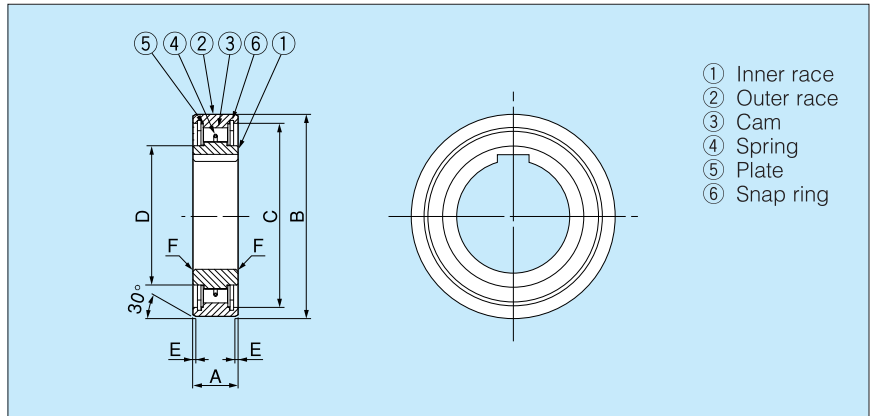


TSS SERIES CAM CLUTCH



Dimensions and Capacities

Dimensions in mm

Model	Torque Capacity (N·m)	Max. Overrunning		Drag Torque (N·m)	Bore Size (H7)	Keyway	A	B	C	D	E	F	Weight (g)
		Inner Race (r/min)	Outer Race (r/min)										
TSS 8	6.7	6000	3000	0.005	8	2×1.0	8	24	22.2	11.4	0.6	0.6	14
TSS10	12	4500	2300	0.007	10	3×1.4	9	30	27	15.6	0.6	0.6	27
TSS12	17	4000	2000	0.009	12	4×1.8	10	32	29.5	18	0.6	0.6	31
TSS15	22	3500	1800	0.01	15	5×1.2	11	35	32	20.6	0.6	0.6	39
TSS20	41	2600	1300	0.01	20	6×1.6	14	47	40	26.7	0.8	0.8	115
TSS25	56	2200	1100	0.02	25	8×2.0	15	52	45	32	0.8	0.8	140
TSS30	105	1800	900	0.03	30	8×2.0	16	62	55	40	0.8	1.0	215
TSS35	136	1600	800	0.03	35	10×2.4	17	72	63	45	0.8	1.0	300
TSS40	296	1400	700	0.18	40	12×2.2	18	80	72	50	0.8	1.0	425
TSS45	347	1300	650	0.21	45	14×2.1	19	85	75.5	57	1.2	1.0	495
TSS50	403	1200	600	0.22	50	14×2.1	20	90	82	62	1.2	1.0	545
TSS60	649	910	460	0.33	60	18×2.3	22	110	100	80	1.2	1.5	950

Installation and Usage

- The TSS Series Cam Clutch is designed for press fit installation. Correct interference dimensions must be maintained to obtain maximum clutch performance. The internal diameter of the housing should meet the H7 tolerance. Refer to item 8 in the installation and usage of BB Series Cam Clutch for information on the installation method.
- Make sure the housing has enough strength to withstand the pressure required for the press fitting installation of the clutch.
- When installing the clutch, mount it with a type 62 bearing to avoid radial force, since this clutch does not have any bearing support.
- Confirm the direction of rotation before installation.
- The recommended shaft tolerance is h7, and the key profile should be in accordance with the following standard.
TSS 8 ~ 12.....DIN 6885. 1
TSS 15 ~ 60.....DIN 6885. 3
- Suitable surface pressure of the key should be selected according to your company design standards.

Lubrication

- Oil lubrication is recommended.
- Do not use greases or lubricants with EP additives.

