Standard Rotary Unions

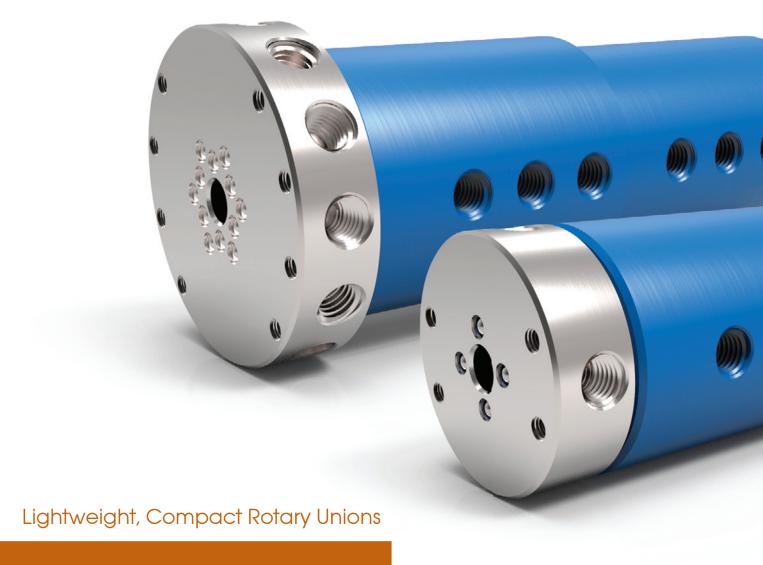
BONDY

INDUSTRIAL EQUIPMENT SUPPLIER

For ordering and questions call

(+45) 70 15 14 14





LT Series

FLOW PASSAGE OPTIONS

2





12









Contents

- What is a Rotary Union?
- Overview
- How To Order 5
- 7 Specifications & Operating Information
- 8 Performance Data
- 10 LT 2 Passage Dimensions / Optional Equipment
- 12 LT 4 Passage Dimensions / Optional Equipment
- LT 8 Passage Dimensions / Optional Equipment 14
- LT 12 Passage Dimensions / Optional Equipment 16
- LT 24 Passage Dimensions / Optional Equipment
- Customer Interface using O-Ring Seal Connection 20
- 21 **Electrical Slip Ring Integration Options**
- Installation & Mounting

About DSTI

Dynamic Sealing Technologies, Inc. (DSTI) serves a wide range of global industries as a leader in engineered fluid sealing and transfer solutions for rotating applications.

DSTI core business segments are fluid rotary unions, electrical slip rings, and value-added products and services—providing customers with a single-source solution from design and manufacturing through to testing and qualification—all under one roof. Located in North America and Europe with a team of distribution partners and technical support specialists worldwide.

Learn more at www.dsti.com



DID YOU KNOW?

DSTI products can be purchased Online at store.dsti.com.





What is a Rotary Union?

A rotary union (or swivel joint) is a mechanism used to transfer fluid (under pressure or vacuum) from a stationary inlet to a rotating outlet, preserving and isolating the fluid connection.

Rotary unions are engineered to endure a wide range of temperatures and pressures for a variety of conditions and environments. In addition, rotary unions may integrate multiple passages and handle different types of fluid simultaneously.

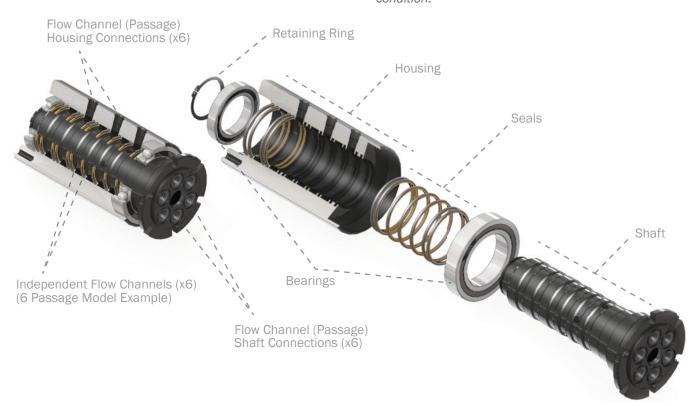
See examples at www.dsti.com/industries

HOW DO I CHOOSE THE BEST ROTARY UNION FOR MY APPLICATION?

Tell us about your requirements so we can make a recommendation:

- 1) Type of media(s) / fluid(s) to be transferred
- 2) Number of independent flow channels (passages)
- 3) Operating pressure
- 4) Operating temperature
- 5) Operating speed
- 6) Shaft & housing connection type
- 7) Flow channel (passage) size
- 8) Torque & load requirements
- 9) Duty cycle*

*Does the temperature, speed or pressure fluctuate or change during operation? If so, please provide the detailed ranges for each parameter and time durations of each condition.





Overview

- Low Torque Seals
- Compact Design
- Lightweight Construction
- NPT / BSPT / O-Ring Connection Options
- Low Heat Generation
- Increased Seal Life Performance
- Cost-effective Fluid Transfer Solution
- **Custom Modifications Available**

Available in 2, 4, 8, 12 and 24 passage models, the LT Series rotary unions are designed for air, gas and vacuum use and are ideal for a number of automation and robotic applications. These lightweight, compact rotary unions feature an all-aluminum construction and independent flow passages capable of transferring different types of media simultaneously.



All LT Series models come standard with threaded connections on the sides of the shaft and housing. Models are also available with optional shaft O-ring face seal glands for flush mounting the union to an interface (must be specified when ordering).

