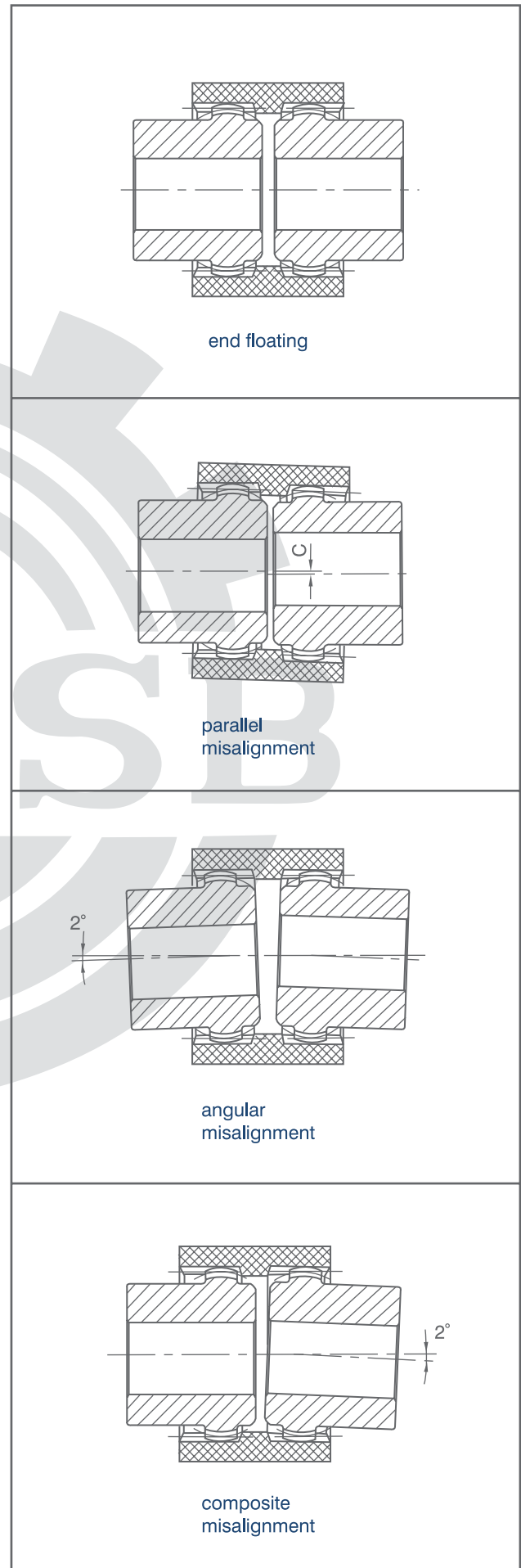


NSPT GF-Couplings

Conceptual Diagram for Installation Errors



Catalog	Parallel Misalignment	Angular Misalignment	Shaft End-play
GF-14	0.03	±2°	±0.04
GF-19	0.03	±2°	±0.04
GF-24	0.03	±2°	±0.04
GF-28	0.04	±2°	±0.04
GF-32	0.04	±2°	±0.04
GF-38	0.035	±2°	±0.04
GF-42	0.035	±2°	±0.04
GF-48	0.035	±2°	±0.04
GF-55	0.05	±2°	±0.04
GF-65	0.05	±2°	±0.04

