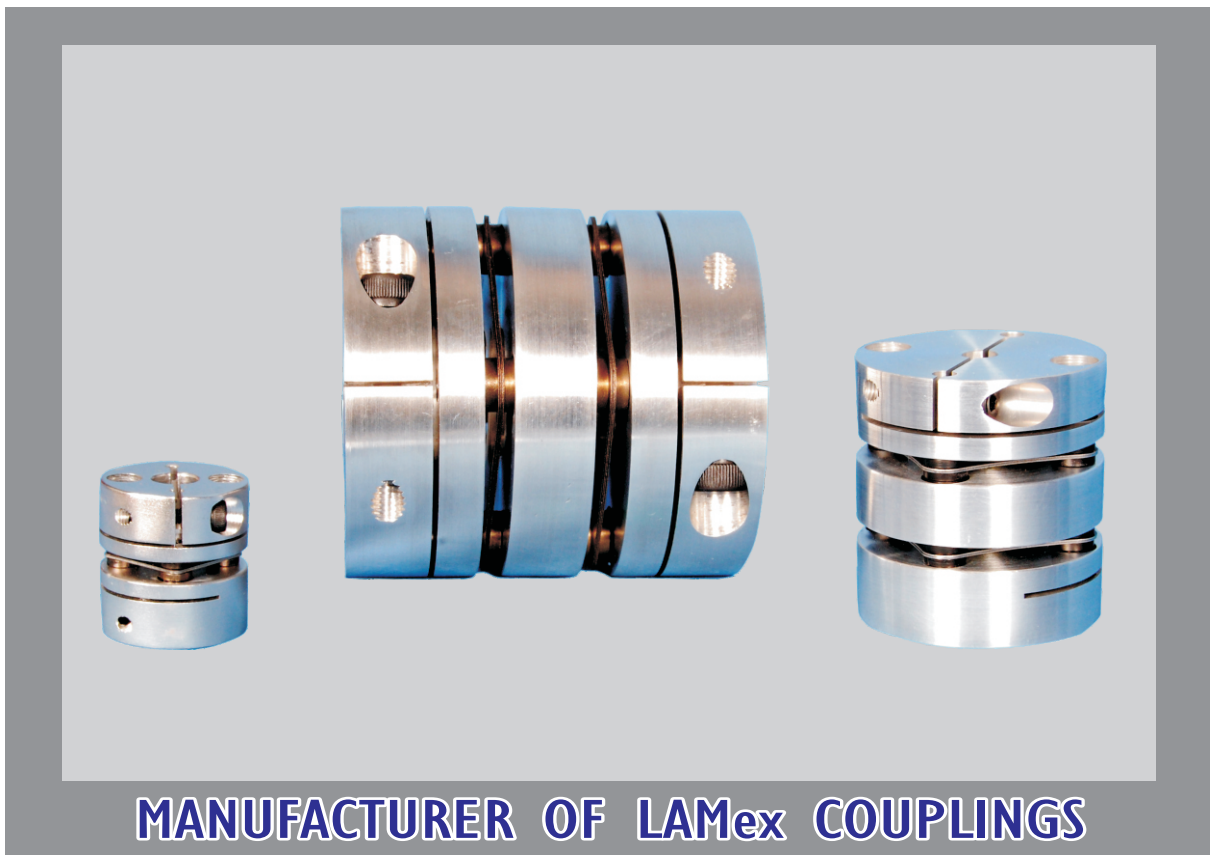


KULKARNI TRANSPOWER PVT. LTD.



MANUFACTURER OF LAMex COUPLINGS

Great People

Great Company

Great Brand

Great Future



www.ktppl.com

KULKARNI TRANSPOWER PVT. LTD.

LAMex COUPLINGS

HUB DETAILS:

LAMex Couplings are the three or five pieces' assembly of 2 no. Aluminium or 3 no. Aluminium hubs and 1 no. or 2 no. of Stainless Steel lamina sets. These three or five parts are assembled with bolts with precision. This assembly becomes a Backlash Free and High Torsional Stiff precise, long life LAMex Coupling. LAMex Couplings are more suitable for higher RPM, Temperature, uni-direction or bi-directions.

