Single Row Angular Contact Ball Bearings
7300 Series angular contact ball bearings-7314DT,7314DF,7314DB,7314A

تحمل الأرقام	
صف	**7314A**
DB	**7314DB**
مدافع	**7314DF**
DT	**7314DT**
الأبعاد الرئيسية (مم)	
د	70
د	150
ب	35
ص (دقيقة)	2.1
r1 (دقيقة)	1.1
تصنيفات الحمل الأساسية (N)	
سجل تجاري	125000
كو	93500
تصنيفات الحمولة الأساسية (kgf)	
سجل تجاري	12700
كو	9550
قيمة	
فو	14.2
تحديد السرعة (دورة في الدقيقة)	
شحم	4000
بترول	5300
مسافة نقطة العمل (مم)	
أ	49.3
أبعاد الدعامة والشرائح	
دا (دقيقة)	82
دا (حد أقصى)	138
ra (حد أقصى)	2
الوزن	
كلغ	2.6
تصنيفات الحمل الأساسية (محمل مزدوج) (N)	
سجل تجاري	203000
كو	187000
تصنيفات الحمل الأساسية (محمل مزدوج) (kgf)	
سجل تجاري	20700
كو	19100
الحد من السرعة (محمل مزدوج) (دورة في الدقيقة)	
شحم	3200
بترول	4300
مسافة نقطة العمل (محمل مزدوج) (a0)	
ترتيب ظهر إلى ظهر	98.5
الترتيب وجهاً لوجه	28.5
أبعاد التثبيت (محمل مزدوج)	
ديسيبل (دقيقة)	77
ديسيبل (حد أقصى)	143
rb (حد أقصى)	**1**

GQZ bearings wholesale high quality 7300 Series Single Row Angular Contact Ball Bearings

The dimensional parameters of 7300 series bearings include inner diameter of 10mm, outer diameter of 35mm and thickness of 11mm.

The 7300 series bearings belong to angular contact ball bearings, the specific models and sizes may be different, but the basic size parameters remain the same. For example, NSK 7300 bearings, 7300AC/DF angular contact ball bearings, 7300AC/DT angular contact ball bearings, NSK 7300BDB bearings, NACHI 7300 bearings, and NSK 7300BDT bearings, etc. Despite the differences in models and characteristics, their inner diameters, outer diameters, and thicknesses remain the same, at 10mm, 35mm, and 11mm respectively. These bearings are typically used in applications requiring radial and axial loads with high rotational accuracy and flexibility. In addition, some specific models of the 7300 series bearings have special lubrication properties and seal designs to meet different operating conditions and performance requirements.

7300 Angular Contact Ball Bearing Characteristics

The characteristics of 7300 angular contact ball bearings mainly include high load carrying capacity, high rotational speed, good axial and radial load carrying capacity, as well as being suitable for occasions where high precision is required.

1、High load carrying capacity: 7300 angular contact ball bearings are able to withstand both radial and axial loads, which makes it widely used in the field of industrial machinery. The bearings have a large load carrying capacity and can withstand a large number of radial and axial forces, thus dispersing the load, reducing the stress at a single contact point and prolonging the service life of the bearings.

2、High speed: Due to the design of 7300 angular contact ball bearings, the contact angle between the inner ring and outer ring is designed to be 15° or 25°, which reduces the frictional resistance and lowers the temperature rise, thus increasing the speed of the bearings. This makes it perform well in conditions that require high speed operation, such as machine tool spindles, high-speed motors and other high-precision, high speed mechanical equipment in a wide range of applications.

3、Good axial and radial load carrying capacity: 7300 angular contact ball bearings are designed to allow it to carry axial and radial loads. Although single row angular contact ball bearings can only withstand axial load in one direction, but in the radial load will cause additional axial force, so generally used in pairs to ensure stability and load carrying capacity.

4、Suitable for occasions requiring high precision: 7300 angular contact ball bearings have high precision and repeat positioning accuracy, and are suitable for mechanical equipment requiring high precision. Its manufacturing precision is very high, can use high-strength steel or ceramic material as rolling body, inner and outer ring using high-strength steel, reduce friction and wear, the internal filling of the right amount of grease, to further reduce the friction loss, so as to meet the requirements of high-precision machinery and equipment operation.

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