



DEUBLIN

Rotary Union Air or Hydraulic Oil Service, DN 6 – 40

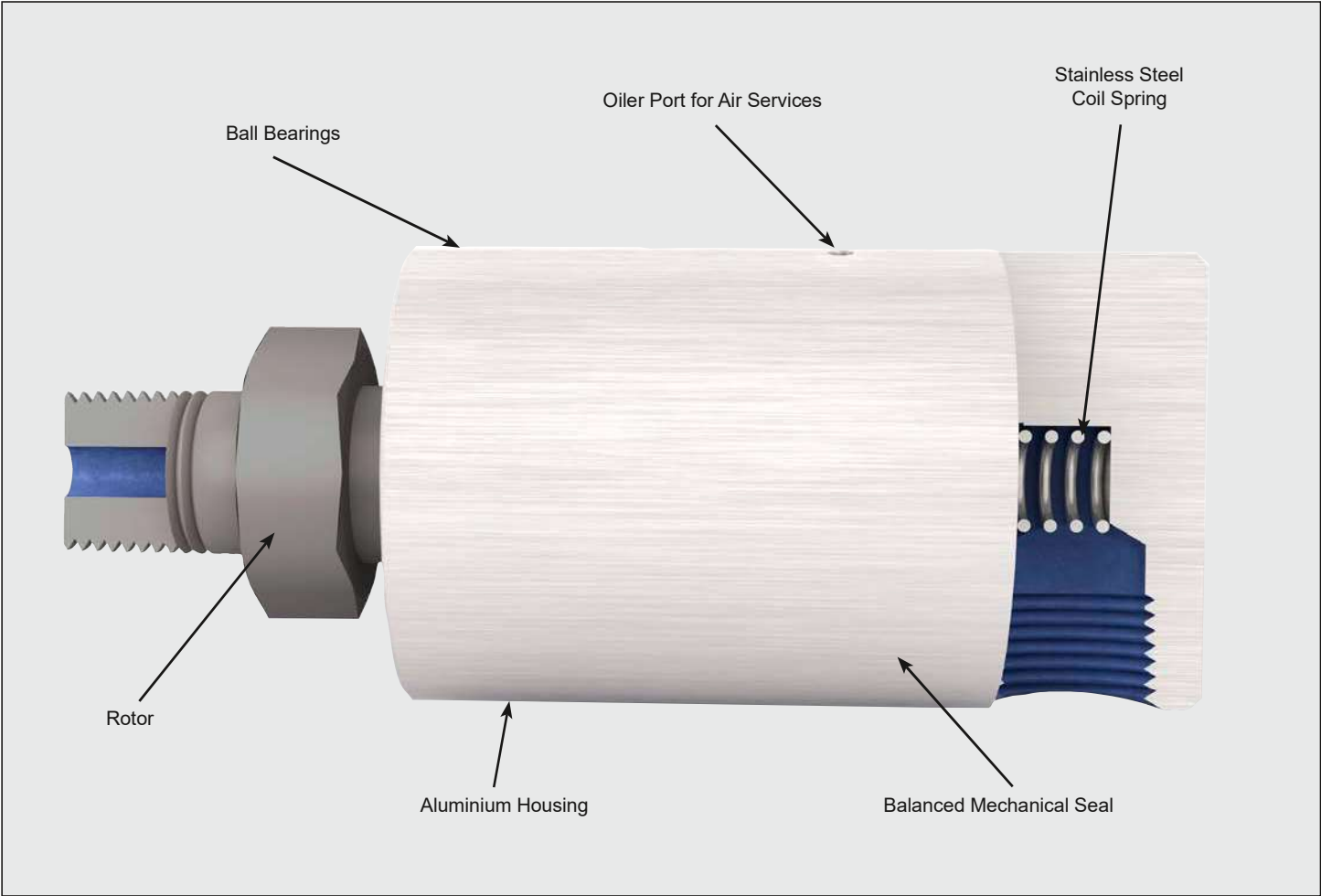
- Monoflow design
- Self-supported Rotary Union
- Radial housing connection
- Balanced mechanical seal:
 - Carbon Graphite/hardened Tool Steel or
 - Carbon Graphite/Ceramic
- Felt oiler in seal cavity for air service
- Oiler for relubrication (3 – 5 drops/month)
- Low torque
- Weight optimised design
- Aluminium housing
- Stainless steel or steel rotor (respective of model)
- Lubrication guide see Instruction Manual

For further information, please contact Deublin or your local representative.

