

"Why compete against your supplier when you can be our partner"

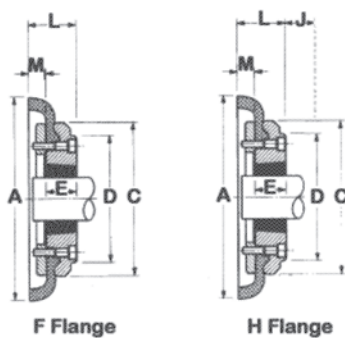
Finer stock a range of the highly flexible Tyre Couplings. Consisting of two flanges, the two halves are joined by a rubber tyre. The tyre itself is torsionally soft and flexible; this allows the Tyre Coupling to compensate for large amounts of shock loading and backlash, as well as both parallel and axial misalignment. Finer also stocks all tyres in the Fire Resistant Anti-Static (FRAS) compound for those certain sensitive environments.

Highly Flexible

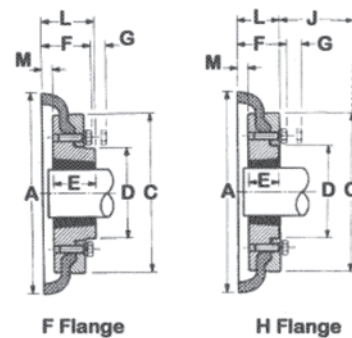
Compensates for misalignment, upto; 4° angular, 6mm parallel, 8mm axial.
Torsional flexibility of upto 12°, at max. torque.

Size	Power @ 100 rpm in Kw	Nominal Torque	Max. Speed rpm	Bore B		Bush F	Bush H	Max. Misalignment		End Float
				Max.	Min.			Parallel	Angular	
T4	0.26	25	4500	25	10	1008	1008	1.1	4	1.3
T5	0.69	66	4500	32	11	1210	1210	1.3	4	1.7
T6	1.33	127	4000	42	14	1610	1610	1.6	4	2
T7	2.62	250	3600	50	14	2012	1610	1.9	4	2.3
T8	3.93	375	3100	65	14	2517	2012	2.1	4	2.6
T9	5.24	500	3000	65	16	2517	2517	2.4	4	3
T10	7.07	675	2600	75	16	3020	2517	2.6	4	3.3
T11	9.20	875	2300	75	24	3020	3020	2.9	4	3.7
T12	13.9	1300	2050	100	24	3525	3020	3.2	4	4
T14	24.3	2320	1800	100	35	3525	3525	3.7	4	4.6
T16	39.4	3770	1600	115	40	4030	4030	4.2	4	5.3
T18	65.7	6270	1500	125	55	4535	4535	4.8	4	6

SIZES F40 – 60



SIZES F70 – 250



Size	A	C	D	E		F	L		G	J	M	Kg	
				F	H		F	H				F	H
T4	104	82	-	22	22	-	33.5	33.5	N/A	29	11	0.8	0.8
T5	133	100	79	25	25	-	38	38	N/A	38	12.5	1.2	1.2
T6	165	125	103	25	25	-	42	42	N/A	36	16.5	2.0	2.0
T7	187	144	80	32	25	50	44	42	13	36	11.5	3.1	3.0
T8	211	167	98	45	32	54	58	45	16	42	12.5	4.9	4.6
T9	235	188	108	45	45	60	59	59	16	48	13.5	7.0	7.0
T10	254	216	120	51	45	62	65	59	16	48	13.5	9.9	9.4
T11	279	233	134	51	51	62	63.5	63.5	16	55	12.5	11.7	11.7
T12	314	264	140	65	51	67	78.5	65.5	16	67	14.5	16.5	16.9
T14	359	311	178	65	65	73	81	81	14	67	16	22.3	22.3
T16	402	345	197	77	77	78	92	92	16	80	15	32.5	32.5
T18	470	398	205	90	90	94	112	112	19	89	23	42.2	42.2

Power Ratings (KW)

Speed rev/min	Coupling Size											
	T4	T5	T6	T7	T8	T9	T10	T11	T12	T14	T16	T18
100	0.25	0.69	1.33	2.62	3.93	5.24	7.07	9.16	13.9	24.3	39.5	65.7
200	0.5	1.38	2.66	5.24	7.85	10.5	14.1	18.3	27.9	48.7	79	131
300	0.75	2.07	3.99	7.85	11.8	15.7	21.2	27.5	41.8	73	118	197
400	1.01	2.76	5.32	10.5	15.7	20.9	28.3	36.6	55.7	97.4	158	263
500	1.26	3.46	6.65	13.1	19.6	26.2	35.3	45.8	69.6	122	197	328
600	1.51	4.15	7.98	15.7	23.6	31.4	42.4	55	83.6	146	237	394
700	1.76	4.84	9.31	18.3	27.5	36.6	49.5	64.1	97.5	170	276	460
720	1.81	4.98	9.57	18.8	28.3	37.7	50.9	66	100	175	284	473
800	2.01	5.53	10.6	20.9	31.4	41.9	56.5	73.3	111	195	316	525
900	2.26	6.22	12	23.6	35.3	47.1	63.6	82.5	125	219	355	591
960	2.41	6.63	12.8	25.1	37.7	50.3	67.9	88	134	234	379	630
1000	2.51	6.91	13.3	26.2	39.3	52.4	70.7	91.6	139	243	395	657
1200	3.02	8.29	16	31.4	47.1	62.8	84.8	110	167	292	474	788
1400	3.52	9.68	18.6	36.6	55	73.3	99	128	195	341	553	919
1440	3.62	9.95	19.1	37.7	56.5	75.4	102	132	201	351	568	945
1600	4.02	11.101	21.3	41.9	62.8	83.8	113	147	223	390	632	
1800	4.52	12.401	23.9	47.1	70.7	94.2	127	165	251	438		
2000	5.03	13.801	26.6	52.4	78.5	105.5	141	183	279			
2200	5.53	15.201	29.3	57.601	86.4	115	155	202				
2400	6.03	16.601	31.9	62.8	94.2	126	170					
2600	6.53	18.001	34.6	68.1	102	136	184					
2800	7.04	19.401	37.2	73.3	110	147						
2880	7.24	19.901	38.3	75.4	113	151						
3000	7.54	20.701	39.9	78.5	118	157						
3600	9.05	24.901	47.9	94.2								

Physical Characteristics

Characteristics	Coupling Size											
	T4	T5	T6	T7	T8	T9	T10	T11	T12	T14	T16	T18
Maximum speed rev/min	4,500	4,500	4,000	3,600	3,100	3,000	2,600	2,300	2,050	1,800	1,600	1,500
Nominal Torque Nm TK N	24	66	127	250	375	500	675	875	1,330	2,325	3,770	6270
Maximum Torque Nm TK MAX	64	160	318	487	759	1,096	1,517	2,137	3,547	5,642	9,339	16455
Torsional Stiffness Nm/O	5	13	26	41	63	91	126	178	296	470	778	1371
Max. parallel misalignment mm	1.1	1.3	1.6	1.9	2.1	2.4	2.6	2.9	3.2	3.7	4.2	4.8
Maximum end float mm ±	1.3	1.7	2	2.3	2.6	3	3.3	3.7	4	4.6	5.3	6
Approximate mass. kg	0.1	0.3	0.5	0.7	1	1.1	1.1	1.4	2.3	2.6	3.4	7.7
Alternating Torque ± Nm @ 10Hz TKW	11	26	53	81	127	183	252	356	591	940	1,556	2742
Resonance Factor V R	7	7	7	7	7	7	7	7	7	7	7	7
Damping Coefficient	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9