

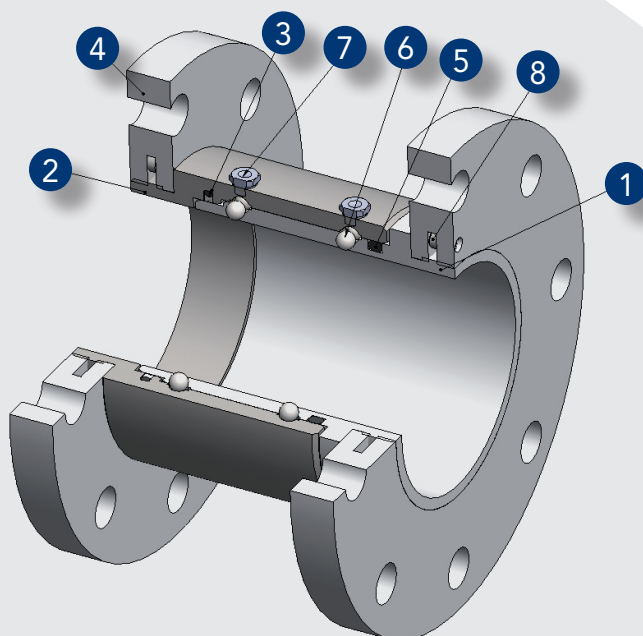
## DNRF Series



**Your First Choice**  
for Fluid Transfer Solutions!

# DNRF Serie

		K	I
1	Rotor	Carbon steel	Stainless steel
2	Stator	Carbon steel	Stainless steel
3	Rotary Seal	PTFE/ FKM	PTFE/ FKM
4	Connection Flange	Stainless steel	Stainless steel
5	O-Ring	FKM	FKM
6	Balls	Stainless steel	Stainless steel
7	Grease nipple	Stainless steel	Stainless steel
8	Screw	Stainless steel	Stainless steel



## Working Parameters

Rotation	Fluid	Maximum pressure	Working temperature	Material
Low or swivelling	All fluid except steam and heat transfer fluids	16 bars (PN 10/16)	from -20°C up to +140°C in continuous	<b>K models</b> nickel plated carbon steel <b>I models</b> 316L stainless steel

## The Duff-Norton Europe DNRF Rotary Union

has been designed to provide a perfect solution to the need to position Flange connected pipes (loading arms). Its simple design in nickel plated carbon steel (against corrosion) or in 316L Stainless Steel allows to ensure its primarily rotating function in all conditions of weather and temperature.

	DNRF50 K/I	DNRF66 K/I	DNRF80 K/I	DNRF100 K/I	DNRF125 K/I	DNRF150 K/I
Nominal diameter (DN)	50	60	75	100	120	150
Overall length	150	150	150	150	150	150
Overall diameter	165	185	200	220	250	285
Connections	DN50 PN10/PN16	DN66 PN10/PN16	DN80 PN10/PN16	DN100 PN10/PN16	DN125 PN10/PN16	DN150 PN10/PN16

On request, PN10/PN16 flanges can be replaced with any other standard flange types or customized flange types.

## Counter Flange Connection Kit

To facilitate the connection of the DNRF Rotary Flange, Duff Norton Europe can also supply connection kits for each flange's size.



## Maintenance

Due to its design, the Duff-Norton Europe DNRF Series Rotary Unions can be maintained over the years. Maintenance kits are available and include the balls, the rotary seal, the different O-rings, and the screw.

