

DEUBLIN

Rotary Union 6000 Series Water Service, DN 50 – 100

- Monoflow and duoflow design
- Self-supported Rotary Union
- Radial housing connection
- Steel banded floating seal
- Easy and quick replacement of sealing components (rotor seal, floating seal)
- Full-media flow
- Vent slots
- Cast iron housing
- Steel rotor
- Balanced mechanical seal – standard: Carbon Graphite/Tungsten Carbide
- Lubrication Guide page 45

Operating Data

Max. Water Pressure		150 PSI	10 bar
Max. Speed		750 rpm	750 min ⁻¹
Torque for	Model	6200	4 FT.LBS 5,4 Nm
		6250	7 FT.LBS 9,5 Nm
		6300	8 FT.LBS 10,9 Nm
		6400	10 FT.LBS 13,6 Nm
Max. Temperature		250 °F	121 °C

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

Cast Iron Housing

Transport Lug

Cast Iron End Cap

Rotating Supply Pipe

Composite Bearing

Vent

Ball Bearings

Flange Rotor

Replaceable Rotor Seal

Replaceable Floating Seal

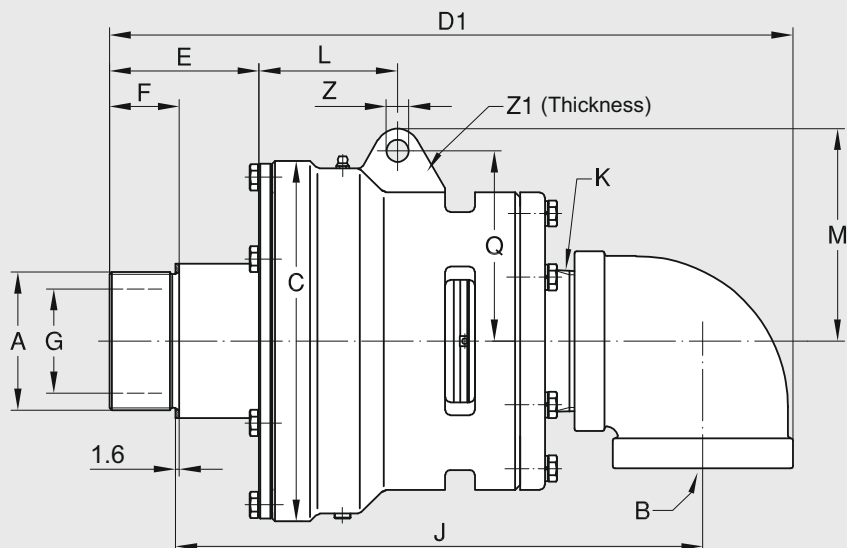
Deublin Exclusive On-The-Machine Repair Cartridge

Seals are replaced quickly and easily. There's no need to remove hose connections or use special tools.

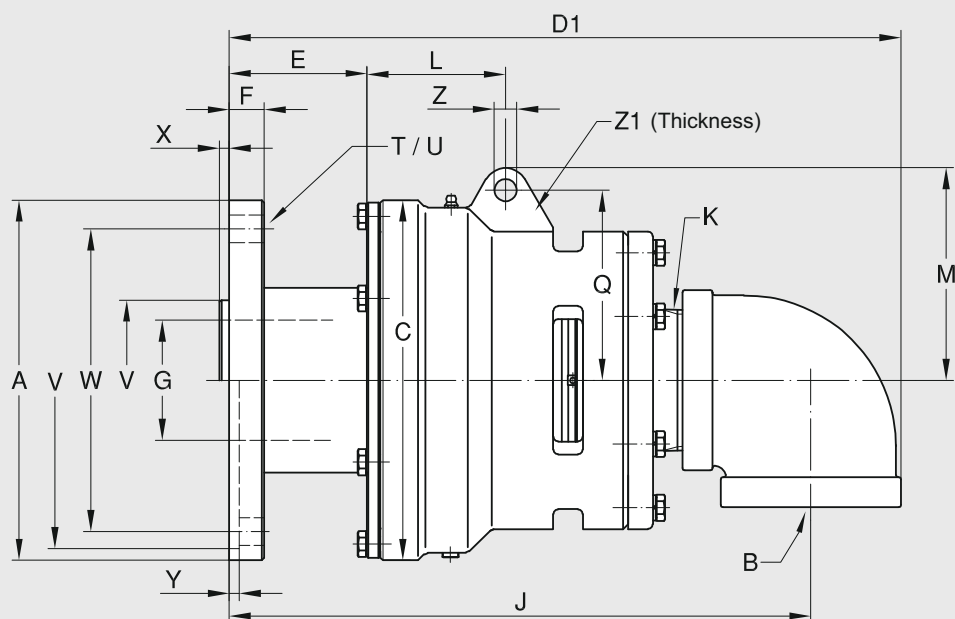
Make sure the system is cold and pressureless! Simply remove 6 hex bolts and end cap then remove floating seal cartridge and rotor seal face and replace with new seals. Rotor seal is keyed and sealed to the rotor with a built-in O-Ring. Replace end cap, hex bolts and safety wire. Detailed instructions available from Deublin.

