



Trumy Disc Couplings TDF series

TDF BENEFITS

- Quick assembling and disassembling
- Axial shims for length adjustment when needed
- Fully meets the requirements of API 671 / ISO 10441
- Anti-fly retention design compliant with API standards
- Adapter flange design enabling larger hub bore capacity
- The flexible unit and hubs are centered by interference fit
- Factory assembled flexible transmission unit to meet the requirements of high speed use

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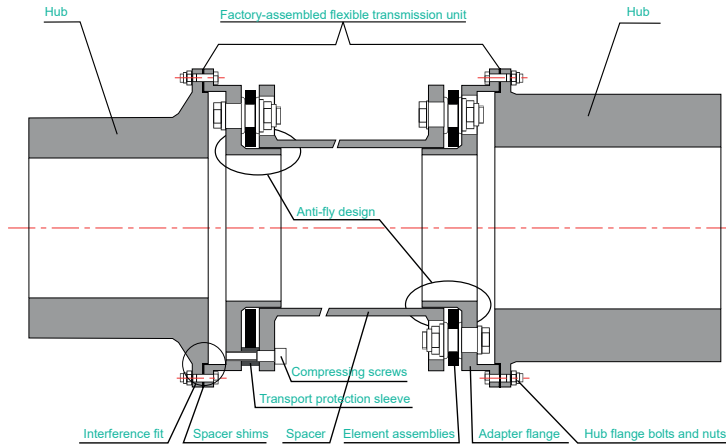
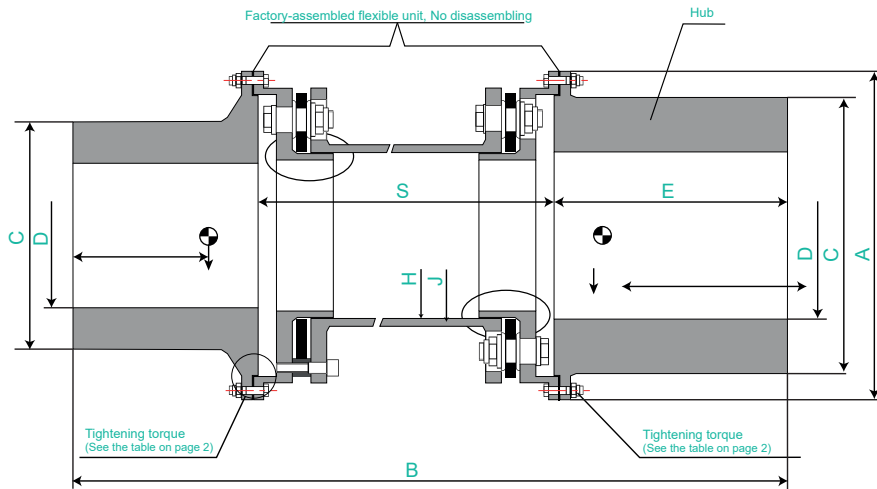