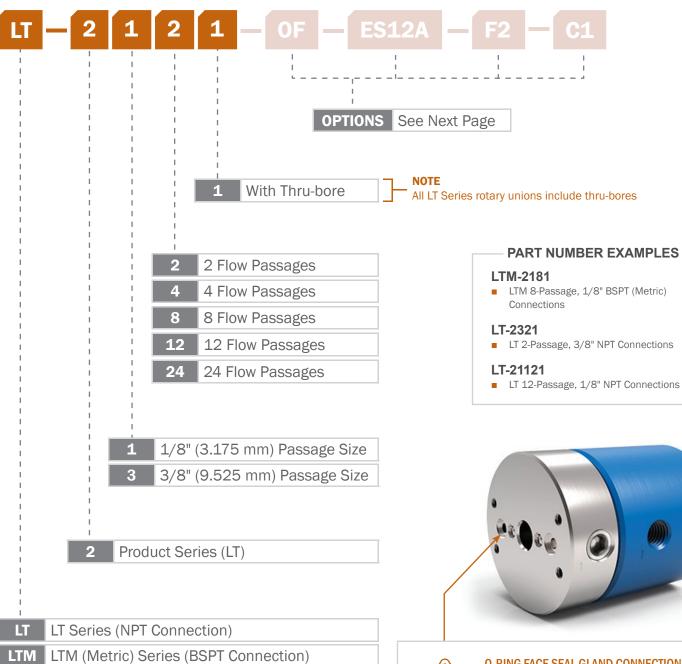


PRODUCT DOWNLOADS

For Catalogs, Brochures, Models and Drawings visit www.dsti.com/downloads



How to Order: Create your Part Number



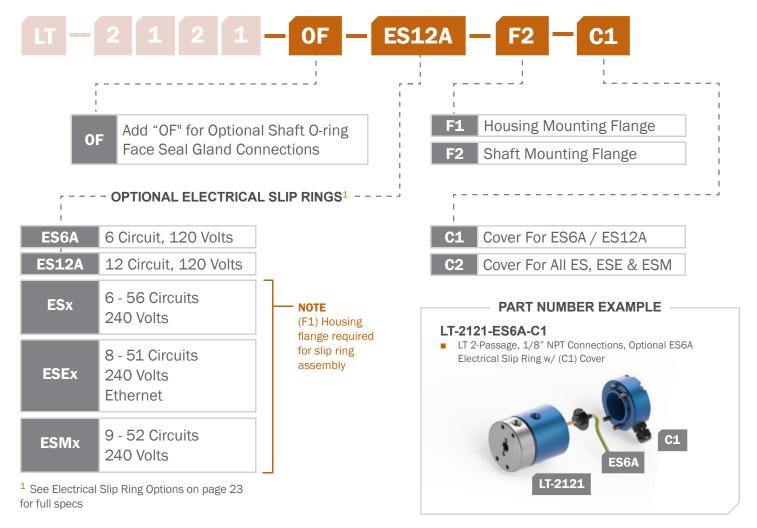


O-RING FACE SEAL GLAND CONNECTIONS

If your application requires flush mounting the rotary union using the face of the shaft, optional O-ring face seal gland connections are available. Please specify "OF" when configuring the part number (see page 6).



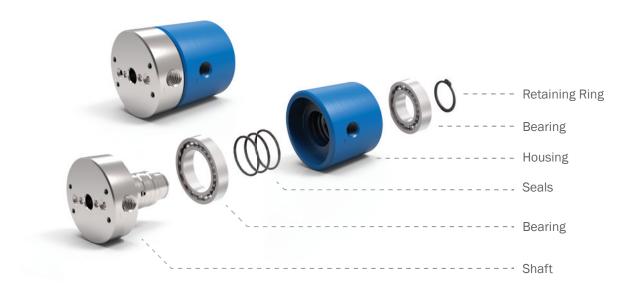
How to Order: Choose your Options



PART NUMBER EXAMPLE LT-2121-OF-ES12-F1-F2-C2 ■ LT 2 Passage, 1/8" NPT Housing Connections, Optional O-ring Face Seal Gland Connections, ES12 Electrical Slip Ring w/ (C2) Cover and Required (F1) Housing Mounting Flange, Additional (F2) Shaft Mounting Flange **ES12** LT-2121-0F F2



Specifications & Operating Information

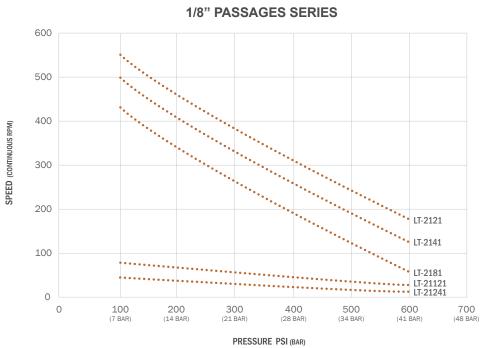


Flow Passage Options	2	4	8	12	24					
Media Types			Air/Gas ⁴							
Passage Sizes		1/8" aı	nd 3/8" (3.2 mm and	d 9.5 mm)						
Connection Type		NF	PT, R _c BSPT, O-ring Face	Seals						
Max. Operating Pressure		600 PSI (40 BAR) ¹								
Max. Vacuum		30 HG ¹								
Max. Rotational Speed		500 RPM ²								
Operating Temperature		O° F t	o 220° F (-18° C to	105° C) ³						
Body Material Type			Aluminum							
Platings and Coatings		Shaft: E	-Nickel, Housing: Bl	ue Anodize						
Thru-bore Size		.375"	440" (9.525 mm - 1	1.176 mm)						
Slip Ring Options			See Page 20							
Mounting Options	Tapped holes	s are provided on k	ooth the housing and	shaft for mounting	the assembly.					
Mounting Flange	· ·	_	bolted onto the shaf aluminum housing f							

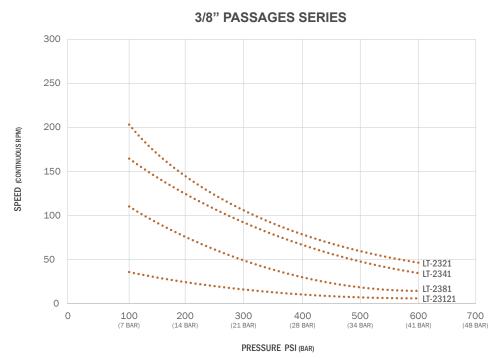
- ¹ Values are dependent on a combination of all application parameters. Please consult with DSTI.
- ² Operational life is dependent upon both rotational speed and duty cycle. Contact DSTI if your application requires operating close to the maximum rotational speed with a continuous duty cycle.
- ³ Applications above 220° F (105° C) require alternative seal materials. Please consult with DSTI.
- 4 The use of liquid media is not recommended for this product. Please select from one of our other product lines or consult DSTI if your application requires use of liquid media.



