

MEDWAY®
Power Transmission

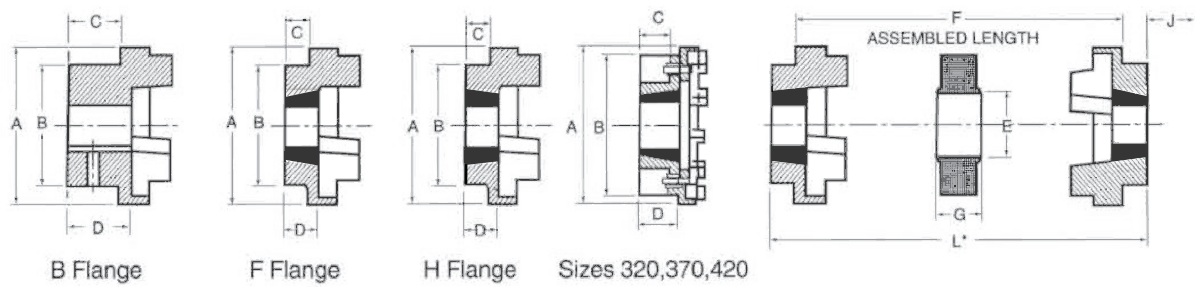


Couplings



MEDWAY (UK) LIMITED

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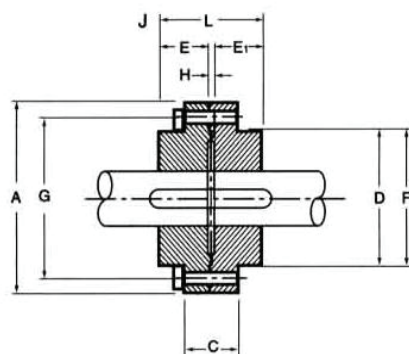
Physical Dimensions

Size	Bushing No.	A	B	E	F	G	Max. Bore		C	D	J
							mm	inch			
70 F	1008	69	60	31	25.0	18.0	25	1	20.0	23.75	29
70 H	1008	69	60	31	25.0	18.0	25	1	20.0	23.75	29
90 F	1108	85	70	32	30.5	22.5	28	1 1/8	19.5	23.25	29
90 H	1108	85	70	32	30.5	22.5	28	1 1/8	19.5	23.25	29
110 F	1210	112	100	45	45.0	29.0	42	1 5/8	18.5	26.75	38
110 H	1210	112	100	45	45.0	29.0	42	1 5/8	18.5	26.75	38
130 F	1610	130	105	50	53.0	36.0	42	1 5/8	18.0	26.50	38
130 H	1610	130	105	50	53.0	36.0	42	1 5/8	18.0	26.50	38
150 F	2012	150	115	62	60.0	40.0	50	2	23.5	33.50	42
150 H	2012	150	115	62	60.0	40.0	50	2	23.5	33.50	42
180 F	2517	180	125	77	73.0	49.0	60	2 1/2	34.5	46.50	48
180 H	2517	180	125	77	73.0	49.0	60	2 1/2	34.5	46.50	48
230 F	3020	225	155	99	85.5	59.5	75	3	39.5	52.50	55
230 H	3020	225	155	99	85.5	59.5	75	3	39.5	52.50	55
280 F	3535	275	185	119	105.5	74.5	90	3 1/2	74.0	90.00	67
280 H	3535	275	185	119	105.5	74.5	90	3 1/2	74.0	90.00	67

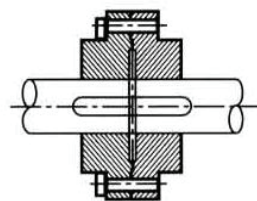
Size	Assembled Length (L*)FF,FH,HH	Weight kg	Inertia Mr ² kgm	Dynamic Stiffness Nm/°	Maximum Misalignment		Nominal torque Nm
					Parallel	Axial	
70	65.0	1.00	0.00085		0.3	+0.2	31
90	69.5	1.17	0.00115		0.3	+0.5	80
110	82.0	5.00	0.00400	65	0.3	+0.6	160
130	89.0	5.46	0.00780	130	0.4	+0.8	315
150	107.0	7.11	0.01810	175	0.4	+0.9	600
180	142.0	16.60	0.04340	229	0.4	+1.1	950
230	164.5	26.00	0.12068	587	0.5	+1.3	2000
280	207.5	55.30	0.44653	1025	0.5	+1.7	3150

