



GEAR COUPLING C & CFR

SIER-BATH GEAR 'C' & 'CFR'

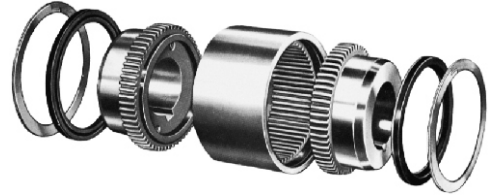
'C' TYPE (FLEX - FLEX)

The basis for all types of Lovejoy Sier-Bath continuous sleeve flexible gear couplings. suitable for most applications. Gear teeth are precision cut, 20° pressure angle with minimum backlash, and even distribution of load, greater capacity and longer life.

'CFR' TYPE (FLEX - RIGID)

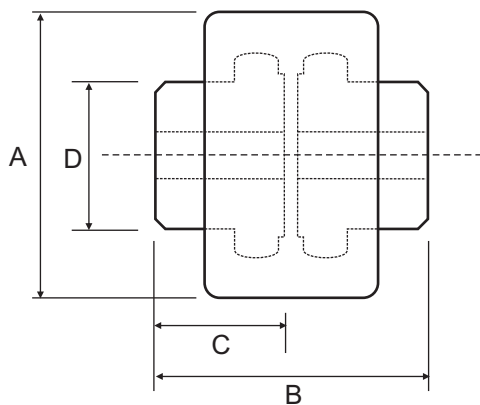
The Flex-Rigid gear coupling consists of a flexible hub and a rigid hub with a single sleeve. The flexible hub is a standard hub from a Flex-Flex coupling. The rigid hub uses a splined type hub. The Flex-Rigid coupling accommodates angular misalignment only and does not allow for parallel misalignment.

PERFORMANCE DATA



Part No.	Max Bore	Power at 100 RPM kW	Nominal Torque (Nm)	Normal Maximum Speed (RPM)
C 7/8	31.8	3.141	300	6000
C 1.1/2	42.0	9.424	900	5000
C 2	56.0	24.084	2300	4200
C 2.1/2	70.0	35.602	3400	3750
C 3	84.0	59.686	5700	3000
C 3.1/2	97.0	104.712	10000	2800
C 4	111.0	148.691	14200	2400
C 4.1/2	130.0	217.801	20800	2200
C 5	160.0	320.419	30600	2100
C 6	186.0	447.120	42700	2000

DIMENSIONAL DATA



Part No.	Bore		A	B	C	D
	Min	Max				
C 7/8	11.2	31.8	84.1	79.5	38.1	50.8
C 1.1/2	16.0	42.0	95.3	95.3	46.0	60.5
C 2	18.5	56.0	120.7	108.0	52.3	82.6
C 2.1/2	22.4	70.0	139.7	120.7	57.2	100.1
C 3	30.2	84.0	168.4	139.7	66.8	120.7
C 3.1/2	31.8	97.0	190.5	222.3	108.0	136.7
C 4	44.5	111.0	222.3	228.6	111.3	158.8
C 4.1/2	60.5	130.0	241.3	260.4	127.0	184.2
C 5	73.2	160.0	273.1	311.2	152.4	209.6
C 6	98.6	180.0	311.2	330.2	162.1	241.3



GEAR COUPLING F & FFR

SIER BATH GEAR 'F' & 'FFR'

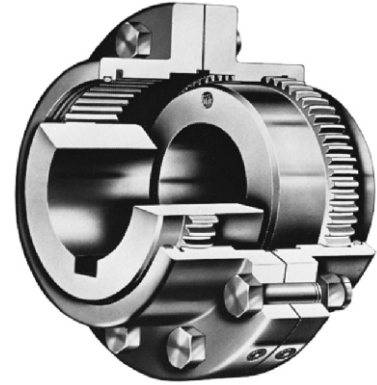
'F' TYPE (FLEX - FLEX)

Double engagement provides standard engagement for parallel misalignment, angular misalignment and end float with the ability to accommodate close coupled application requirements.

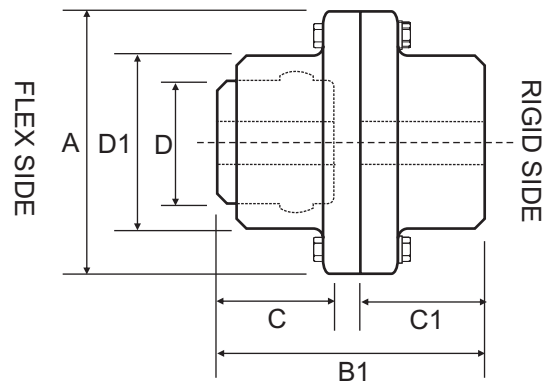
'FFR' TYPE (FLEX - RIGID)

Single engagement accommodates angular misalignment only and does not allow for parallel misalignment. This design consists of a flexible and rigid half, most commonly used in floating shaft applications to solve remote drive and excessive misalignment problems.

PERFORMANCE DATA



Part No.	Max Bore		Power at 100 RPM kW	Nominal Torque (Nm)	Normal Maximum Speed (RPM)
	Flex Hub	Rigid Hub			
F 1	42.0	56.0	8.901	850	6000
F 1.1/2	56.0	76.0	22.408	2140	5500
F 2	73.0	95.0	37.277	3560	5000
F 2.1/2	88.0	114.0	67.120	6410	4400
F 3	107.0	134.0	112.042	10700	4000
F 3.1/2	124.0	150.0	179.058	17100	3500
F 4	147.0	176.0	260.733	24900	3000
F 4.1/2	167.0	202.0	358.115	34200	2700
F 5	176.0	231.0	514.136	49100	2500
F 5.1/2	202.0	260.0	678.534	64800	2200
F 6	225.0	288.0	886.911	84700	2100
F 7	254.0	318.0	1192.670	113900	2000



Shrouded bolts are standard to size 3.1/2
Exposed bolts are standard size 4 and larger

DIMENSIONAL DATA

Part No.	Bore				A	B*	B1	C	C1	D	D1
	Min Flex	Min Rigid	Max Flex	Max Rigid							
F 1	11.2	-	42.0	56.0	115.8	88.9	86.6	42.9	39.6	58.7	77.7
F 1.1/2	17.5	-	56.0	76.0	152.4	101.6	100.1	49.3	46.7	76.2	100.8
F 2	23.9	-	73.0	95.0	177.8	127.0	124.0	62.0	57.9	101.6	124.7
F 2.1/2	36.6	-	88.0	114.0	212.9	158.8	155.7	77.0	73.9	117.6	150.1
F 3	36.6	-	107.0	134.0	239.8	187.5	182.6	91.2	86.6	143.0	175.5
F 3.1/2	46.0	-	124.0	150.0	279.4	219.2	212.9	106.4	100.8	165.1	200.9
F 4	62.0	-	147.0	176.0	317.5	247.7	241.3	120.7	112.8	190.5	235.0
F 4.1/2	76.2	-	167.0	202.0	346.2	277.9	271.5	134.9	127.8	215.9	263.7
F 5	76.2	101.6	176.0	231.0	388.9	314.5	306.3	153.2	144.5	241.3	293.6
F 5.1/2	101.6	114.3	202.0	260.0	425.5	358.9	340.6	175.5	156.5	266.7	325.4
F 6	101.6	139.7	225.0	288.0	457.2	384.3	386.6	188.2	188.2	292.1	355.6
F 7	127.0	146.1	254.0	318.0	527.1	450.9	454.2	220.7	220.7	330.2	400.1

*B = the overall length of a Flex - Flex coupling, not shown