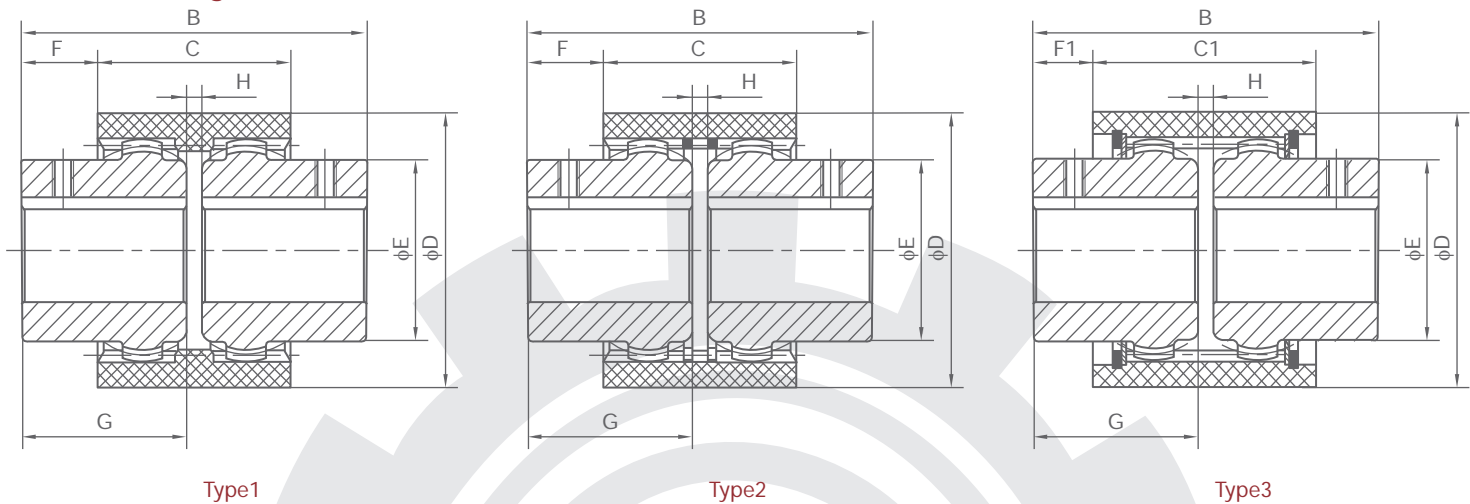


Direction for Installation:

When installing the coupling, ensure the shaft is parallel to the gear face. The existences of slot in between two gears, enough external length required for installation and the proper radial eccentricity have to be guaranteed. Angular and axial deviations should be ensured within allowed range.

NSPT GF-Couplings

GF Couplings have been used widely by various mechanical engineering and hydraulic fields nowadays. It is suitable for both horizontal and vertical installations. Its axial-shaft-inserting assembling method makes the installation very convenient to users. It also adopts the curve surface drum type teeth, which avoid the focal of stress under installation tolerance. The maintenance is eliminated through the assembly of steel gear and nylon teeth sheath. This will compensate axial, radial and angular tolerance for two shaft lines.



NSPT GF-Coupling (Standard Series)(Type1 & Type2)

Catalog	Fundamental Dimensions							Bore		Max Torque Ft.lb	Max Revolution (rpm)	Moment of inertia lb.in ²	Wt Lbs
	D	E	B	C	F	G	H	Pilot	Max				
GF-14	15/8	1	2	1 1/2	1/4	15/16	3/16	1/4	9/16	16.96	14000	0.092	0.48
GF-19	1 7/8	1 1/4	2 3/16	1 1/2	5/16	1	3/16	5/16	3/4	27.29	12000	0.218	0.83
GF-24	2 1/16	1 7/16	2 1/4	1 5/8	5/16	1 1/16	3/16	3/8	15/16	33.93	10000	0.314	1.06
GF-28	2 5/8	1 3/4	3 3/8	1 7/8	3/4	1 5/8	3/16	3/8	1 1/8	75.96	8000	1.176	2.50
GF-32	2 15/16	2	3 1/16	1 7/8	1 1/16	1 9/16	3/16	1/2	1 1/4	101.78	7100	1.715	3.05
GF-38	3 3/8	2 1/4	3 5/16	2	5/8	1 9/16	3/16	9/16	1 1/2	129.80	6300	3.270	4.26
GF-42	3 3/4	2 1/2	3 7/16	2	3/4	1 5/8	3/16	3/4	1 5/8	162.25	6000	4.453	5.11
GF-48	3 15/16	2 5/8	4 1/16	2	1 1/16	2	3/16	3/4	1 7/8	227.15	5600	6.189	6.85
GF-55	4 3/4	3 1/4	4 7/8	2 9/16	1 3/16	2 3/8	3/16	1	2 3/16	420.37	4800	16.859	12.00
GF-65	5 1/2	3 3/4	5 5/8	2 7/8	1 7/16	2 3/4	3/16	1	2 5/8	619.50	4000	36.260	18.50

NSPT GF-Coupling (Standard Series)(Type3)

Catalog	Fundamental Dimensions							Bore		Max Torque Ft-Lb	Max Revolution (rpm)	Moment of inertia lb.in ²	Wt Lbs
	D	E	B	C1	F1	G	H	Pilot	Max				
GF-24	2 1/16	1 7/16	2 1/4	2 1/16	3/32	1 1/16	3/16	3/8	15/16	33.93	10000	0.314	1.06
GF-28	2 5/8	1 3/4	3 3/8	2 1/4	9/16	1 5/8	3/16	3/8	1 1/8	75.96	8000	1.176	2.50
GF-32	2 15/16	2	3 5/16	2 1/4	1/2	1 9/16	3/16	1/2	1 1/4	101.78	7100	1.715	3.05
GF-38	3 3/8	2 1/4	3 5/16	2 7/16	9/16	1 9/16	3/16	9/16	1 1/2	129.80	6300	3.270	4.26
GF-42	3 3/4	2 1/2	3 7/16	2 7/16	9/16	1 5/8	3/16	3/4	1 5/8	162.25	6000	4.453	5.11
GF-48	3 15/16	2 5/8	4 1/16	2 9/16	9/16	2	3/16	3/4	1 7/8	227.15	5600	6.189	6.85
GF-55	4 3/4	3 1/4	4 7/8	3 3/16	5/8	2 3/8	3/16	1	2 3/16	420.37	4800	16.859	12.0
GF-65	5 1/2	3 3/4	5 5/8	3 7/16	5/8	2 3/4	3/16	1	2 9/16	619.50	4000	36.260	18.5

Keyway dimensions conform to DIN 6885, JIS B 1310-1976, UNI 6604-1969, GB 1095-1979 standards.