Dimensions of Flanges Types B,F & H

Size	Bush.	Max Bore		Types F & H		Type B		Screw	A	C	D	F	G	M1
		mm	inch	L / E	J	L	E							
F40 B		32			29	33.0	22	M5	104	82				11.0
F40 F	1008	25	1	33 / 22	29				104	82				11.0
F40 H	1008	25	1	33 / 22	29				104	82				11.0
F50 B		38			38	45.0	32	M5	133	100	79			12.5
F50 F	1210	32	1 1/4	38 / 25	38				133	100	79			12.5
F50 H	1210	32	1 1/4	38 / 25	38				133	100	79			12.5
F60 B		45			38	55.0	38	M6	165	125	70			16.5
F60 F	1610	42	1 1/4	42 / 25	38				165	125	70			16.5
F60 H	1610	42	1 1/4	42 / 25	38				165	125	70			16.5
F70 B		50				47.0	35		187	144	80	50	13	11.5
F70 F	2012	50	2	44 / 32	42			M10	187	144	80	50	13	11.5
F70 H	1610	42	1 1/4	42 / 25	38				187	144	80	50	13	11.5
F80 B		60				55.0	42	M10	211	167	97	54	16	12.5
F80 F	2517	60	2 1/2	58 / 45	48				211	167	95	54	16	12.5
F80 H	2012	50	2 1/4	45 / 32	32				211	167	97	54	16	12.5
F90 B		70				63.5	49	M12	235	188	112	60	16	13.5
F90 F	2517	60	2 1/4	59.5/45	48				235	188	108	60	16	13.5
F90 H	2517	60	2 1/4	59.5/45	48				235	188	108	60	16	13.5
F100 B		80				70.5	56	M12	254	216	125	62	16	13.5
F100 F	3020	75	3"	65.5/51	55				254	216	120	62	16	13.5
F100 H	2517	60	2"	59.5/45	48				254	216	113	62	16	13.5
F110 B		90				75.5	63	M12	279	233	128	62	16	12.5
F110 F	3020	75	3"	63.5/51	55				279	233	134	62	16	12.5
F110 H	3020	75	3"	63.5/51	55				279	233	134	62	16	12.5
F120 B		100				84.5	70	M16	314	264	143	67	16	14.5
F120 F	3525	100	4"	79.5/65	67				314	264	140	67	16	14.5
F120 H	3020	75	3"	65.5.51	55				314	264	140	67	16	14.5
F140 B		130				110.5	94	M20	359	311	178	73	17	16.0
F140 F	3525	100	4"	81.5/65	67				359	311	178	73	17	16.0
F140 H	3525	100	4"	81.5/65	67				359	311	178	73	17	16.0
F160 B		110				117.0	102	M20	402	345	187	78	19	15.0
F160 F	4030	115	4"	92 / 77	80				402	345	187	78	19	15.0
F160 H	4030	115	4"	92 / 77	80				402	345	187	78	19	15.0
F180 B		150				137.0	114	M20	470	398	200	94	19	23.0
F180 F	4535	125	5"	112 / 89	89				470	398	205	94	19	23.0
F180 H	4535	125	5"	112 / 89	89				470	398	205	94	19	23.0
F200 B		150				138.0	114	M20	508	429	200	103	19	24.0
F200 F	4535	125	5"	113 / 89	89				508	429	205	103	19	24.0
F200 H	4535	125	5"	113 / 89	89				508	429	205	103	19	24.0
F220 B		160				154.5	127	M20	562	474	218	118	20	27.5
F220 F	5040	125	5"	129.5/102	92				562	474	223	118	20	27.5
F220 H	5040	125	5"	129.5/102	92				562	474	223	118	20	27.5
F250 B		190				154.5	132	M20	628	532	125	125	25	29.0



Coupling Assembly HF



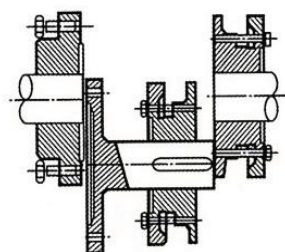
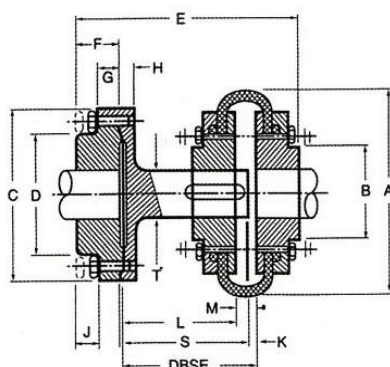
Coupling Assembly FF

