

Rigid Couplings

Taper Lock Rigid Couplings provide a convenient method of rigidly connecting ends of shafts. Taper Lock bushes permit easier and quicker fixing to the shafts with the firmness of a shrunk-on-fit. These couplings have a male and female flange

fully machined. The male flange can have the bush fitted from the Hub side H or from the Flange side F, the female flange always has the bush fitting F. This gives two possible coupling assemblies HF and FF. When connecting horizontal shafts, the

most convenient assembly should be chosen. When connecting vertical shafts use assembly FF only.

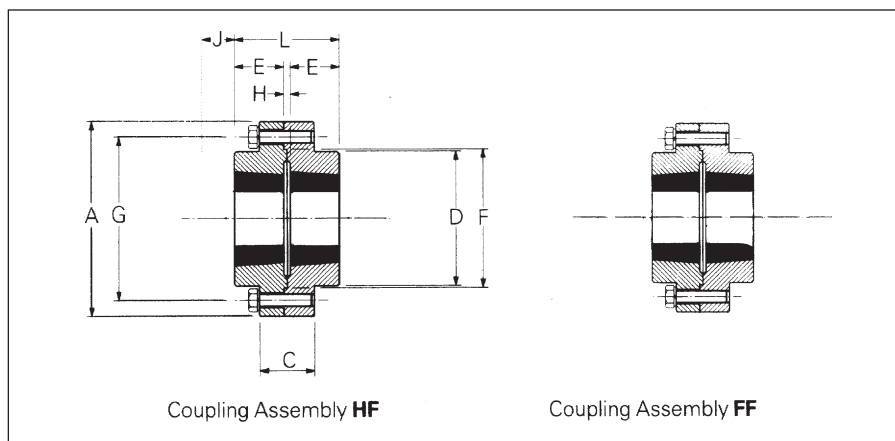
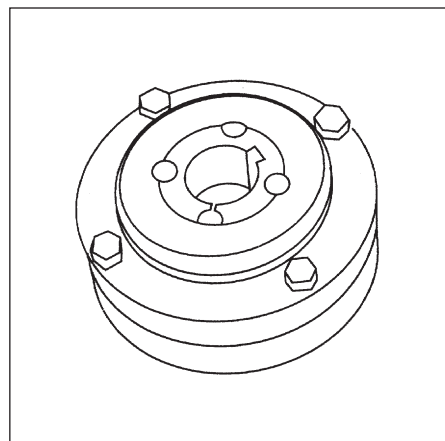
SELECTION

For all applications using standard mild steel shafting it is sufficiently accurate to select the coupling by consideration of bore size alone.

If transmitted torque is known, this should be checked against the allowable torque for the appropriate Taper Lock bush size/bore shown on page 128.

For all other applications consult your local Authorised Distributor.

Rotational speed should be limited to a maximum rim speed of 33 m/sec.



DIMENSIONS

Size	Bush No.	Max Bore		A	C	D	E	F nominal	G nominal	H†	J*	L	Mass‡ (kg)
		Metric	Inch										
RM12	1210	32	1¼"	118	35	83	25	76	102	7	38	57	3.5
RM16	1610	42	1⅝"	127	43	80	25	89	105	7	38	57	4.0
RM25	2517	60	2½"	178	51	123	45	127	149	7	48	97	11.0
RM30	3020	75	3"	216	65	146	51	152	181	7	54	109	20.0
RM35	3525	100	4"	248	75	178	65	178	213	7	67	137	34.0
RM40	4030	110	4½"	298	76	210	76	216	257	7	79	159	59.0
RM45	4535	125	5"	330	86	230	89	241	286	7	89	185	80.0
RM50	5040	125	5"	362	92	266	102	267	314	7	92	211	135.0

All dimensions in millimetres unless otherwise stated.

* J is the wrench clearance to allow for tightening and loosening the bushing on the shaft. The use of a shortened wrench will permit this dimension to be reduced.

† H is the distance between shaft ends.

‡ Masses given are for couplings with mid-range bore Taper Lock Bushes.

CODE NUMBERS

Size	Catalogue Code HF	Catalogue Code FF
RM12	039A0501	039A0502
RM16	039B0501	039B0502
RM25	039C0501	039C0502
RM30	039D0501	039D0502
RM35	039E0501	039E0502
RM40	039F0501	039F0502
RM45	039G0501	039G0502
RM50	039H0501	039H0502

FASTENERS

Coupling Size	Screw Size	Quantity	Assembly Torque Nm
RM12	M8 x 35	4	25
RM16	M10 x 45	4	37
RM25	M12 x 50	5	65
RM30	M16 x 65	6	160
RM35	M16 x 70	6	160
RM40	M20 x 80	6	325
RM45	M24 x 90	6	560
RM50	M24 x 100	7	560

All fasteners are grade 8.8 minimum