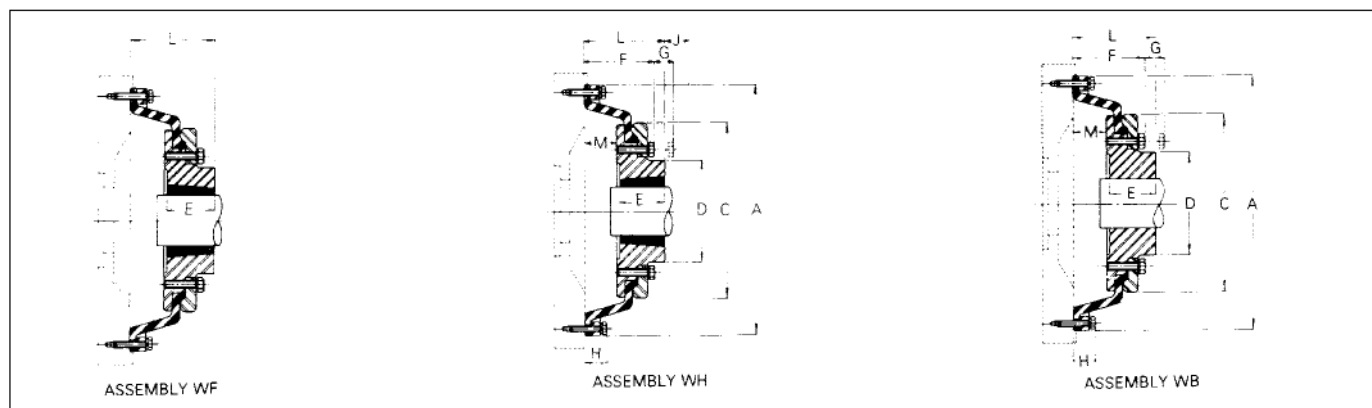


Designed to fit standard SAE and other popular flywheel configurations, these couplings use chloroprene flexible elements and employ standard B, F or H type driven flanges.



DIMENSIONS

Driving Flange — W (Bolt ring)								Driven Flanges — Through Bore and Taper Lock — F & H															
Code No.	Size	PCD	Bolts†	A	H	Mass (kg)	Inertia (kg m²)	Code No.	Size	Type	Bush	Max Bore	C	D	E	F	G	J††	L	M	Screw Over Key	Mass (kg)	Inertia (kg m²)
			Flywheel Fixing Screws*																				
033D0010	87	8.750"	8 off M8 x 30 lg	240	26	1.41	0.016	033D0301	F70	B	—	50	144	80	35	73	13	—	70	35	M10	3.1	0.009
			8 off 5/16" UNC x 1 1/8" lg					033D0302	F70	F	2012	50	144	80	32	73	13	42	67	35	—	3.1	0.009
			033D0303					F70	H	1610	42	144	80	30	73	13	38	65	35	—	3.0	0.009	
033E0010	96	9.625"	8 off M10 x 35 lg	262	30	1.87	0.025	033E0301	F80	B	—	60	167	97	42	81	16	—	82	40	M10	4.9	0.018
			8 off 3/8" UNC x 1 3/8" lg					033E0302	F80	F	2517	60	167	95	45	81	16	48	85	40	—	4.9	0.018
			033E0303					F80	H	2012	50	167	95	32	81	16	42	72	40	—	4.6	0.017	
033R0010	112	11.250"	8 off 7/16" UNF x 1 1/2" lg	305	32	2.49	0.048	033G0301	F100	B	—	80	216	125	48	89	16	—	86	41	M12	9.9	0.055
			033G0302					F100	F	3020	75	216	120	51	89	16	55	89	41	—	7.0	0.031	
			033G0303					F100	H	2517	60	216	113	45	89	16	48	83	41	—	7.0	0.031	
033G0010	116	11.625"	8 off M10 x 35 lg	313	30	2.51	0.051	033G0301	F100	B	—	80	216	125	48	89	16	—	89	41	M12	9.9	0.055
			8 off 3/8" UNC x 1 3/8" lg					033G0302	F100	F	3020	75	216	120	51	89	16	55	92	41	—	9.9	0.055
			8 off 3/8" BSF x 1 3/8" lg					033G0303	F100	H	2517	60	216	113	45	89	16	48	86	41	—	9.4	0.054
033H0010	131	13.125"	8 off M10 x 45 lg	351	39	3.71	0.094	033H0301	F110	B	—	90	233	128	63	102	16	—	118	55	M12	12.5	0.081
			8 off 3/8" UNC x 1 3/4" lg					033H0302	F110	F	3020	75	233	134	51	102	16	55	106	55	—	11.7	0.078
			033H0303					F110	H	3020	75	233	134	51	102	16	55	106	55	—	11.7	0.078	
033S0010	135	13.500"	6 off 3/8" UNC x 1 3/4" lg	364	37	4.16	0.113	033H0301	F110	B	—	90	233	128	63	102	16	—	120	57	M12	12.5	0.081
			033H0302					F110	F	3020	75	233	134	51	106	16	55	108	57	—	11.7	0.078	
			033H0303					F110	H	3020	75	233	134	51	106	16	55	108	57	—	11.7	0.078	
033K0010	172	17.250"	8 off M12 x 50 lg	465	41	7.10	0.320	033K0301	F140	B	—	130	311	178	94	121	17	—	162	68	M20	22.2	0.254
			8 off 1/2" UNC x 2" lg					033K0302	F140	F	3525	100	311	178	65	121	17	67	133	68	—	22.3	0.255
			033K0303					F140	H	3525	100	311	178	65	121	17	67	133	68	—	22.3	0.255	

