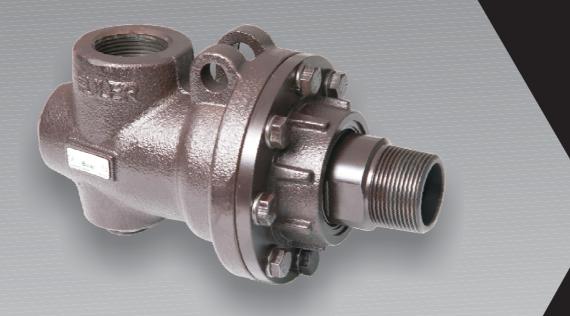


Bulletin 1001

SS Rotary Joints For Steam





The **EULER SS Steam Rotary Joint** is a flexible design offered in monoflow, duoflow fixed pipe and duoflow rotating pipe models. This Joint offers superior performance for industries such as plastics, rubber, paper, roofing products, textile, to name just a few.



Design Features

- Antimony Impregnated Seals and Bushings provide 3X the life of standard seals and bearings.
- Hardened sleeve is QPQ treated for extreme wear and corrosion resistance.
- Convex seal is self-aligning and under compression for greater strength and shock resistance.
- Antimony Impregnated Carbon Bushings are under compression and widely spaced.
 Provides improved support of the joint and siphon pipe.
- A Seal Life Indicator allows preventive maintenance and easy repair with an inexpensive repair kit.
- Additional port allows installing instrumentation

Sizes 1/2" to 3"

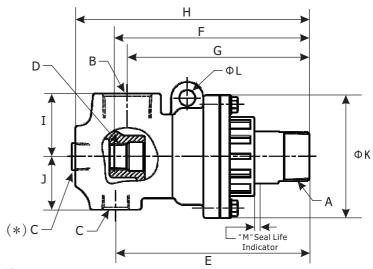
Operating Parameters

Temperature:	+406°F/+ 208°C
Pressure Rating:	
Sizes 1/2" to 1-1/2"	250 PSI / 17.2 BAR
Sizes 2" to 3"	225 PSI / 15.5 BAR



DUO-FLOW Fixed Siphon



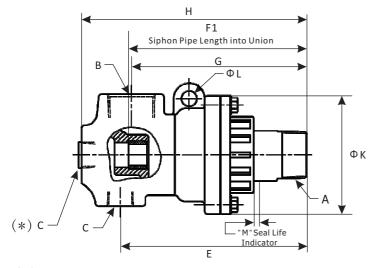


 $(\ensuremath{\ensuremath{\ast}})$ Sealed plug can be removed for instrumentation

