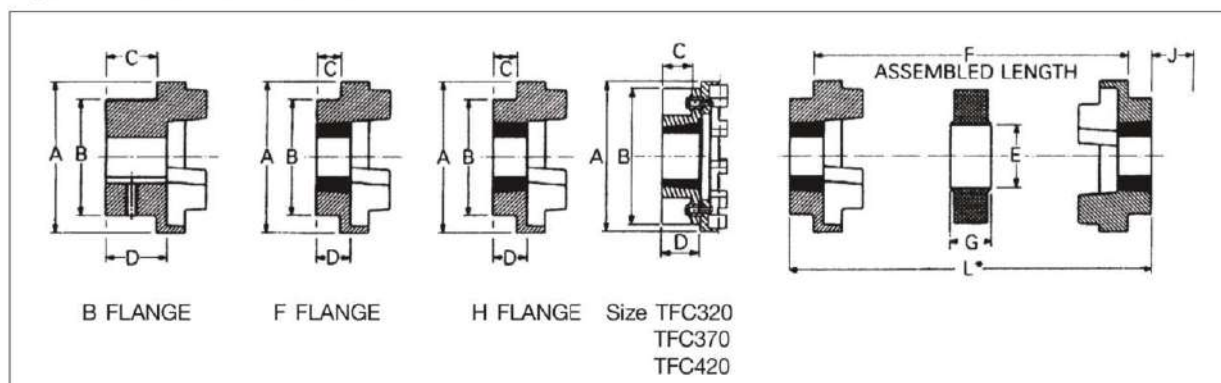




JAW COUPLINGS

Physical Dimension and Characteristics



Size	Common Dimensions					Type F & H					Type B				
	A	B	W	F1±	G	Bush Size	Max. Bore (mm)	C	D	J+	Bore Dia		Screw Over key	C	D
											Max. (mm)	Min (mm)			
TFC070	69	60	31	25	18	1008	25	20.0	23.5	29	32	0	M6	20	23.5
TFC090	85	70	32	30.5	22.5	1108	28	19.5	23.5	29	42	0	M6	26	30
TFC110	112	100	45	45	29	1610	42	18.5	26.5	38	55	0	M10	37	45
TFC130	130	105	50	53	36	1610	42	18.0	26.5	38	60	0	M10	39	47.5
TFC150	150	115	62	60	40	2012	50	23.5	33.5	42	70	0	M10	46	56
TFC180	180	125	77	73	49	2517	60	34.5	46.5	48	80	0	M10	58	70
TFC230	225	155	99	85.5	59.5	3020	75	39.5	52.5	55	100	48	M12	77	90
TFC280	275	206	119	105.5	74.5	3525	100	51.0	66.5	67	115	60	M16	90	105.5
TFC320	320	300	-	95	49	4030	115	60.0	80.0	80	-	-	-	-	-
TFC370	370	320	-	103	49	4535	125	73.0	93.0	89	-	-	-	-	-
TFC420	420	380	-	103	49	5040	130	81.0	106.0	92	-	-	-	-	-

Size	Assembled Length (L*) Comprising Flange Types			Mass kg	Inertia Mr ² kgm ²	Dynamic Stiffness Nm/°	Maximum Misalignment		Nominal Torque (Nm)	Max Torque (Nm)
	FF, FH, HH	FB, HB	BB				Parallel	Axial		
TFC070	65	65	65	1.00	0.00085	-	0.3	+0.2	32	70
TFC090	69.5	76	82.5	1.17	0.00115	-	0.3	+0.5	80	185
TFC110	80	100.5	119	5.00	0.00400	65	0.3	+0.6	160	370
TFC130	89	118	131	5.46	0.00780	130	0.4	+0.8	315	750
TFC150	107	133.5	152	7.11	0.01810	175	0.4	+0.9	600	1,550
TFC180	142	165.5	189	16.6	0.04340	229	0.4	+1.1	950	2,400
TFC230	164.5	202	239.5	26.0	0.12068	587	0.5	+1.3	2,000	5,100
TFC280	207.5	246.5	285.5	50.0	0.44653	1025	0.5	+1.7	3,150	7,300
TFC320	255	-	-	67.0	0.78662	1200	0.4	+1.1	5,500	13,750
TFC370	289	-	-	84.0	1.24698	1800	0.4	+1.1	8,000	20,000
TFC420	315	-	-	129.0	2.26299	2700	0.4	+1.1	12,000	30,000

Selection

Table 1 : Service Factors (s.f)

SPECIAL CASES For applications where substantial shock, vibration and Torque uctuation occur, and for reciprocating machines e.g. internal combustion engines, piston type pumps and compressors, with full machine details for torsional analysis.	Type of Driving Unit					
	Electric Motors Steam Turbines			Internal Combustion Engines Steam Engines Water Turbines		
	Hours per day duty			Hours per day duty		
DRIVEN MACHINE CLASS	8 and under	over 8 to 16	over 16	8 and under	over 8 to 16	over 16
UNIFORM LOAD Agitators, Brewing machinery, Centrifugal blowers, Centrifugal compressors Conveyors, Centrifugal fans and pumps, Generators, Sewage disposa equipment.	1.20	1.30	1.50	1.40	1.50	1.80
MODERATE SHOCK* LOAD Clay working machinery, Crane hoists, Laundry machinery, Wood working machinery, Machine tools, Rotary mills, Paper mill machinery, Textile machinery, Non-uniformly loaded centrifugal pumps.	1.60	1.80	2.00	2.00	2.24	2.50
HEAVY SHOCK* LOAD Reciprocating conveyors, Crushers, Shakers, Metal mills, Rubber machinery (Banbury mixers and mills), Reciprocating compressors, Welding sets.	2.50	2.80	3.12	3.12	3.55	4.00

Table 2 : Power rating (kw)

Speed rev/min	Coupling Size										
	TFC070	TFC090	TFC110	TFC130	TFC150	TFC180	TFC230	TFC280	TFC320	TFC370	TFC420
125	0.33	0.84	1.68	3.30	6.28	9.95	20.9	33.0	58.0	84.0	126
250	0.66	1.68	3.35	6.60	12.6	19.9	41.9	65.0	115	168	251
500	1.32	3.35	6.70	13.2	25.1	39.8	83.8	132	230	335	503
750	1.98	5.03	10.1	19.8	37.7	59.7	126	198	345	503	754
900	2.37	6.03	12.1	23.8	45.2	71.6	151	238	414	603	905
1,000	2.64	6.70	13.4	26.4	50.3	79.6	168	264	460	670	1,005
1,200	3.17	8.04	16.1	31.7	60.3	95.5	201	317	552	804	1,206
1,500	3.96	10.1	20.1	39.6	75.4	119	251	396	691	1,005	1,507
1,800	4.75	12.1	24.1	47.5	90.5	143	302	475	830	1,206	1,809
2,000	5.28	13.4	26.8	52.8	101	159	335	528	921	1,340	
2,250	5.94	15.1	30.2	59.4	113	179	199	594	1,037		
2,500	6.60	16.8	33.5	66.0	126	199	419	660			
2,750	7.26	18.4	36.9	72.6	138	219	461	726			
3,000	7.92	20.1	40.2	79.2	151	239	503				
3,250	8.58	21.8	43.6	85.8	163	259	545				
3,600	9.50	24.1	48.3	95	181	286					
3,750	9.90	25.1	50.3	99	188	298					
4,500	11.9	30.1	60.3	118	226						