



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

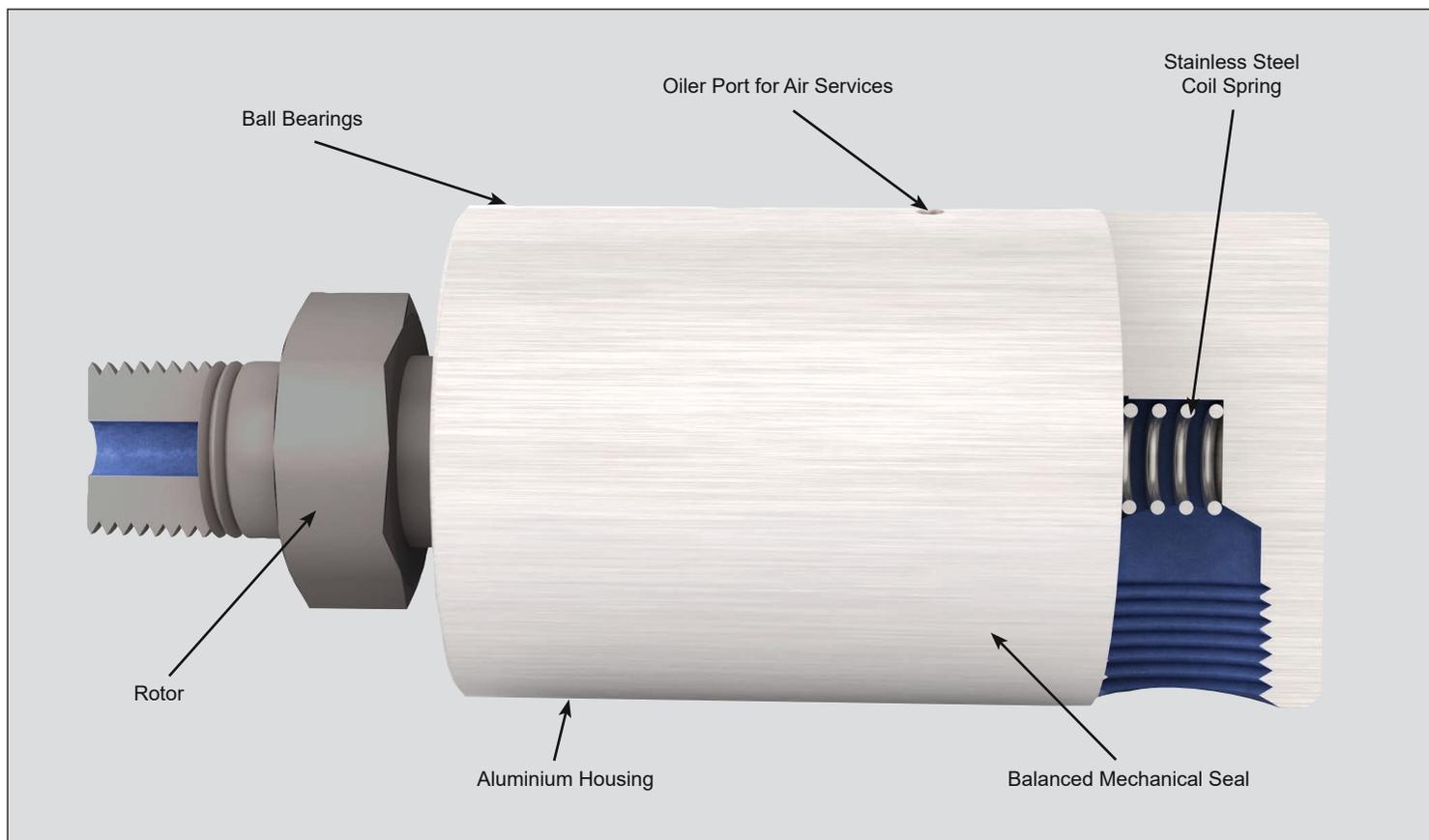
Operating Data

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
	Model 1005-1205	3,500 rpm	3,500 min ⁻¹
	250-094	3,500 rpm	3,500 min ⁻¹
Max. Speed NPT Threads	355-021	3,000 rpm	3,000 min ⁻¹
	452-000	2,500 rpm	2,500 min ⁻¹
	Model 1005-1205	1,500 rpm	1,500 min ⁻¹
Max. Temperature		250 °F	121 °C

