



Trumy Disc Couplings TDK series

TDK BENEFITS

- Large hub available for larger shaft diameter
- With overload collars to avoid overload failure
- Anti-fly retention design compliance with API standards
- The flexible unit and hubs are centered by interference fit
- Disc pack, spacer and adapter are factory assembled as a flexible transmission unit
- Fully meets the requirements of API 610 / ISO 14691, can be supplied in accordance with API 671 / ISO 10441
- The flexible unit is connected to hub flanges by self-locking screws, so it is easy and quick for on-site installation

Intertech B.V.
Gildenveld 19
3892 DC Zeewolde
The Netherlands

T: +31(0)36 522 5885
E: info@intertech.nl
W: www.intertech.nl

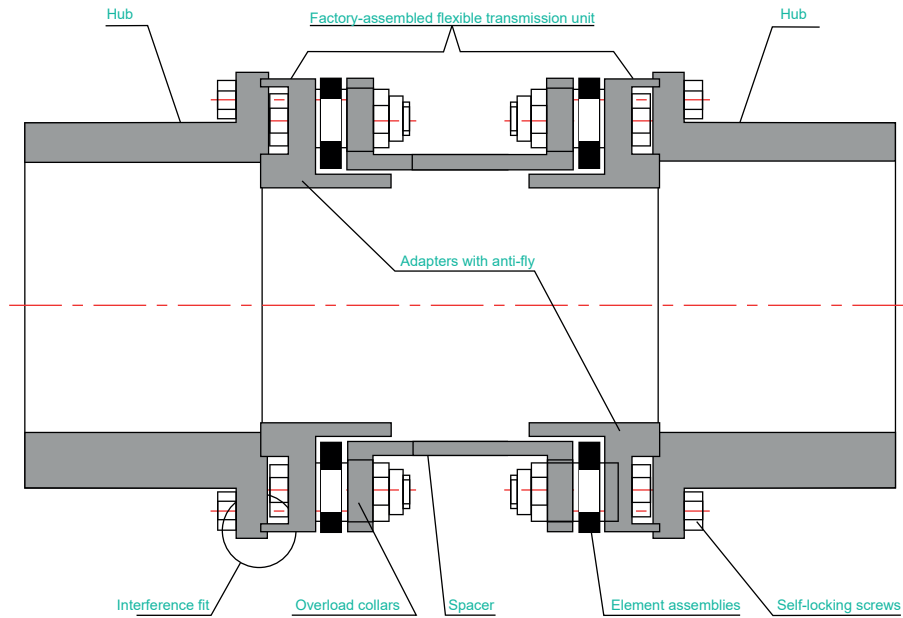
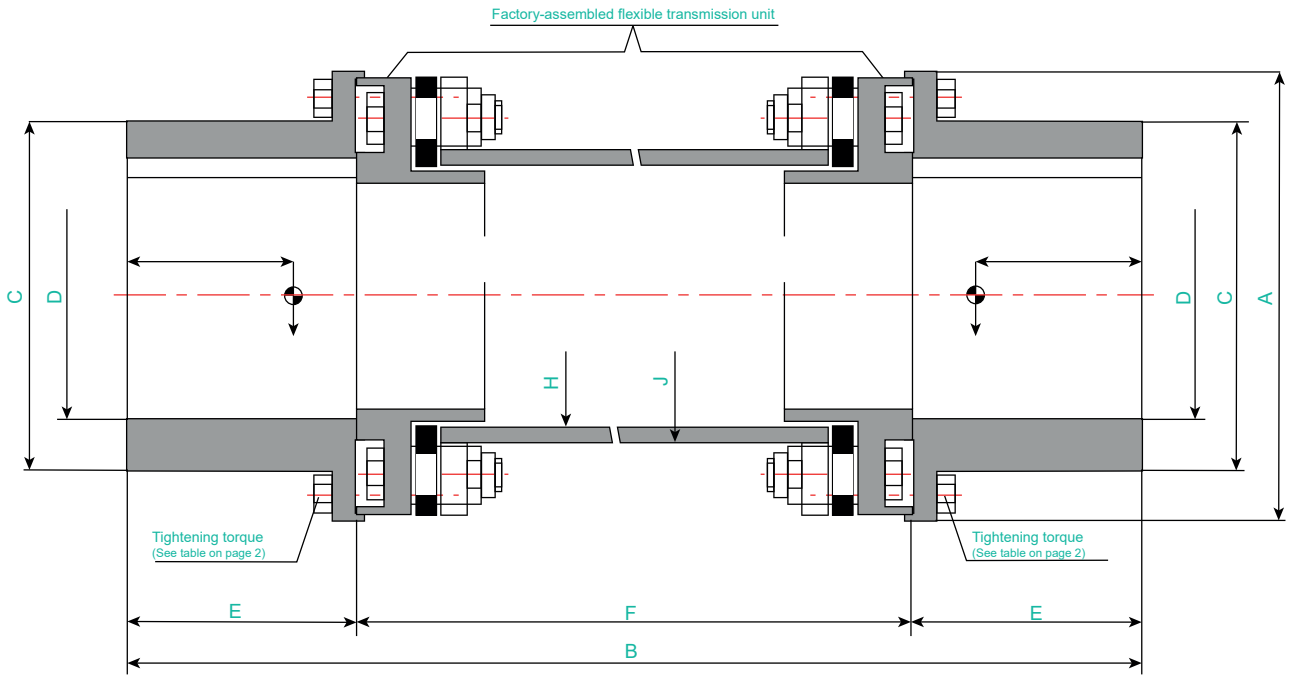