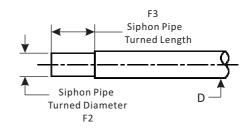
Joint Size	Part Number	А	В	С	D Siphon Thread	E	F	G	н	ı	J	ФК	ФЬ	M
	EU-20008-00	1/2" NPT RH	1/2" NPT	4 /4" NIDT	4 /0" NDT	5 42 II	F 42"	4.61	F 02"	1.621	4.461	2 2011		4011
1 /2 !!	EU-20008-01	1/2" NPT LH		1/4" NPT	1/8" NPT	5.43"	5.12"	4.6"	5.93"	1.62"	1.16"	3.29"	_	.19"
1/2"	EU-20008-04	R 1/2" RH	R 1/2"	/ - !!		407.0	122.0	116.8	150.6	41.15	29.46	83.6	_	4.8
	EU-20008-05	R 1/2" LH		R 1/4"	R 1/8"	137.9	130.0							
	EU-20012-00	3/4" NPT RH	3/4" NPT	1 /2 " NIDT	1 /4" NIDT	F 22"	5.04"	4.6"	C 22"	1 75"	1.25"	3.54"		.19"
3/4"	EU-20012-01	3/4" NPT LH		1/2" NPT	1/4" NPT	5.22"	5.31"	4.6	6.23"	1.75"	1.25	3.54	l	.19
3/4	EU-20012-04	R 3/4" RH	D 2 /4"	R 1/2"	R 1/4"	132.6	134.9	116.8	158.2	44.45	31.75	89.9	_	4.0
	EU-20012-05	R 3/4" LH	R 3/4"	K 1/2	K 1/4	152.0	154.9	110.8	156.2	44.45	31./3			4.8
	EU-20016-00	1" NPT RH	1" NPT	1/2" NPT	2 /0" NIDT	6.02"	6.1"	5.27"	7 07"	2 06"	1.25"	3.88"	.50"	.25"
1"	EU-20016-01	1" NPT LH	1 NPI	1/2 NP1	3/8" NPT	6.02"	6.1	5.27	7.07"	2.06"	1.25	3.88		
1	EU-20016-04	R 1" RH	R 1"	R 1/2"	R 3/8"	152.9	154.9	133.9	179.6	52.32	31.75	98.55	12.7	6.4
	EU-20016-05	R 1" LH	KI											
	EU-20020-00	1-1/4" NPT RH	1-1/4" NPT	3/4" NPT	1/2" NPT	7.05"	7.31"	6.74"	8.66"	2.19"	1.78"	4.76"	.62"	.25"
1-1/4"	EU-20020-01	1-1/4" NPT LH												.23
1-1/4	EU-20020-04	R 1-1/4" RH	R 1-1/4"	R 3/4"	R 1/2"	179.1	185.7	171.2	220.0	55.62	45.21	120.9	15.7	6.4
	EU-20020-05	R 1-1/4" LH												
	EU-20024-00	1-1/2" NPT RH	1 1 /2" NIDT	3/4" NPT	3/4" NPT	7.54"	7.59"	7.1"	9.09"	2.44"	2.06"	4.95"	.62"	.25"
1-1/2"	EU-20024-01	1-1/2" NPT LH	1-1/2" NPT		3/4 NF1	7.54	7.55							.23
1-1/2	EU-20024-04	R 1-1/2" RH	R 1-1/2"	R 3/4"	R 3/4"	191.5	192.8	180.3	230.9	61.98	52.32	125.7	15.7	6.4
	EU-20024-05	R 1-1/2" LH												
	EU-20032-00	2" NPT RH	2" NPT	1-1/4" NPT	3/4" NPT	8.68"	8.68"	8.12"	10.69	2.75"	2.56"	6.28"	.62"	.31"
2"	EU-20032-01	2" NPT LH	2 1011	1-1/4 NF1	3/4 NF1	8.00	0.00	0.12	10.03	2.75	2.30	0.28	.02	.51
	EU-20032-04	R 2" RH	R 2"	R 1-1/4"	R 3/4"	220.5	220.5	5 206.2	271.5	69.85	65.02	150 5	15 7	7.9
	EU-20032-05	R 2" LH	IV Z	N 1-1/4	11 3/4	220.5	220.5					159.5	15.7	
	EU-20040-00	2-1/2" NPT RH	2-1/2" NPT	1-1/4" NPT	1" NPT	10.2"	10.3"	9.82"	12.51"	3.0"	2.50"	7.15"	.75"	.25"
2-1/2"	EU-20040-01	2-1/2" NPT LH	Z-1/Z NF1	1-1/4 NF1	I. NAI	10.2	10.3	9.82			2.50"	7.13	./5"	
2-1/2"	EU-20040-04	R 2-1/2" RH	D 2 1 /2"	R 1-1/4"	R 1"	259.1	261.6	249.4	317 8	76.20	63.50	181.6	19.1	6.4
	EU-20040-05	R 2-1/2" LH	R 2-1/2"		K 1	259.1	261.6	243.4	19.4 317.8			101.0	13.1	
	EU-20048-00	3" NPT RH	3" NPT	1-1/2" NPT	1-1/2" NPT	10.92"	11.09"	10.73"	13.1"	3.62"	2.88"	8.08"	.94"	.25"
3"	EU-20048-01	3" NPT LH	3 141 1	± 1/2 NT	- 1/2 IVF I	10.52	11.03	10.73	13.1	3.02	2.00	5.00	.54	.23
	EU-20048-04	R 3" RH	ויב פ	R 1-1/2"	R 1-1/2"	277.4	281.7	272.5	332.7	91.95	73.15	205.2	23.9	6.4
	EU-20048-05	R 3" LH	R 3"	N I I/Z	N 1 1/2	277.4	201./	212.3	332.7	51.55	75.15	203.2	23.3	0.4

Other sleeve connections available. Contact Euler.





