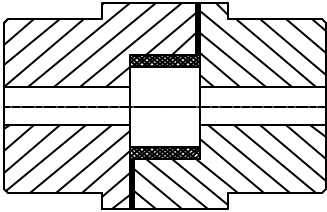
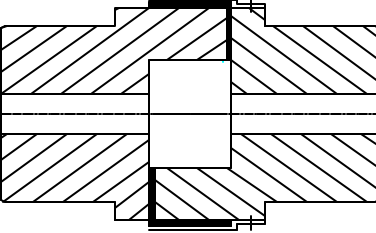
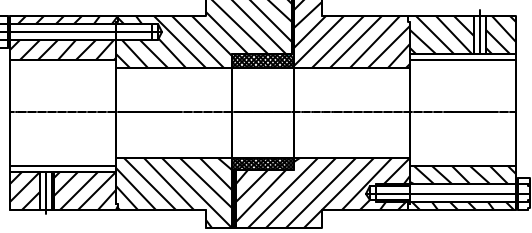
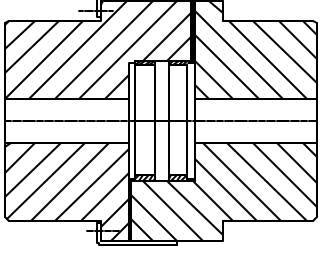
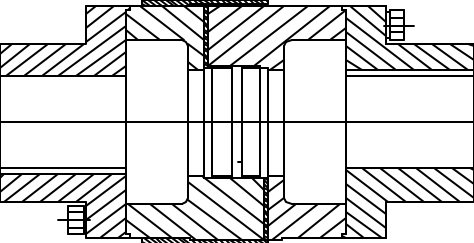
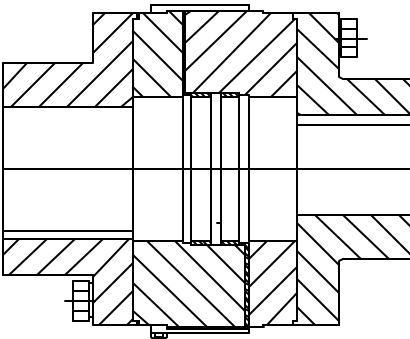


Unique Spider Couplings

<p>Series FX – Type A With Single Piece Star Spider</p> 	<p>Series Fx Type B With Wrap –on Spider</p> 
<p>Series FX – Type C Spacer Coupling</p> 	<p>Series F – with Free Floating Cushions</p> 
<p>Series FQ – with Free Floating Cushions in spacer Design</p> 	<p>Series FR – with Free Floating Cushion with small spacer</p> 

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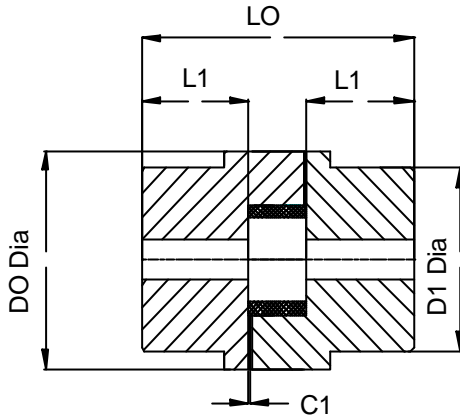
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Email – metaflex@vsnl.com ; couplings@vsnl.com

Branch office – 35/36 Nehru Place , New Delhi 110019 . Tel No 91-11-6422983

Unique Spider Coupling

Series FX - Type A



- * One piece flexible element
- * Torsionally resilient
- * Absorb shocks
- * Accommodates misalignment
- * Specially formulated cushions for special requirements