Applications: Shaft Encoders, Tacho-generators, Servo Motors, Stepper Motors, Ball-screws, CNC machines, X-Y slides, Medical Equipment's, Precise Spindles, and much more precise backlash-free motion and power transmission applications.

Benefits: Flexible, Backlash-free, No maintenance, No Lubrication, Uniform & Positive motion and power transmission, higher temperature, Available in Unbored, pilot bore and finish bore and key-ways

Applications:



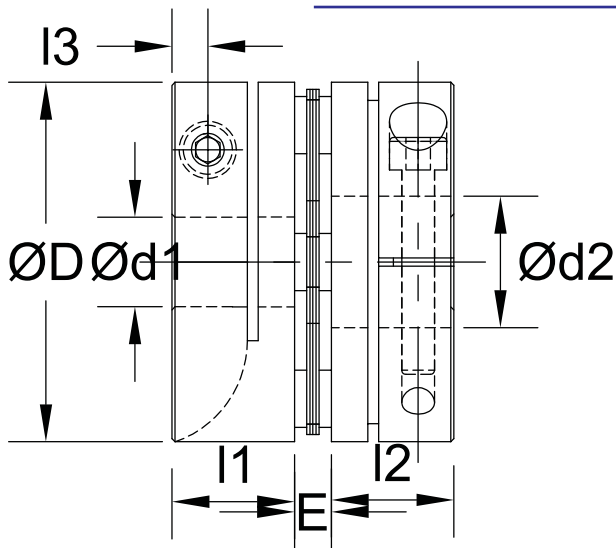
- Shaft Encoders
- Servo Motors
- Stepper Motors
- Tacho Generators
- CNC Slides

- CNC Machines
- Robots
- Textile Machines
- Special Purpose Machines
- And many more.

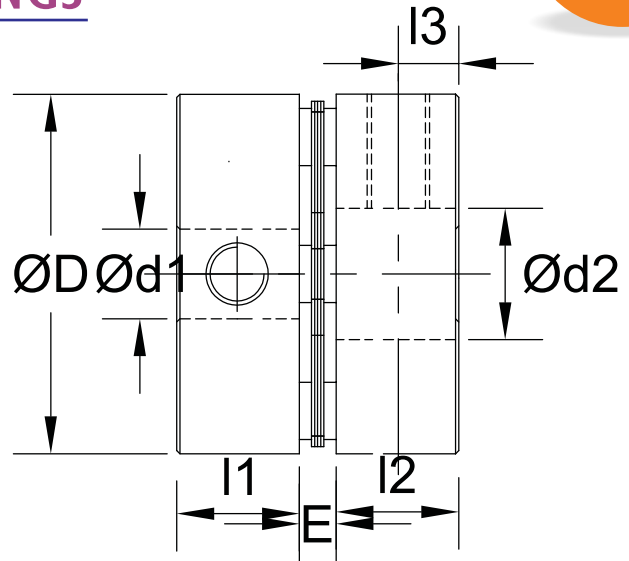
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LAMex COUPLINGS



