



Coupling – TITEK catalog

The TITEK coupling is suitable for transmitting torque between drive motors and machines. It compensates for radial and angular misalignments between shafts. It effectively damps or eliminates torque shocks and vibrations originating from the driven machine during rotation. The coupling consists of two identical claw coupling halves, whose interlocking claws are connected by a ring containing elastic elements. These elastic elements (star inserts) are compressed under load, enabling them to absorb high forces.

The coupling can operate within a temperature range from -25°C to +80°C.

Main advantages of TITEK couplings:

- Small, lightweight, yet robust and highly overload-resistant
- Effectively reduces torque shocks and vibrations
- Compensates for shaft misalignment
- Easy to assemble
- Multiple connection options between motor and machine

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Main technical data of TITEK couplings:

Nominal Torque						Δ Ka Max	Δ Kw Max
				Maximum Speed			
Size	Tn	Tmax	a T w	n	Δ Ka Max		Angle
	Nm	Nm	Nm 2	1/min3	mm4	mm5	Degree 5
24	30	75	8	8600	1,2	0,3	0,3
28	45	110	12	7700	1,2	0,3	0,3
32	65	165	17	6800	1,2	0,3	0,3
38	100	250	27	5800	1,5	0,4	0,3
42	140	350	37	5200	1,5	0,4	0,3
48	190	475	51	4500	1,5	0,4	0,3
65	325	610	87	3400	1,8	0,5	0,3
60	420	1050	112	3600	1,8	0,5	0,3
65	350	1375	145	3300	1,8	0,5	0,3
75	500	2260	240	3000	2,1	0,6	0,3
85	1275	3185	540	2500	2,1	0,7	0,3
100	2075	5185	583	2100	2,4	0,8	0,3
110	2500	6250	665	2000	2,4	0,9	0,3
126	3500	8750	730	1700	3	1	0,3
140	5550	13850	1480	1500	3	1,1	0,3
160	6000	20000	2130	1300	3	1,2	0,3

Note:

The finished coupling part must be dynamically balanced according to quality class **G-16** for peripheral speeds below 25 m/s, and **G-6.3** for speeds above 26 m/s. (See KGSZ 06.0601-72.)

Manufacturer of TITEK couplings:

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Manufacturer of DITEK plastic coupling inserts:

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