Dimensions and Technical Data

Size	Rated Torque Nm	Max Bore mm	Pilot Bore mm	KW/100 RPM	Max RPM	DO mm	LO mm	C1 mm	L1 mm	D1 mm	Weight Kg PILOT BORE	Inertia MR ² KgM ²
FX-095-AC	22	28	10	0.23	3600	54	63	2	25	49	0.8	0.0003
FX-099-AC	36	30	10	0.37	3600	65	72	2	27	51	1.17	0.0006
FX-100-AC	48	38	10	0.50	3600	65	88	3	35	57	1.57	0.0009
FX-110-AC	89	42	15	0.93	3600	85	108	3	43	76	3.2	0.003
FX-150-AC	142	48	15	1.49	3600	96	115	3	45	80	4	0.005
FX-190-AC	192	60	20	2.01	3600	115	133	3	54	102	7.5	0.012
FX-225-AC	264	65	20	2.76	3600	127	153	3	64	108	10	0.020
FX-226-AC	340	70	22	3.58	3600	137	178	3	70	115	13.5	0.03
FX-276-AC	550	75	22	5.7	3600	157	200	3	80	127	21	0.06
FX-280-AC	821	85	32	8.6	3200	192	200	3	80	140	28	0.12
FX-295-AC	1343	100	38	14.1	3000	237	238	3	95	160	44	0.26
FX-2955-AC	2339	110	44	23.5	3000	237	264	3	108	180	53	0.32
FX-300-AC	3200	110	50	33.6	2370	254	283	3	115	180	58	0.38
FX-350-AC	4523	125	50	47.4	1990	305	309	3	128	200	94	0.90

Mass and inertia are with pilot bore

Standard material of hubs is Cast Iron. Special material of hubs on request.

Unique Transmission (India) Pvt Ltd.

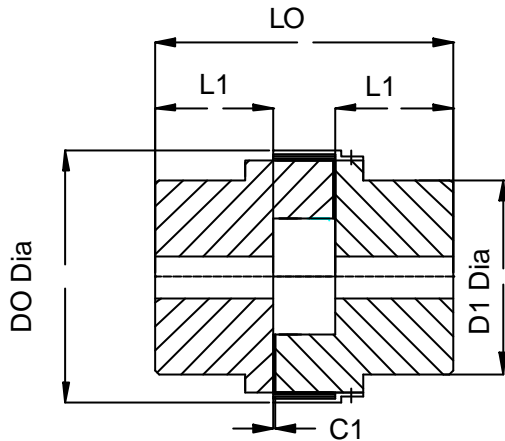
Head Office 10/ID Lal Bazar Street ,Calcutta 700001

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Email - metaflex@vsnl.com ; couplings@vsnl.com

Branch Office - 35/36 Nehru Place N.Delhi , Tel 91-11-6422983

Unique Spider Coupling



Series FX - Type B With wrap on Spider

- * One piece flexible element can be replaced /fitted without shifting machines.Easy & quick maintenance.
- * Torsionally resilient
- * Absorb shocks
- * Accomodates misalignment
- * Specially formulated cushions for special requirements

Dimensions and Technical Data

Size	Rated Torque Nm	Max Bore mm	Pilot Bore mm	KW/100 RPM	Max RPM	DO mm	LO mm	C1 mm	L1 mm	D1 mm	Weight Kg	Inertia MR ²
FX-095 B	22	28	10	0.23	3600	65	63	2	25	49	0.8	0.0003
FX-099 B	36	30	10	0.37	3600	77	72	2	27	51	1.17	0.0006
FX-100 B	48	38	10	0.50	3600	77	88	3	35	57	1.57	0.0009
FX-110 B	89	42	15	0.93	3600	95	108	3	43	76	3.2	0.003
FX-150 B	142	48	15	1.49	3600	110	115	3	45	80	4	0.005
FX-190 B	192	60	20	2.01	3600	128	133	3	54	102	7.5	0.012
FX-225 B	264	65	20	2.76	3600	141	153	3	64	108	10	0.020
FX-226 B	340	70	22	3.58	3600	153	178	3	70	115	13.5	0.03
FX-276 B	550	75	22	5.7	3600	173	200	3	80	127	21	0.06
FX-280 B	821	85	32	8.6	3200	208	200	3	80	140	28	0.12
FX-295 B	1343	100	38	14.1	3000	253	238	3	95	160	44	0.26
FX-2955 B	2339	110	44	23.5	3000	253	264	3	108	180	53	0.32
FX-300 B	3200	110	50	33.6	2370	272	283	3	115	180	58	0.38
FX-350 B	4523	125	50	47.4	1990	323	309	3	128	200	94	0.90

