

ROTARY UNION™



PRODUCT BULLETIN

DNHC & DNHCR SERIES



Your **First** Choice
For Fluid Transfer Solutions

ROTARY UNION™

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The Duff-Norton DNHC & DNHCR Series Rotary Unions™ are designed for use primarily on manual or electric hose reels on hydro-powered trucks used in the sanitation market. This series offers incomparable performance in terms of weight, torque, maximum pressure and reliability. Nickel plated carbon steel or 316L stainless steel both perform well under severe conditions rfound in high-pressure water transfer and water treatment (sanitation) applications.

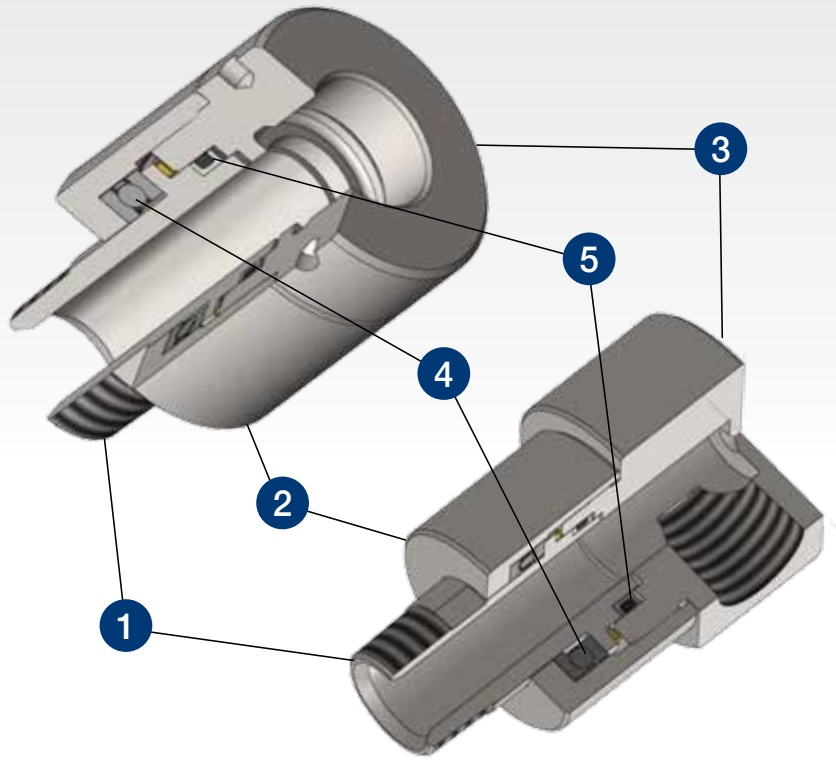
Product Features

- Robust and compact
- Single acting thrust bearing for smooth high-pressure rotation
- Anti-corrosion coating
- Maintenance free
- Pressure spike resistant
- PTFE + FKM rotary seal ideal for water transmission

Warranty

The DNHC & DNHCR Series Rotary Unions are covered by a one year warranty against defective materials or workmanship.

DNHC & DNHCR SERIES



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|---|------------------------------|---------------------------------|
| 1 | Rotor: | Carbon Steel or Stainless Steel |
| 2 | Stator: | Carbon Steel or Stainless Steel |
| 3 | Seal Holder: | Carbon Steel or Stainless Steel |
| 4 | Single Acting Thrust Bearing | |
| 5 | Rotary Seal: | PTFE + FKM |

Operating Parameters

SPEED	TEMPERATURE	PRESSURE
Up to 30 RPM	Up to 302°F (150° C)	ps: 5076 (350 bar)
FLUID	MATERIAL	
Water	Nickel plated carbon steel or 316L stainless steel; PTFE, and FKM	