Fig. 1 Typical structure of TDF disc coupling

TDF SERIES COUPLING TECHNICAL DATA

Coupling type	Torque rating (kNm)			Max. speed (rpm)	Tightening torque (Nm)	Total weight (Kg)	Centre of gravity (mm)	Torsional stiffness (MNm/Rad)	Moment of inertia (Kgm ²)	Angular misalignment		Axial displacement	
	Continuous	Peak	Momentary							Max. degree	Restoring moment (Nm/deg)	Max. ±mm	Axial force (N)
TDF6-170	1.6	4	5.3	33000	8	13	69.3	0.077	0.028	1/3	200.8	1.8	1160
TDF6-210	2	4.8	6.4	27000	8	19	75.6	0.111	0.059		114.5	2	1040
TDF6-420	4	10.9	14.5	24300	8	28	83.6	0.196	0.112		221.1	2	1640
TDF6-660	6.3	18.5	24.6	21000	8	43	94.6	0.398	0.23		286.2	2.5	2490
TDF6-1100	10	21.1	28	18500	8	56	103.5	0.460	0.38		256.4	2.5	2950
TDF6-1500	14	33.8	45	16000	15	89	124.3	0.807	0.82		240.6	3.5	4270
TDF6-2100	20	49.6	66	14600	15	112	131.3	1.204	1.26		566.9	3.5	5020
TDF6-2900	28	64.1	85.3	13300	15	138	141.7	1.588	1.80		552.9	4	6700
TDF6-3300	31.5	68.7	91.4	12500	45	173	147.9	1.694	2.68		485.9	4	6440
TDF6-4700	45	97	129	11100	45	247	166.8	2.759	4.74		616.6	4.5	8230
TDF6-7400	71	142	189	10000	45	337	188.4	4.521	8.14		1818	5.5	12550
TDF6-9011	100	212	283	9200	45	404	203.2	6.649	11.14		1691	6	17750
TDF6-9013	125	237	315	8500	45	515	223.2	7.016	16.87		1940	6	17380
TDF6-9017	160	355	472	7600	100	690	241.9	8.744	27.57	2172	7.5	22460	
TDF6-9021	200	396	527	6900	100	903	258.0	11.377	44.05	2027	8	23260	
TDF8-840	8	15.5	20.6	24300	8	28	87.8	0.371	0.11	1/4	964	1.2	2660
TDF8-1100	10	26.3	35	21000	8	43	94.5	0.620	0.22		1522	1.8	3870
TDF8-1300	12.5	31.4	41.8	18500	8	57	103.8	0.917	0.39		850	2.2	3850
TDF8-2900	28	65.8	87.5	15700	15	98	123.4	1.755	0.95		1665	2.2	7060
TDF8-3300	31.5	83.5	111	14600	15	126	135.7	2.482	1.47		1879	2.8	8710
TDF8-4700	45	97.7	130	12500	45	174	148.0	3.047	2.70		1421	2.8	8500
TDF8-6600	63	145	193	10900	45	276	168.7	5.086	5.91		2311	3.4	10200
TDF8-9011	100	202	269	10000	45	335	183.8	8.454	7.99		4194	4	17150
TDF8-9015	140	302	402	9200	45	437	211.3	12.341	12.17		9319	4.2	23550
TDF8-9018	180	336	447	8500	45	555	215.1	13.324	18.71		6401	4.4	24510
TDF8-9023	224	505	671	7600	100	744	236.0	20.258	30.28		7265	5.2	29250
TDF8-9029	280	564	750	6900	100	955	252.2	24.798	47.68		8441	5.7	30740
TDF8-9047	400	812	1080	6200	100	1326	282.8	37.326	81.29		10340	6.8	42450
TDF10-2100	20	40.4	53.7	18500	8	57	110.2	1.451	0.38	1/5	6682	1.6	5910
TDF10-3700	35.5	85	113	15700	15	95	132.2	2.663	0.87		11629	1.7	9350
TDF10-5300	50	108	144	14600	15	128	143.3	3.933	1.44		14082	1.9	12710
TDF10-6600	63	126	168	12500	45	175	154.3	5.406	2.64		8674	2.3	12910
TDF10-8400	80	186	248	10900	45	279	169.7	7.921	5.99		7768	2.8	14000
TDF10-9013	125	260	346	10000	45	336	184.3	11.448	8.05		14480	3	21290
TDF10-9017	160	389	518	9200	45	442	213.4	15.643	12.39		33810	3.1	26770
TDF10-9019	180	433	576	8500	45	559	216.4	19.95	18.88		21870	4	29530
TDF10-9026	250	649	863	7600	100	748	237.1	29.386	30.52		24370	4.3	35960
TDF10-9037	355	726	965	6900	100	959	253.2	39.425	47.99		27010	4.6	41260
TDF10-9058	560	1086	1445	6200	100	1327	282.7	59.46	81.56	33000	5.6	57480	



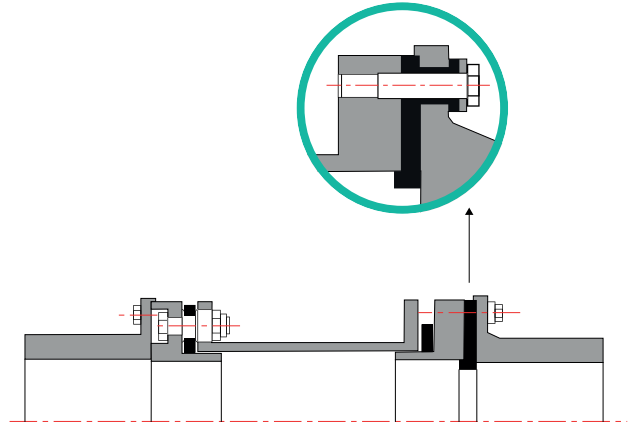
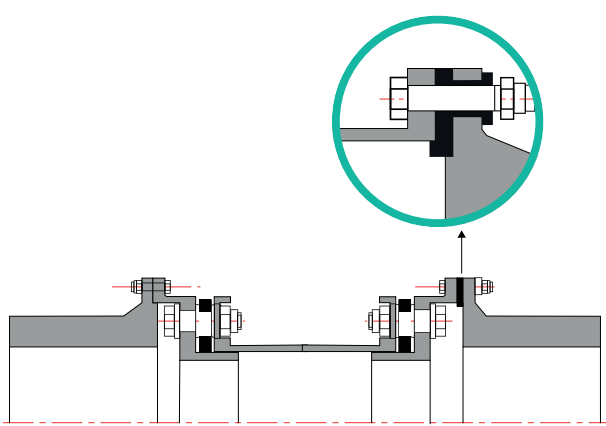
TDF SERIES COUPLING DIMENSIONS (mm)