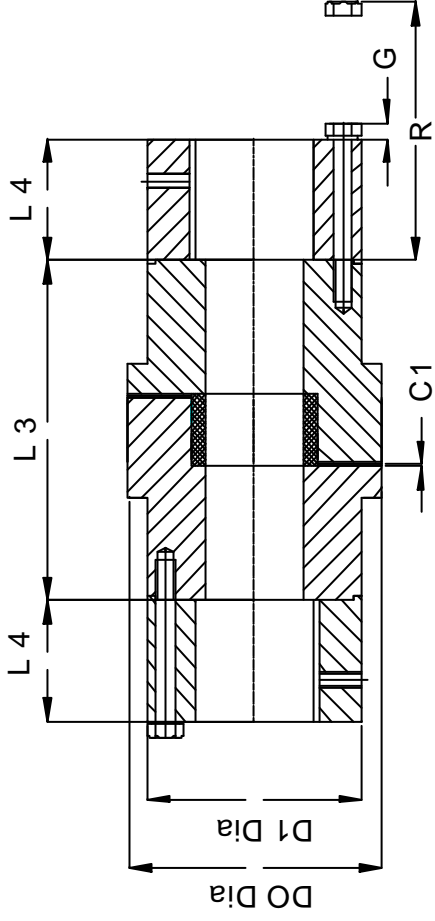
Mass and inertia are with pilot bore

Standard material of hubs is Cast Iron. Special material of hubs on request.

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Unique Spider Coupling



Series FX - Type C Spacer Design with Drop Down Assembly

- * Spacer can be easily removed and fitted. Allows maintenance without shifting machines
- * Torsionally resilient
- * Absorbs shocks
- * Accommodates misalignment
- * Specially formulated cushions for special requirements

Dimensions and Technical Data

Size	Rated Torque Nm	Max Bore mm	Pilot Bore mm	KW/100 RPM	Max RPM	DO mm	L4 mm	D1 mm	L3 spacer length mm	PCD mm	R mm	C1 mm	G mm	Weight Kg	MR ² min spacer pilot bore Kgm ²
FX-095-C	22	28	10	0.23	3600	54	25	54	90/100/140	42	49	2	6	1.9	0.0007
FX-100-C	48	38	10	0.50	3600	65	30	65	90/100/140/180	52	57	2	6	2.5	0.0014
FX-110-C	89	42	15	0.93	3600	76	35	76	90/100/140/180	60	76	3	8	4.2	0.0040
FX-150-C	142	48	15	1.49	3600	96	45	90	90/100/140/180	75	80	3	10	5.9	0.0075
FX-190-C	192	60	20	2.01	3600	115	51	102	90/100/140/180	80	102	3	10	9.2	0.0150
FX-225-C	264	65	20	2.76	3600	127	57	115	90/100/140/180	95	108	3	12	11.5	0.0240

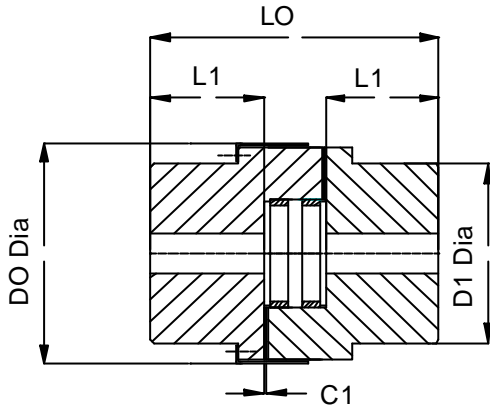
Mass and inertia are with pilot bore
Standard material of hubs is Cast Iron. Special material of hubs on request.