Performance Data: Pressure vs. Speed (Continuous)



* This data is to be used as a general guideline. Data based on the product rotating continuously. Please consult DSTI about your specific application.

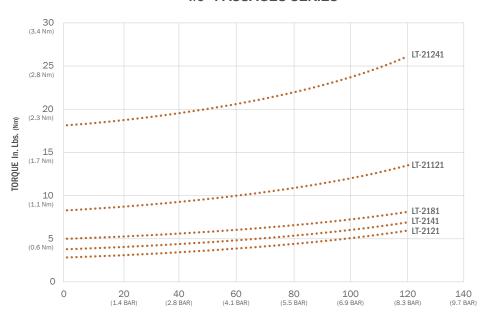


* This data is to be used as a general guideline. Data based on the product rotating continuously. Please consult DSTI about your specific application.



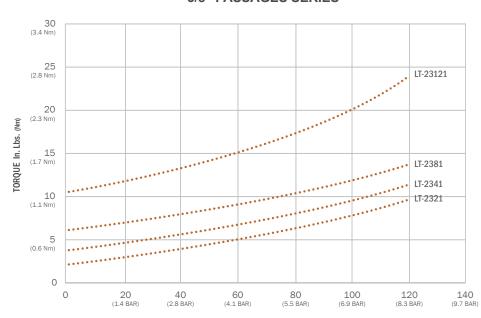
Performance Data: Pressure vs. Torque

1/8" PASSAGES SERIES



* This data is to be used as a general guideline. Torque data represents the minimum torque required to rotate based on all passages (ports) pressurized with oil/hydraulic media. Required torque to rotate may be greater when using other media types or dry running. For specific torque requirements, please contact DSTI to discuss your application.

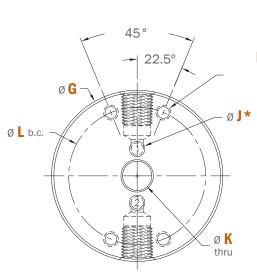
3/8" PASSAGES SERIES



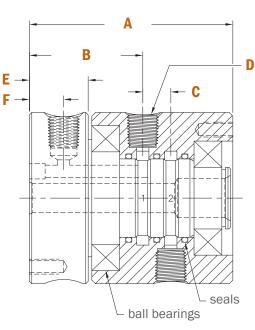
* This data is to be used as a general guideline. Torque data represents the minimum torque required to rotate based on all passages (ports) pressurized with oil/hydraulic media. Required torque to rotate may be greater when using other media types or dry running. For specific torque requirements, please contact DSTI to discuss your application.

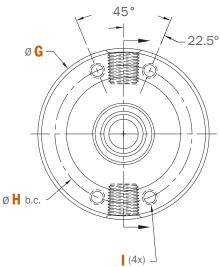






* Porting holes (permanently plugged on 1/8" connection models)





PART #	А	В	С	D	Е	F	G	Н	1
LT-2121	2.60"	1.45"	.358"	1/8"- 27 NPT	.750"	.438"	2.187"	1.750"	#10-24
LT-2321	4.62"	2.48"	.830"	3/8"- 18 NPT	1.250"	.750"	3.437"	3.000"	1/4"-20
LTM-2121	66.0mm	36.8mm	9.09mm	R _c 1/8"- 28 BSPT	19.05mm	11.11mm	55.55mm	44.45mm	M5x0.8
LTM-2321	117.4mm	63.1mm	21.08mm	R _c 3/8"- 19 BSPT	31.75mm	19.05mm	87.30mm	76.20mm	M6x1.0

PART #	J	K	L		
LT-2121	.16"	.38"	1.750"		
LT-2321	r-2321 .38"		3.000"		
LTM-2121	4.0mm	9.5mm	44.45mm		
LTM-2321	TM-2321 9.5mm		76.20mm		

OPTIONAL O-RING FACE SEAL GLAND CONNECTION



Must specify when ordering. Please add "-OF" to the Part Number. (Example: LT-2121-0F)

LT-2121-0F [LTM-2121-0F] Ø .14 [3.6mm] to intersect

C-bore: Ø .281" [7.14mm] Gland: .0500" [1.270mm] dp. O-ring: 2-007

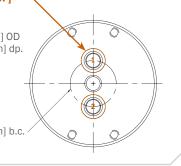
Ø 1.250" [31.75mm] b.c.

LT-2321-0F [LTM-2321-0F] -

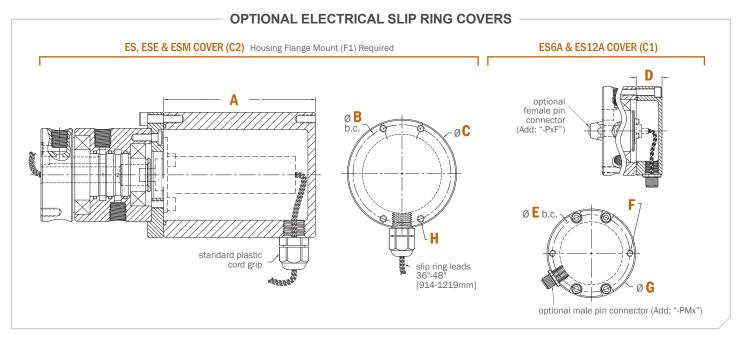
Ø .38 [9.5mm] to depth Ø .500" [12.70mm] ID x Ø .656" [16.66mm] OD

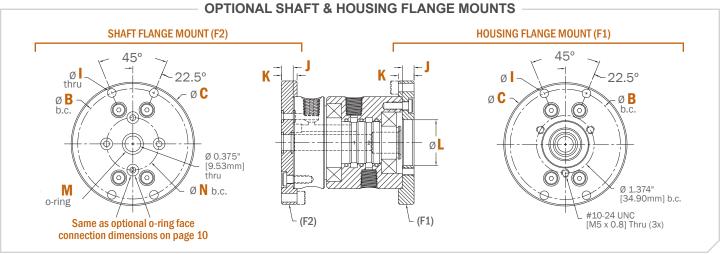
Gland: .0500" [1.270mm] dp. O-ring: 2-014

Ø 1.250" [31.75mm] b.c.