Fig. 1 Typical structure of TDK disc coupling

TDK 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	Unbalanced	Balanced						Max. degree	Restoring moment (Nm/deg)	Max. ±mm	Axial force (N)
TDK4-4	0.04	0.14	0.3	3600	24000	10	3.0	43.6	0.026	0.002	1	15.4	2	185
TDK4-6	0.063	0.2	0.4	3600	21000	10	4	49.3	0.028	0.004		19.4	2.5	215
TDK4-14	0.1	0.4	0.7	3600	19000	10	6	55.4	0.041	0.008		22.9	2.8	315
TDK4-22	0.2	0.63	1.5	3600	15500	10	9	66.3	0.038	0.018		15.0	3.4	290
TDK4-44	0.4	1.0	1.75	3600	14500	10	11	73.1	0.060	0.026		20.5	3.9	515
TDK4-112	1.0	2.0	3.1	3600	13000	10	16	81.7	0.095	0.049		25.2	4.0	700
TDK6-42	0.4	1	1.3	3600	20000	10	5	52.4	0.047	0.005	3/4	180	1.6	340
TDK6-66	0.63	2	2.7	3600	16500	10	8	61.4	0.151	0.013		200.8	2	510
TDK6-150	1.4	2.5	3.3	3600	14000	10	12	67.9	0.150	0.031		114.5	2.3	830
TDK6-210	2	5.4	7.2	3600	12000	10	17	81.4	0.217	0.057		157.9	2.6	1070
TDK6-370	3.55	8.6	11.5	3600	10500	10	29	96.6	0.478	0.129		227	2.9	1630
TDK6-470	4.5	9.8	13	3600	9500	25	37	102.0	0.472	0.203		203.3	3.5	1860
TDK6-840	8	19.5	26	3600	8000	25	61	120.2	0.894	0.483		198.1	3.6	2510
TDK6-1300	12.5	27.1	36.1	3600	7500	85	73	132.0	1.502	0.671		526.4	3.6	3220
TDK6-2100	20	36.1	48.1	1800	6800	85	103	142.7	1.517	1.150		435.6	3.8	4550
TDK6-2700	25	38.8	51.6	1800	6300	85	123	149.1	1.552	1.606		382.9	3.8	4860
TDK6-3300	31.5	61.7	82	1800	5800	210	166	164.3	2.622	2.580		533.3	4.8	6150
TDK6-4200	40	85.7	114	1800	5150	210	238	185.5	4.242	4.687		707.6	6	8070
TDK8-840	8	14.7	19.5	3600	9400	25	58	116.4	0.904	0.438	1/2	651.3	2	2240
TDK8-1700	16	35.9	47.8	3600	8000	85	63	121.5	2.614	0.504		1533	2.2	4030
TDK8-2700	25	47.4	63	1800	7500	85	88	133.4	3.069	0.862		1495	2.4	5930
TDK8-3300	31.5	55.4	73.7	1800	6500	85	126	151.5	3.909	1.597		1130	3	6380
TDK8-4200	40	92.5	123	1800	5500	85	197	174.4	5.365	3.484		1999	3.8	7240
TDK8-6600	63	124	165	1800	5200	210	235	187.4	9.109	4.677		3338	4.2	11350
TDK8-8400	80	171	228	1800	4750	210	316	207.2	9.043	7.329		8431	4.8	15380
TDK8-9011	100	191	254	1800	4400	410	372	212.5	15.45	10.01		6401	5.2	16090
TDK8-9015	140	300	400	1200	3900	410	538	245.2	20.38	18.49		6357	5.5	19330
TDK8-9021	200	337	448	-	3500	710	696	262.4	23.35	29.50		7386	6	23110
TDK8-9026	250	503	669	-	3200	710	1052	302.1	33.72	57.57		8478	7	27310



