



Revision Date: December,2013

FLEXIBLE COUPLING
GKF

Flexible Coupling

Flexible couplings are designed to transmit torque while permitting some radial, axial, and angular misalignment. Flexible couplings can accommodate angular misalignment up to a few degrees and some parallel misalignment .

Sizes available: 1" ~ 10 "

Working pressure: 300PSI/2.5MPA

MATERIAL SPECIFICATIONS

- **Housing:**

Ductile iron conform to ASTM A536 65-45-12

- **Coating:**

- Dacromet
- Red paint (RAL 3000)

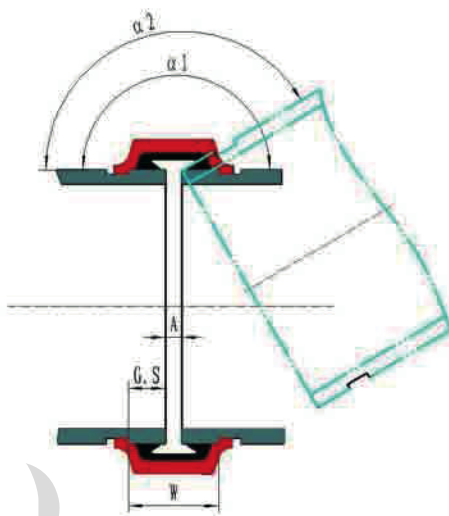
- **Rubber gasket:**

EPDM gaskets dispose of the international certifications and have undergone the aging test at 110°C(230°F) during a period of 45 days(1080 hours).Moreover, the gaskets have undergone the frozen test at -40°C(-40°F) during a period of 4 days (96 hours).

Working temperature gaskets : -34°C – 110°C (-29F - 230F)

- **Bolts & Nuts:**

Medium Carbon Steel



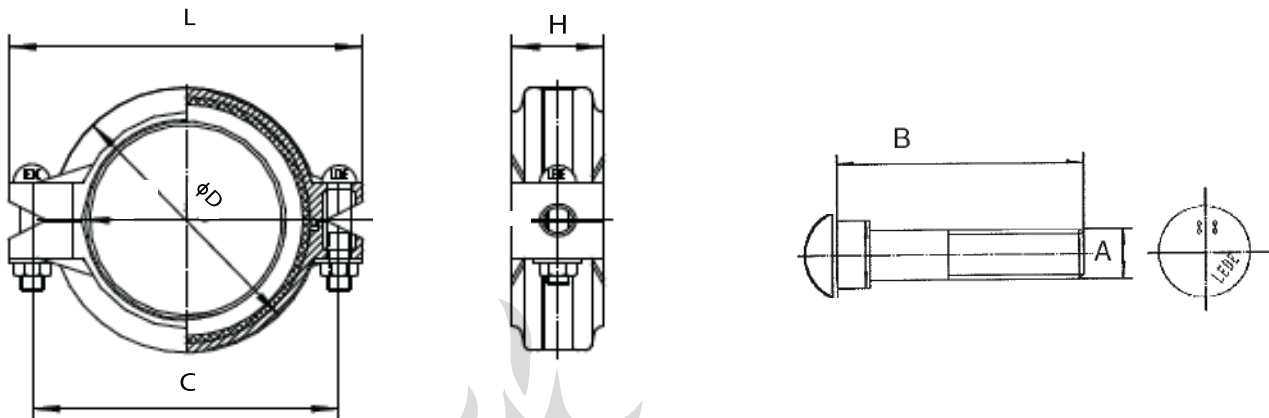
Reference		Nominal Size		Actual Outside Dia. mm	W mm	G.S.(mm)			Gap between two pipes (A)(mm)		Max Deflection Angle°
Red	Dacromet	Inches	mm			Basic	Max.	Min.	Max.	Min.	
GKFR	GKFG	1"	25	33.7	34	15.88	16.64	15.12	3.76	0.72	2.3
GKFR	GKFG	1¼"	32	42.4	34	15.88	16.64	15.12	3.76	0.72	2.3
GKFR	GKFG	1½"	40	48.3	34	15.88	16.64	15.12	3.76	0.72	2.3
GKFR	GKFG	2"	50	60.3	35	15.88	16.64	15.12	4.76	1.72	2.3
GKFR	GKFG	2½"	65	76.1	35	15.88	16.64	15.12	4.76	1.72	1.9
GKFR	GKFG	3"	80	88.9	35	15.88	16.64	15.12	4.76	1.72	1.6
GKFR	GKFG	4"	100	114.3	36	15.88	16.64	15.12	5.76	2.72	1.6
GKFR	GKFG	5"	125	139.7	36.5	15.88	16.64	15.12	6.26	3.22	1.3
GKFR	GKFG	6"	150	168.3	37.5	15.88	16.64	15.12	7.26	4.22	1.1
GKFR	GKFG	8"	200	219.1	43.5	19.05	19.81	18.29	6.92	3.88	0.8
GKFR	GKFG	10"	250	273	47	19.05	19.81	18.29	10.42	7.38	0.7