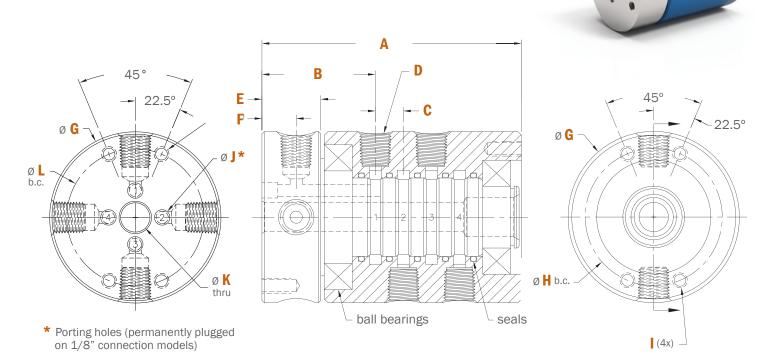




PART #	А	В	С	D	E	F	G	Н	l (thru)	J
LT-2121	3.56"	2.630"	2.937"	.875"	1.750"	#10-24	2.187"	#10-24	.206"	.28"
LT-2321	3.56"	4.000"	4.437"	1.000"	3.000"	1/4"-20	3.437"	1/4"-20	.265"	.41"
LTM-2121	90.5mm	66.80mm	74.60mm	22.23mm	44.45mm	M5x0.8	55.55mm	M5x0.8	5.50mm	7.1mm
LTM-2321	90.5mm	101.60mm	112.70mm	25.40mm	76.20mm	M6x1.0	87.30mm	M6x1.0	6.60mm	10.3mm

PART #	K	L	M	N	
LT-2121	.375"	1.090"	2-012	1.250"	
LT-2321 .500"		1.100"	2-012	1.250"	
LTM-2121	9.53mm	27.69mm	2-012	31.75mm	
LTM-2321	12.70mm	27.94mm	2-012	31.75mm	





PART #	А	В	С	D	Е	F
LT-2141	3.31"	1.45"	.358"	1/8"- 27 NPT	.750"	.438"
LT-2341	6.28"	2.48"	.830"	3/8"- 18 NPT	1.250"	.750"
LTM-2141	84.2mm	36.8mm	9.09mm	R _c 1/8"-28 BSPT	19.05mm	11.11mm
LTM-2341	159.6mm	63.1mm	21.08mm	R _c 3/8"-19 BSPT	31.75mm	19.05mm

PART #	G	Н	1	J	K (thru)	L
LT-2141	2.187"	1.750"	#10-24	.16"	.38"	1.750"
LT-2341	3.437"	3.000"	1/4"-20	.38"	.38"	3.000"
LTM-2141	55.55mm	44.45mm	M5x0.8	4.0mm	9.5mm	44.45mm
LTM-2341	87.30mm	76.20mm	M6x1.0	9.5mm	9.5mm	76.20mm

OPTIONAL O-RING FACE SEAL GLAND CONNECTION



Must specify when ordering. Please add "-OF" to the Part Number. (Example: LT-2141-0F)

LT-2141-0F [LTM-2141-0F]

Ø .14 [3.6mm] to intersect C-bore: Ø .281" [7.14mm] Gland: .0500" [1.270mm] dp. O-ring: 2-007

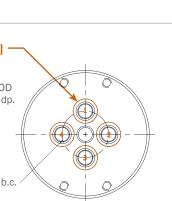
ø 1.250" [31.75mm] b.c.

LT-2341-0F [LTM-2341-0F] -

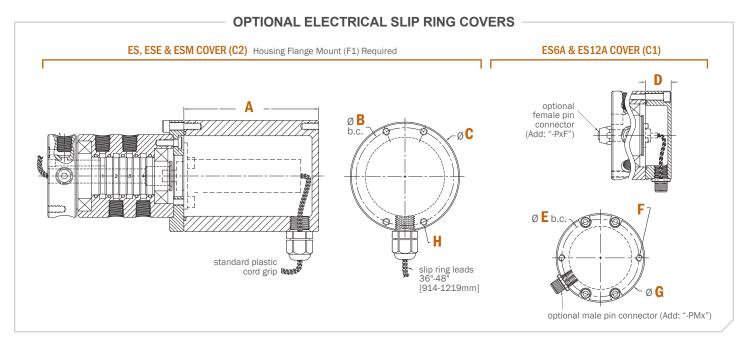
Ø .38 [9.5mm] to depth Ø .500" [12.70mm] ID x Ø .656" [16.66mm] OD Gland: .0500" [1.270mm] dp.

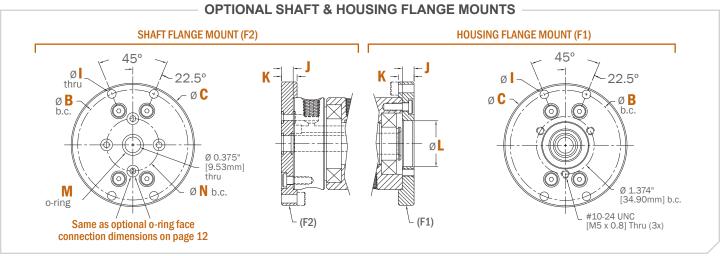
O-ring: 2-014

Ø 1.250" [31.75mm] b.c.