Duo-Flow & Rotating Siphon



(*) Sealed plug can be removed for instrumentation

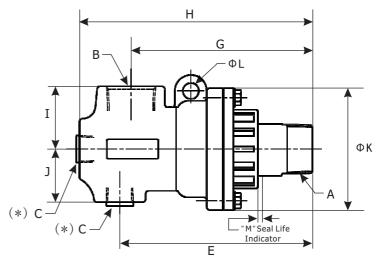
Joint Size	Part Number	А	В	С	D Siphon pipe size	E	F1 Length in union	F2 Pipe Dia.	F3 Turned length	G	Н	ФК	ФЬ	М
1/2"	EU-21008-00	1/2" NPT RH	1/2" NPT	1/4" NPT	1/8"	5.43"	5.19"	.371"372"	1.125"	4.6"	5.93"	3.29"	_	.19"
	EU-21008-01	1/2" NPT LH	1/2 NP1	1/4 NP1	1/6	5.45			1.123	4.0				.19
1/2	EU-21008-04	R 1/2" RH	D 1 /2"	R 1/4"	1 /0"	137.9	131.83	9.42-9.45	28.6	117	150.6	83.6	_	4.8
	EU-21008-05	R 1/2" LH	R 1/2"		1/8"	157.9			20.0	117	150.6			
	EU-21012-00	3/4" NPT RH	3/4" NPT	4 (2 1 1 2	1/4"	F 22"	5.13"	.496"497"	1.125"	4.6"	6.23"	3.54"	_	.19"
3/4"	EU-21012-01	3/4" NPT LH	3/4 NPT	1/2" NPT	1/4	5.22"			1.125		0.23			.19
3/4	EU-21012-04	R 3/4" RH	D 2 /4 !!	D 1 /2 !!	1 /4 !!	122.6	130.30	12 (0 12 (2	20.6	117	150.3	00.0		4.0
	EU-21012-05	R 3/4" LH	R 3/4"	R 1/2"	1/4"	132.6		12.60-12.62	28.6	117	158.2	89.9	_	4.8
	EU-21016-00	1" NPT RH	1 " NIDT	1 /2 !! NIDT	2 /0 !!	6.02"	6.14"	.621"622"	1.25"	5 07"	7.07"	3.88"	.50"	.25"
1"	EU-21016-01	1" NPT LH	1" NPT	1/2" NPT	3/8"					5.27"				.25
1	EU-21016-04	R 1" RH	D 1 II	R 1/2"	3/8"	152.9	155.96	15.77-15.80	31.75	134	179.6	98.6	12.7	6.4
	EU-21016-05	R 1" LH	R 1"											
	EU-21020-00	1-1/4" NPT RH		3/4" NPT	1/2"	7.05"	7.53"	.808"810"	1.50"	6.74"	8.66"	4.76"	.62"	.25"
1 1 / 4 !!	EU-21020-01	1-1/4" NPT LH	1-1/4" NPT											
1-1/4"	EU-21020-04	R 1-1/4" RH	5.4.4.4.11	R 3/4"	1/2"	179.1	101.26	20.52-20.57	38.1	171	220.0	121	15.7	6.4
	EU-21020-05	R 1-1/4" LH	R 1-1/4"				191.26							