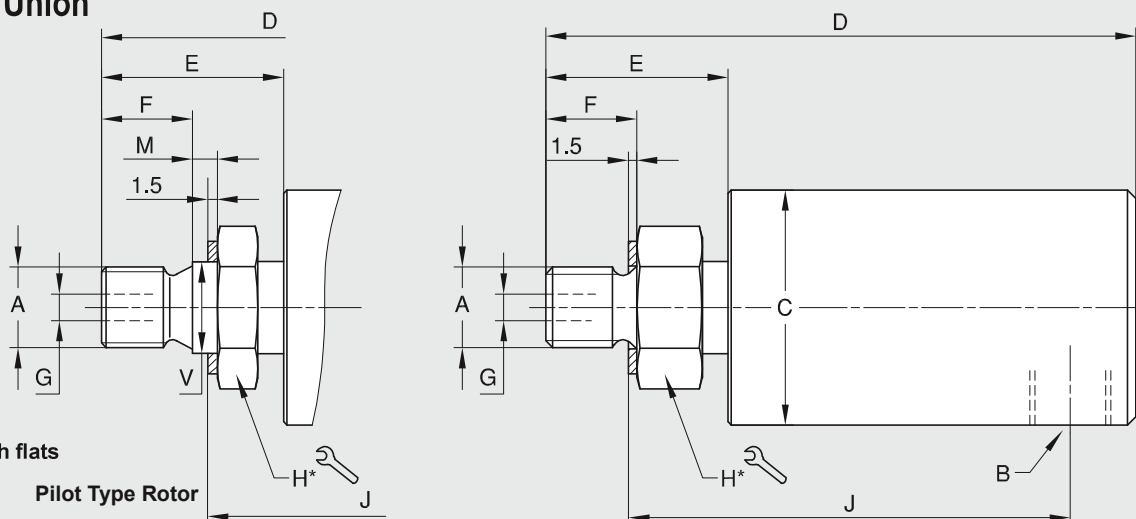
Operating Data

Max. Air Pressure			150 PSI	10 bar
Max. Vacuum			28" Hg	6,75 kPa
Max. Hydraulic Pressure	Model	1005	1,000 PSI	70 bar
		1102	1,000 PSI	70 bar
		1115	500 PSI	34 bar
		1205	750 PSI	50 bar
		250-094	1,000 PSI	70 bar
Max. Speed Straight Threads	Model	355-021	1,000 PSI	70 bar
		452-000	750 PSI	50 bar
		1005-1205	3,500 rpm	3.500 min ⁻¹
		250-094	3,500 rpm	3.500 min ⁻¹
Max. Speed NPT Threads	Model	355-021	3,000 rpm	3.000 min ⁻¹
		452-000	2,500 rpm	2.500 min ⁻¹
Max. Temperature			250 °F	121 °C

For higher temperature, please consult Deublin.
Operation at max. pressure combined with max. speed is not permissible.