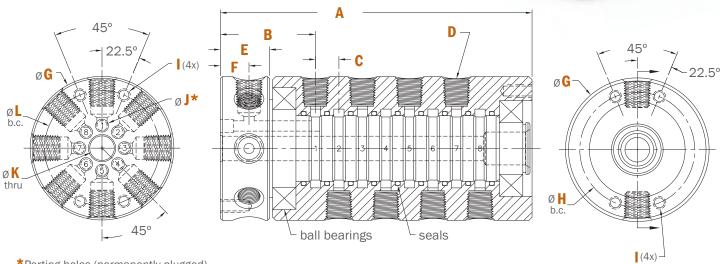


PART #	А	В	С	D	E	F	G	Н	l (thru)	J
LT-2141	3.56"	2.630"	2.937"	.875"	1.750"	#10-24	2.187"	#10-24	.206"	.28"
LT-2341	3.56"	4.000"	4.437"	1.000"	3.000"	1/4"-20	3.437"	1/4"-20	.265"	.41"
LTM-2141	90.5mm	66.80mm	74.60mm	22.23mm	44.45mm	M5x0.8	55.55mm	M5x0.8	5.50mm	7.1mm
LTM-2341	90.5mm	101.60mm	112.70mm	25.40mm	76.20mm	M6x1.0	87.30mm	M6x1.0	6.60mm	10.3mm

PART #	K	L	M	N
LT-2141	.375"	1.090"	2-012	1.250"
LT-2341 .500"		1.100"	2-012	1.250"
LTM-2141	9.53mm	27.69mm	2-012	31.75mm
LTM-2341	12.70mm	27.94mm	2-012	31.75mm







^{*}Porting holes (permanently plugged)

PART #	А	В	С	D	E	F
LT-2181	4.75"	1.45"	.358"	1/8"-27 NPT	.750"	.438"
LT-2381	9.61"	2.48"	.830"	3/8"-18 NPT	1.250"	.750"
LTM-2181	120.5mm	36.8mm	9.09mm	R _c 1/8"-28 BSPT	19.05mm	11.11mm
LTM-2381	244.0mm	63.1mm	21.08mm	R _c 3/8"-19 BSPT	31.75mm	19.05mm

PART #	G	Н	1	J	K (thru)	L
LT-2181	2.187"	1.750"	#10-24	.16"	.38"	1.750"
LT-2381	3.437"	3.000"	1/4"-20	.38"	.44"	3.000"
LTM-2181	55.55mm	44.45mm	M5x0.8	4.0mm	9.5mm	44.45mm
LTM-2381	87.30mm	76.20mm	M6x1.0	9.5mm	11.1mm	76.20mm

OPTIONAL O-RING FACE SEAL GLAND CONNECTION



Must specify when ordering. Please add "-OF" to the Part Number. (Example: LT-2181-0F)

LT-2181-0F [LTM-2181-0F]

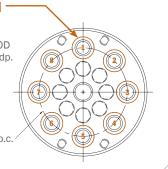
Ø .14 [3.6mm] to intersect C-bore: Ø .281" [7.14mm] Gland: .0500" [1.270mm] dp. O-ring: 2-007

Ø 1.250" [31.75mm] b.c.

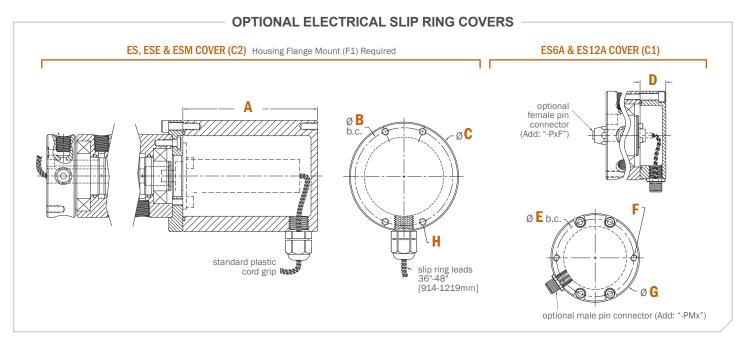
LT-2381-0F [LTM-2381-0F] Ø .34 [8.7mm] to intersect Ø .438" [11.13mm] ID x

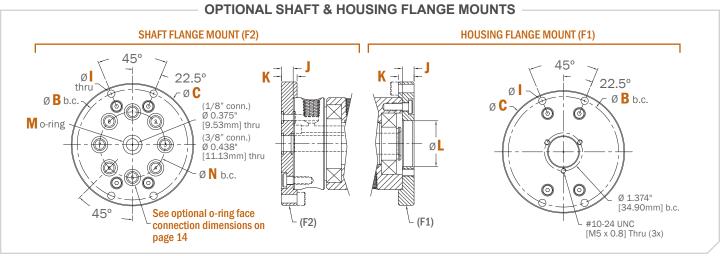
Ø .594" [15.09mm] OD Gland: .0500" [1.270mm] dp. O-ring: 2-013

Ø 2.375" [60.33mm] b.c.







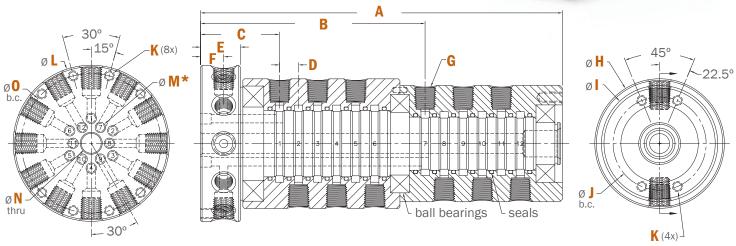


PART #	А	В	С	D	Е	F	G	Н	1	J
LT-2181	3.56"	2.630"	2.937"	.875"	1.750"	#10-24	2.187"	#10-24	.206"	.28"
LT-2381	3.56"	4.000"	4.437"	1.000"	3.000"	1/4"-20	3.437"	1/4"-20	.265"	.41"
LTM-2181	90.5mm	66.80mm	74.60mm	22.23mm	44.45mm	M5x0.8	55.55mm	M5x0.8	5.50mm	7.1mm
LTM-2381	90.5mm	101.60mm	112.70mm	25.40mm	76.20mm	M6x1.0	87.30mm	M6x1.0	6.60mm	10.3mm