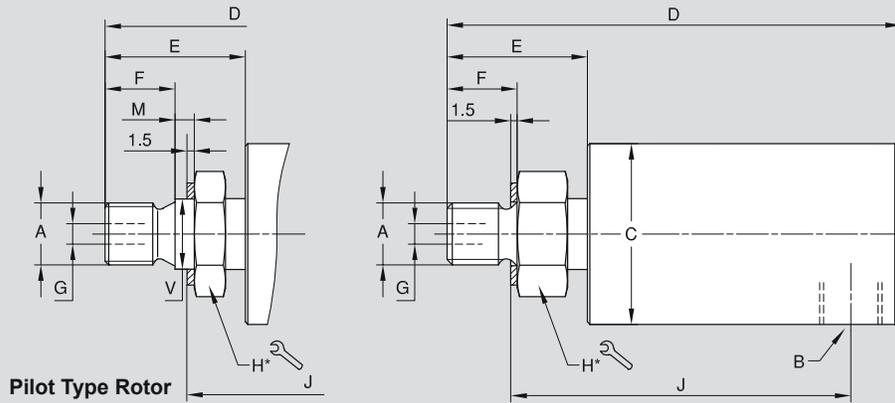
For higher temperature please consult Deublin.

Operation at max. pressure combined with max. speed is not permissible

For further information please contact Deublin or your local representative.



Monoflow Rotary Union



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

Pilot Type Rotor

DN	B NPT	Ordering-No	A Rotor Connections		C Ø	D	E	F	G Ø	H ⌀	J	M	V Ø	kg
6	-	1005-000-001	1/8 NPT (FEM)		28.37	73	26	-	3.2	-	-	-	-	0.2
	-	1005-000-038	1/8 NPT	RH	28.37	70	22	12.7	3.2	17	-	-	-	0.2
	-	1005-000-049	G 1/4	RH	28.37	70	22	13	3.2	17	-	-	-	0.2
	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	1102-025-103	G 1/4	RH	41.07	90	28.3	12.7	6.4	22	-	-	-	0.4
	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
	1/4	1115-130-002	3/8 NPT	RH	43.74	100	27	16	8.7	24	-	-	-	0.7
	1/4	1115-130-205	G 3/8	RH	43.74	102.5	27	16	8.7	24	-	-	-	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

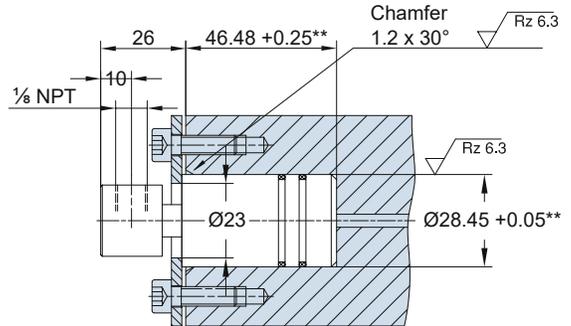
Deublin Rotary Unions – In-the-Shaft Mounted

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 1005-000-001, DN 6

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
Maximum Temperature	250 °F	121 °C

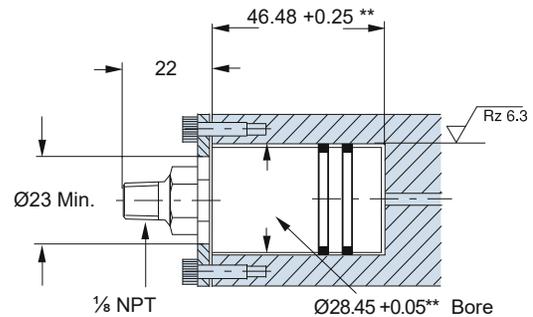
** Dimensions of Shaft Bore



Model 1005-000-038, DN 6

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
Maximum Temperature	250 °F	121 °C