Monoflow Rotary Union

Threaded Rotor



Flanged Rotor

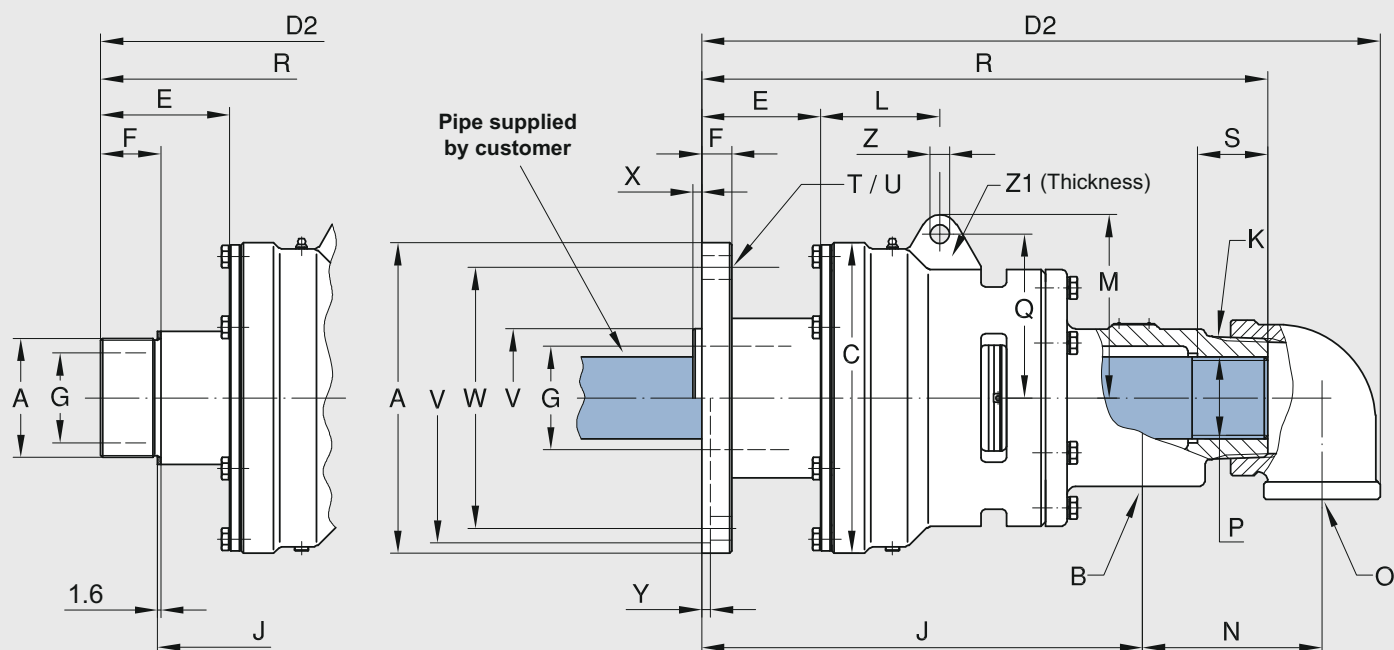


Flange O-Ring

(supplied by Deublin) for:
Model O-Ring Size
6200 94.6 x 5.33 Viton
6250 94.6 x 5.33 Viton
6300 126.4 x 5.33 Viton
6400 151.8 x 5.33 Viton