Type	A	B	C max.	D max.	E	H	J	S	
								Std	Min
TDF6-170	146	272	105	70	75	58	65	460	122
TDF6-210	168	290	127	85	90	75	84	460	110
TDF6-420	188	340	150	100	105	85	94	460	130
TDF6-660	212	400	175	115	120	99	108	460	160
TDF6-1100	236	430	195	130	135	117	127	460	160
TDF6-1500	272	525	225	150	165	140	151	460	195
TDF6-2100	300	545	250	170	180	152	164	460	185
TDF6-2900	316	590	270	185	195	168	182	460	200
TDF6-3300	348	620	290	195	205	184	198	460	210
TDF6-4700	385	710	328	220	230	202	219	460	250
TDF6-7400	425	780	365	245	255	228	248	500	270
TDF6-9011	455	885	395	270	290	232	256	500	305
TDF6-9013	492	925	435	290	310	270	292	500	305
TDF6-9017	548	1000	475	315	335	300	327	550	330
TDF6-9021	602	1070	525	350	370	344	374	550	330

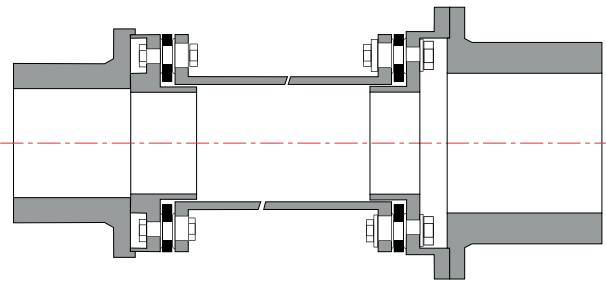
TDF8-840	188	340	146	100	105	82	94	460	94
TDF8-1100	212	400	175	115	120	97	108	460	108
TDF8-1300	236	520	195	130	135	123	135	460	135
TDF8-2900	282	600	235	155	165	138	152	460	152
TDF8-3300	305	675	260	175	185	149	164	460	164
TDF8-4700	348	715	290	195	205	184	198	460	198
TDF8-6600	404	730	345	230	240	217	234	460	234
TDF8-9011	425	780	365	245	255	228	248	500	248
TDF8-9015	455	885	395	270	290	232	256	500	256
TDF8-9018	492	925	435	290	310	270	292	500	292
TDF8-9023	548	1000	475	315	335	300	327	550	327
TDF8-9029	602	1070	525	350	370	344	374	550	374
TDF8-9047	662	1205	585	390	410	386	420	600	420

TDF10-2100	236	520	190	130	135	119	135	460	135
TDF10-3700	282	600	225	155	165	132	152	460	152
TDF10-5300	305	675	255	175	185	140	164	460	164
TDF10-6600	348	715	286	195	205	176	198	460	198
TDF10-8400	404	730	345	230	240	217	234	460	234
TDF10-9013	425	780	368	245	255	228	248	500	248
TDF10-9017	455	885	398	270	290	232	256	500	256
TDF10-9019	492	925	435	290	310	270	292	500	292
TDF10-9026	548	1000	475	315	335	300	327	550	327
TDF10-9037	602	1070	525	350	370	344	374	550	374
TDF10-9058	662	1205	585	390	410	386	420	600	420

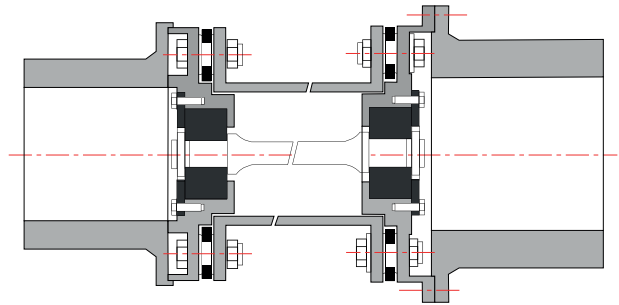
CUSTOMIZED DESIGN TO MEET SPECIFIC REQUIREMENTS



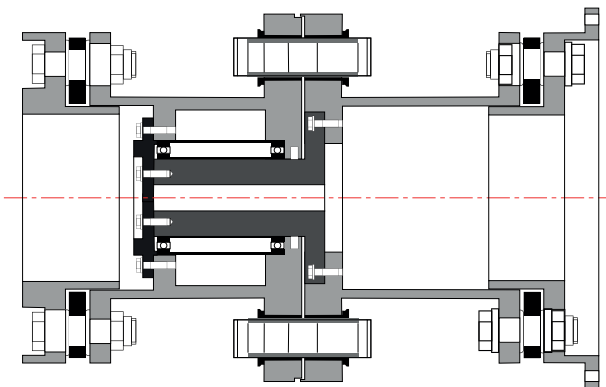
Electrically insulated



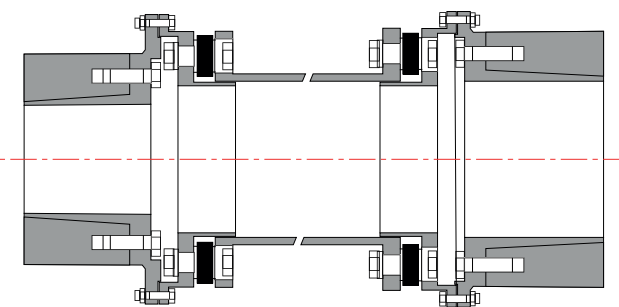
Limited end float by overload collars 2-3 mm



Limited end float by bone shaft 0 mm



Design of overload protection



Hub design with shrink connection for easy fit

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