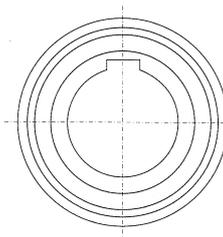
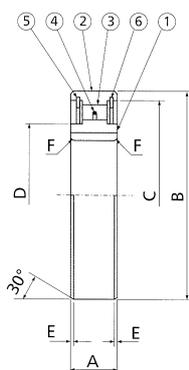


BACKSPÄRR - FRINAV

BACKSTOP CAM CLUTCHES

Serie TSS / Series TSS



- 1 Innerring/Inne race
- 2 Yttering/Outer race
- 3 Kamrulle/Cam
- 4 Fjäder/Spring
- 5 Sidbricka/Plate
- 6 Låsring/Snap ring

| Best. Nr. Code | Max vridmom. Torque capacity Nm | Max varvtal Max overrunning speed | | Moment obelastat Drag torque Nm | Axelhål diam. Bore size H7 | Kilspår Keyway mm | A mm | B mm | C mm | D mm | E mm | F mm | Vik Weight kg |
|-------------------|---------------------------------------|--------------------------------------|-----------------------------------|---------------------------------------|----------------------------------|-------------------------|---------|---------|---------|---------|---------|---------|---------------------|
| | | Innerringen Inner race r/min | Yterringen Outer race r/min | | | | | | | | | | |
| TSS 8 | 6.7 | 6,000 | 3,000 | 0.005 | 8 | 2x1.0 | 8 | 24 | 22.2 | 11.4 | 0.6 | 0.6 | 0.014 |
| TSS10 | 12.0 | 4,500 | 2,300 | 0.007 | 10 | 3x1.4 | 9 | 30 | 27.0 | 15.6 | 0.6 | 0.6 | 0.027 |
| TSS12 | 17.0 | 4,000 | 2,000 | 0.009 | 12 | 4x1.8 | 10 | 32 | 29.5 | 18.0 | 0.6 | 0.6 | 0.031 |
| TSS15 | 22.0 | 3,500 | 1,800 | 0.010 | 15 | 5x1.2 | 11 | 35 | 32.0 | 20.6 | 0.6 | 0.6 | 0.039 |
| TSS20 | 41.0 | 2,600 | 1,300 | 0.010 | 20 | 6x1.6 | 14 | 47 | 40.0 | 26.7 | 0.8 | 0.8 | 0.115 |
| TSS25 | 56.0 | 2,200 | 1,100 | 0.020 | 25 | 8x2.0 | 15 | 52 | 45.0 | 32.0 | 0.8 | 0.8 | 0.140 |
| TSS30 | 105.0 | 1,800 | 900 | 0.030 | 30 | 8x2.0 | 16 | 62 | 55.0 | 40.0 | 0.8 | 1.0 | 0.215 |
| TSS35 | 136.0 | 1,600 | 800 | 0.030 | 35 | 10x2.4 | 17 | 72 | 63.0 | 43.0 | 0.8 | 1.0 | 0.300 |
| TSS40 | 296.0 | 1,400 | 700 | 0.180 | 40 | 12x2.2 | 18 | 80 | 72.0 | 50.0 | 0.8 | 1.0 | 0.425 |
| TSS45 | 347.0 | 1,300 | 650 | 0.210 | 45 | 14x2.1 | 19 | 85 | 75.5 | 57.0 | 1.2 | 1.0 | 0.495 |
| TSS50 | 403.0 | 1,200 | 600 | 0.220 | 50 | 14x2.1 | 20 | 90 | 82.0 | 62.0 | 1.2 | 1.0 | 0.545 |
| TSS60 | 649.0 | 910 | 460 | 0.330 | 60 | 18x2.3 | 22 | 110 | 100.0 | 80.0 | 1.2 | 1.5 | 0.950 |

Installation och underhåll:

- Serie TSS skall monteras med presspassning. Ytterdiametern på navet är tillverkat för att möta axeln med H7-tollerans. Frinavet monteras i huset medelst tryck på både inner- och yttering samtidigt. Slag och chockbelastning får ej förekomma. (se fig. 1)
- Montera frinavet tillsammans med ett 62-lager för att undvika radiala krafter på frinavet då detta ej är sammanbyggt med ett spårkullager.
- Navet monteras på axeln under rotation åt det håll som pilen visar.
- Rekommenderad axelhålstollerans är H7, kilspåret skall följa DIN standard enligt följande:
TSS8-TSS12=DIN6885.1 / TSS15-TSS60=DIN6885.3

Smörjning:

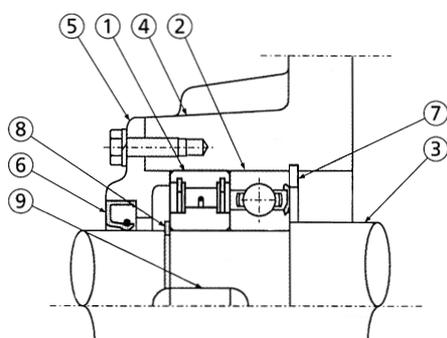
Navet är ej försmort. Oljesmörjning rekommenderas. Fett eller olja med EP tillsats får ej användas.

Installation and usage

- The TSS series cam clutch was designed for press fit installation. Correct interferences dimensions must be maintained to obtain maximum clutch performance. The internal diameter of the housing meet the H7 tolerance of the DIN standard. Refer to item 3 in the installation and usage BB series cam clutches for information on the installation method.
- When installing the clutch, mount it with type 62 bearing to avoid radial force, since this clutch does not have any bearings inside.
- The clutch should be mounted on the shaft by rotating it in the direction marked by the arrow shown on the clutch plate.
- The recommended shaft tolerance is DIN H7, and the key profile should be in accordance with the following standard:
TSS8≈TSS12=DIN6885.1
TSS15≈TSS60=DIN6885.3

Lubrication:

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



- | | | |
|----------------------|---------------|----------------------|
| 1. Backspärr typ TSS | 4. Hus | 7. Låsring (hål) |
| 2. Lager | 5. Täcklock | 8. Låsring (axel) |
| 3. Axel | 6. Oletätning | 9. Kil |
| 1. TSS cam clutch | 4. Housing | 7. Snap ring (hole) |
| 2. Bearing | 5. Cover | 8. Snap ring (shaft) |
| 3. Shaft | 6. Oil seal | 9. Key |

Reservation för måttförändringar / Reservation for dimensional changes
Mått i mm / Dimensions in mm