DN	B NPT	Ordering-No STD	A Rotor Connections	C Ø	D1	E	F	G Ø	J	K NPT	L	M	Q	T	U Ø	V ØPT	W Ø	X	Y	Z Ø	Z1	kg
50	2	6200-001-123	2 NPT RH	133	298	74	41	47.6	245	2	73	89	78	-	-	-	-	-	-	12.7	25.4	9.5
	2	6200-001-135	2 NPT LH	133	298	74	41	47.6	245	2	73	89	78	-	-	-	-	-	-	12.7	25.4	9.5
	2	6200-001-137	G 2 RH	133	292	66	29	47.6	228	2	73	90	78	-	-	-	-	-	-	12.7	25.4	9.5
	2	6200-001-139	G 2 LH	133	292	66	29	47.6	228	2	73	90	78	-	-	-	-	-	-	12.7	25.4	9.5
	2	6200-001-115	Flange Ø228.6	133	308	82	25.4	47.6	270	2	73	90	78	4 x 90°	17.5	211.25 211.20	162	-	6.4	12.7	25.4	16.5
65	2 1/2	6250-001-115	2 1/2 NPT RH	178	367	84	48	60.3	296	2 1/2	95	113	98	-	-	-	-	-	-	14.3	25.4	23
	2 1/2	6250-001-119	2 1/2 NPT LH	178	367	84	48	60.3	296	2 1/2	95	113	98	-	-	-	-	-	-	14.3	25.4	23
	2 1/2	6250-001-121	G 2 1/2 RH	178	367	84	38	60.3	283	2 1/2	95	113	98	-	-	-	-	-	-	14.3	25.4	23
	2 1/2	6250-001-123	G 2 1/2 LH	178	367	84	38	60.3	283	2 1/2	95	113	98	-	-	-	-	-	-	14.3	25.4	23
	2 1/2	6250-001-300	Flange Ø228.6	178	373	90	25.4	60.3	325	2 1/2	95	113	98	4 x 90°	17.5	211.25 211.20	162	-	6.4	14.3	25.4	27.7
80	3	6300-001-157	3 NPT RH	229	432	99	48	73	354	3	88	135	121	-	-	-	-	-	-	14.3	25.4	45.5
	3	6300-001-158	3 NPT LH	229	432	99	48	73	354	3	88	135	121	-	-	-	-	-	-	14.3	25.4	45.5
	3	6300-001-103	Flange Ø228.6	229	424	88	22.2	76.2	370	3	88	135	121	6 x 60°	17.5	101.70 101.65	192	6.4	-	14.3	25.4	52
100	4	6400-030-330	Flange Ø276	280	483	78	22.2	101.6	411	4	94	156	133	6 x 60°	20.6	120.62 120.55	228.6	7.5	-	16	32	77

