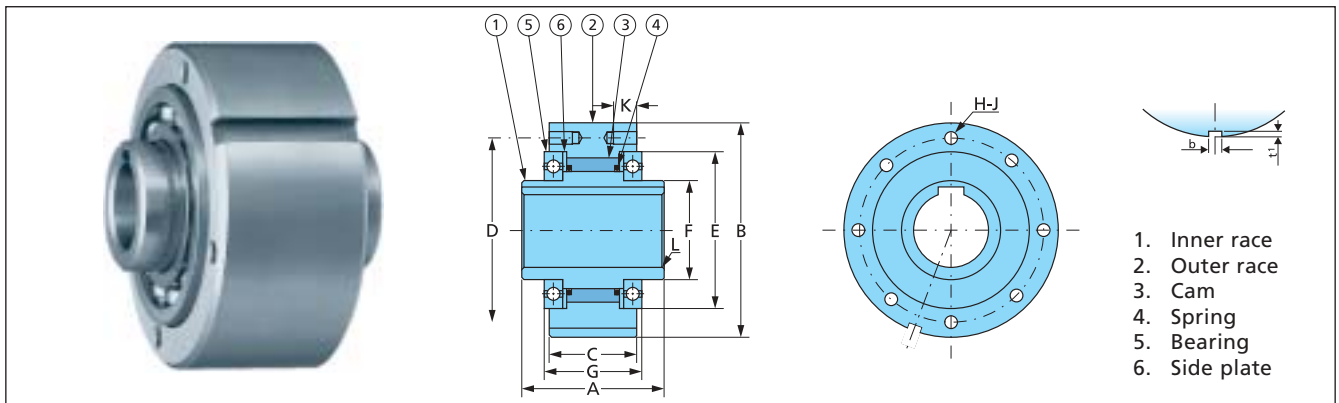


- basic type MZEU-K series Cam Clutches -



Basic type MZEU-K Cam Clutch. Summary of parts and dimensions (referring to table below).

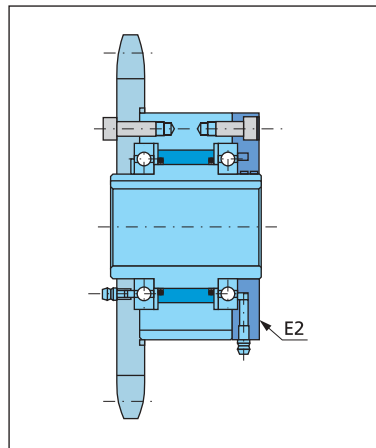
- dimensions and capacities -

Model	Torque capacity	Max. overrunning speed		Drag torque	Bore size	Keyway	A	B	C	D	E	F	G	H-J	K	L	b	t ₁	Weight
		Inner race	Outer race																
	N·m	r/min	r/min	N·m	H7	h7	kg												
MZEU12K	60	2,000	1,000	0.20	12	4×1.8	42	62	20	51	42	20	27	3-Ø5.5	-	0.8	4	2.5	0.5
MZEU15K	100	1,800	900	0.20	15	5×2.3	52	68	28	56	47	25	32	3-M5	8	0.8	5	3.0	0.8
MZEU20K	245	1,600	700	0.29	20	6×2.8	57	75	34	64	55	30	39	4-M5	8	0.8	6	3.5	1.2
MZEU25K	425	1,600	600	0.33	25	8×3.3	60	90	35	78	68	40	40	4-M6	10	0.8	8	4.0	1.8
MZEU30K	735	1,500	500	0.39	30	8×3.3	68	100	43	87	75	45	48	6-M6	10	1.0	8	4.0	2.6
MZEU35K	1,015	1,400	300	0.49	35	10×3.3	74	110	45	96	80	50	51	6-M6	12	1.0	10	5.0	3.2
MZEU40K	1,350	1,400	300	0.59	40	12×3.3	86	125	53	108	90	55	59	6-M8	14	1.3	12	5.0	4.8
MZEU45K	1,620	1,400	300	0.69	45	14×3.8	86	130	53	112	95	60	59	8-M8	14	1.3	14	5.5	6.2
MZEU50K	2,070	1,300	250	0.79	50	14×3.8	94	150	64	132	110	70	72	8-M8	14	1.3	14	5.5	8.2
MZEU55K	2,400	1,300	250	0.88	55	16×4.3	104	160	66	138	115	75	72	8-M10	16	1.5	16	6.0	9.5
MZEU60K	2,950	1,200	250	0.98	60	18×4.4	114	170	78	150	125	80	89	10-M10	16	1.5	18	7.0	12.3
MZEU70K	4,210	1,100	250	1.27	70	20×4.9	134	190	95	165	140	90	108	10-M10	16	1.8	20	7.5	18.1
MZEU80K	5,170	800	200	1.38	80	22×5.4	144	210	100	185	160	105	108	10-M10	16	1.8	22	9.0	23.1
MZEU 90	12,000	450	150	4.70	90	25×5.4	158	230	115	206	180	120	125	10-M12	20	2.0	25	9.0	28.1
MZEU100	17,600	400	130	5.39	100	28×6.4	182	270	120	240	210	140	131	10-M16	24	2.0	28	10.0	46.3
MZEU130	24,500	320	110	6.76	130	32×7.4	212	310	152	278	240	160	168	12-M16	24	2.5	32	11.0	70.2
MZEU150	33,800	240	80	8.13	150	36×8.4	246	400	180	360	310	200	194	12-M20	32	2.5	36	12.0	146.3

Note: For the dimensions: bore size, B and b we recommend the tolerances H7, h7 and P10 as stated in the table above.

- 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 10, to ensure an appropriate function of the lateral roller bearings.
- The ambient temperature range is -40°C up to +40°C. For higher range temperatures please consult Tsubaki.
- The sizes MZEU90-K up to MZEU 150-K require oil lubrication. Refer to lubrication and maintenance on page 10.
- 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



Installation example 1.

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-J 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 c/min) strong springs are recommendable and can be supplied accordingly.
- Refer to page 10 for other usage indicators and further advise.