Part Numbers and Dimensions

Thread Size		Material	Outlet Model	Model Number	Dimensions (mm)		
					Overall Length	Overall Diameter	Circuit Diameter
1/4"	NPT	Carbon Steel	Axial 90°	DNHC13KNPT	70	39	7
			Radial 180°	DNHCR13KNPT	66	35	
		Stainless Steel	Axial 90°	DNHC13INPT	70	39	
			Radial 180°	DNHCR13INPT	66	35	
	BSP	Carbon Steel	Axial 90°	DNHC13K	70	39	
			Radial 180°	DNHCR13K	66	35	
Stainless Steel	Axial 90°	DNHC13I	70	39			
	Radial 180°	DNHCR13I	66	35			
3/8"	NPT	Carbon Steel	Axial 90°	DNHC17KNPT	75	42	10
			Radial 180°	DNHCR17KNPT	69	37	
		Stainless Steel	Axial 90°	DNHC17INPT	75	42	
			Radial 180°	DNHCR17INPT	69	37	
	BSP	Carbon Steel	Axial 90°	DNHC17K	75	42	
			Radial 180°	DNHCR17K	69	37	
Stainless Steel	Axial 90°	DNHC17I	75	42			
	Radial 180°	DNHCR17I	69	37			
1/2"	NPT	Carbon Steel	Axial 90°	DNHC21KNPT	92	56	13
			Radial 180°	DNHCR21KNPT	80	51	
		Stainless Steel	Axial 90°	DNHC21INPT	92	56	
			Radial 180°	DNHCR21INPT	80	51	
	BSP	Carbon Steel	Axial 90°	DNHC21K	92	56	
			Radial 180°	DNHCR21K	80	51	
Stainless Steel	Axial 90°	DNHC21I	92	56			
	Radial 180°	DNHCR21I	80	51			
3/4"	NPT	Carbon Steel	Axial 90°	DNHC27KNPT	107	63	18
			Radial 180°	DNHCR27KNPT	91	59	
		Stainless Steel	Axial 90°	DNHC27INPT	107	63	
			Radial 180°	DNHCR27INPT	91	59	
	BSP	Carbon Steel	Axial 90°	DNHC27K	107	63	
			Radial 180°	DNHCR27K	91	59	
Stainless Steel	Axial 90°	DNHC27I	107	63			
	Radial 180°	DNHCR27I	91	59			
1"	NPT	Carbon Steel	Axial 90°	DNHC34KNPT	122	77	24
			Radial 180°	DNHCR34KNPT	99	64	
		Stainless Steel	Axial 90°	DNHC34INPT	122	77	
			Radial 180°	DNHCR34INPT	99	64	
	BSP	Carbon Steel	Axial 90°	DNHC34K	122	77	
			Radial 180°	DNHCR34K	99	64	
Stainless Steel	Axial 90°	DNHC34I	122	77			
	Radial 180°	DNHCR34I	99	64			
1-1/4"	NPT	Carbon Steel	Axial 90°	DNHC42KNPT	139	92	30
			Radial 180°	DNHCR42KNPT	104	79	
		Stainless Steel	Axial 90°	DNHC42INPT	139	92	
			Radial 180°	DNHCR42INPT	104	79	
	BSP	Carbon Steel	Axial 90°	DNHC42K	139	92	
			Radial 180°	DNHCR42K	104	79	
Stainless Steel	Axial 90°	DNHC42I	139	92			
	Radial 180°	DNHCR42I	104	79			
1-1/2"	NPT	Carbon Steel	Axial 90°	DNHC49KNPT	156	103	38
			Radial 180°	DNHCR49KNPT	118	84	
		Stainless Steel	Axial 90°	DNHC49INPT	156	103	
			Radial 180°	DNHCR49INPT	118	84	
	BSP	Carbon Steel	Axial 90°	DNHC49K	156	103	
			Radial 180°	DNHCR49K	118	84	
Stainless Steel	Axial 90°	DNHC49I	156	103			
	Radial 180°	DNHCR49I	118	84			



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