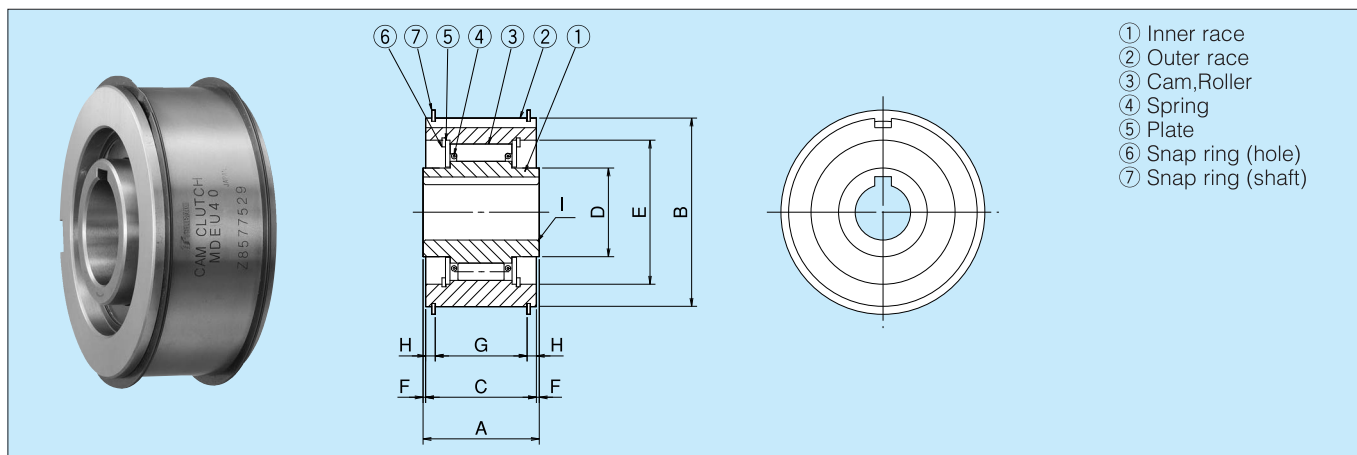


MDEU SERIES CAM CLUTCH



Dimensions and Capacities

Dimensions in mm

Model	Torque Capacity (N·m)	Max. Overrunning (r/min) Inner Race	Max. Indexing (cycle/min)	Max.Radial Load When Overrunning (N)	Bore Size (H7)	Inner race Keyway	A	B (h7)	C	D	E	F	G	H	I	Outer race Keyway	Weight (kg)
MDEU15	70	600	100	610	15	5×2.3	39	55	37	25	42	1	30	3.5	0.8	5×3	0.52
MDEU20	150	500	100	910	20	6×2.8	42	68	40	32	52	1	33	3.5	0.8	6×3.5	0.88
MDEU25	230	450	100	1060	25	8×3.3	42	80	40	40	65	1	33	3.5	0.8	8×4	1.1
MDEU30	390	400	100	1400	30	8×3.3	50	90	48	45	72	1	36	6	1	8×4	1.7
MDEU35	460	350	100	1500	35	10×3.3	50	100	48	50	80	1	36	6	1	10×5	2.1
MDEU40	530	350	100	1580	40	12×3.3	50	110	48	55	78	1	36	6	1	12×5	2.7
MDEU45	690	300	100	1770	45	14×3.8	50	120	48	65	88	1	36	6	1	14×5.5	3.2
MDEU50	870	300	100	1880	50	14×3.8	50	130	48	70	95	1	36	6	1	14×5.5	3.8
MDEU55	1100	250	100	2850	55	16×4.3	60	140	58	80	105	1	46	6	1.5	16×6	5.3
MDEU60	1500	250	100	3060	60	18×4.4	60	150	58	90	115	1	46	6	1.5	18×7	6.1
MDEU70	1900	200	100	3470	70	20×4.9	60	170	58	100	125	1	46	6	1.5	20×7.5	7.9
MDEU80	2300	200	100	3600	80	22×5.4	60	190	58	110	140	1	46	6	1.5	22×9	9.7

Installation and Usage

- The bores of the pulley, sprocket, etc., should have a tolerance of H6 or H7.
- Built in roller type bearing, due to the structure of cam and roller.
- When installing the Cam Clutch on the shaft, press the clutch inner race slightly.
- Never apply thrust loads to the Cam Clutch. Other devices should be provided to take up thrust loads applied to the Cam Clutch.
- In case of large radial loads applied to the Cam Clutch like installing with pulley, another bearing should be prepared so that the point of the loads can be hanged on the bearing.
- Key should be in accordance with ISO R773 (DIN 6885.1). Note that the keyway dimensions of outer race is not in accordance with the keyway dimensions which mentioned in ISO R773 (DIN 6885.1).
- See "Information for lubrication and maintenance" on page 79.
- In case of using the Cam Clutch in a dusty atmosphere, or preventing the Cam Clutch from grease leakage, MDEU-2GD (Cam Clutch with dust seal type) is available as option. Note that the maximum overrunning speed of Cam Clutch with dust seal type is approximately 80% compared with that of the standard model.

