Lovejoy / Sier-Bath Continuous Sleeve Gear Couplings

C Type Flex-Flex Couplings

The C Type coupling consists of two flex hubs, one sleeve and one accessory kit consisting of seals and snap rings.

CFR Type Flex-Rigid Couplings

The CFR Type coupling consist of one flex hub, one rigid hub, one sleeve, one accessory kit consisting of seals and snap rings.

Features

- Simple and inexpensive type of gear coupling
- All steel sleves and hubs
- Reinforced rubber seals with snap rings to hold lubricant in place
- Available as vertical and horizontal couplings
- Wide variety of special variations such as full-flex, flex-rigid mill motor
- Standard configurations are available of the shelf

C - CFR Performance Data

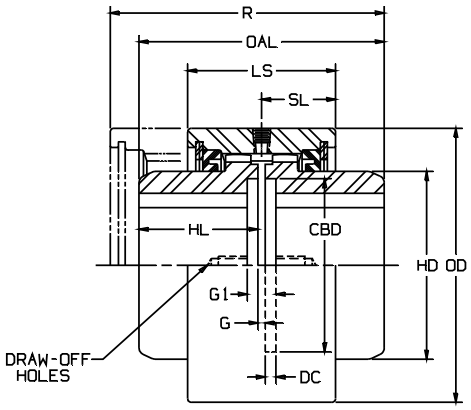
Size	Nominal Torque in-lb	Nm	Maximum Speed Unbal RPM	Bal RPM	ID1 - ID2 Flex & Rigid Max Bore in	mm	Flex & Rigid Rough Stock Bore in	mm	Weight lbs	kg	Parallel Misalignment in	mm	Angular Misalignment Degrees
7/8	2,500	300	6,000	18,000	1.25	31			5	2	0.005	0.13	
1.5	7,600	900	5,000	15,000	1.63	42			8	4	0.007	0.18	1/2°
2	20,200	2 300	4,200	12,600	2.13	56	Solid with Center		13	6	0.007	0.18	per Mesh
2.5	30,200	3 400	3,750	11,250	2.63	70			20	9	0.007	0.25	
3	50,400	5 700	3,600	9,000	3.13	84			33	15	0.010	0.30	
3.5	88,200	10 000	2,800	8,400	3.63	97	1.25	32	63	29	0.012	0.30	
4	126,000	14 200	2,400	7,200	4.13	111	1.75	44	91	41	0.012	0.30	
4.5	184,000	20 800	2,200	6,600	4.75	130	2.38	60	126	57	0.007	0.18	
5	270,900	30 600	2,100	6,300	5.75	160	2.88	73	195	89	0.007	0.18	1/4°
6	378,000	42 700	2,000	6,000	6.75	186	3.88	99	267	121	0.009	0.23	per Mesh
7	598,500	67 600	1,000	3,000	7.50	200	4.69	119	320	145	0.010	0.25	
9	1,260,000	142 400	800	2,400	9.50	240	5.88	149	520	236	0.011	0.28	
11	2,205,000	249 200	600	1,800	11.50	305	7.75	197	925	420	0.013	0.33	
12	2,520,000	284 700	550	1,650	12.50	330	9.75	248	1,200	545	0.014	0.36	

Ordering Information

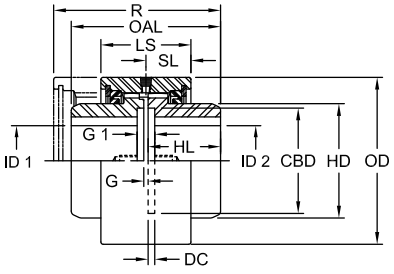
- Application: Driver and Driven.
- Type and size of coupling, horizontal, vertical etc.
- Power: Motor horspower or torque requirement.
- Speed: Motor RPM or Driven RPM.
- Distance between shaft ends (BSE).
- Shaft sizes.

Lovejoy / Sier-Bath Continuous Sleeve Gear Couplings

C and CFR Type Couplings



C Type Flex-Flex Coupling



CFR Type Flex-Rigid Coupling

C and CFR Type Dimensional Data

Size	R in	OAL in	LS in	SL in	ID1 - ID2 Flex & Rigid Max Bore in	ID1 - ID2 Flex & Rigid Max Bore mm	ID1 - ID2 Flex & Rigid Rough Stock Bore in	ID1 - ID2 Flex & Rigid Rough Stock Bore mm	HL in	DC in	BSE G in	BSE G1 in	OD in	HD in	CBD in
7/8	3.75	3.13	2.00	1.00	1.25	31	Solid with Center		1.50	0.13	0.13	0.38	3.31	2.00	1.94
1.5	4.59	3.75	2.53	1.27	1.63	42			1.81	0.19	0.13	0.50	3.75	2.38	2.25
2	4.88	4.25	2.56	1.28	2.13	56			2.06	0.19	0.13	0.50	4.75	3.25	3.00
2.5	5.72	4.75	3.06	1.53	2.63	70			2.25	0.25	0.25	0.75	5.50	3.94	3.75
3	6.88	5.50	3.75	1.88	3.13	84			2.63	0.25	0.25	0.75	6.63	4.75	4.75
3.5	9.25	8.75	4.00	2.00	3.63	97	1.25	30	4.25	0.25	0.25	0.75	7.50	5.38	5.50
4	9.50	9.00	4.63	2.31	4.13	111	1.75	44	4.38	0.25	0.25	0.75	8.75	6.25	6.50
4.5	10.38	10.25	4.88	2.44	4.75	130	2.38	60	5.00	0.25	0.25	0.75	9.50	7.25	7.25
5	12.25	12.25	5.75	2.88	5.75	160	2.88	73	6.00	0.25	0.25	0.75	10.75	8.25	8.12
6	13.38	13.00	6.50	3.25	6.75	186	3.88	99	6.38	0.25	0.25	0.75	12.25	9.50	9.25
7	15.38	14.88	7.50	3.75	7.50	200	4.69	119	7.25	0.25	0.38	0.88	14.00	10.50	9.75
9	19.00	19.00	8.13	4.06	9.50	240	5.88	149	9.25	0.25	0.50	1.00	16.25	12.63	12.25
11	22.50	22.50	8.13	4.06	11.50	305	7.75	197	11.00	0.25	0.50	1.00	19.25	15.63	15.00
12	25.00	25.00	8.38	4.19	12.50	330	9.75	248	12.25	0.25	0.50	1.00	20.50	16.50	16.00

Ordering Information

- Puller Holes are standard on sizes 4 through 12.
- Puller Holes are available for sizes 7/8 through 3.5 at an additional charge.
- The BSE (distance Between Shaft Ends) may vary between G and G1.
- Interference bores with no set screws are standard unless otherwise specified.
- Inch bores and keyway tolerances conform to ANSI / AGMA 9002-B04.
- For metric bores and keyway tolerances, consult Lovejoy Engineering Section.
- Larger sizes are available, please consult Lovejoy Technical Support.