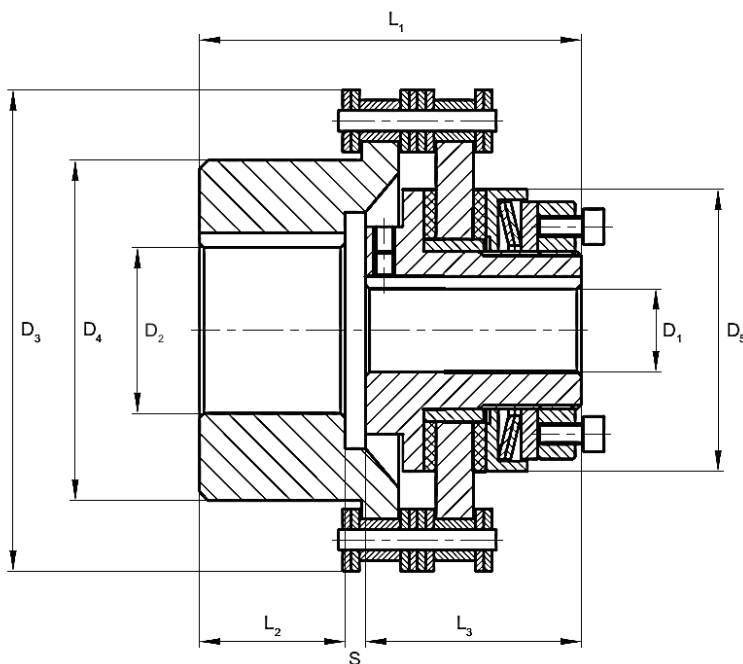


JOYTORK® Torque Limiter with Chain Coupling



Type	Torque (Nm)			Misalignment	
	1 TF	2 TF	3 TF	Radial (mm)	Angular (degree)
JT 00	0.5 - 2.5	1 - 5	—	0.15	0.50
JT 0	2 - 10	4 - 20	—	0.20	0.50
JT 01	5 - 35	10 - 70	60 - 105	0.30	0.75
JT 1	20 - 75	40 - 150	130 - 200	0.35	0.80
JT 2	25 - 140	50 - 280	250 - 400	0.35	0.80
JT 3	50 - 300	100 - 600	550 - 800	0.40	0.80
JT 4	90 - 600	180 - 1200	1100 - 1600	0.50	0.90
JT 5	280 - 800	800 - 1600	1400 - 2100	0.50	0.90
JT 6	300 - 1200	600 - 2400	—	0.50	0.90
JT 7	600 - 2200	1200 - 4400	—	0.60	1.00
JT 8	900 - 3400	1800 - 6800	—	0.60	1.00

JOYTORK® torque limiter couplings provide strong and uncomplicated overload protection for the connection of two shafts. This consists of a normal JOYTORK® limiter with a sprocket built in and an additional sprocket with hub. The two sprockets are connected with a double roller chain type DIN 8187-ISO R 808 B, tight but slightly elastic. The two ends of the chain are connected with a connecting link.

JOYTORK® torque limiters are used as overload protection when a small parallel or angular deviation of the connecting shafts cannot be excluded.

JOYTORK® torque limiters can be applied in a horizontal or vertical position. The operating temperatures are between -20°C and $+250^{\circ}\text{C}$. Maximum temperatures of $+350^{\circ}\text{C}$ are possible.

Type	Sliding Hub D ₁		Sprocket Hub D ₂		Dimensions (mm)						
	Pilot Bore (mm)	Max. Bore (mm)	Pilot Bore (mm)	Max. Bore (mm)	D ₃	D ₄	D ₅	L ₁	L ₂	L ₃	S
JT 00	4.8	10	8	25	67	40	30	55	22	31	1.5
JT 0	5.7	20	8	35	76	55	45	57	22	33	1.5
JT 01	10	22	11	50	102	75	58	74	25	45	4.0
JT 1	10	25	11	60	117	83	68	91	33	52	5.0
JT 2	14	35	15	70	138	103	88	99	34	57	7.0
JT 3	18	45	20	100	188	149	115	114	38	68	7.0
JT 4	24	55	20	120	218	168	140	136	50	78	7.0
JT 5	28	65	30	150	250	199	170	157	56	92	9.0
JT 6	38	80	40	180	285	232	200	182	70	102	10.0
JT 7	45	100	50	200	335	272	240	198	75	113	10.0
JT 8	58	120	60	250	415	346	285	205	80	115	10.0

Ordering Code:

JOYTORK® Chain Type	1	2TF	Ø 20	Ø 25
	Size	Disc Spring Layer	Sliding Hub Bore	Sprocket Bore