Size	Bush.	Max.Bore		A	C	D	E	F nom.	G nom.	H+	J*	L	Weight kg
		mm	Inch										
RM12	1210	32	1 1/4"	118	35	83	26	76	102	7	38	57	3.50
RM16	1615	42	1 5/8 "	127	43	80	38	89	105	7	38	83	4.50
RM25	2517	60	2 1/2"	178	51	123	45	127	149	7	48	97	11.00
RM30	3030	75	3"	216	65	146	76	152	181	7	54	169	23.00
RM35	3535	90	3 1/2"	248	75	178	89	178	213	7	67	185	38.00
RM40	4040	100	4"	298	76	210	102	216	257	7	79	210	64.00
RM45	4545	110	4 1/2"	330	86	230	114	241	286	7	89	235	88.00
RM50	5050	125	5"	362	92	266	127	267	314	7	92	260	155.00

Size	Mountings	Bush.	Max.Bore		A	C	D	E	F nom.	G nom.	H	J	L	Weight kg
			mm	Inch										
RM12	F	1210	32	1 1/4	118	35	83	26	76	102	7	38	57	3.5
RM12	H	1210	32	1 1/4	118	35	83	26	76	102	7	38	57	3.5
RM16	F	1615	42	1 5/8	127	43	80	38	89	105	7	38	83	4.5
RM16	H	1615	42	1 5/8	127	43	80	38	89	105	7	38	83	4.5
RM25	F	2517	60	2 1/2	178	51	123	45	127	149	7	48	97	11.0
RM25	H	2517	60	2 1/2	178	51	123	45	127	149	7	48	97	11.0
RM30	F	3030	75	3	216	65	146	76	152	181	7	54	159	23.0
RM30	H	3030	75	3	216	65	146	76	152	181	7	54	159	23.0
RM35	F	3535	90	3 1/2	248	75	178	89	178	213	7	67	185	38.0
RM35	H	3535	90	3 1/2	248	75	178	89	178	213	7	67	185	38.0
RM40	F	4040	100	4	298	76	210	102	216	257	7	79	210	64.0
RM40	H	4040	100	4	298	76	210	102	216	257	7	79	210	64.0
RM45	F	4545	110	4 1/2	330	86	230	114	241	286	7	89	235	88.0
RM45	H	4545	110	4 1/2	330	86	230	114	241	286	7	89	235	88.0
RM50	F	5050	125	5	362	92	266	127	267	314	7	92	260	155.0
RM50	H	5050	125	5	362	92	266	127	267	314	7	92	260	155.0

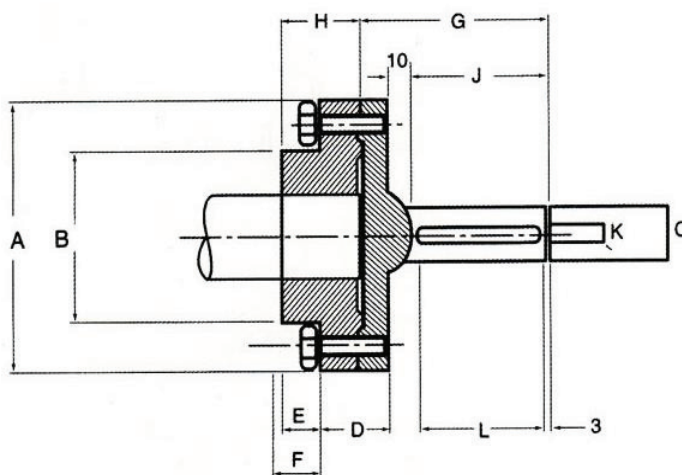
Distance between Shaft Ends

Size	Distance between Shaft Ends(mm)																
	SM12	SM16			SM25			SM30				SM35					
	80(100)	100		140	100	140	180	140		180		140		180			
	Min/Max	Min	Max	Min/Max	Min/Max	Min/Max	Min/Max	Min	Max	Min	Max	Min	Max	Min/Max			
F40	80	100	113	140/150													
F50		100	116	140/156													
F60		100	124	140/164													
F70															100/114	140/154	180/194
F80															100/117	140/157	180/197
F90						140/168	180/198										
F100								140	158	180	198						
F110								140	156	180	196						
F120												140	160	180 /			
F140											140	163	180 /				



