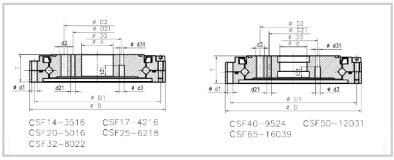
Harmonic Drive Bearing-

Bearing NO.	CRBTF 405 AT
Inner ring	40
Outer ring	73
Width	5
Dynamic load rating	46
Static load rating	8-M2.5 through
Radial Deformation	65
Input rotate speed	8-φ 2.9 through φ5.5 Counterbore depth 2.8
Output torque N.m	51.5



High Load Capacity And High Rigidity Crossed Roller Bearing For Harmonic Drive Gear Reducer

Harmonic gear bearings Cross cylindrical roller structure, divided according to their use case split outer ring, the inner ring and the outer and inner rings integral whole two categories. Rolling element is a cylindrical roller, 90 ° to each other vertically aligned in a V-raceway. This configuration enables a single bearing can withstand the load axial load, radial load and overturning moment, etc. in all directions, has high bearing stiffness and rotation accuracy complex carrying capacity; these bearings are compact, comes with bearing mounting holes for easy installation directly to the customer, suitable for a variety of different types of harmonic reducer.

MONTON series bearings designed for this robot manipulator with R & D and harmonic reducer cross roller bearings, and precision cross roller bearing the same internal structure, have high rigidity, high precision turning, colleagues and can withstand the joint in all directions load. Harmonic gear during operation, these bearings have a crucial role, bearing directly determine the accuracy of gear teeth in the wrong resistance movement, and therefore PRS harmonic gear bearings ensure accuracy of the overall state of the harmonic gear It played a crucial role.

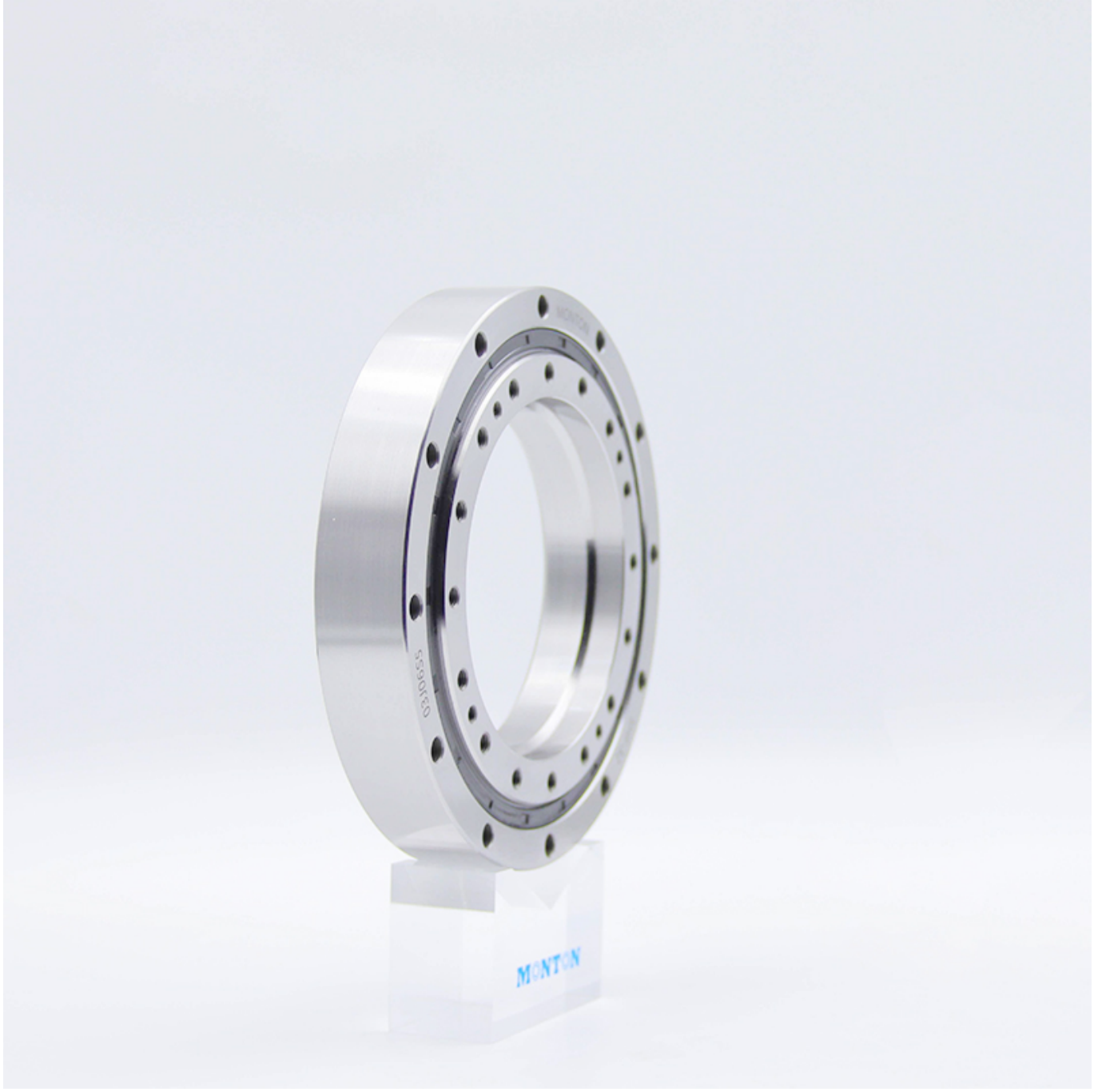
CSF (CSG) type(split outer ring, the inner ring as a whole) is divided into two outer ring, the inner ring structure as a whole, does not require the

installation flange and housing for CSG (CSF) series of all types of gear .

Standards of High Load Capacity And High High Rigidity Crossed Roller Bearing For Harmonic Drive Gear Reducer.

SHF (SHG) Harmonic Reducer Bearings

SHF/SHG harmonic reducer bearing are integral structure, this kind bearing can obtain stable rotation accuracy and torque; it is suitable for SHF (SHG) series harmonic reducers, and can also use in industrial robot arm joints, bionic robots, aerospace equipment, precision machining turntables, solar energy collection platforms, and other occasions requiring high positioning accuracy and high reduction ratio.



Flexible Bearing

Flexible bearings for harmonic reducer are mainly used in harmonic reducer. Harmonic transmission includes three basic components: wave generator, Flexspline,Circular Spline and flexible bearing. Flexible bearings are the core components, and the transmission meets the performance requirements of high deceleration ratio through the elastic deformation of bearings.

In the work of flexible bearing, the inner ring is installed on the elliptical cam, the outer ring is installed on the Flexspline, and the elastic deformation occurs with the rotation of the cam, which not only bears the cyclic stress load, but also bears the alternating stress load.