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Unique Spider Coupling

Series F



- * With Free Flating Load Cushions placed radially
- * High Torque Capacity
- * Fitment & Removal of cushions & spacer without shifting equipment
- * Torsionally resilient
- * Absorb shocks
- * Accomodates misalignment
- * Specially formulated cushions for special requirements
- * For large shaft dia special design with larger hubs

Dimensions and Technical Data

Size	Rated Torque Nm	Max Bore mm	Pilot Bore mm	HP/100 RPM	Max RPM	DO mm	LO mm	C1 mm	L1 mm	D1 mm	Weight Kg	Inertia MR ² KgM ²
F1450	340	70	22	4.8	3600	145	178	3	70	115	13.5	0.03
F1650	550	75	22	7.7	3600	165	200	3	80	127	21	0.06
F2000	821	85	32	11.5	3200	200	200	3	80	140	28	0.12
F2450	1343	100	38	18.9	3000	249	238	3	95	160	44	0.26
F2451	2339	110	44	31.5	3000	249	264	3	108	180	53	0.32
F2660	3200	110	50	45.0	2370	266	283	3	115	180	58	0.38
F3170	4523	125	50	63.5	1990	317	309	3	128	200	94	0.9
F2662	5570	100	60	78	2370	266	295	3	121	178	58	0.37
F2922	7440	115	60	104	2160	292	315	3	127	197	78	0.60
F3172	10400	125	70	146	1990	317	352	3	143	222	110	1.10

Mass and inertia are with pilot bore

Special hubs with larger bore capacity can be offered on request.

Standard execution is with cast iron hubs. For special requirements steel hubs available on request.

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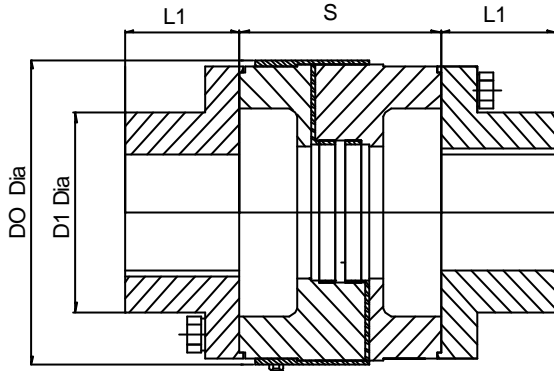
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Branch Office - 35/36 Nehru Place N.Delhi , Tel 91-11-6422983

Unique Spider Spacer Coupling

Series FQ



- * With Free Flating Load Cushions placed radially
- * High Torque Capacity
- * Fitment & Removal of cushions & spacer without shifting equipment
- * Torsionally resilient
- * Absorb shocks
- * Accomodates misalignment
- * Specially formulated cushions for special requirements
- * For large shaft dia special design with larger hubs

Dimensions and Technical Data

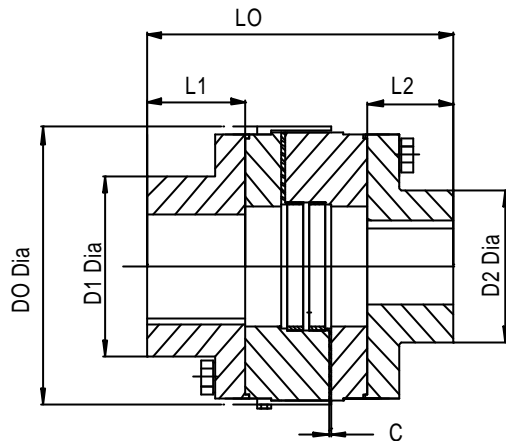
Size	Rated Torque Nm	Max Bore mm	Pilot Bore mm	HP/100 RPM	Max RPM	DO mm	C1 mm	L1 mm	D1 mm	Weight Kg	Inertia MR ² KgM ²
FQ1450	340	65	22	4.8	3600	145	3	50	134	23	0.06
FQ1650	550	75	22	7.7	3600	165	3	60	130	29	0.09
FQ2000	821	75	32	11.5	3200	200	3	60	130	38	0.19
FQ2450	1343	90	38	18.9	3000	249	3	65	160	55	0.42
FQ2451	2339	90	44	31.5	3000	249	3	80	160	58	0.42
FQ2660	3200	100	50	45.0	2370	266	3	90	180	75	0.57
FQ3170	4523	115	50	63.5	1990	317	3	90	200	115	1.27
FQ2662	5570	100	60	78	2370	266	3	121	178	75	0.56
FQ2922	7440	115	60	104	2160	292	3	127	197	95	0.85
FQ3172	10400	125	70	146	1990	317	3	143	222	130	1.40
FQ3492	14880	140	85	209	1800	349	3	159	248	175	2.46
FQ4002	20050	150	85	281	1500	400	3	174	273	230	3.70
FQ4122	23600	175	90	331	1500	412	6	195	305	280	4.90
FQ4612	34600	200	100	485	1360	461	6	220	365	420	9.30
FQ5262	58700	225	100	683	1200	526	6	235	432	610	18.20

Note- Spacer length can be as required. Standard lengths are 140 mm ,180 mm and 250 mm
 Mass and inertia are with pilot bore and spacer 140 mm long.
 For other spacer length technical data on request
 Standard execution is with cast iron hubs. For special requirements steel hubs available.on request.