Monoflow Rotary Union



* DN 6 – 20 = hexagon
DN 25 – 40 = two wrench flats

DN	B NPT	Ordering-No	A Rotor Connections	C Ø	D	E	F	G Ø	H Ø	J	M	V Ø	kg
6	1/8	1005-020-019	3/8-24 UNF RH	28.37	71	22	11.1	3.2	17	52	–	–	0.2
	1/8	1005-020-037	M 10 x 1 RH	28.37	71	22	11.1	3.2	17	54	–	–	0.2
	1/8	1005-020-038	1/8 NPT RH	28.37	71	22	12.7	3.2	17	59	–	–	0.2
	1/8	1005-020-039	3/8-24 UNF LH	28.37	71	22	11.1	3.2	17	52	–	–	0.2
	1/8	1005-020-045	M 10 x 1 RH	28.37	71	22	11	3.2	17	49	3	11.000 - 10.989	0.2
	1/8	1005-020-049	G 1/4 RH	28.37	71	22	13	3.2	17	52	–	–	0.2
	1/8	1005-113-063	1/8 NPT RH	28.37	71	22	13	3.2	16	57	–	–	0.2
	1/8	1005-113-110	5/16-24 UNF	28.37	70	21	11	3	16	52	–	–	0.2
8	1/4	1102-070-029	5/8-18 UNF RH	41	80.8	28.4	16	6.4	22	55.4	–	–	0.4
	1/4	1102-070-079	5/8-18 UNF LH	41	80.8	28.4	16	6.4	22	55.4	–	–	0.4
	1/4	1102-070-081	1/4 NPT RH	41	80.9	28.6	16	6.4	22	62.5	–	–	0.4
	1/4	1102-070-082	1/4 NPT LH	41	80.9	28.6	16	6.4	22	62.5	–	–	0.4
	1/4	1102-070-103	G 1/4 RH	41	81	28	13	6.4	22	58	–	–	0.4
	1/4	1102-070-104	G 1/4 LH	41	81	28	13	6.4	22	58	–	–	0.4
10	3/8	1115-000-001	5/8-18 UNF RH	44	100	27	16	8.7	24	72	–	–	0.7
	3/8	1115-000-002	3/8 NPT RH	44	99	26	16	8.7	24	78	–	–	0.7
	3/8	1115-000-017	5/8-18 UNF LH	44	100	27	16	8.7	24	72	–	–	0.7
	3/8	1115-000-200	M 16 x 2 RH	44	99	26	16	8.7	24	71	–	–	0.7
	3/8	1115-000-205	G 3/8 RH	44	100	27	16	8.7	24	72	–	–	0.7
15	1/2	1205-000-001	1-14 UNS RH	57	112	33	19	16	36	78	–	–	0.7
	1/2	1205-000-003	1/2 NPT RH	57	113	34	22	12.7	28	83.1	–	–	0.7
	1/2	1205-000-025	3/4-16 UNF LH	57	114	35	19	12.7	28	79	–	–	0.7
	1/2	1205-000-039	3/4-16 UNF RH	57	114	35	19	12.7	30	79	–	–	0.7
	1/2	1205-000-151	G 1/2 RH	57	114	34	19	12.7	30	79	–	–	0.7
	1/2	1205-000-152	G 1/2 LH	57	114	34	19	12.7	30	79	–	–	0.7
	1/2	1205-000-170	M 20 x 1.5 RH	57	115	36	14	12.7	30	79	5	21.993 - 21.980	0.7
20	3/4	250-094-002	1-14 UNS RH	73	127	34	17	16.7	32	93	–	–	1.6
	3/4	250-094-012	M 22 x 1.5 RH	73	124	31	14	14.3	36	95	3	26.993 - 26.980	1.6
	3/4	250-094-016	1-14 UNS RH	73	148	54	19.1	15.9	41	101	12.7	31.700 - 31.687	1.6
	3/4	250-094-020	3/4 NPT RH	73	130	36.5	22	17.4	32	103	–	–	1.6
	3/4	250-094-284	G 3/4 RH	73	128	34	19	17.5	36	94	–	–	1.6
	3/4	250-094-285	G 3/4 LH	73	128	34	19	17.5	36	94	–	–	1.6
25	1	355-021-002	1 NPT RH	82	157	49	28.6	25.4	38	117.3	–	–	2.1
	1	355-021-016	1 1/2-12 UNF RH	82	167	59	19.1	25	38	107.8	12.7	39.649 - 39.637	2.1
	1	355-021-017	1 1/2-12 UNF LH	82	167	59	19.1	25	38	107.8	12.7	39.649 - 39.637	2.1
	1	355-021-019	1 1/2-12 UNF RH	82	156	48	27	25.4	38	107.2	–	–	2.1
	1	355-021-222	G 1 RH	82	151	42	22	25	36	108	–	–	2.1
40	1 1/2	452-000-001	1 1/2 NPT RH	108	196	62	30	38	54	144	–	–	4.5
	1 1/2	452-000-198	G 1 1/2 RH	108	206	71	29	38	55	147	–	–	4.5
	1 1/2	452-000-395	2-12 UNF RH	108	208	74	29	38	55	148	–	–	4.5

