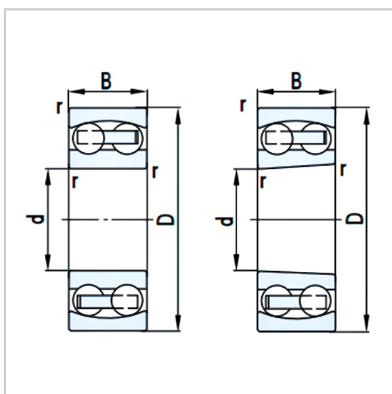
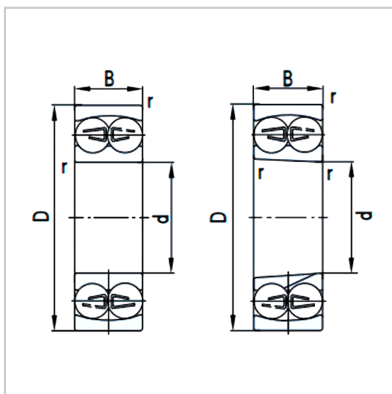
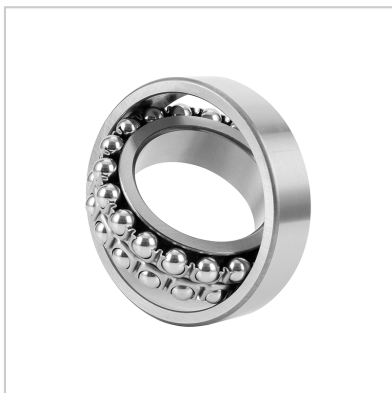


Self-aligning ball bearing

Self-aligning ball bearing-2307ATN2307AKTN



Bearing code :

Cylindrical hole :	2307ATN
Conical hole :	2307AKTN

Dimensions (mm) :

d :	35
D :	80
B :	31
$r_{1,2} \text{ min}$:	1.5

Rated load (kN) :

C_r :	39.9
C_{or} :	11.3

Extreme speed (r/min) :

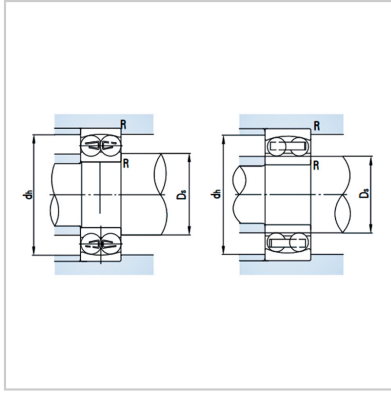
grease :	7000
Oil lubrication :	8500

Installation size (mm) :

$d_a \text{ min}$:	43
$D_a \text{ max}$:	72
$r_a \text{ max}$:	1.5

Calculate coefficient :

e :	0.46
Y_1 :	1.35
Y_2 :	2.1
Y_0 :	1.4
Weight (kg) :	0.677



介绍:

The inner ring, ball, and cage of the self-aligning ball bearing can rotate freely around the center of the bearing, and have self-aligning properties. Its centering ability can compensate for centering error, shaft deformation, and bearing seat deformation. Self-aligning ball bearings are suitable for use in transmission bearings where it is difficult to center the shaft and upper shell, and the shaft is prone to deflection.

A self-aligning ball bearing is a double row ball bearing with a spherical outer raceway and two deep groove inner raceways, which has self-aligning performance. It is mainly used to withstand radial loads, and can also withstand a small amount of axial loads while bearing radial loads, but generally cannot withstand pure axial loads. Its ultimate speed is lower than that of deep groove ball bearings. This type of bearing is commonly used on double support shafts that are prone to bending under load, as well as in components where the double bearing holes cannot guarantee strict coaxiality, but the relative inclination between the inner ring centerline and the outer ring centerline must not exceed 3 degrees.

Suitable for industries such as heavy and impact loads, precision instruments, low-noise motors, automobiles, motorcycles, metallurgy, rolling mills, mining, petroleum, papermaking, cement, sugar extraction, and general machinery.