LAMex SLC



LAMex SL

Dimentional details

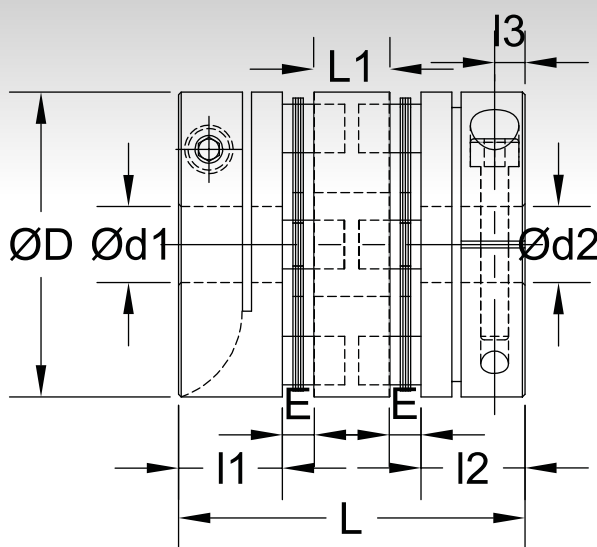
Size LAMex SL	Bore Sizes mm		Overall Dimentions					Screw Details		Screw
	Minimum	Maximum	Outer Dia.	Lamina I.D.	Total Length	Hub Length	Space Bet ⁿ Hubs	Screw Size	Distance from edge	Tightening Torque
	mm	mm								
	d1	d2	D mm	d3 mm	L	I1 & I2	E	S	I3	Ts Nm
LAMex SL5	3.00	12.00	26.00	12.00	26.50	12.00	2.5	M2.5	6	0.8
LAMex SL5C	3.00	12.00	26.00	12.00	26.50	12.00	2.5	M2.5	3.5	0.8
LAMex SL10	5.00	15.00	35.00	14.50	35.00	16.00	3	M3	8	1.5
LAMex SL10C	5.00	15.00	35.00	14.50	35.00	16.00	3	M4	5	3
LAMex SL15	10.00	20.00	47.00	19.50	45.00	21.00	3	M4	10.5	3
LAMex SL15C	10.00	20.00	47.00	19.50	45.00	21.00	3	M6	6.8	10.5
LAMex SL20	12.00	25.00	59.00	24.00	52.00	24.00	4	M5	12	8
LAMex SL20C	12.00	25.00	59.00	24.00	52.00	24.00	4	M6	6.8	10.5
LAMex SL25	15.00	35.00	70.00	30.00	69.00	32.00	5	M6	16	10.5
LAMex SL25C	15.00	35.00	70.00	30.00	69.00	32.00	5	M8	9	25
LAMex SL35	19.00	42.00	84.00	38.00	77.00	35.00	7	M8	17.5	25
LAMex SL35C	19.00	42.00	84.00	38.00	77.00	35.00	7	M10	10.5	70
Lamex SL42	24.00	55.00	104.00	48.00	91.00	40.00	11	M10	20	70
LAMex SL42C	24.00	55.00	104.00	48.00	91.00	40.00	11	M10	10.5	70

Technical Details

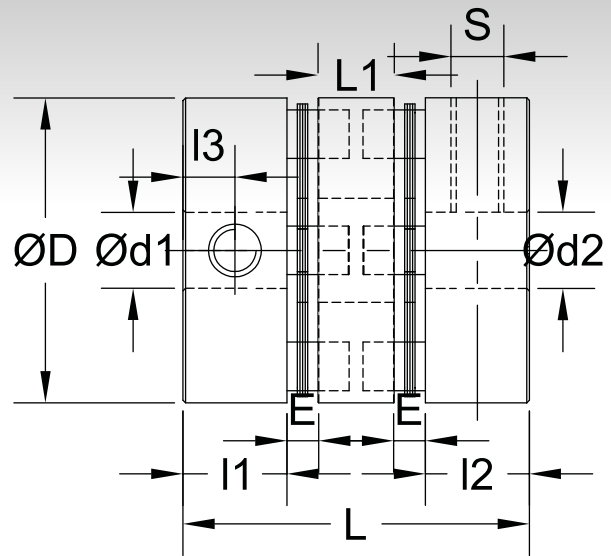
Size LAMex SL	Rated	Max. Shaft Misalignment			Max	Torsional	Mass Moment of Inertia Kgcm ²
	Torque Nm	Lateral mm	Axial mm	Angular Degree	Speed RPM	Stiffness Nm/rad	
LAMex SL5	2.5	0.02	0.2	1	27500	2400	0.03
LAMex SL5C	2.5	0.02	0.2	1	25000	2400	0.03
LAMex SL10	7.5	0.02	0.4	1	22000	5600	0.12
LAMex SL10C	7.5	0.02	0.4	1	20000	5600	0.12
LAMex SL15	20	0.02	0.5	1	17600	12000	0.53
LAMex SL15C	20	0.02	0.5	1	16000	12000	0.53
LAMex SL20	30	0.02	0.6	1	13200	30000	1.54
LAMex SL20C	30	0.02	0.6	1	12000	30000	1.54
LAMex SL25	60	0.02	0.8	1	11000	60000	3.93
LAMex SL25C	60	0.02	0.8	1	10000	60000	3.93
LAMex SL35	100	0.02	1	1	9900	72000	9.11
LAMex SL35C	100	0.02	1	1	9000	72000	9.11
Lamex SL42	180	0.02	1.4	1	7700	120000	61.53
LAMex SL42C	180	0.02	1.4	1	7000	120000	61.53