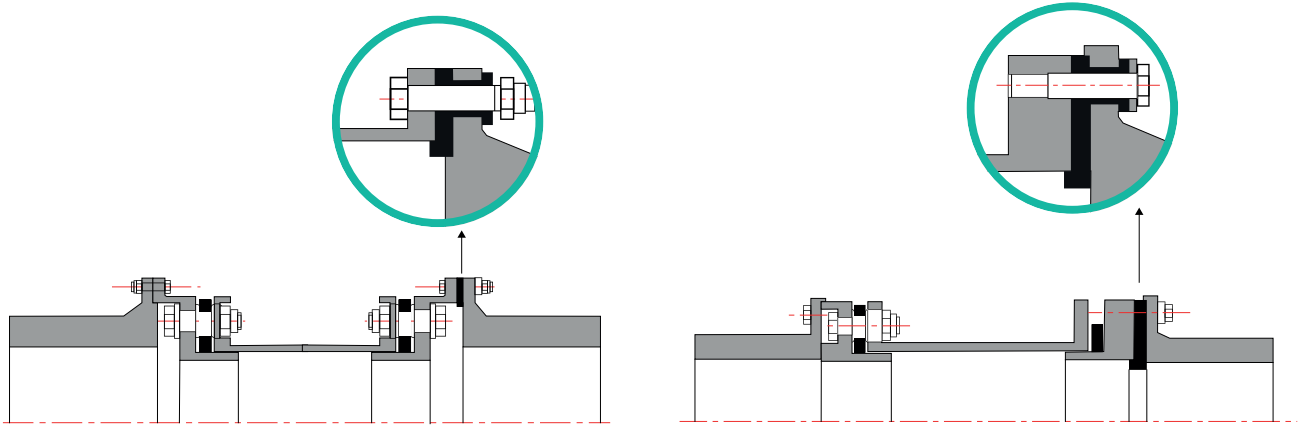
TDK SERIES COUPLING DIMENSIONS (mm)

Type	A	B min.	C max.	D max.	E	H	J	100	140	180	200	250	300	350	400	450	500	F min.
TDK4-4	83	160	51	35	40	30	40	O	O	-	-	-	-	-	-	-	-	80
TDK4-6	95	180	63	45	50	35	45	O	O	O	-	-	-	-	-	-	-	80
TDK4-14	105	205	73	50	60	45	55	O	O	O	-	-	-	-	-	-	-	85
TDK4-22	125	245	93	65	75	58	70	-	O	O	O	-	-	-	-	-	-	95
TDK4-44	135	270	103	75	85	68	80	-	O	O	O	-	-	-	-	-	-	100
TDK4-112	151	310	119	85	100	78	90	-	-	O	O	O	-	-	-	-	-	110

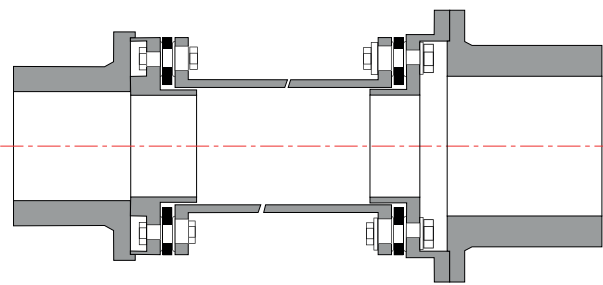
TDK6-42	100	190	68	48	55	49	55	-	O	O	-	-	-	-	-	-	-	80
TDK6-66	120	230	87	60	70	58	65	-	O	O	O	-	-	-	-	-	-	90
TDK6-150	142	260	109	75	85	75	84	-	O	O	O	-	-	-	-	-	-	90
TDK6-210	158	295	126	90	100	85	94	-	O	O	O	-	-	-	-	-	-	95
TDK6-370	180	365	147	105	120	99	108	-	-	O	O	O	-	-	-	-	-	125
TDK6-470	202	385	162	115	130	117	127	-	-	O	O	O	-	-	-	-	-	125
TDK6-840	236	455	196	140	160	140	151	-	-	O	O	O	-	-	-	-	-	135
TDK6-1300	258	485	205	150	170	152	164	-	-	O	O	O	-	-	-	-	-	145
TDK6-2100	282	545	231	165	185	168	182	-	-	-	O	O	O	-	-	-	-	175
TDK6-2700	302	575	251	180	200	184	198	-	-	-	O	O	O	-	-	-	-	175
TDK6-3300	332	615	268	190	210	202	219	-	-	-	-	O	O	O	-	-	-	195
TDK6-4200	372	700	308	220	240	222	242	-	-	-	-	-	O	O	O	-	-	220