Spacer coupling dimensions

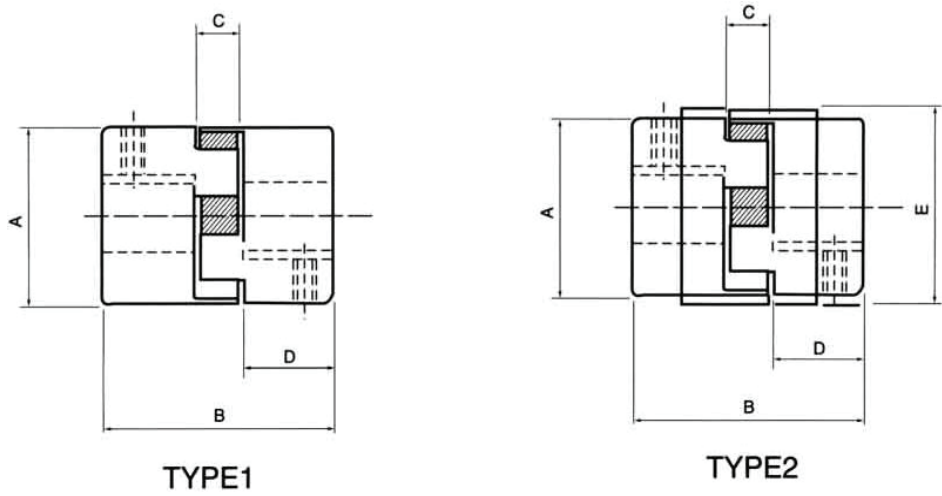
Spacer	No(T) D66		Bush.	Max.bore	Tyre Bush	Max.bore	A	B / C	D / E	F / G	H / J	K / L	M	S / T
				mm-inch		mm-inch								
SM12	80	F40	1210	32 - 1 1/4"	1008	25 - 1"	104	82/118	83/134	25 / 14	15 / 14	6 / 66	22	77 / 25
SM12	100	F40												
SM16	100	F40*												
SM16	140	F40*												
SM16	100	F50	1615	42 - 1-3/8"	1210	32 - 1 1/4"	133	79/127	80/173	38 / 18	15 / 14	9 / 85	25	94 / 32
SM16	140	F50												
SM16	100	F60												
SM16	140	F60												
SM25	100	F80	2517	60 - 2 1/7"	2517	60 - 2 1/7"	211	95/178	123/193	45 / 22	16 / 14	9 / 78	25	94 / 48
SM25	140	F80												
SM25	180	F80												
SM25	140	F90												
SM30	140	F100	3030	75 - 3"	3020	75 - 3"	254	120/216	146/270	76 / 29	20 / 17	9 / 116	27	134 / 60
SM30	190	F100												
SM30	140	F110												
SM30	180	F110												
SM35	140	F140	3535	90 - 3 1/7"	3525	100 - 4"	359	178/248	178/296	89 / 31	20 / 17	9 / 111	32	134 / 80
SM35	180	F140												



Spacer Coupling

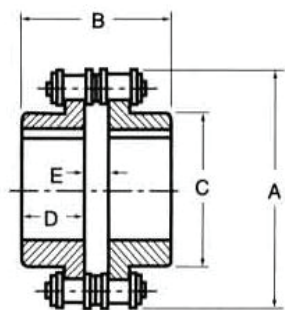
Spacer Flanges Dimension

Size	Xmin	Bush.	Max Bore	A	B	C	D	E	F	G	H	J+	K	L
SM16	100	1615	42	127	80	32	33	20	25	91	41	69	10	65
	140									131		109		
SM25	100	2517	60	178	127	48	38	23	27	91	48	68	14	66
	140									131		108		72
SM30	180	3030	75	216	146	60	49	47	34	171	79	148	18	72
	140									131		104		80
SM35	180	3535	90	248	178	80	55	54	34	171	92	144	22	90
	140									131		104		100