PART #	K	L	M	N
LT-2181	.375"	1.090"	2-012	1.250"
LT-2381	.500"	1.100"	2-015	2.375"
LTM-2181	9.53mm	27.69mm	2-012	31.75mm
LTM-2381	12.70mm	27.94mm	2-015	60.33mm







^{*} Porting holes (permanently plugged)

PART #	А	В	С	D	Е	F
LT-21121	6.81"	4.22"	1.49"	.358"	.750"	0.438"
LT-23121	14.07"	8.53"	2.68"	.830"	1.250"	0.750"
LTM-21121	172.9mm	107.3mm	37.8mm	9.09mm	19.05mm	11.11mm
LTM-23121	357.4mm	216.6mm	68.1mm	21.08mm	31.75mm	19.05mm

PART #	G	Н	I	J	K	L	М	N	0
LT-21121	1/8"-27 NPT	2.437"	2.187"	1.750"	#10-24	2.937"	.16"	.38"	2.625"
LT-23121	3/8"-18 NPT	4.438"	3.437"	3.000"	1/4"-20	4.438"	.38"	.44"	4.000"
LTM-21121	R _c 1/8"-28 BSPT	61.90mm	55.55mm	44.45mm	M5x0.8	74.60mm	4.0mm	9.5mm	66.68mm
LTM-23121	R _c 3/8"-19 BSPT	112.73mm	87.30mm	76.20mm	M6x1.0	112.73mm	9.5mm	11.1mm	101.60mm

OPTIONAL O-RING FACE SEAL GLAND CONNECTION



Must specify when ordering. Please add "-OF" to the Part Number. (Example: LT-21121-0F)

LT-21121-0F [LTM-21121-0F] Ø .14 [3.6mm] to intersect C-bore: Ø .281" [7.14mm]

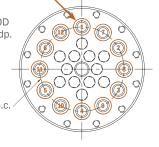
Gland: .0500" [1.270mm] dp. O-ring: 2-007

ø 1.500" [38.10mm] b.c.

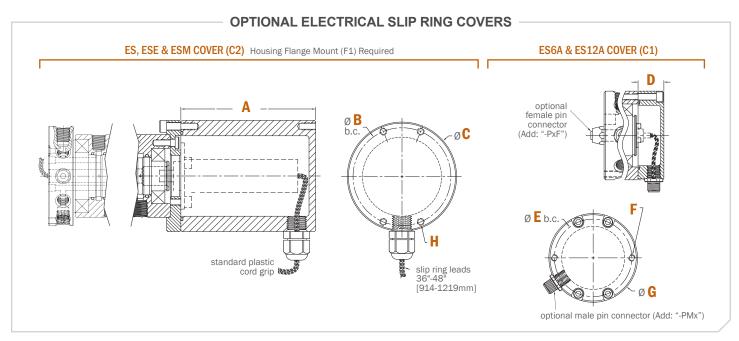
LT-23121-0F [LTM-23121-0F]

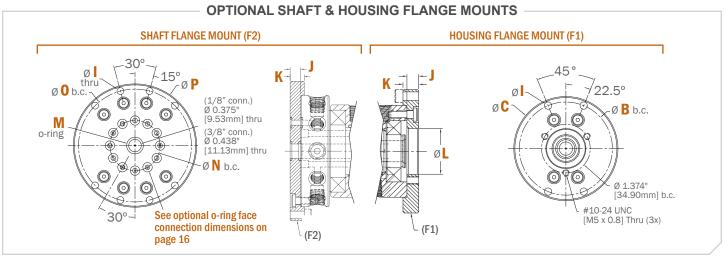
Ø .34 [8.7mm] to intersect Ø .438" [11.13mm] ID x Ø .594" [15.09mm] OD Gland: .0500" [1.270mm] dp. O-ring: 2-013

Ø 3.000" [76.20mm] b.c.







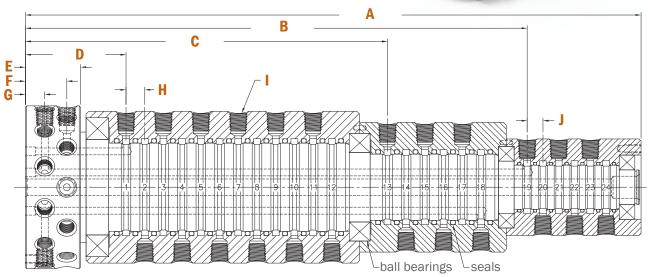


PART #	А	В	С	D	E	F	G	Н	I	J
LT-21121	3.56"	2.630"	2.937"	.875"	1.750"	#10-24	2.187"	#10-24	.206"	.28"
LT-23121	3.56"	4.000"	4.437"	1.000"	3.000"	1/4"-20	3.437"	1/4"-20	.265"	.41"
LTM-21121	90.5mm	66.80mm	74.60mm	22.23mm	44.45mm	M5x0.8	55.55mm	M5x0.8	5.50mm	7.1mm
LTM-23121	90.5mm	101.60mm	112.70mm	25.40mm	76.20mm	M6x1.0	87.30mm	M6x1.0	6.60mm	10.3mm

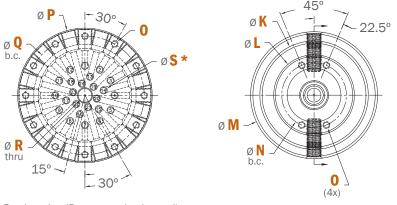
PART #	K	L	М	N	0	Р
LT-21121	.375"	1.090"	2-012	1.500"	3.375"	3.687"
LT-23121	.500"	1.100"	2-015	3.000"	5.000"	5.438"
LTM-21121	9.53mm	27.69mm	2-012	38.10mm	85.73mm	93.65mm
LTM-23121	12.70mm	27.94mm	2-015	76.20mm	127.00mm	138.13mm







