COUPLINGS

Dynaflex Elastomeric Flexible Couplings

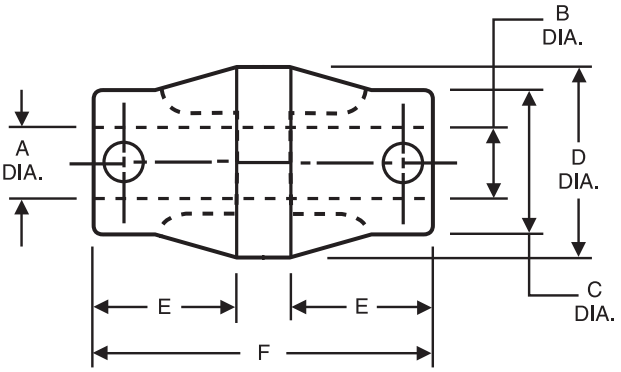
For Low Frequency Vibration Isolation and Misalignment Accommodation
Compact, one-piece flexible couplings economically constructed to isolate low-frequency vibration and accommodate multi-directional misalignment.

Typical applications:
Shear-type flexible couplings are useful in many small equipment driveline applications.

Multi-directional misalignment capabilities make them ideally suited for fractional horsepower drivelines demanding noise reduction, vibration isolation and maintenance-free operation.

Typical applications include:
Information Systems – Motor drive, printer rollers, indexing devices, linear actuator, drives and card sorters.
Hospital Bed – Actuator drive
Dynamometer – Driveline
Tachometer – Driveline
Pumps, Blowers, Compressors – Driveline

Dynaflex Shear Type Couplings



Standard Bore Tolerances

Bore Sizes	Tolerance
from .000 to .499	+ .001 - .000
from .500 to .749	+ .0015 - .0000
from .750 to 1.499	+ .002 - .000

Part Number	Standard Bore Diameters		C in	D in Ref.	E in Ref.	F in	HP at 1750 rpm Ref.	Torque Rating lbs-in	Static Torsional Stiffness lb-in/deg ± 20%	Set Screw Size
	A - in	B - in								
SK-1947-6	.125	.125								
SK-1947-14	.125	.187								
SK-1947-52	.125	.250	.44	.56	.36	.81	1/50	0.8	0.53	5/40
SK-1947	.187	.187								
SK-1947-19	.187	.250								
SK-1947-29	.250	.250								

Part Number	Standard Bore Diameters		C in	D in Ref.	E in Ref.	F in	HP at 1750 rpm Ref.	Torque Rating lbs-in	Static Torsional Stiffness lb-in/deg ± 20%	Set Screw Size
	A - in	B - in								
J-1211-1-2	.187	.187								
J-1211-1-31	.187	.250								
J-1211-1-1	.250	.250	.63	.81	.56	1.38	1/16	2.50	.17	10/24
J-1211-1-9	.250	.312								
J-1211-1-5	.312	.312								
J-1211-2-2	.250	.250								
J-1211-2-11	.250	.312								
J-1211-2-6	.250	.375	.75	1.00	.72	1.75	1/8	5	.33	10/24
J-1211-2-3	.312	.312								
J-1211-2-12	.312	.375								
J-1211-2-1	.375	.375								
J-1211-3-4	.312	.312								
J-1211-3-14	.312	.375								
J-1211-3-12	.312	.500	.88	1.25	.88	2.13	1/4	10	.66	1/4-20
J-1211-3-2	.375	.375								
J-1211-3-8	.375	.500								
J-1211-3-1	.500	.500								
J-1211-4-2	.375	.375								
J-1211-4-35	.375	.500								
J-1211-4-11	.375	.625	1.00	1.38	.91	2.25	1/3	13	.87	1/4-20
J-1211-4-14	.500	.500								
J-1211-4-4	.500	.625								
J-1211-4-1	.625	.625								
J-1211-5-3	.500	.500								
J-1211-5-8	.500	.625								
J-1211-5-4	.500	.750	1.13	1.63	1.00	2.50	1/2	20	1.33	1/4-20
J-1211-5-2	.625	.625								
J-1211-5-1	.750	.750								
J-1211-6-12	.500	.500								
J-1211-6-10	.500	.750								
J-1211-6-18	.625	.625	1.38	1.81	1.05	2.69	3/4	30	2.00	5/16-18
J-1211-6-14	.625	.750								
J-1211-6-1	.750	.750								
J-1211-7-16	.500	.750								
J-1211-7-9	.625	.625								
J-1211-7-4	.625	.750	1.50	2.00	1.11	2.88	1	40	2.66	5/16-18
J-1211-7-1	.750	.750								
J-1211-7-21	.750	.875								
J-1211-7-3	1.00	1.00								

- Intrusion should not exceed "E" bore length dimensions
- Standard Construction: Hubs – steel, Bores – as listed, Set Screws – one per hub furnished but not installed, Flexing Element – neoprene.
- Notes: Maximum recommended misalignment – 1/32 in. parallel. 2° angular

COUPLINGS

Coupling Requirements

Primary Function:

Shaft Misalignment		Specific Requirements	
_____	Axial	_____	Inches
_____	Angular	_____	Degrees
_____	Parallel	_____	Inches
_____	Torsional Vibration Isolation	_____	% Isolation @ _____ RPM
_____	Torsional Shock Loads	_____	Maximum Amplitude
_____	Noise Attenuation		

Parameters:

* System Operating Temperature: Normal _____°F, Maximum _____°F, Minimum _____°F

* Environmental: Oil Immersion _____ Oil Splash _____
Other _____ Mil Spec _____

* Space Envelope: Maximum Length _____ Maximum Diameter _____

* Attachments: Driving ❑ Spline ❑ Flange Driven ❑ Spline ❑ Flange
❑ Keyways ❑ Set Screws ❑ Keyways ❑ Set Screws

* Shaft Diameters: Driving _____ Driven _____

Fail-Safe Feature Required: ❑ Yes ❑ No

Maximum Allowable Weight: _____

* Minimum Hours Life Required: _____

Please attach the following:
1. A layout of the available space envelope and other pertinent drawings showing connecting driveline components.
2. A system mass-elastic diagram including all rotational mass moments of inertia and torsional stiffnesses.

* Required Data