DUNLOP

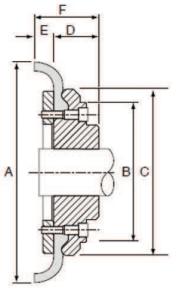
COUPLINGS

DUNFLEX COUPLINGS

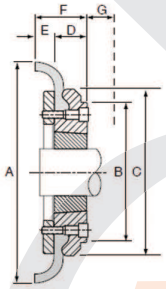
Description

DUNFLEX coupling flanges are available in either F (Taper Bush fits inside) or H (Taper Bush fits outside) or pilot bored (PB) which can be bored in house to the required size. They can accommodate simultaneous misalignment without imposing undue loads on adjacent bearings, they have excellent shock absorbing properties that reduces vibration and torsional oscillation. Inserts are available in either natural rubber for use in ambient temperatures between -50˚C & +50˚C or chloroprene rubber for use in temperatures between -15˚C and +70˚C fire resistance and anti-static properties (F.R.A.S).

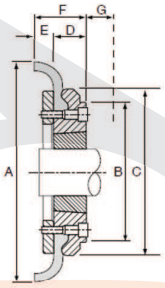
Sizes 040 to 060



Pilot Bore (B)

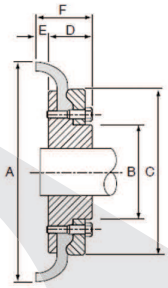


Taper Flange (F)

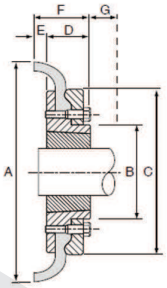


Taper Flange (H)

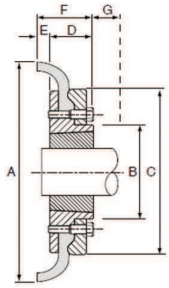
Sizes 070 to 250



Pilot Bore (B)



Taper Flange (F)



Taper Flange (H)

DUNFLEX COUPLINGS

Coupling Size	Bush Size	Max Bore		A	B	C	E	G	Types F & H		Types B		Clamping Screw	Weight (kg)	Inertia (kgm²)
		Metric	Inch						F	D	F	D			
F040B	-	32	-	104	-	82	11.0	29	-	-	33.0	22	M5	0.8	0.00074
F040F	1008	25	1"	104	-	82	11.0	29	33.0	22	-	-	-	0.8	0.00074
F040H	1008	25	1"	104	-	82	11.0	29	33.0	22	-	-	-	0.80	0.00074
F050B	-	38	-	133	79	100	12.5	38	-						0.00115
F050F	1210	32	1.1/4"	133	79	100	12.5	38	38.0	25	-	-	-	1.2	0.00115
F050H	1210	32	1.1/4"	133	79	100	12.5	38	39.0	25	-	-	-	1.2	0.00115
F060B	-	45	-	165	70	125	16.5	38	-	-	55.0	38	M6	2.0	0.0052
F060F	1610	42	1.5/8"	165	103	125	16.5	38	42.0	25	-	-	-	2.0	0.0052
F060H	1610	42	1.5/8"	165	103	125	16.5	38	42.0	25	-	-	-	2.0	0.0052
F070B	-	50	-	187	80	144	11.5	-	-	-	47.0	35	M10	3.1	0.009
F070F	2012	50	2"	187	80	144	11.5	42	44.0	32	-	-	-	3.1	0.009
F070H	1610	42	1.5/8"	187	80	144	11.5	38	42.0	25	-	-	-	3.0	0.009
F080B	-	60	-	211	98	167	12.5	-	-	-	55.0	42	M10	4.9	0.018
F080F	2517	60	2.1/2"	211	97	167	12.5	48	58.0	45	-	-	-	4.9	0.018
F080H	2012	50	2"	211	98	167	12.5	42	45.0	32	-	-	-	4.6	0.017
F090B	-	70	-	235	112	188	13.5	-	-	-	63.5	49	M12	7.1	0.032
F090F	2517	60	2.1/2"	235	108	188	13.5	48	59.5	45	-	-	-	7.0	0.031
F090H	2517	60	2.1/2"	235	108	188	13.5	48	59.5	45	-	-	-	7.0	0.031
F100B	-	80	-	254	125	216	13.5	-	-	-	70.5	56	M12	9.9	0.055

DUNFLEX COUPLING continued

Coupling Size	Bush Size	Max Bore Metric	Max Bore Inch	A	B	C	E¶	G	Types F & H F	Types F & H D	Types B F	Types B D	Clamping Screw	Weight (kg)	Inertia (kgm²)
F100F	3020	75	3"	254	120	216	13.5	55	65.5	51	-	-	-	9.9	0.055
F100H	2517	60	2.1/2"	254	113	216	13.5	48	59.5	45	-	-	-	9.4	0.054
F110B	-	90	-	279	128	233	12.5	-	-	-	75.5	63	M12	12.5	0.081
F110F	3020	75	3"	279	134	233	12.5	55	63.5	51	-	-	-	11.7	0.078
F110H	3020	75	3"	279	134	233	12.5	55	63.5	51	-	-	-	11.7	0.078
F120B	-	100	-	314	143	264	14.5	-	-	-	94.5	70	M16	16.9	0.137
F120F	3525	100	4"	314	140	264	14.5	67	79.5	65	-	-	-	16.5	0.137
F120H	3020	75	3"	314	140	264	14.5	55	65.5	51	-	-	-	15.9	0.13
F140B	-	130	-	359	178	311	16.0	-	-	-	110.5	94	M20	22.2	0.254
F140F	3525	100	4"	359	178	311	16.0	67	81.5	65	-	-	-	22.3	0.255
F140H	3525	100	4"	359	178	311	16.0	67	81.5	65	-	-	-	22.3	0.255
F160B	-	140	-	402	187	345	15.0	-	-	-	117.0	102	M20	35.8	0.469
F160F	4030	115	4.1/2"	402	197	345	15.0	80	92.0	77	-	-	-	32.5	0.38
F160H	4030	115	4.1/2"	402	197	345	15.0	80	92.0	77	-	-	-	32.5	0.38
F180B	-	150	-	470	200	398	23.0	-	-	-	137.0	114	M20	49.1	0.871
F180F	4535	125	5"	470	205	398	23.0	89	112.0	89	-	-	-	42.2	0.847
F180H	4535	125	5"	470	205	398	23.0	89	112.0	89	-	-	-	42.2	0.847
F200B	-	150	-	508	200	429	24.0	-	-	-	138.0	114	M20	58.2	1.301
F200F	4535	125	5"	508	205	429	24.0	89	113.0	89	-	-	-	53.6	1.281
F200H	4535	125	5"	508	205	429	24.0	89	113.0	89	-	-	-	53.6	1.281
F220B	-	160	-	562	218	474	27.5	-	-	-	154.5	127	M20	79.6	2.142
F220F	5040	125	5"	562	223	474	27.5	92	129.5	102	-	-	-	72.0	2.104
F220H	5040	125	5"	562	223	474	27.5	92	129.5	102	-	-	-	72.0	2.104
F250B	-	190	-	628	254	532	29.5	-	-	-	161.5	132	M20	104.0	3.505

Notes.
G = Wrench clearance needed to allow for the tightening or loosening of the bush on the shaft as well as the flange clamping screws.
E = Half the distance required between flanges faces.
= Weight and inertia figures are for a single flange including mid range bore, clamping ring, screws and half of an insert.