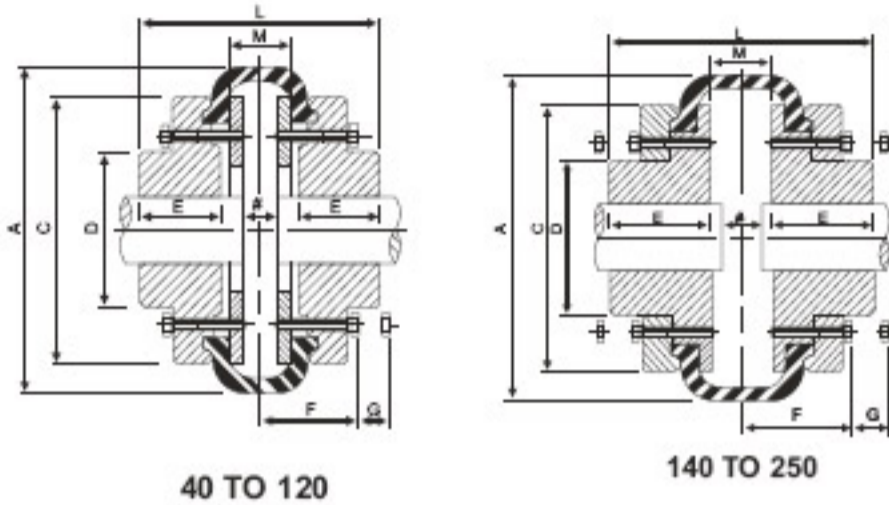


TYRE COUPLING

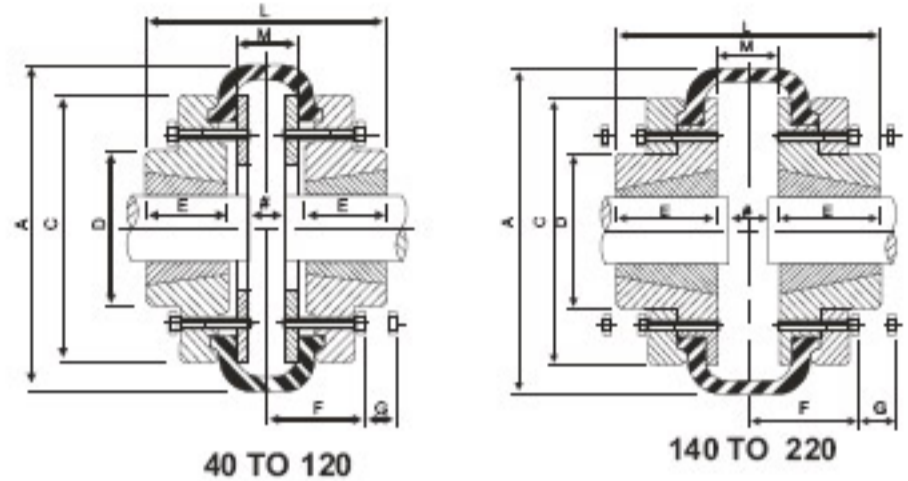


5C... Tyre Coupling

TYPE B



TYPE F/H



TECHNICAL DATA : FLEXIBLE TYRES

Size		40	45	50	60	70	80	90	100	110	120	140	160	180	200	220	250
Max. Speed	rpm	4500	4500	4500	4000	3600	3100	3000	2600	2300	2050	1800	1600	1500	1300	1100	1000
Torsional Stiffness	Nm/Deg.	5	9	13	26	41	63	91	126	178	296	470	778	1371	1959	2760	3562
Parallel Misalignment	mm	1.1	1.2	1.3	1.6	1.9	2.1	2.4	2.6	2.9	3.2	3.7	4.2	4.8	5.3	5.8	6.6
End Float	mm	1.3	1.5	1.7	2.0	2.3	2.6	3.0	3.3	3.7	4.0	4.6	5.3	6.0	6.6	7.3	8.2
Normal Torque	Nm	24	40	66	127	250	375	500	675	875	1330	2325	3730	6270	9325	11600	14675
Max. Torque	Nm	64	118	160	318	487	759	1096	1517	2137	3547	5642	9339	16455	23508	33125	42740