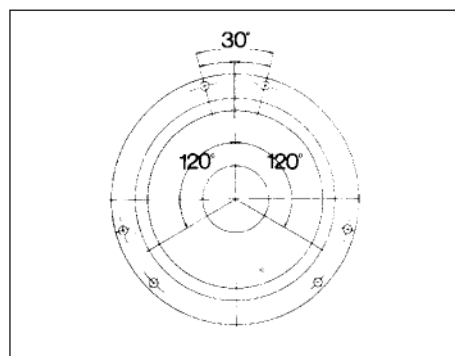
All dimensions in millimetres unless otherwise stated.

Driving flange mass & inertia given are for the bolt ring, bolts and half of the element.

Driven flange mass & inertia given are for an assembled flange having a mid range bore or bush and half the element.

†† J is the wrench clearance to allow for tightening/loosening the bush. A shortened wrench will allow this dimension to be reduced.

* Flywheel fixing screws are not a stock component but should be sourced to the above dimensions, according to thread type used in the flywheel concerned. They should be used with rectangular / square section split washers, respectively.



†W FLANGE—

bolt holes are equi-spaced except size 135W shown

Replacement elements for previously catalogued sizes 192, 213 and 252 are available – Consult your local Authorised Distributor.

FENAFLEX HIGH SPEED COUPLINGS

Fenaflex flywheel style elements can be deployed to couple a balanced disc with Taper Lock weld-on-hub shaft fixing (effectively replacing the flywheel in the designs illustrated above) to a standard Fenaflex flange, for use at higher rotational speeds.

Consult your local Authorised Distributor for details.



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 on page 110) 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.

ALL FENAFLEX COUPLINGS – ORDERING INSTRUCTIONS

SHAFT TO SHAFT COUPLING USING FLEXIBLE TYRE.

Consists of:

2–Flanges (page 112)

T/L bushes for F and H flanges only (pages 126 & 127)

1–Flexible tyre (page 111)

EXAMPLE ORDER

Fenaflex coupling F90BH comprising:

1–F90B flange bored 70mm (coded at time of order).

1–F90H flange code 033F0303

1–2517 T/L bush (bore 35mm) code 029M0035

1–F90 Flexible tyre (Natural) code 033F0048

FENAFLEX SPACER COUPLING

Consists of a standard Fenaflex coupling (using B, F or H flanges as desired) together with a spacer flange and a third Taper Lock bush.

EXAMPLE ORDER

Fenaflex spacer assembly

F110FF–SM30/140 comprising:

2–F110F flanges – 033H0302 (page 112)

1–F110 flexible tyre – 033H0048 (page 111)

1–SM30 x 140mm spacer flange –

033V3000 (page 112)

1–3020 T/L bush to suit motor shaft –

029P00– (page 126–127)

1–3020 x 60mm T/L bush (dimension 'T' page 126) – 029P0060 (page 127)

1–3030 T/L bush to suit driven shaft – 029Q00– (page 127)

FENAFLEX FLYWHEEL COUPLING

Consists of:

1–Driving (W) flange (page 114)

1–Flexible element (above)

1–Driven flange (page 114)

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.