TDK8-840	207	385	168	120	130	123	135	-	-	O	O	O	-	-	-	-	-	125
TDK8-1700	240	445	190	135	150	138	152	-	-	O	O	O	-	-	-	-	-	145
TDK8-2700	258	495	207	145	160	149	164	-	-	-	O	O	O	-	-	-	-	175
TDK8-3300	302	575	247	175	200	184	198	-	-	-	O	O	O	-	-	-	-	175
TDK8-4200	346	675	295	210	240	217	234	-	-	-	-	O	O	O	O	-	-	195
TDK8-6600	372	700	306	220	240	228	248	-	-	-	-	-	O	O	O	-	-	220
TDK8-8400	402	780	337	240	270	232	257	-	-	-	-	-	-	O	O	O	-	240
TDK8-9011	435	800	356	250	280	270	293	-	-	-	-	-	-	O	O	O	-	240
TDK8-9015	485	935	406	290	320	300	327	-	-	-	-	-	-	-	O	O	O	295
TDK8-9021	540	995	447	320	350	344	374	-	-	-	-	-	-	-	O	O	O	295
TDK8-9026	610	1145	517	370	410	375	410	-	-	-	-	-	-	-	-	O	O	325

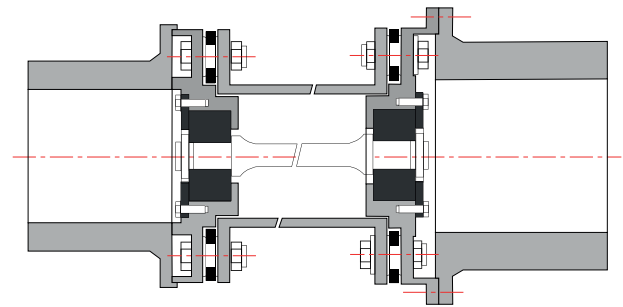
CUSTOMIZED DESIGN TO MEET SPECIFIC REQUIREMENTS



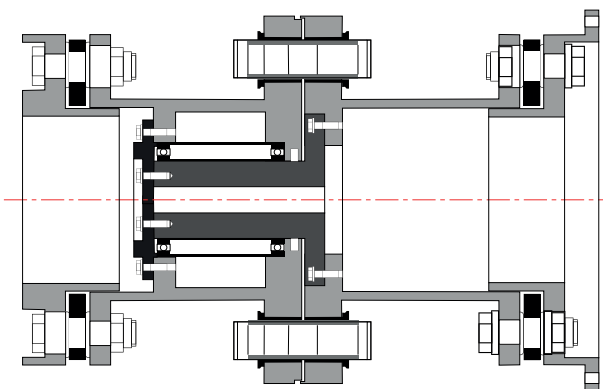
Electrically insulated



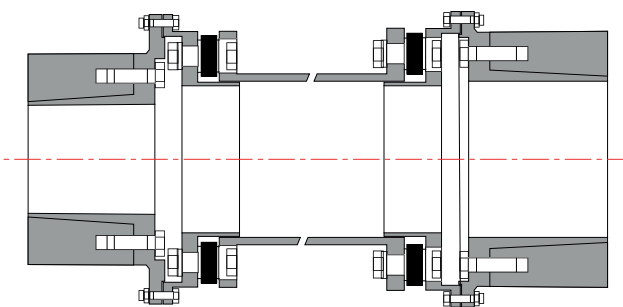
Limited end float by overload collars 2-3 mm



Limited end float by bone shaft 0 mm



Design of overload protection



Hub design with shrink connection for easy fit

Intertech B.V.
Gildenveld 19
3892 DC Zeewolde
The Netherlands

T: +31(0)36 522 5885
E: info@intertech.nl
W: www.intertech.nl