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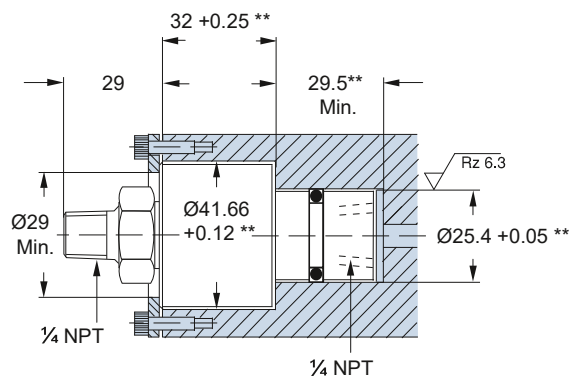
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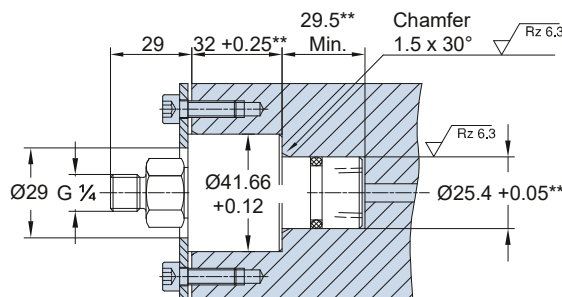
Deublin Rotary Unions – In-the-Shaft Mounted

To meet the specifications of engineering designs requiring minimum overhang, Deublin can provide unions which can be mounted in the shaft. With these models the only extensions beyond the end of the shaft are the supply line connections. Detailed drawings suggesting the application of these Deublin Rotary Unions to your installation will be submitted on request and without obligation.

Model 1102-025-103, DN 8

Operating Data		
Maximum Air Pressure	150 PSI	10 bar
Maximum Hydraulic Pressure	1,000 PSI	70 bar
Maximum Speed	3,500 RPM	3,500 min ⁻¹
Maximum Temperature	250 °F	121 °C

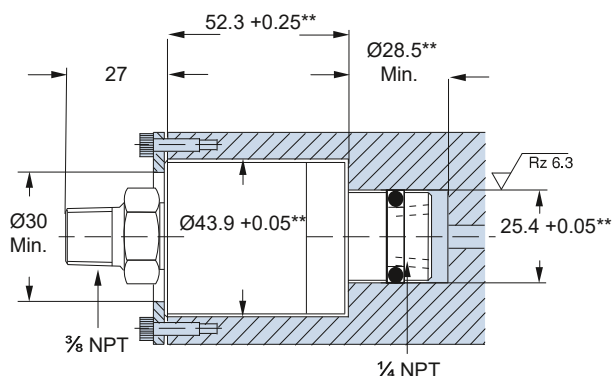
** Dimensions of Shaft Bore



Model 1115-130-002, DN 10

Operating Data		
Maximum Air Pressure	150 PSI	10 bar
Maximum Hydraulic Pressure	500 PSI	34 bar
Maximum Speed	3,500 RPM	3,500 min ⁻¹
Maximum Temperature	250 °F	121 °C

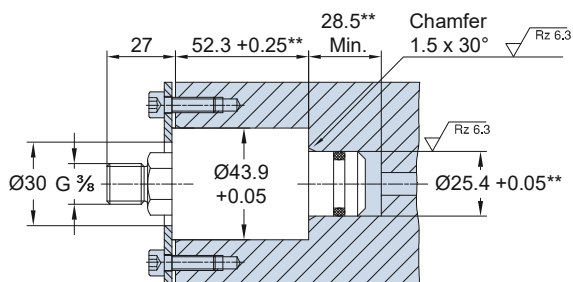
** Dimensions of Shaft Bore



Model 1115-130-205, DN 10

Operating Data		
Maximum Air Pressure	150 PSI	10 bar
Maximum Hydraulic Pressure	500 PSI	34 bar
Maximum Speed	3,500 RPM	3,500 min ⁻¹
Maximum Temperature	250 °F	121 °C

** Dimensions of Shaft Bore



Model 1116-319-248, DN 10

Operating Data		
Maximum Hydraulic Pressure	1,000 PSI	70 bar
Maximum Speed	3,500 RPM	3,500 min ⁻¹
Maximum Temperature	250 °F	121 °C



DO NOT RUN DRY

This model contains E.L.S. seals of silicon carbide to silicon carbide for long life on abrasive applications.

** Dimensions of Shaft Bore