- The actual gap between the pipes may be changed according to the actual cut and roll groove.
- Extra degrees of deflection angle is allowed for flexible coupling, but when the flexible coupling is assembled, the value must be no more than the maximum degree.

General notes:

- Pressure ratings listed are CWP(cold water pressure) or maximum working pressure within the service temperature range of the gasket used in the coupling. This rating may occasionally differ from maximum working pressure listed and/or approved by UL and/or FM as test working pressure listed and/or approved by UL and/or FM as testing conditions and test pipes differ.
- Maximum working pressures and end loads listed are total of internal and external pressures and loads based on standard weight (ANSI) steel pipe, standard roll or cut grooved accordance with LEDE specifications.
- For one time field test only the maximum joint working pressure may be increased 1-1/2 times the figure shown.
- Warning: piping systems must always be depressurized and drained before attempting disassembly and/or removal of any components.
- LEDE reserves the right to change specifications, designs and/or standard equipment without notice and without incurring any obligations.

Dimensions



FLEXIBLE COUPLING
GKF

Reference		Size Inch	Nominal Dimensions						Bolt Size Dia.XLg. AXB	Bolt Torque N*M	Nuts mm	Socket wrench mm	Weight Kg
Red	Dacromet		O.D. mm	DN mm	ΦD mm	L mm	H mm	C mm					
GKFR	GKFG	1"	33.7	25	55	97	45	73	M10x40	75-80	21.8	15	0.42
GKFR	GKFG	1¼"	42.4	32	63.5	107.5	45	84	M10x50	75-80	21.8	15	0.48
GKFR	GKFG	1½"	48.3	40	69	114	45	90	M10x50	75-80	21.8	15	0.53
GKFR	GKFG	2"	60.3	50	83.6	124	46	102	M10x60	75-80	21.8	15	0.71
GKFR	GKFG	2½"	76.1	65	98	139	46	115	M10x60	75-80	21.8	15	0.80
GKFR	GKFG	3"	88.9	80	114	156	46	132	M10x60	75-80	21.8	15	0.97
GKFR	GKFG	4"	114.3	100	142	189	50	162	M12x70	110-120	26	18	1.44
GKFR	GKFG	5"	139.7	125	170	222	50	192	M12x70	110-120	26	18	1.89
GKFR	GKFG	6"	168.3	150	198	251	50	222	M12x70	110-120	26	18	2.15
GKFR	GKFG	8"	219.1	200	252	316	60	282	M16x85	200-230	34.5	24	3.77
GKFR	GKFG	10"	273	250	319	393	64	352	M20x110	270-300	42.8	30	6.39

General notes:

- Pressure ratings listed are CWP(cold water pressure) or maximum working pressure within the service temperature range of the gasket used in the coupling. This rating may occasionally differ from maximum working pressure listed and/or approved by UL and/or FM as test working pressure listed and/or approved by UL and/or FM as testing conditions and test pipes differ.
- Maximum working pressures and end loads listed are total of internal and external pressures and loads based on standard weight (ANSI) steel pipe, standard roll or cut grooved accordance with LEDE specifications.
- For one time field test only the maximum joint working pressure may be increased 1-1/2 times the figure shown.
- Warning: piping systems must always be depressurized and drained before attempting disassembly and/or removal of any components.
- LEDE reserves the right to change specifications, designs and/or standard equipment without notice and without incurring any obligations.