DIMENSIONS "F&H" AND "B" TYPE COUPLINGS

Model	TYPE F & H								TYPE B								A	C	‡	†	No. of screws per flange
	Bush No.	Max Bore	L	D	E	F	X J	* Approx Weight Kg	Max Bore	Min Bore	L	D	E	F	Set Screw on key	* Approx Weight Kg					
40	1008	25	67	-	22	33.5	29	1.4	30	11.00	67	-	22	33.5	M5	2.0	104.0	82	43	23	4
45	1108	28	67	-	22	33.5	29	3.0	32	11.00	73	-	25	36.5	M5	2.2	120.0	94	43	23	4
50	1210	32	78	79.0	25	39.0	38	3.1	38	16.00	92	79	32	46.0	M5	4.0	133.5	100	43	28	4
60	1610	42	86	103.0	25	43.0	38	5.2	48	16.00	112	73	38	43.0	M6	5.0	165.0	125	43	36	5
70	1610	42	92	76.0	25	50.5	38	7.4	55	19.05	132	82	45	50.5	M6	8.0	197.0	144	10	42	5
80	2012	50	111	95.0	32	53.0	47	9.2	65	25.40	149	95	51	53.0	M10	12.0	211.0	167	10	47	6
85	2012	50	112	103.0	32	53.5	47	12.5	70	31.75	154	103	53	53.5	M12	14.0	222.0	179	13	48	6
90	2517	60	140	110.0	45	59.5	50	15.0	76	31.75	164	110	57	59.5	M12	15.0	235.0	188	13	50	6
100	2517	60	148	124.0	45	61.5	50	20.0	85	31.75	178	124	60	61.5	M12	21.0	254.0	216	13	58	6
110	2517	60	140	134.0	45	63.5	50	26.5	90	31.75	180	134	65	63.5	M12	28.0	279.0	233	14	50	6
120	3020	75	157	152.0	51	70.0	68	35.5	102	38.10	207	152	76	70.0	M12	41.0	314.0	264	14	55	6
140	3535	90	204	194.5	89	76.0	89	67.2	120	75.00	204	195	89	76.0	M20	61.0	359.0	313	14	26	8
160	4040	100	220	216.0	102	78.0	110	91.0	140	75.00	220	216	102	78.0	M20	86.0	402.0	345	19	16	8
180	4545	110	258	266.0	114	94.0	126	146.0	150	75.00	258	266	114	94.0	M20	141.0	470.0	398	19	30	10
200	4545	110	278	266.0	114	103.0	126	182.0	150	75.00	276	266	114	103.0	M20	179.0	508.0	429	19	48	12
220	5050	127	312	267.0	127	118.0	140	320.0	160	90.00	312	267	127	118.0	M20	312.0	562.0	474	20	56	12
250	-	-	-	-	-	-	-	-	190	100.00	360	290	150	125.0	M20	500.0	628.0	532	25	60	12

* Weights given are for min. bore complete coupling.

† M is the distance between flanges.

