

# DEUBLIN®

*Engineered for Performance*



## ROTATING UNIONS

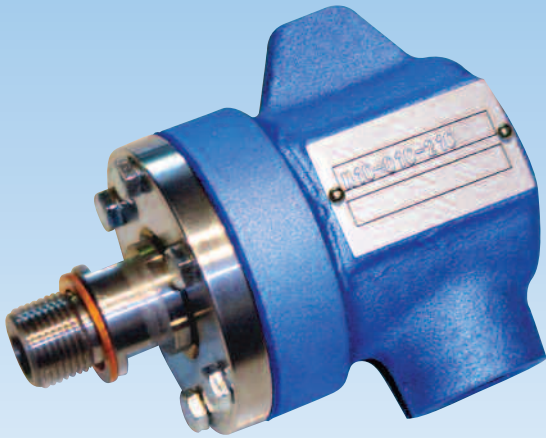
water steam air hydraulic hot oil vacuum coolant custom applications

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# DEUBLIN

## N Series Steam and Hot Oil Unions

- monoflow design: N10
- monoflow and duoflow design: N12
- self-supported rotating union
- large carbon graphite bearing
- pressurized spherical carbon graphite seal
- cast iron housing
- stainless steel rotor



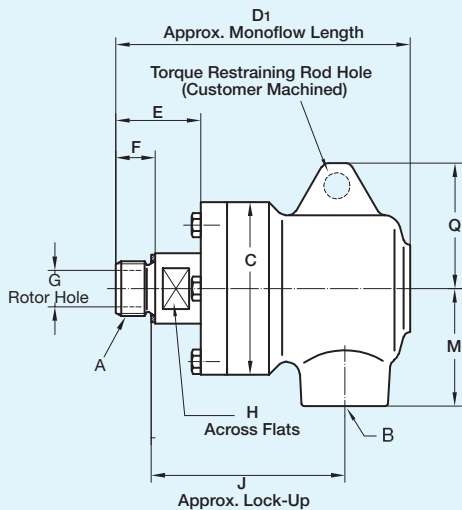
### Operating Data

Maximum Steam Pressure <sup>①</sup>	250 PSI	17 bar
Maximum Steam Temperature	400°F	200°C
Maximum Hot Oil Pressure <sup>①</sup>	100 PSI	7 bar
Maximum Speed <sup>①</sup>	750 RPM	750/min

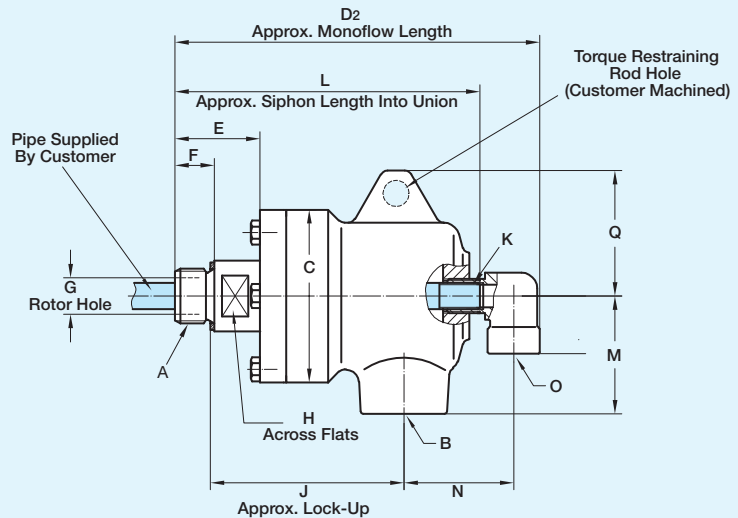
Maximum Hot Oil Temperature    450°F    >450°F consult **DEUBLIN**

<sup>①</sup> Union is designed for continuous operation at either maximum speed or maximum pressure. If operating conditions are close to maximum pressure and speed simultaneously, consult **DEUBLIN**.

### Monoflow Union



### Duoflow Union



	B Port NPT	Ordering Number		A Rotor Thread	C Dia.	D <sub>1</sub>	D <sub>2</sub>	E	F	G Rotor Hole	H	J <sup>①</sup>	K	L <sup>①</sup>	M	N	O	Q	Shpg. Wt.	
		Steam Service	Hot Oil 450°F Max.																	
Monoflow	3/8"	N10-020-214	N10-021-214	3/8" NPT RH	2 3/8"	4 1/8"	-	1 7/32"	1 9/32"	1 3/32"	2 1/32"	3"	-	-	1 9/16"	-	-	1 21/32"	2.4#	
		N10-020-215	N10-021-215	3/8" NPT LH																
		N10-020-210	N10-021-210	G 3/8" (BSP) RH	60	105	-	31	15	10	17	68.5	-	-	40	-	-	42	1.1 Kg	
		N10-020-211	N10-021-211	G 3/8" (BSP) LH																
	1/2"	N12-020-214	N12-021-214	1/2" NPT RH	2 19/32"	4 7/16"	-	1 9/32"	1 9/32"	9/16"	7/8"	3 1/8"	-	-	1 25/32"	-	-	1 29/32"	3.1#	
		N12-020-215	N12-021-215	1/2" NPT LH																
Duoflow	1/2"	N12-020-210	N12-021-210	G 1/2" (BSP) RH	66	112.5	-	32.5	15	14	22	74	-	-	45	-	-	48	1.4 Kg	
		N12-020-211	N12-021-211	G 1/2" (BSP) LH																
		N12-022-214-701	N12-023-214-701	1/2" NPT RH	2 19/32"	-	5 1/2"	1 9/32"	1 9/32"	9/16"	7/8"	3 3/8"	1/8" NPT	4 19/32"	1 25/32"	1 21/32"	1/4" NPT	1 29/32"	3.1#	
		N12-022-215-701	N12-023-215-701	1/2" NPT LH																
1/2"	1/2"	N12-022-210-701	N12-023-210-701	G 1/2" (BSP) RH	66	-	139.5	32.5	15	14	22	74	1/8" NPT	116.5	45	42	1/4" NPT	48	1.4 Kg	
		N12-022-211-701	N12-023-211-701	G 1/2" (BSP) LH																

<sup>①</sup> Dimensions for NPT Rotor Threads are from Wrench Tight Engagement.



Since its establishment in 1945, the DEUBLIN COMPANY has consistently adhered to a policy of producing the best product of its kind in the market. The result of this policy has been constant growth through the years. For this progress we are grateful to our many loyal customers. We cordially invite you to visit our modern manufacturing facilities in Waukegan, Illinois; Hofheim-Wallau, Germany; Monteveglio, Italy and Dalian, China.

Sincerely,

Donald L. Deubler,  
Chairman of the Board



Global Headquarters in Waukegan, Illinois, U.S.A.



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Monteveglio, Italy



Dalian, China

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