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Unique Spider Coupling



Series FR

- * With Free Flating Load Cushions placed radially
- * High Torque Capacity
- * Fitment & Removal of cushions & spacer without shifting equipment
- * Torsionally resilient
- * Absorb shocks
- * Accomodates misalignment
- * Specially formulated cushions for special requirements
- * For large shaft dia special design with larger hubs

Dimensions and Technical Data

Size	Rated Torque Nm	Max Bore ADAP I mm	Max Bore ADAP II mm	Pilot Bore mm	HP/100 RPM	Max RPM	DO mm	C mm	LO** mm	ADAP I		ADAP II	
										L1 mm	DI HUB DIA mm	L2 mm	D2 HUB DIA MM
FR3492	14880	145	115	85	209	1800	349	3	341	120	248	95	195
FR4002	20050	160	125	85	281	1500	400	3	364	130	294	100	220
FR4122	23600	175	135	90	331	1500	412	6	383	140	305	110	230
FR4612	34600	210	160	100	485	1360	461	6	442	170	365	130	275
FR5262	58700	240	165	100	683	1200	526	6	497	195	432	140	300
FR6002	59200	260	190	100	830	1050	600	6	561	210	470	155	345
FR6672	69100	300	235	100	970	950	667	6	646	240	545	190	420

**LO is for combination of type I adaptor on one side & Type II adaptor on other side
Mass and inertia on request

Special hubs with larger bore capacity can be offered on request.

Standard execution upto size FR4122 is with cast iron hubs & steel for larger sizes.

Sizes upto FR4122 can also be supplied in Steel on request

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Unique Transmission (India) Pvt Ltd

EQUIVALENCES CHART LOVEJOY / UNIQUE Sizes

LOVEJOY TYPE L	UNIQUE Series FX Type A
L-095	095AC
L-099	099AC
L-100	100AC
L-110	110AC
L150	150AC
L190	190AC
L225	225AC
L276	276AC
L280	280AC
L295	295AC
L2955	2955AC
L300	300AC
L350	350AC

LOVEJOY TYPE SW	UNIQUE Series FX Type B
SW-095	095B
SW-099	099B
SW-100	100B
SW-110	110B
SW-150	150B
SW-190	190B
SW225	225B
SW226	226B
SW276	276B
SW280	280B
SW295	295B
SW2955	2955B
SW300	300B
SW350	350B

LOVEJOY TYPE RRL	UNIQUE Series FX TYPE C
RRL-095	095C
RRL-100	100C
RRL-110	110C
RRL-150	150C
RRL-190	190C
RRL-225	225C

LOVEJOY TYPE C	UNIQUE Series F
C226	F1450
C276	F1650
C280	F2000
C295	F2450
C2955	F2451
C300	F2660
C350	F3170

LOVEJOY TYPE H	UNIQUE Series F
H3067	F2662
H3567	F2922
H3667	F3172

LOVEJOY TYPE HR	UNIQUE Series FR
HR4067	FR3492
HR4567	FR4002
HR5069	FR4122
HR6069	FR4612
HR7069	FR5262
HR8069	FR6002

LOVEJOY TYPE CQ	UNIQUE Series FQ
CQ226	FQ1450
CQ276	FQ1650
CQ280	FQ2000
CQ295	FQ2450
CQ2955	FQ2451
CQ300	FQ2660
CQ350	FQ3170

LOVEJOY TYPE HQ	UNIQUE Series FQ
HQ3067	FQ2662
HQ3567	FQ2922
HQ3667	FQ3172
HQ4067	FQ3492
HQ4567	FQ4002
HQ5069	FQ4122
HQ6069	FQ4612
HQ7069	FQ5262