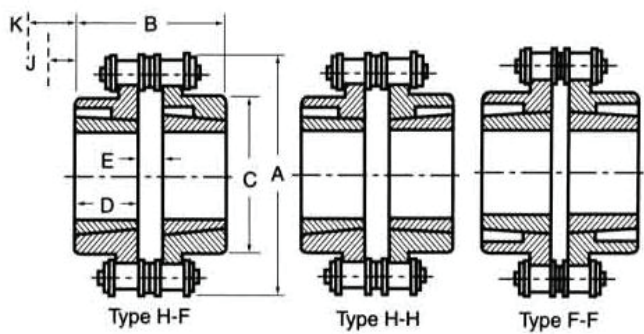


COUPLING HUBS									
Coupling	Type	Dimension Inches						Weight LBS	
		A	B	C	D	Stock Bore	E	Min Bore	Max Bore
L070	1	1 23/64	2	1/2	3/4	1/4		0.59	0.54
L075	1	1 3/4	2 1/8	1/2	13/16	1/4		1.00	0.86
L090	1	2 7/64	2 1/8	1/2	13/46	1/4		1.48	1.32
L095	1	2 7/64	2 1/2	1/2	1	7/16		1.75	1.52
L099	1	2 17/32	2 7/8	3/4	1 1/16	1/2		2.50	2.17
L100	1	2 17/32	3 1/2	3/4	1 3/8	7/16		3.42	2.92
L110	1	3 5/16	4 1/4	7/8	1 11/16	5/8		6.45	5.61
L150	1	3 3/4	4 1/2	1	1 3/4	5/8		8.95	7.73
L190	2	4	4 7/8	1	1 15/16	3/4	4 1/2	8.83	7.04
L225	2	4 1/4	5 3/8	1	2 3/16	3/4	5	12.28	9.60

PERFORMANCE											
Coupling	Max Bore	Max RPM	Torque(Lbs)	Horsepower capacities At Indicated Speeds (RPM)							
				50	100	300	600	900	1200	1800	3600
L070	3/4	14000	44.1	0.035	0.07	0.21	0.42	0.63	0.84	1.26	2.52
L075	7/8	11000	88.2	0.070	0.14	0.38	0.76	1.26	1.68	2.52	1.04
L090	1	9000	145.0	0.115	0.23	0.69	1.38	2.07	2.76	4.14	8.28
L095	1 1/8	9000	189.0	0.015	0.30	0.90	1.80	2.70	3.60	5.40	10.80
L099	1 3/16	7000	315.0	0.250	0.50	1.50	3.00	4.50	6.00	9.00	18.00
L100	1 3/8	7000	416.0	0.330	0.66	1.98	3.96	5.94	7.92	11.90	23.80
L110	1 5/8	5000	788.0	0.630	1.25	3.75	7.50	11.30	15.00	22.50	45.00
L150	1 7/8	5000	1260.0	1.000	2.00	6.00	12.00	18.00	24.00	36.00	72.00
L190	2 1/8	5000	1702.0	1.350	2.70	8.10	16.20	24.30	32.40	48.60	97.20
L225	2 3/8	4200	2332.0	1.850	3.70	11.10	22.20	22.30	44.40	66.60	133.20



Straight Bore Chain Coupling



Taper-lock Chain Coupling

Coupling	Straight Bore		Taper-Lock			Max RPM		Weight (Lbs.)	
	Min	Max	Bush.	Min.	Max.	Without cover	With Cover	Str.	TL
4012	1/2	7/8				875	5000	2.2	
4016	5/8	1 5/16	1108	1/2	1 1/8	875	5000	3.8	2.7
5012	5/8	1 1/8				875	5000	3.1	
5016	5/8	1 11/16				800	4000	5.0	
5018	3/4	2	1610	1/2	1 11/16	800	4000	6.0	6.0
6018	1	2 7/16				675	3000	9.9	
6020	1 1/8	2 3/4	2012	1/2	2 1/8	675	3000	12.3	12.7
8018	1 1/8	3 1/8				500	2000	31.1	
8020	1 1/8	3 9/16	3020	7/8	3 1/4	500	2000	33.5	31.1
10020	2	4 5/8	3535	1 3/16	3 15/16	450	1800	80.0	77.9
12018	2	4 11/16				400	1600	110.0	
12020			4040	1 7/16	4 7/16	400	1600		135

Coupling	A	B		C	D		E		K(2)	J(3)
		Str	T-L		Str	T-L	Str	T-L		
4012	2.41	2.53		1.41	1.13		0.28			
4016	3.03	2.53	1.94	1.97	1.13	0.88	0.28	0.19	0.75	0.63
5012	3.00	2.88		1.75	1.25		0.38			
5016	3.91	2.88		2.50	1.44		0.38			
5018	4.19	2.88	2.31	2.97	1.69	1.00	0.38	0.31	1.06	0.41
6018	5.00	3.47		3.50	1.88		0.47			
6020	5.50	3.47	2.94	3.88	2.00	1.25	0.47	0.44	1.38	0.94
8018	6.66	4.59		4.56	2.38		0.59			
8020	7.30	4.59	4.50	5.38	2.63	2.00	0.59	0.50	2.06	1.19
10020	9.13	6.97	7.63	6.72	3.13	3.50	0.72	0.63	2.34	1.31
12018	10.00	7.88		6.75	3.50		0.86			
12020	10.94		8.75	7.75		4.00		0.75	3.38	1.63