

Fenaflex® Flywheel Couplings

FENAFLEX ELEMENTS—PHYSICAL CHARACTERISTICS AND POWER RATINGS

Coupling Size	Element Part No.	Normal Torque (Nm) T_{KN}	Maximum Torque (Nm) T_{KMAX}	Maximum Alternating Torque (Nm) $\pm T_{KW}$	Resonance Factor V_R	Damping Energy Ratio ψ	Dynamic Stiffness (Nm/rad) C^{Tdyn}	Power at * 1500 rev/min (kW)	Power at * 1800 rev/min (kW)
87 (SAE 7½)	033D0100	239	717	155	7.0	0.9	6847	37	45
	033D0101	478	956	238	7.0	0.9	13695	75	90
	033D0102	239	717	120	7.0	0.9	3427	37	45
	033D0105	239	717	64	7.0	0.9	1369	37	45
96 (SAE 8)	033E0100	325	975	211	7.0	0.9	9311	51	61
	033E0101	650	1300	324	7.0	0.9	18623	102	122
	033E0102	325	975	163	7.0	0.9	4653	51	61
	033E0105	325	975	87	7.0	0.9	1862	51	61
112	033R0100	592	1776	385	7.0	0.9	16959	93	111
	033R0101	1184	2368	590	7.0	0.9	33922	186	223
	033R0105	592	1776	158	7.0	0.9	3392	93	111
116 (SAE 10)	033G0100	592	1776	385	7.0	0.9	16961	93	111
	033G0101	1184	2368	590	7.0	0.9	33922	186	223
	033G0102	592	1776	296	7.0	0.9	8480	93	111
	033G0105	592	1776	158	7.0	0.9	3392	93	111
131 (SAE 11½)	033H0100	754	2262	490	7.0	0.9	21602	118	142
	033H0101	1508	3016	751	7.0	0.9	43204	237	284
	033H0102	754	2262	377	7.0	0.9	10801	118	142
	033H0105	754	2262	201	7.0	0.9	4320	118	142
135	033S0101	1508	3016	751	7.0	0.9	43204	237	284
	033S0105	754	2262	201	7.0	0.9	4320	118	142
172 (SAE 14)	033K0100	1919	5757	1247	7.0	0.9	54979	301	362
	033K0101	3838	7676	1912	7.0	0.9	109959	602	723
	033K0102	1919	5757	960	7.0	0.9	27492	301	362
	033K0105	1919	5757	511	7.0	0.9	10996	301	362

Selection of Fenaflex flywheel couplings should take account of design power using Service Factors and speed, and also the torsional characteristics of the coupled machines – consult your local Authorised Distributor.

* Power ratings at other speeds directly proportional to these values.

FENAFLEX FLYWHEEL COUPLING – ORDERING INSTRUCTIONS

Consists of: 1–Driving (W) flange

1–Flexible element (above) 1–Driven flange

1–T/L bush to suit driven shaft (F & H driven flanges only)

EXAMPLE ORDER

Fenaflex 114 flywheel coupling comprising 1–116W flange 033G0010

1–Bolt pack 033X0203

1–Standard element 033G0100

1–F100 F flange 033G0302

1–3020 T/L bush 60mm bore 029P0060

Bolts for flywheel fixing can be supplied but are not a stock component.