	EU-21024-00	1-1/2" NPT RH	4 4 /2 NIDT	2 /4 !! NIDT	2 /4 !!	7.54"	7.53"	.995"997"	1.50"	7.1"	9.09"	4.95"	.62"	.25"
1 1 /2 !!	EU-21024-01	1-1/2" NPT LH	1-1/2" NPT	3/4" NPT	3/4"	7.54	7.53		1.50					
1-1/2"	EU-21024-04	R 1-1/2" RH	D 4 4 /2 II	R 3/4"	2 / 4 !!	191.5	101.26	25.27-25.32	20.4	180	230.9	126	15.7	6.4
	EU-21024-05	R 1-1/2" LH	R 1-1/2"		3/4"	191.5	191.26		38.1					
	EU-21032-00	2" NPT RH	2" NDT	4 4 /4UNDT	2/4"	0 60"	0.42"	4 245 4 247	2.00"	0.40"		C 2011	62"	.31"
2"	EU-21032-01	2" NPT LH	2" NPT	1-1/4" NPT	3/4"	8.68"	8.43"	1.245"-1.247"	2.00"	8.12"	10.69	6.28"	.62"	.31
2	EU-21032-04	R 2" RH	יים ח	D 1 1/4"	2 /4"	220 5	214.12	21 62 21 67	FO 9	206	274.5	160	15.7	7.0
	EU-21032-05	R 2" LH	R 2"	R 1-1/4"	3/4"	220.5	214.12	31.62-31.67	50.8	206	271.5	160	15.7	7.9
	EU-21040-00	2-1/2" NPT RH	2 1 /2" NDT	1 1/4" NDT	1"	10.2"	10.00"	1.495"-1.497"	2 25"	9.82"	12 [1"	7 1 5 11	75"	25"
2 1 /2 !!	EU-21040-01	2-1/2" NPT LH	2-1/2" NPT	1-1/4" NPT	1"	10.2"	10.08"		2.25"		12.51"	7.15"	.75"	.25"
2-1/2"	EU-21040-04	R 2-1/2" RH	D 2 4 /2 II		1"	259.1	256.03	37.97-38.02	F7.3	249	317.8	182	19.1	6.4
	EU-21040-05	R 2-1/2" LH	R 2-1/2"	R 1-1/4"					57.2					
	EU-21048-00	3" NPT RH	2 U N D T	4.4/2" NDT	1 1 /2"	10.03"	11.00	1 745 4 747	2.25"	10.72"	12.4"	0.00"	0.4"	25"
2.11	EU-21048-01	3" NPT LH	3" NPT	1 1/2" NPT	1-1/2"	10.92"	11.09	1.745"-1.747"	2.25"	10.73"	13.1"	8.08"	.94"	.25"
3"	EU-21048-04	R 3" RH	D 2 !!	D 1 4 /2 !!	1 1 /2 !!	277.4	201.00	44 22 44 27	F.7.2	272	222.7	205	22.0	C 1
	EU-21048-05	R 3" LH	R 3"	R 1-1/2"	1-1/2"	277.4	281.69	44.32-44.37	57.2	273	332.7	205	23.9	6.4

