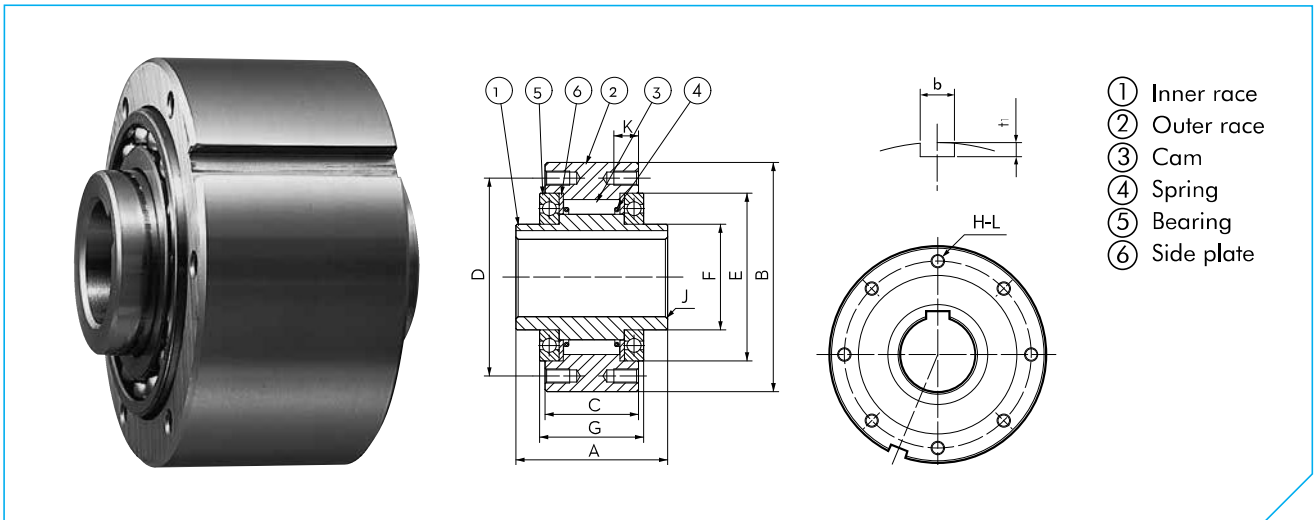


# MZEU-K SERIES CAM CLUTCH



- ① Inner race
- ② Outer race
- ③ Cam
- ④ Spring
- ⑤ Bearing
- ⑥ Side plate

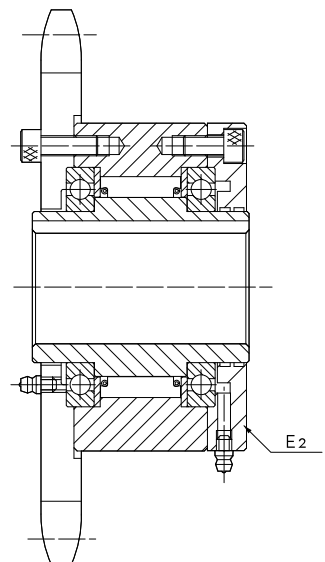
## MZEU-K

Dimensions in mm

Model	Torque Capacity Nm	Max. Overrunning Speed		Drag Torque Nm	Bore Size H7	Inner Race Keyway	A	B h7	C	D	E	F	G	H-L	K	J	Outer Race Keyway		Approx. Mass kg/pc
		Inner Race r/min	Outer Race r/min														b P10	t1	
MZEU12-K	60	2000	1000	0.20	12	4 x 1.8	42	62	20	51	42	20	27	3 - ø5.5	-	0.8	4 x 2.5	0.5	
MZEU15-K	100	1800	900	0.20	15	5 x 2.3	52	68	28	56	47	25	32	3 - M5	8	0.8	5 x 3.0	0.8	
MZEU20-K	245	1600	700	0.29	20	6 x 2.8	57	75	34	64	55	30	39	4 - M5	8	0.8	6 x 3.5	1.2	
MZEU25-K	425	1600	600	0.33	25	8 x 3.3	60	90	35	78	68	40	40	4 - M6	10	0.8	8 x 4.0	1.8	
MZEU30-K	735	1500	500	0.39	30	8 x 3.3	68	100	43	87	75	45	48	6 - M6	10	1.0	8 x 4.0	2.6	
MZEU35-K	1015	1400	300	0.49	35	10 x 3.3	74	110	45	96	80	50	51	6 - M6	12	1.0	10 x 5.0	3.2	
MZEU40-K	1350	1400	300	0.59	40	12 x 3.3	86	125	53	108	90	55	59	6 - M8	14	1.3	12 x 5.0	4.8	
MZEU45-K	1620	1400	300	0.69	45	14 x 3.8	86	130	53	112	95	60	59	8 - M8	14	1.3	14 x 5.5	6.2	
MZEU50-K	2070	1300	250	0.79	50	14 x 3.8	94	150	64	132	110	70	72	8 - M8	14	1.3	14 x 5.5	8.2	
MZEU55-K	2400	1300	250	0.88	55	16 x 4.3	104	160	66	138	115	75	72	8 - M10	16	1.5	16 x 6.0	9.5	
MZEU60-K	2950	1200	250	0.98	60	18 x 4.4	114	170	78	150	125	80	89	10 - M10	16	1.5	18 x 7.0	12.3	
MZEU70-K	4210	1100	250	1.27	70	20 x 4.9	134	190	95	165	140	90	108	10 - M10	16	1.8	20 x 7.5	18.1	
MZEU80-K	5170	800	200	1.38	80	22 x 5.4	144	210	100	185	160	105	108	10 - M10	16	1.8	22 x 9.0	23.1	
MZEU90-K	12000	450	150	4.70	90	25 x 5.4	158	230	115	206	180	120	125	10 - M12	20	2.0	25 x 9.0	28.1	
MZEU100-K	17600	400	130	5.39	100	28 x 6.4	182	270	120	240	210	140	131	10 - M16	24	2.0	28 x 10.0	46.3	