LAMex COUPLINGS



LAMex DLC



LAMex DL

Dimentional details

Size LAMex DL	Bore Sizes mm		Overall Dimentions						Screw Details		Screw
	Minimum	Maximum	Outer Dia.	Lamina I.D.	Total Length	Hub Length	Space Bet ⁿ Hubs	Spacer Width	Screw Size	Distance from edge	Tightening Torque
	mm	mm									
	d1	d2	D mm	d3 mm	L	I1 & I2	E	L1	S	I3	Ts Nm
LAMex DL5	3.00	12.00	26.00	12.00	34.00	12.00	2.5	10	M2.5	6	0.8
LAMex DL5C	3.00	12.00	26.00	12.00	34.00	12.00	2.5	10	M2.5	3.5	0.8
LAMex DL10	5.00	15.00	35.00	14.50	44.00	16.00	3	12	M3	8	1.5
LAMex DL10C	5.00	15.00	35.00	14.50	44.00	16.00	3	12	M4	5	3
LAMex DL15	10.00	20.00	47.00	19.50	55.00	21.00	3	13	M4	10.5	3
LAMex DL15C	10.00	20.00	47.00	19.50	55.00	21.00	3	13	M6	6.8	10.5
LAMex DL20	12.00	25.00	59.00	24.00	67.00	24.00	4	19	M5	12	8
LAMex DL20C	12.00	25.00	59.00	24.00	67.00	24.00	4	19	M6	6.8	10.5
LAMex DL25	15.00	35.00	70.00	30.00	88.00	32.00	5	24	M6	16	10.5
LAMex DL25C	15.00	35.00	70.00	30.00	88.00	32.00	5	24	M8	9	25
LAMex DL35	19.00	42.00	84.00	38.00	98.00	35.00	7	28	M8	17.5	25
LAMex DL35C	19.00	42.00	84.00	38.00	98.00	35.00	7	28	M10	10.5	70
Lamex DL42	24.00	55.00	104.00	48.00	116.00	40.00	11	36	M10	20	70
LAMex DL42C	24.00	55.00	104.00	48.00	116.00	40.00	11	36	M10	10.5	70

Technical Details

Size LAMex DL	Rated	Max. Shaft Misalignment			Max	Torsional	Mass Moment of Inertia Kgcm ²
	Torque	Lateral	Axial	Angular	Speed	Stiffness	
	Nm	mm	mm	Degree	RPM	Nm/rad	
LAMex DL5	2.5	0.1	0.4	1	27500	1200	0.04
LAMex DL5C	2.5	0.1	0.4	1	25000	1200	0.04
LAMex DL10	7.5	0.14	0.8	1	22000	2800	0.16
LAMex DL10C	7.5	0.14	0.8	1	20000	2800	0.16
LAMex DL15	20	0.16	1	1	17600	6000	0.65
LAMex DL15C	20	0.16	1	1	16000	6000	0.65
LAMex DL20	30	0.25	1.2	1	13200	15000	1.99
LAMex DL20C	30	0.25	1.2	1	12000	15000	1.99
LAMex DL25	60	0.3	1.6	1	11000	30000	5.08
LAMex DL25C	60	0.3	1.6	1	10000	30000	5.08
LAMex DL35	100	0.4	2	1	9900	36000	11.53
LAMex DL35C	100	0.4	2	1	9000	36000	11.53
Lamex DL42	180	0.5	2.8	1	7700	60000	74.58
LAMex DL42C	180	0.5	2.8	1	7000	6000	74.58