PART #	LT-21241	LTM-21241
А	13.95"	354.4mm
В	11.37"	288.8mm
С	8.21"	208.4mm
D	2.28"	57.9mm
Е	1.250"	31.75mm
F	.938"	23.83mm
G	.438"	11.13mm
Н	.424"	10.77mm
I	1/8"-27 NPT	R _c 1/8"-28 BSPT
J	.358"	9.09mm
K	2.938"	74.63mm
L	2.187"	55.55mm
M	3.438"	87.33mm
N	1.750"	44.45mm
0	#10-24	M5x0.8
Р	3.688"	93.68mm
Q	3.250"	82.55mm
R	.38"	9.5mm
S	.16"	4.0mm



^{*} Porting size (Permanently plugged)

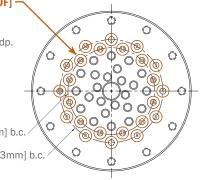
OPTIONAL O-RING FACE SEAL GLAND CONNECTION



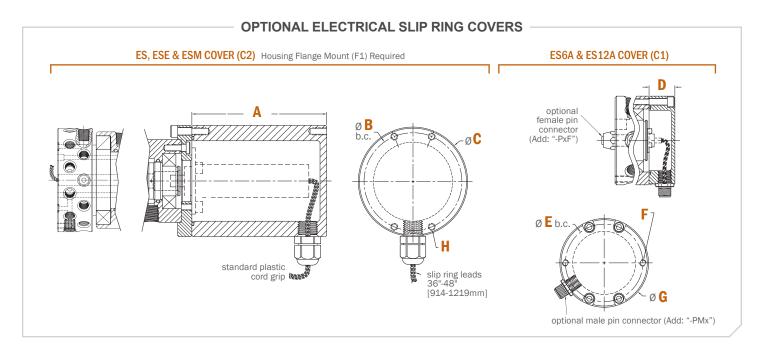
Must specify when ordering. Please add "-OF" to the Part Number. (Example: LT-21241-0F)

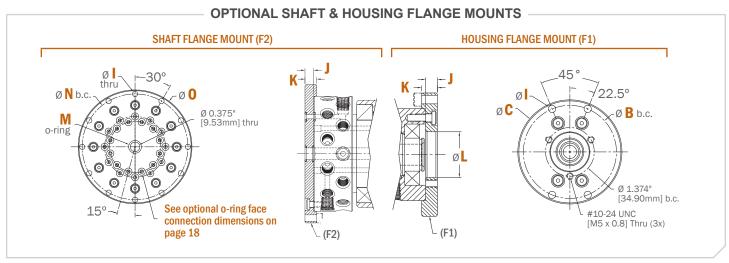
LT-21241-0F [LTM-21241-0F] Ø .14 [3.6mm] to intersect C-bore: Ø .281" [7.14mm] Gland: .0500" [1.270mm] dp. 0-ring: 2-007

> Ø 2.000" [50.80mm] b.c. Ø 2.375" [60.33mm] b.c.







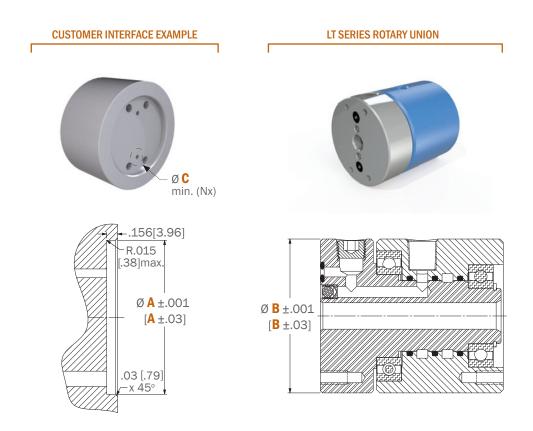


PART #	А	В	С	D	E	F	G	Н
LT-21241	3.56"	2.630"	2.937"	.875"	1.750"	#10-24	2.187"	#10-24
LTM-21241	90.5mm	66.80mm	74.60mm	22.23mm	44.42mm	M5x0.8	55.55mm	M5x0.8
PART #	1	J	K	L	M	N	0	

PART #	l	J	K	L	M	N	0
LT-21241	.206"	.28"	.375"	1.090"	2-012	4.125"	4.438"
LTM-21241	5.50mm	7.1mm	9.53mm	27.69mm	2-012	104.78mm	112.73mm



Customer Interface using O-Ring Seal Connection



PART #	А	В	C (Nx)
LT(M)-2121	2.190" [55.63mm]	2.187" [55.55mm]	.281" [7.14mm] (2x)
LT(M)-2141	2.190" [55.63mm]	2.187" [55.55mm]	.281" [7.14mm] (4x)
LT(M)-2181	2.190" [55.63mm]	2.187" [55.55mm]	.281" [7.14mm] (8x)
LT(M)-2321	3.440" [87.38mm]	3.437" [87.30mm]	.656" [16.66mm] (2x)
LT(M)-2341	3.440" [87.38mm]	3.437" [87.30mm]	.656" [16.66mm] (4x)
LT(M)-2381	3.440" [87.38mm]	3.437" [87.30mm]	.594" [15.09mm] (8x)
LT(M)-21121	2.940" [74.68mm]	2.937" [74.60mm]	.281" [7.14mm] (12x)
LT(M)-21241	3.691" [93.75mm]	3.688" [93.68mm]	.281" [7.14mm] (24x)
LT(M)-23121	4.441" [112.8mm]	4.438" [112.73mm]	.594" [15.09mm] (12x)