Other sleeve connections available. Contact Euler.



MONO-FLOW





 $(\ensuremath{\ensuremath{\ast}}) \mbox{ Sealed plug can be removed for instrumentation}$

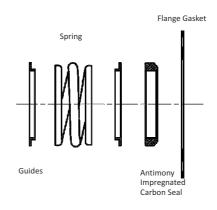
Joint Size	Part Number	А	В	С	E	G	Н	1	J	ФК	ФЬ	М
	EU-22008-00	1/2" NPT RH	4 (0 1 1 1		5 40 !!		5 00"	4.60"	1.16"	3.29"	_	.19"
4 /2 !!	EU-22008-01	1/2" NPT LH	1/2" NPT	1/4" NPT	5.43"	4.6"	5.93"	1.62"				
1/2"	EU-22008-04	R 1/2" RH	D 4 /2 II	5.4./4"	107.0		150.6	41.15	29.46	83.6	_	4.0
	EU-22008-05	R 1/2"LH	R 1/2"	R 1/4"	137.9	116.8						4.8
	EU-22012-00	3/4" NPT RH	. / . !!	4 /2 NIDT			6 22"	"		2.5411		4011
2 / 4 //	EU-22012-01	3/4" NPT LH	3/4" NPT	1/2" NPT	5.22"	4.6"	6.23"	1.75"	1.25"	3.54"	_	.19"
3/4"	EU-22012-04	R 3/4" RH	D 2 /4 II	D 4 /2 II	122.6	116.0	450.2	44.45	24.75	00.0		4.0
	EU-22012-05	R 3/4" LH	R 3/4"	R 1/2"	132.6	116.8	158.2	44.45	31.75	89.9	_	4.8
	EU-22016-00	1" NPT RH	4 II NIDT	4 /2 NIDT	C 02	F 27"	7 0711	2.06"	4 25 !!	2.00	5011	2511
4"	EU-22016-01	1" NPT LH	1" NPT	1/2" NPT	6.02"	5.27"	7.07"	2.06"	1.25"	3.88"	.50"	.25"
1"	EU-22016-04	R 1" RH	D 4 II	D 4 /0 II	450.0	133.9	179.6	52.32	31.75	98.6	12.7	6.4
	EU-22016-05	R 1" LH	R 1"	R 1/2"	152.9							6.4
	EU-22020-00	1-1/4" NPT RH		3/4" NPT	7.05"	6.74"	8.66"	2.19"	1.78"	4.76"	.62"	
4 4 / 4 !!	EU-22020-01	1-1/4" NPT LH	1-1/4" NPT									.25"
1-1/4"	EU-22020-04	R 1-1/4" RH	5 4 4 / 4 !!	R 3/4"	179.1	171.2	220.0	55.62	45.21	120.9	15.7	6.4
	EU-22020-05	R 1-1/4" LH	R 1-1/4"									6.4
	EU-22024-00	1-1/2" NPT RH		3/4" NPT				2.44!!	2.06"	4.95"	.62"	
4 4 /2 !!	EU-22024-01	1-1/2" NPT LH	1-1/2" NPT		7.54"	7.1"	9.09"	2.44"				.25"
1-1/2"	EU-22024-04	R 1-1/2" RH	R 1-1/2"	R 3/4"	104.5	100.0	222.0	64.00	52.32	125.7	15.7	6.4
	EU-22024-05	R 1-1/2" LH			191.5	180.3	230.9	61.98				6.4
	EU-22032-00	2" NPT RH	2 II NIDT	4.4/4 NIDT	8.68"	0 12"	10.60	2.75"	2.561	6.20"	6211	2411
2.11	EU-22032-01	2" NPT LH	2" NPT	1-1/4" NPT	8.68"	8.12"	10.69	2.75"	2.56"	6.28"	.62"	.31"
2"	EU-22032-04	R 2" RH	D 2	D 1 1 / 4 !!	220.5	206.2	271 5	271.5 69.85	65.02	150.5	15.7	7.0
	EU-22032-05	R 2" LH	R 2"	R 1-1/4"	220.5	206.2	2/1.5			159.5	15.7	7.9
	EU-22040-00	2-1/2" NPT RH	2 4 /2 NDT	1 1 /4"NDT	10.2"	0.02"	12.51"	.51" 3.0"	2.50"	7 1 5 11	75"	25"
2 1 /2 !!	EU-22040-01	2-1/2" NPT LH	2-1/2" NPT	1-1/4" NPT	10.2"	9.82"	12.51		2.50"	7.15"	.75"	.25"
2-1/2"	EU-22040-04	R 2-1/2" RH	R 2-1/2"	D 1 1/4"	259.1	240.4	217.0	76.20	63.50	101.6	10.1	6.4
	EU-22040-05	R 2-1/2" LH	K Z-1/Z"	R 1-1/4"		249.4	317.8			181.6	19.1	6.4
	EU-22048-00	3" NPT RH	2" NDT	1 1 /2 NDT	10.92"	10 72"	12 11	3.62"	2 00"	0.00"	0.411	25"
3"	EU-22048-01	3" NPT LH	3" NPT	1-1/2" NPT		10.73"	15.1"		2.88"	8.08"	.94"	.25"
5"	EU-22048-04	R 3" RH	D 3 "			272.5	225 -	91.95	73.15	205.2	22.0	C. 1
	EU-22048-05	R 3" LH	R 3"	R 1-1/2"	277.4	272.5	332.7				23.9	6.4