Duoflow Rotary Union for Threaded Supply Pipe

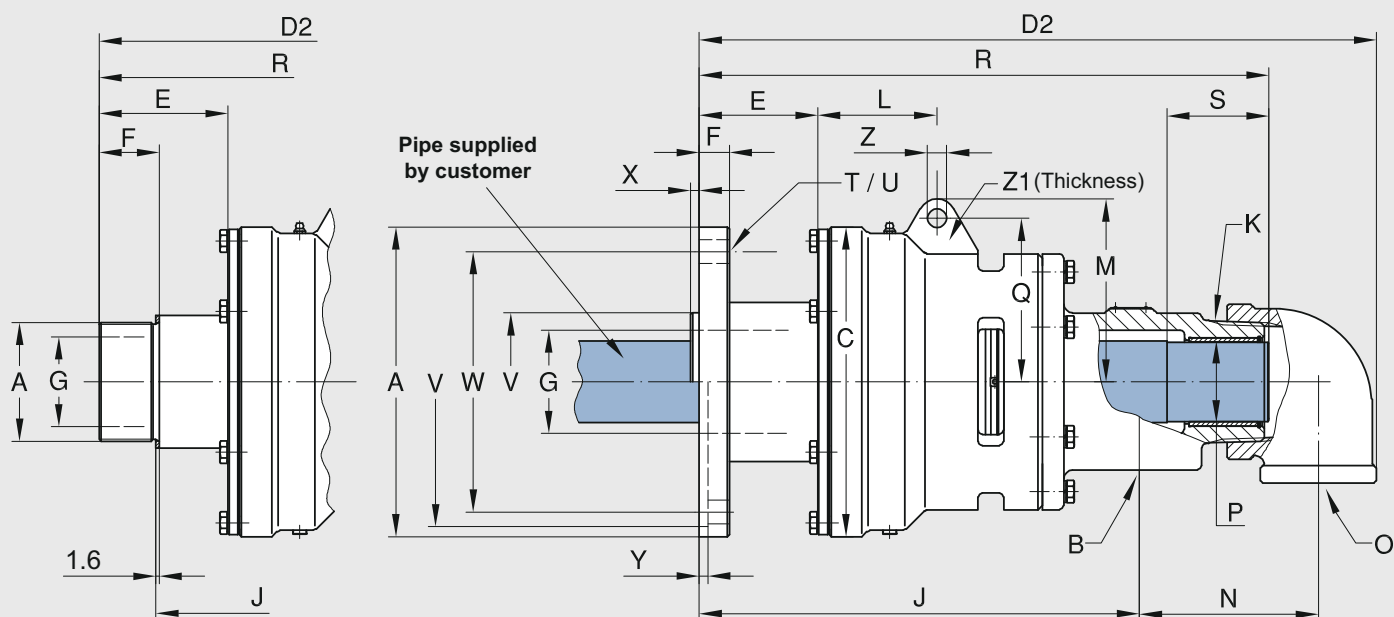


Duoflow Rotary Union

DN	B + O NPT	Ordering-No	A Rotor Connections	C Ø	D ₂	E	F	G Ø	J	K NPT	L	M	N	P Pipe
50	(2) x 1	6200-011-135	2 NPT LH	133	331	74	38	47.6	216	2	73	90	86	1 1/2 NPT
65	(2) x 1 1/2	6250-025-121	G 2 1/2 RH	178	410	84	38	60.3	234	2 1/2	95	111	110	G 1 1/2
	(2) x 1 1/2	6250-025-123	G 2 1/2 LH	178	410	84	38	60.3	234	2 1/2	95	111	110	G 1 1/2
	(2) x 1 1/2	6250-025-300	Flange Ø228.6	178	416	90	25	60.3	275	2 1/2	95	111	110	G 1 1/2
80	(2) x 2	6300-006-103	Flange Ø228.6	229	499	87	22.2	76	324	3	88	135	132	2 NPT
	(2) x 2	6300-025-103	Flange Ø228.6	229	502	87	22	76	324	3	88	135	132	G 2
100	(2) x 2 1/2	6400-024-330	Flange Ø276	280	548	78	22.2	101.6	350	4	95	156	144	2 1/2 NPT
	(2) x 2 1/2	6400-053-330	Flange Ø276	280	548	78	22.2	101.6	350	4	95	156	144	G 2 1/2

DN	B + O NPT	Ordering-No	Q	R	S	T	U Ø	V ØPT	W Ø	X	Y	Z Ø	Z ₁	kg
50	(2) x 1	6200-011-135	78	276	—	—	—	—	—	—	—	12.7	25.4	13.2
65	(2) x 1 1/2	6250-025-121	98	347	25	—	—	—	—	—	—	14.3	25.4	25.2
	(2) x 1 1/2	6250-025-123	98	347	25	—	—	—	—	—	—	14.3	25.4	25.2
	(2) x 1 1/2	6250-025-300	98	353	25	4 x 90°	17.5	211.25 211.20	162	—	6.4	14.3	25.4	29
80	(2) x 2	6300-006-103	121	416	28	6 x 60°	17.5	101.70 101.65	192	6.4	—	14.3	25.4	55
	(2) x 2	6300-025-103	121	416	28	6 x 60°	17.5	101.70 101.65	192	6.4	—	14.3	25.4	55
100	(2) x 2 1/2	6400-024-330	133	445	—	6 x 60°	20.6	120.625 120.600	228.6	7.5	—	16	32	77
	(2) x 2 1/2	6400-053-330	133	445	40	6 x 60°	20.6	120.625 120.600	228.6	7.5	—	16	32	77