Electrical Slip Ring Integration Options

Ethernet Slip Rings Available

100 BaseT & 1000 BaseT Ethernet Connections

High-Quality, Gold-on-Gold Contacts

Capsule & Thru-bore Options

Low Electrical Noise

Analog/Digital Transfer

Cord Sets & Pin Connectors Options

Compatible With a Range of Data Bus Protocols



AVAILABLE SLIP RINGS¹

PART #	# OF CIRCUITS	MAX AMPS/ CIRCUIT	MAX VOLTS	MAX DATA SPEED
ES6A 4	6	2	120	Under 50 Mbps
ES6 4	6	2	240	Under 50 Mbps
ES12A 4	12	2	120	Under 50 Mbps
ES12 4	12	2	240	Under 50 Mbps
ES18 4	18	2	240	Under 50 Mbps
ES24 4	24	2	240	Under 50 Mbps
ES36 4	36	2	240	Under 50 Mbps
ES56 4	56	2	240	Under 50 Mbps
ESE64 ²	10	(6x) 2A	240	100 Mbps
ESE264 ²	12	(2x) 5A, (6x) 2A	240	100 Mbps
ESE224 ²	8	(2x) 10A, (2x) 2A	240	100 Mbps
ESE2124 ²	18	(2x) 5A, (12x) 2A	240	100 Mbps
ESE284 ²	14	(2x) 10A, (8x) 2A	240	100 Mbps
ESE4383	51	(43x) 2A	240	1 Gbps
ESE4358 ³	47	(4x) 5A, (35x) 2A	240	1 Gbps
ESE2358 ³	45	(2x) 10A, (35x) 2A	240	1 Gbps
ESE8278 3	43	(8x) 5A, (27x) 2A	240	1 Gbps
ESE24278 ³	41	(2x) 10A, (4x) 5A, (27x) 2A	240	1 Gbps

PART #	# OF CIRCUITS	MAX AMPS/ CIRCUIT	MAX VOLTS	MAX DATA SPEED
ESM364	9	(3x) 10A, (6x) 2A	240	Under 50 Mbps
ESM312 4	15	(3x) 5A, (12x) 2A	240	Under 50 Mbps
ESM420 4	24	(4x) 10A, (20x) 2A	240	Under 50 Mbps
ESM428 4	32	(4x) 5A, (28x) 2A	240	Under 50 Mbps
ESM440 4	44	(4x) 10A, (40x) 2A	240	Under 50 Mbps
ESM448 4	52	(4x) 5A, (48x) 2A	240	Under 50 Mbps

- ¹ All slip ring lead wire lengths are 48" (1219mm)
- ² 100 BaseT Ethernet connections
- 3 1000 BaseT Ethernet connections
- ⁴ In order to successfully transfer digital data signals, a variety of conditions must be met. Please consult with DSTI for approval.



Installation & Mounting

PREPARATION:

Remove the rotary union from the shipping container. Inspect the entire assembly, including all passage connections to make sure that they are clean and no visual damage occurred during transport. If the assembly is a rotary union/electrical slip ring, the electrical slip ring may be packaged separately to protect during shipping. If this is the case, mount the electrical slip ring to the rotating union assembly using the supplied hardware.

RECOMMENDED ROTARY UNION INSTALLATION PRACTICE:

DSTI does not recommend mounting the rotary union with both the shaft & housing components solidly bolted into place. One of the two components should be mounted in a manner that allows for some movement in the event of misalignment or run-out during rotation. Using only the supply lines or hoses to fix the stationary component in place is also not recommended. An anti-rotation arm that attaches to the stationary part of the rotary union assembly and rests against part of the equipment framework is recommended (see figure 1.1).

MOUNTING A ROTARY UNION W/ AN ELECTRICAL **SLIP RING:**

Make sure the electrical wiring is fixed in place and protected from contact with other components or equipment. Care should be taken to make sure the slip ring area remains clean and dry during use.

SHAFT MOUNTING: O-RING MANIFOLD TYPE:

Make sure the rotary union shaft face & equipment mounting surface is clean and free from dents or chips to insure proper installation. Equipment pilot bore needs to be concentric to the center line of the rotary union shaft to assure proper function. Install face mount O-rings into groove or counter bore in rotating union shaft face. General assembly grease can be used as needed to hold O-rings into place during assembly. Align rotary union shaft with equipment pilot bore and flow passages, then insert into place. Bolt assembly into place using tapped holes or mounting flange on rotary union face.

THESE INSTRUCTIONS ARE INTENDED TO BE USED AS A GENERAL GUIDE, PLEASE CONSULT DSTI TO DISCUSS ANY SPECIFIC **OUESTIONS RELATED TO YOUR INSTALLATION.**

SHAFT MOUNTING. THREADED CONNECTIONS:

When mounting the shaft using threaded connections, make sure all fittings are properly tightened & pipe thread sealant is used as required. Equipment mounting surface needs to be concentric to the center line of the rotary union shaft to assure proper function. After all fittings are in place, bolt assembly into place using tapped holes or mounting flange on rotating union shaft.

INITIAL START-UP:

After rotary union is installed, a dry run is recommended to assure proper mounting of the rotating union assembly. Begin rotation of the equipment, and verify that while rotating at the maximum operating speed there is no visible movement of the rotary union assembly due to misalignment.



WARRANTY:

DSTI Warrants, for a period of 2 years from the date of original delivery, its products to be free from defects in material and workmanship. DSTI's obligation under this warranty is limited to repair or replacement at it's factory of any part or parts of said products which shall be returned to DSTI with transportation charges prepaid and which DSTI's examination shall disclose to it's satisfaction to have been defective. Under no circumstances shall DSTI be held liable for loss, damage, cost of repair of consequential damages of any kind in connection with the sale, use or repair of any product purchased from DSTI. Warranty is subject to change.





Notes			

Engineered Fluid Solutions

At DSTI, our product solutions are directly influenced by the industries we serve. If an existing product isn't a perfect fit for our customers' applications, we provide specialized design and manufacturing services to meet the needs of their specifications.

To see examples of our customized solutions, please visit: www.dsti.com/industries



PRODUCT DOWNLOADS

For Catalogs, Brochures, Models and Drawings visit: www.dsti.com/downloads





Dynamic Sealing Technologies, Inc

13829 Jay Street NW Andover, MN 55304 USA main 763.786.3785 toll free 866.700.3784 web www.dsti.com

BONDY

INDUSTRIAL EQUIPMENT SUPPLIER



Transmission



Handling



Motor & Gear



Vacuum Conveying



Linear



Support

See our products and solutions at

www.bondy.dk

For ordering and questions call (+45) 70 15 14 14