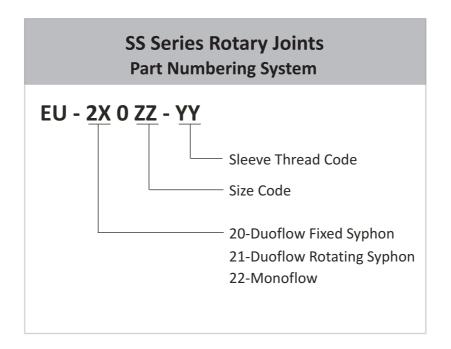


Repair Kits

Joint Size	Part Number
1/2"	48-200-08-00
3/4"	48-200-12-00
1"	48-200-16-00
1-1/4"	48-200-20-00
1-1/2"	48-200-24-00
2"	48-200-32-00
2-1/2"	48-200-40-00
3"	48-200-48-00

Repair Kit Parts





EULER MISSION STATEMENT

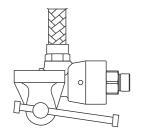
The goal of the EULER Company is to supply our customers the highest quality rotary unions and joints that are competitively priced and offer the best delivery in the industry.

EULER will work to partner with our customers to initiate new products and applications, along with internal programs for continuous product improvements and cost containment.

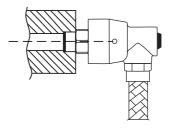


Installation Instructions

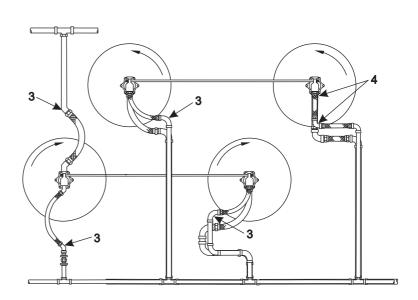
1. Always use a flexible hose rated for the media, pressure and temperature. Avoid side loading the union with the hose.



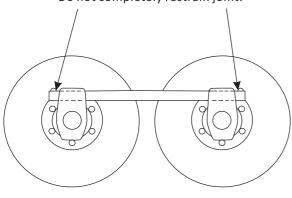
2. Always attach the hose before installing on the machine. Clamp rear of union in a bench vise.



- 3. Do not install hose taut. Use 45' or 90' elbows to avoid kinking.
- 4. In tight installations use vertical and horizontal hoses connected by a 90' elbow.



Leave clearance
Do not completely restrain joint.



Anti-Rotation rods may be installed either horizontally or vertically.

- 5. If union has an anti-rotation lug use pipe or solid rod between unions or machine frame. Install anti-rotation rod loosely allowing free movement of the union.
- 6. Suggested Anti-Rotation Rod Size
 1" Union 3/8" dia. Max
 1 1/4" to 2" Union 1/2"dia. Max
 2 1/2"Union 5/8" dia. Max
 3" Union 3/4" dia. Max

ADDITIONAL EULER ENGINEERED PRODUCTS



Euler

Email: info@eulerinc.com www.eulerinc.com

EULER Canada

6A-170 The Donway West, Suite #815, Toronto, ON Canada M3C 2E8 Tel.: (416)786-7053

EULER USA

180 S. Western Ave., Suite #145 Carpentersville, IL 60110 Tel.: (815)669-3702

EULER China

55 Zhanwang Road, Yingzhou Economic Development Zone, Ningbo, China 315145 Tel.: +86(574)87806387 The EULER WS/WSX Rotary Unions have premium features not found in other unions such as low torque, seals for filtered and unfiltered media and is RoHS compliant.

Request Bulletin 1002 or visit www.eulerinc.com for complete information.