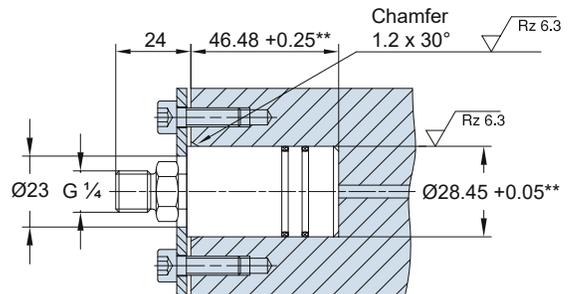
** Dimensions of Shaft Bore



Model 1005-000-049, DN 6

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
Maximum Temperature	250 °F	121 °C

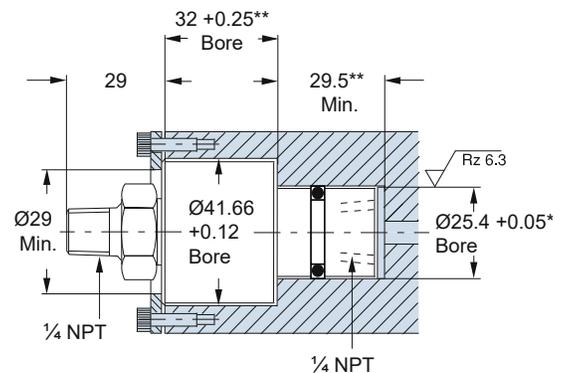
** Dimensions of Shaft Bore



Model 1102-025-081, 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
Maximum Temperature	250 °F	121 °C

** Dimensions of Shaft Bore

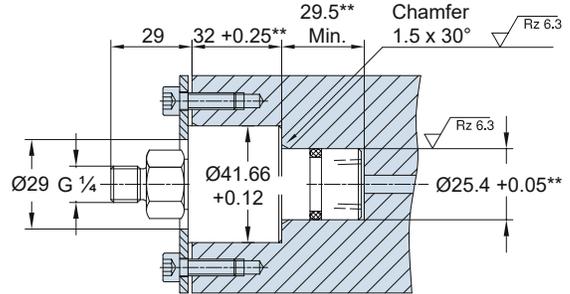


Deublin Rotary Unions – In-the-Shaft Mounted

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

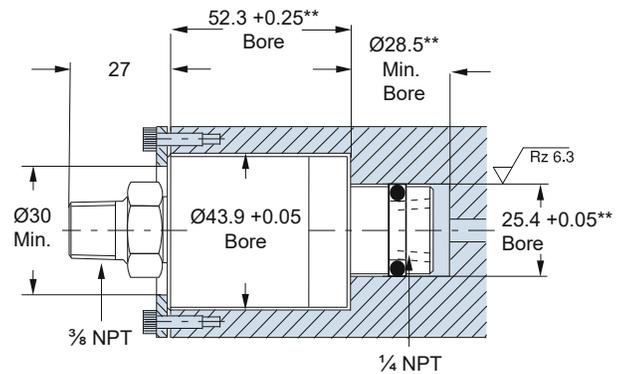
Operating Data		
Maximum Air Pressure	150 PSI	10 bar
Maximum Hydraulic Pressure	1,000 PSI	70 bar
Maximum Speed	3,500 RPM	3,500 /min
Maximum Temperature	250 °F	121 °C



** Dimensions of Shaft Bore

Model 1115-130-002, DN 10

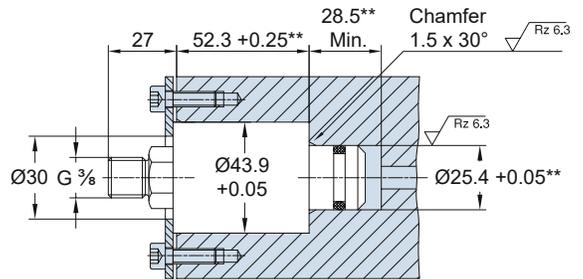
Operating Data		
Maximum Air Pressure	150 PSI	10 bar
Maximum Hydraulic Pressure	500 PSI	34 bar
Maximum Speed	3,500 RPM	3,500 /min
Maximum Temperature	250 °F	121 °C



** 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
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
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