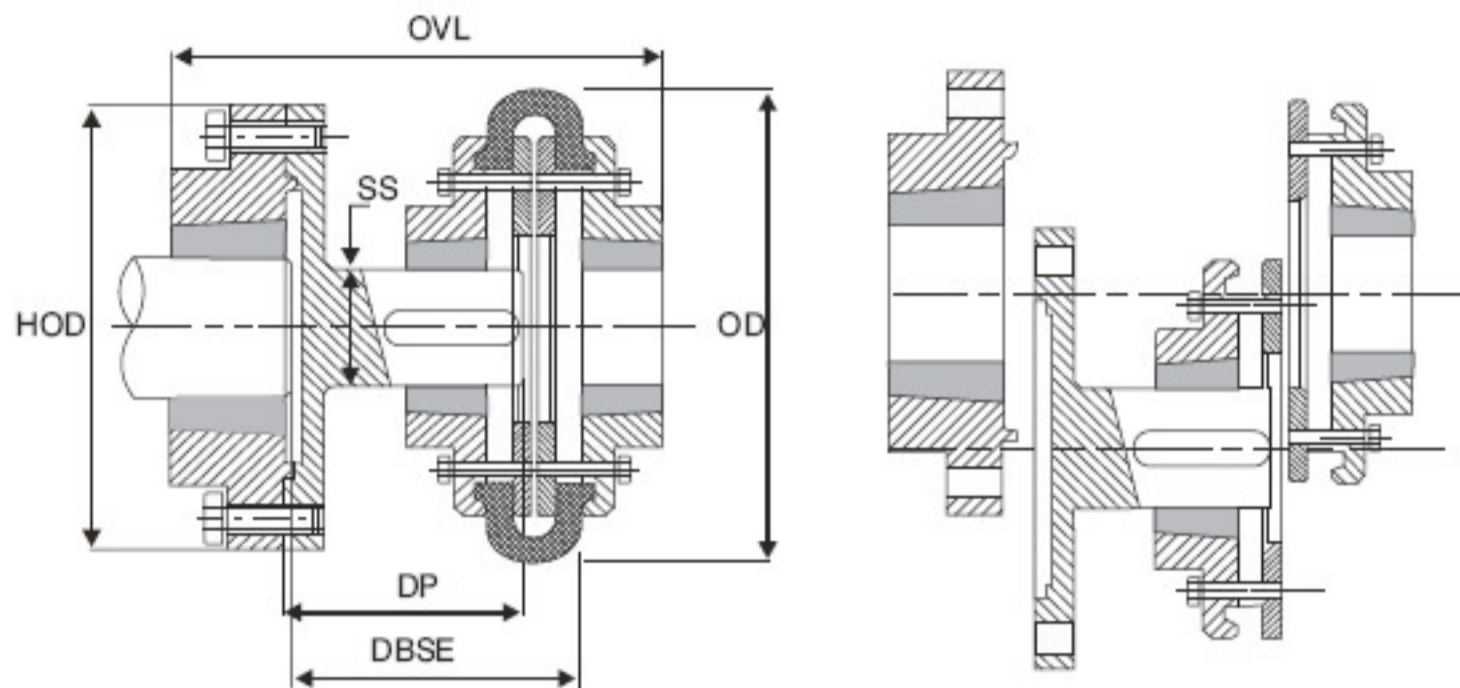
Shaft ends, although normally located 'M' apart - can project beyond the flanges as shown. In this event, allow sufficient space between shaft ends for the float and misalignment.

‡ G is the amount by which clamping screws need to be withdrawn to release tyre.

x J is the wrench clearance to allow for tightening and loosening the bush on the shaft. The use of shortened wrench will allow this dimension to be reduced.

5C... Tyre Coupling

SPACER TYPE



MODEL	DBSE	SPACER BUSH MODEL	MAX. BORE	TYRE COUPLING BUSH MODEL	MAX. BORE	OD	HOD	OVL	DP	SS
40SM12	80	1210	32	1008	25	104	118	134	77	25
40SM12	100	1210	32	1008	25	104	118	140	97	25
40*SM16	100	1615	42	1008	25	104	127	170	94	32
40*SM16	140	1615	42	1008	25	104	127	210	134	32
50SM16	100	1615	42	1210	32	133.5	127	173	94	32
50SM16	140	1615	42	1210	32	133.5	127	213	134	32
60SM16	100	1615	42	1610	42	165	127	177	94	32
60SM16	140	1615	42	1610	42	165	127	214	134	32
70SM25	100	2517	60	1610	42	197	178	180	94	42
70SM25	140	2517	60	1610	42	197	178	220	134	42
70SM25	180	2517	60	1610	42	197	178	260	174	42
80SM25	100	2517	60	2012	50	211	178	193	94	48
80SM25	140	2517	60	2012	50	211	178	233	134	48
80SM25	180	2517	60	2012	50	211	178	273	174	48
90SM25	140	2517	60	2517	60	235	178	235	134	48
90SM25	180	2517	60	2517	60	235	178	275	174	48
100SM30	140	3030	75	2517	60	254	216	269.5	134	60
100SM30	180	3030	75	2517	60	254	216	309.5	174	60
110SM30	140	3030	75	2517	60	279	216	369.5	134	60
110SM30	180	3030	75	2517	60	279	216	309.5	174	60
120SM35	140	3535	90	3020	75	314	248	297.5	134	75
120SM35	180	3535	90	3020	75	314	248	327.5	174	75
140SM35	140	3535	90	3535	90	359	248	296	134	80
140SM35	180	3535	90	3535	90	359	248	336	174	80

* 40 'B' Flange must be used to fit spacer shaft.