 30 bar,
- Up to 5,000 rpm,
- Material: Aluminum & Stainless Steel,
- Threaded connections in BSP, BSPP & Metric (NPT or UNF on request),
- Size from 1/2" to 1",
- Maximum working temperature: 120°C,
- Rotation ensured with ball-bearings,
- Ceramic/carbon graphite seal rings.



DUAL FLOW ROTARY UNIONS

Rotary Unions Range

Multiport Rotary Unions

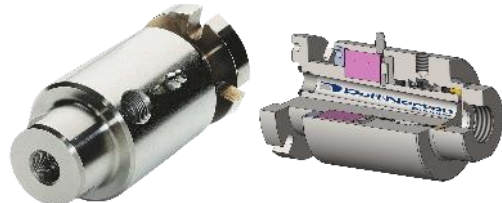
1600 Series

- Up to 200 bar,
- Up to 1,500 rpm,
- Material: Nickel Plated Steel or Stainless Steel,
- Thread connections in BSPP,
- Size from 1/4" to 1",
- Maximum working temperature: 120°C,
- Rotation ensured with ball-bearings,
- Composite seals (x2).



1650 Series

- Up to 200 bar,
- Up to 1,500 rpm,
- Material: Nickel Plated Steel or Stainless Steel,
- Thread connections in BSPP and with flange on rotor,
- Size from 1/4" to 1",
- Maximum working temperature: 120°C,
- Rotation ensured with ball-bearings,
- Composite seals (x2).



MC Series

- Up to 400 bar,
- Up to 50 rpm
- Material: Nickel Plated Steel,
- BSP connections on stator & flange connection on rotor,
- Port size from 1/8" up to 1"1/4,
- Maximum working temperature: 200°C,
- Rotation ensured by bronze bushings,
- Composite seals (depend on number of ports (+1)).



HPMC Series

- Up to 400 bar,
- Up to 200 rpm
- Material: Nickel Plated Steel,
- BSPP connections on stator & flange connection on rotor,
- Port size from 1/8" up to 1"1/4,
- Maximum working temperature: 120°C,
- Rotation ensured by ball-bearings,
- Composite seals (depend on number of ports (+1)),
- Central port.



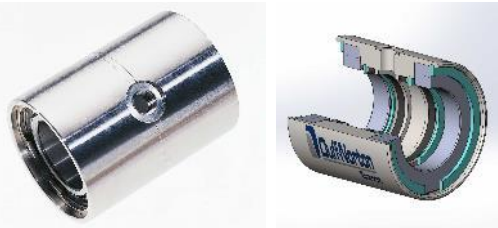
MULTIPORTS ROTARY UNIONS

Rotary Unions Range

Other Products

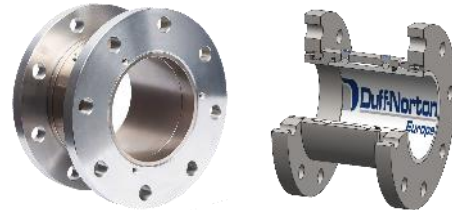
500 Series

- Up to 200 bar,
- Up to 100 rpm,
- Material: Nickel Plated Steel or Stainless Steel,
- Thread connections in BSPP,
- Diameter shaft size: from 20 to 100mm
- Maximum working temperature: 120°C,
- Rotation ensured with ball-bearings,
- Composite seals (x2).



DNRF Series

- Up to 16 bar,
- For swiveling motion only,
- Material: Nickel Plated Steel or Stainless Steel,
- Flange connections (PN10 or PN16),
- From 2" up to 6"
- Maximum working temperature: 120°C,
- Rotation ensured with 2 ball raceways,
- Composite seal (x1).

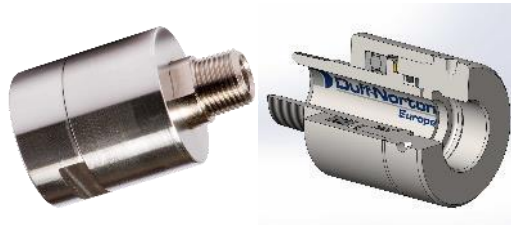


Rotary Unions Range

Developped for Specific Applications

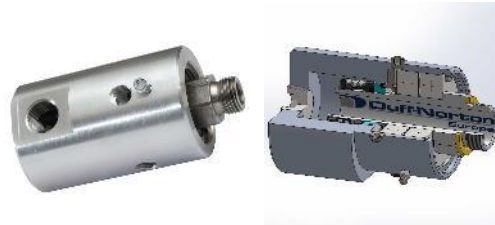
DNHC Series

- Up to 350 bar,
- Up to 100 rpm,
- **For High Pressure Reels,**
- Minimum of Quantity/Order,
- Material: Nickel Plated Steel or Stainless Steel,
- Threaded connections in BSP (or NPT on request),
- Size from 1/4" to 3",
- Maximum working temperature: 150°C,
- Rotation ensured with single acting thrust bearing,
- Composite seal (x1).



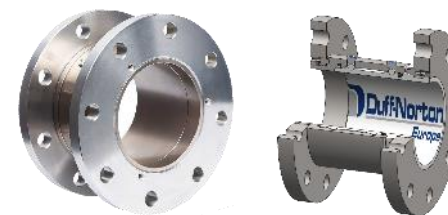
DWPA Series

- Up to 14 bar,
- Up to 1,750 rpm,
- **For Printing Rolls,**
- Material: Aluminum & Stainless Steel,
- Thread connections in BSP or NPT,
- Size from 3/8" to 2",
- Maximum working temperature: 70°C,
- Rotation ensured with ball-bearing,
- Silicon carbide/carbon graphite seal rings.



DNRF Series

- Up to 16 bar,
- For swiveling motion only,
- **For Loading Arms,**
- Material: Nickel Plated Steel or Stainless Steel,
- Flange connections (PN10 or PN16),
- From 2" up to 6"
- Maximum working temperature: 120°C,
- Rotation ensured with 2 ball raceways,
- Composite seal (x1).



1500 Series

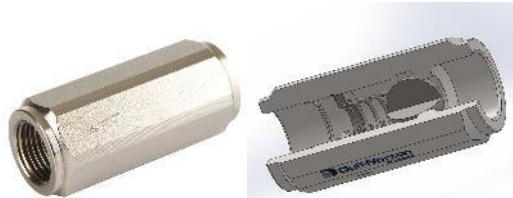
- Up to 50 bar,
- Up to 1,750 rpm,
- **For Continuous Casting Rolls,**
- Material: Brass & stainless Steel,
- BSP or NPT,
- Port size from 1/4" up to 1",
- Maximum working temperature: 120°C,
- Rotation ensured either by ball-bearing or bronze bushing,
- Composite seals or Silicon carbide/carbon graphite seal rings.



DEDICATED APPLICATIONS ROTARY UNIONS

4000 Series

- Up to 700 bar,
- Standard Spring Force: 0,5 or 4,5 bar,
- Material: Nickel Plated Steel or Stainless Steel,
- Size: from 1/4" up to 1",
- Metal/Metal sealing with a stainless steel ball.



4000M Series

- Up to 700 bar,
- Standard Spring Force: 0,5 or 4,5 bar,
- Material: Nickel Plated Steel or Stainless Steel,
- Size: from 1/4" up to 2",
- Metal/Metal sealing with a stainless steel rod.



4000MEC Series

- Up to 700 bar,
- Standard Spring Force: 0,5 or 4,5 bar,
- Material: Nickel Plated Steel or Stainless Steel,
- Size: from 1/4" up to 2",
- Sealing with a FKM O-ring (as standard) on a stainless steel rod.