Duoflow Rotary Union for Rotating Supply Pipe



DN	B + O NPT	Ordering-No	A Rotor Connections		C Ø	D ₂	E	F	G Ø	J	K NPT	L	M	N	P Pipe
50	(2) x 1	6200-002-123	2 NPT	RH	133	344	75	38	47.6	205	2	73	90	86	31.62 - 31.49
	(2) x 1	6200-002-137	G 2	RH	133	321	66	29	47.6	181	2	73	90	86	31.62 - 31.49
	(2) x 1	6200-002-139	G 2	LH	133	321	66	29	47.6	181	2	73	90	86	31.62 - 31.49
	(2) x 1	6200-002-115	Flange Ø228.6		133	337	82	25.4	47.6	223	2	73	90	86	31.62 - 31.49
65	(2) x 1 ½	6250-002-115	2 ½ NPT	RH	178	412	84	38	60.3	247	2 ½	95	113	110	47.42 - 47.37
	(2) x 1 ½	6250-002-119	2 ½ NPT	LH	178	412	84	38	60.3	247	2 ½	95	113	110	47.42 - 47.37
	(2) x 1 ½	6250-002-121	G 2 ½	RH	178	412	84	38	60.3	233	2 ½	95	113	110	47.42 - 47.37
	(2) x 1 ½	6250-002-123	G 2 ½	LH	178	412	84	38	60.3	233	2 ½	95	113	110	47.42 - 47.37
	(2) x 1 ½	6250-002-300	Flange Ø228.6		178	420	90	25.4	60.3	275	2 ½	95	113	110	47.42 - 47.37
80	(2) x 2	6300-002-157	3 NPT	RH	229	509	98	48	73	310	3	88	135	132	58.62 - 68.47
	(2) x 2	6300-002-103	Flange Ø228.6		229	499	87	22.2	76	324	3	88	135	132	58.62 - 68.47
100	(2) x 2 ½	6400-031-330	Flange Ø276		280	550	78	22.2	101.6	350	4	95	156	144	69.72 - 69.65
	(2) x 2 ½	6400-040-330	Flange Ø276		280	549	78	22.2	101.6	350	4	95	156	144	74.80 - 74.34

DN	B + O NPT	Ordering-No	Q	R	S	T	U Ø	V ØPT	W Ø	X	Y	Z Ø	Z ₁	kg
50	(2) x 1	6200-002-123	78	271	48	—	—	—	—	—	—	12.7	25.4	13.2
	(2) x 1	6200-002-137	78	267	48	—	—	—	—	—	—	12.7	25.4	13.2
	(2) x 1	6200-002-139	78	267	48	—	—	—	—	—	—	12.7	25.4	13.2
	(2) x 1	6200-002-115	78	284	48	4 x 90°	17.5	211.25 - 211.20	162	—	6.4	12.7	25.4	18.2
65	(2) x 1 ½	6250-002-115	98	340	54	—	—	—	—	—	—	14.3	25.4	25.2
	(2) x 1 ½	6250-002-119	98	340	54	—	—	—	—	—	—	14.3	25.4	25.2
	(2) x 1 ½	6250-002-121	98	346	54	—	—	—	—	—	—	14.3	25.4	25.2
	(2) x 1 ½	6250-002-123	98	346	54	—	—	—	—	—	—	14.3	25.4	25.2
	(2) x 1 ½	6250-002-300	98	352	54	4 x 90°	17.5	211.25 - 211.20	162	—	6.4	14.3	25.4	31.8
80	(2) x 2	6300-002-157	121	411	75	—	—	—	—	—	—	14.3	25.4	55
	(2) x 2	6300-002-103	121	420	75	6 x 60°	17.5	101.700 - 101.695	192	6.4	—	14.3	25.4	55
100	(2) x 2 ½	6400-031-330	133	451	76	6 x 60°	20.6	120.625 - 120.600	228.6	7.5	—	16	32	77
	(2) x 2 ½	6400-040-330	133	446	100	6 x 60°	20.6	120.625 - 120.600	228.6	7.5	—	16	32	77

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