NSPT GF-Coupling

NSPT GF-coupling(lengthen series)(Type1 Type2)

Catalog	Fundamental Dimensions							Bore		Max Torque Ft-Lbs	Max Revolution (rpm)	Moment of inertia Lb·in ²	wt Lbs
	D	E	B	C	F	G	H	min	max				
GF-14L	15/8	1	2 1/2	1 1/2	1/2	1 3/16	3/16	1/4	9/16	16.96	14000	0.092	0.60
GF-19L	1 7/8	1 1/4	3 5/16	1 1/2	7/8	1 9/16	3/16	5/16	3/4	27.29	12000	0.218	1.26
GF-24L	2 1/16	1 7/16	4 1/16	1 5/8	1 1/4	2	3/16	3/8	15/16	33.93	10000	0.314	1.88
GF-28L	2 5/8	1 3/4	4 7/8	1 7/8	1 1/2	2 3/8	3/16	3/8	1 1/8	75.96	8000	1.176	3.57
GF-32L	2 15/16	2	4 7/8	1 7/8	1 1/2	2 3/8	3/16	1/2	1 1/4	101.78	7100	1.715	4.38
GF-38L	2 3/8	2 1/4	6 7/16	2	2 1/4	3 1/8	3/16	9/16	1 1/2	129.80	6300	3.270	8.12
GF-42L	3 3/4	2 1/2	8 13/16	2	3 7/16	4 3/8	3/16	3/4	1 5/8	162.25	6000	4.453	12.2
GF-48L	3 15/16	2 5/8	8 13/16	2	3 7/16	4 3/8	3/16	3/4	1 7/8	227.15	5600	6.189	14.07
GF-55L	4 3/4	3 1/4	8 13/16	2 9/16	3 1/8	4 3/8	3/16	1	2 3/16	420.37	4800	16.859	29.12
GF-65L	5 1/2	3 3/4	8 13/16	2 13/16	3	4 3/8	3/16	1	2 9/16	619.50	4000	36.260	35.2

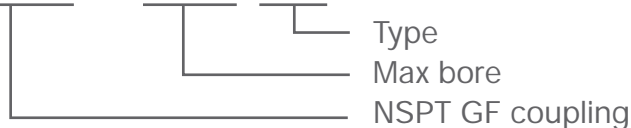
NSPT GF-coupling(lengthen series)(Type3)

Catalog	Fundamental Dimensions							Bore		Max Torque Ft-Lbs	Max Revolution (rpm)	Moment of inertia Lb·in ²	wt Lbs
	D	E	B	C1	F1	G	H	Pilot	Max				
GF-24L	2 1/16	1 7/16	4 1/16	2 1/16	1	2	3/16	3/8	7/8	33.93	10000	0.314	1.88
GF-28L	2 5/8	1 3/4	4 7/8	2 1/4	1 1/4	2 3/8	3/16	3/8	1 1/8	75.96	8000	1.176	3.57
GF-32L	2 15/16	2	4 7/8	2 1/4	1 1/4	2 3/8	3/16	1/2	1 1/4	101.78	7100	1.715	4.38
GF-38L	3 3/8	2 1/4	6 7/16	2 7/16	2 1/16	3 3/16	3/16	9/16	1 1/2	129.80	6300	3.270	8.12
GF-42L	3 3/4	2 1/2	8 13/16	2 7/16	3 1/4	4 3/8	3/16	3/4	1 5/8	162.25	6000	4.453	12.2
GF-48L	3 15/16	2 5/8	8 13/16	2 9/16	3 1/4	4 3/8	3/16	3/4	1 7/8	227.15	5600	6.189	14.2
GF-55L	4 3/4	3 1/4	8 13/16	3 3/16	1 13/16	4 3/8	3/16	1	2 3/16	420.37	4800	16.859	29.1
GF-65L	5 1/2	3 3/4	8 13/16	3 7/16	2 11/16	5 1/2	3/16	1	2 9/16	619.50	4000	36.260	35.2

Keyway dimensions conform to DIN 6885, JIS B 1310-1976, UNI 6604-1969, GB 1095-1979 standards.

Expressing method:

GF - 14 - 1



GF - 14L - 1