MZEU130-K	24500	320	110	6.76	130	32 x 7.4	212	310	152	278	240	160	168	12 - M16	24	2.5	32 x 11.0	70.2	
MZEU150-K	33800	240	80	8.13	150	36 x 8.4	246	400	180	360	310	200	194	12 - M20	32	2.5	36 x 12.0	146.3	

## Installation and Usage

- The sizes MZEU12-K up to MZEU 80-K are supplied pre-greased ex-works and do not need any further lubrication except some light maintenance as shown on page 24, to ensure an appropriate function of the lateral roller bearings.
- The ambient temperature range is -40°C to +40°C. For higher range temperatures please consult Tsubaki.
- The sizes MZEU90-K up to MZEU 150-K require oil lubrication.
- We recommend a shaft tolerance of h7 with a standard key. Our keyways are standardized according to DIN 6885.1.
- We recommend applying tolerance H7 or H8 to re-work sprockets, pulley, gears or other parts to be fitted. Before installation of the clutch, it's recommended to clean both ends of the outer race and contact surface of the flange(s), torque arm, cover or fitted part.
- For the sizes MZEU90-K up to MZEU150-K, apply seal adhesive (supplied with each optional part) to prevent oil leakage.
- Before assembly of the optional or fitted part(s) check the rotation direction of the clutch, indicated by an arrow on the inner race side surface. When installing sprocket, gear, pulley or other items to the clutch, always use bolts to assemble them.
- Size and quantity are mentioned under H-L in the above mentioned table.
- By installing any type of optional or fitted part in the opposite way the clutch's direction of rotation can be changed.
- Fix a grease nipple to each optional or fitted part.
- When mounting the clutch onto the shaft, apply pressure to the inner race, but **never** to the outer race.
- For high speed indexing applications (over 50 cycle/min) strong springs are recommendable and can be supplied accordingly.



Installation example 1