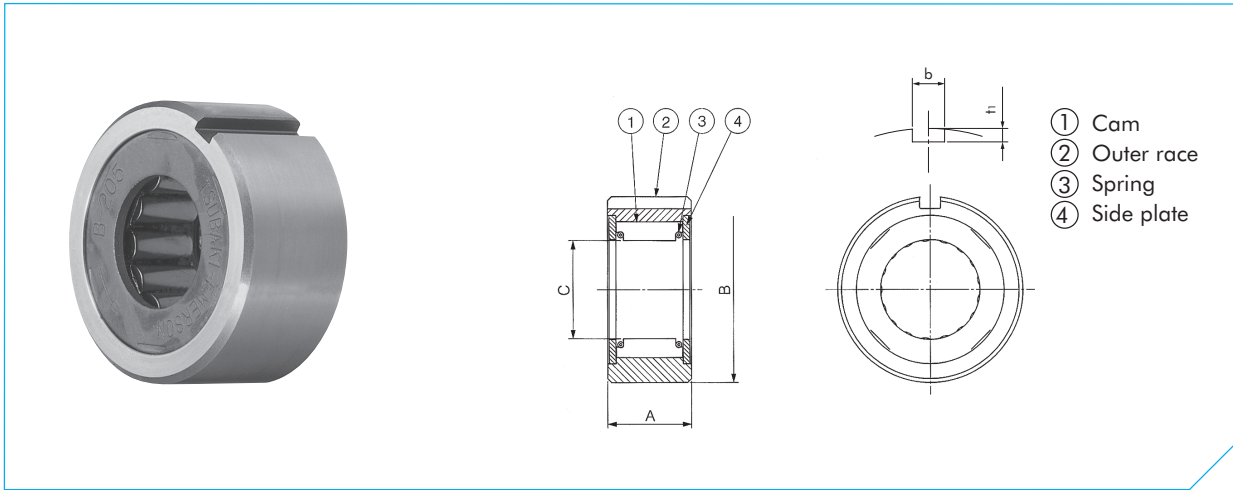


# 200 SERIES CAM CLUTCH



200

Dimensions in mm

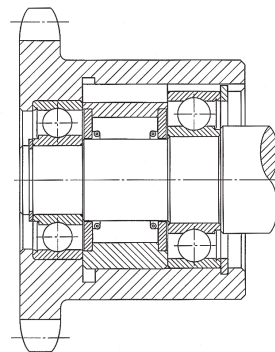
Model	Torque Capacity Nm	Max. Overrunning Speed		Drag Torque Nm	Max. Indexing cycle/min	A (+0 to -0.06)		C (+0 to -0.025)	Outer Race Keyway		Use with JIS Bearing Number	Approx. Mass kg/pc
		Inner Race r/min	Outer Race r/min			B	b P10		t1			
B 203	39.2	2400	500	0.098	150	25.0	40 <sup>-0.014</sup> <sub>-0.039</sub>	16.510	4 x 2.5		6203	0.23
B 204	58.8	2400	500	0.098	150	25.0	47 <sup>-0.014</sup> <sub>-0.039</sub>	18.796	5 x 3.0		6204	0.34
B 205	98	1800	400	0.196	150	25.0	52 <sup>-0.017</sup> <sub>-0.042</sub>	23.622	5 x 3.0		6205	0.45
B 206	235	1800	350	0.196	150	28.0	62 <sup>-0.017</sup> <sub>-0.042</sub>	32.766	7 x 4.0		6206	0.68
B 207	372	1800	300	0.196	150	28.0	72 <sup>-0.017</sup> <sub>-0.042</sub>	42.088	7 x 4.0		6207	0.80
B 208	549	1800	200	0.196	150	32.0	80 <sup>-0.017</sup> <sub>-0.042</sub>	46.761	10 x 4.5		6208	0.91
B 209	549	1800	200	0.196	150	32.0	85 <sup>-0.020</sup> <sub>-0.045</sub>	46.761	10 x 4.5		6209	0.95
B 210	784	1200	200	0.294	150	32.0	90 <sup>-0.020</sup> <sub>-0.045</sub>	56.109	10 x 4.5		6210	1.00
B 211*	784	1200	200	0.294	150	32.0	100 <sup>-0.020</sup> <sub>-0.050</sub>	56.109	10 x 4.5		6211	1.40
B 212*	1230	1200	180	0.294	150	42.0	110 <sup>-0.020</sup> <sub>-0.050</sub>	70.029	10 x 4.5		6212	1.80
B 213*	1230	1200	180	0.294	150	42.0	120 <sup>-0.020</sup> <sub>-0.050</sub>	70.029	10 x 4.5		6213	2.30
B 214*	1390	1000	180	0.392	150	42.0	125 <sup>-0.024</sup> <sub>-0.060</sub>	79.356	12 x 4.5		6214	2.40

\*= Non-stock item

## Installation and Usage

- 200 Series Cam Clutch is shaft mounted, so the shaft on which the clutch is mounted must be hardened to HRC 56-60 and 1.5 mm case depth after grinding. Grind to 1.5S (16micro-inch) finish. The taper of this shaft should not exceed 0.01 mm per 50 mm.
- For installation of the clutch, mount the clutch with bearings at both sides or on one side in order to obtain concentricity between the shaft and the clutch outer race and to take up radial or thrust loads which may work on the outer race or the shaft. See the installation example.
- The clutch should be mounted on the shaft by rotating it in the direction marked by the arrow shown on the clutch plate. Do not apply shock to the clutch by hammering.
- The clutches have the same outside diameters as the bearings shown in the table above. Bore tolerance of the housing in which the clutch is assembled should be within the range shown in the table.
- For indexing, oil lubrication is recommended.
- Concentricity of the housing bore and shaft should be within 0.05 mm.
- Key profile should be in accordance with JIS B1301-1959.

Model	Tolerance of housing bore (mm)
B 203, B 204	+0 to +0.025
B 205, B 206, B 207, B 208	+0 to +0.030
B 210, B 211, B 212, B 213	+0 to +0.035
B 214	+0 to +0.040



Installation example