

ZXS Series Harmonic Reducer



Application



Industrial robot



Service robots



Metal machine tools



Medical Devices



Analysis, Test, Equipment



Energy Related equipment



Papermaking Equipment

Cup Type Harmonic Reducer

High rigidity

High torque capacity

Compact and concise structure

Excellent positioning and rotation accuracy

Integrated and convenient use of wave generator





1. Smooth operation and low noise

2. High deceleration ratio

3. Large torque

4. Backlash ≤ 30 arcsec

5. Steel wheel fixed flexible wheel output

Our Harmonic Reducer

1:1

Harmonic Drive System

Replace



Cup Type

- ✓ with motor flange mounting plate
- ✓ Integral design, Stable performance
- ✓ Low-noise balanced operation
- ✓ transmission error backlash $\leq 10\text{Arcses}$
- ✓ High torque Wide application range

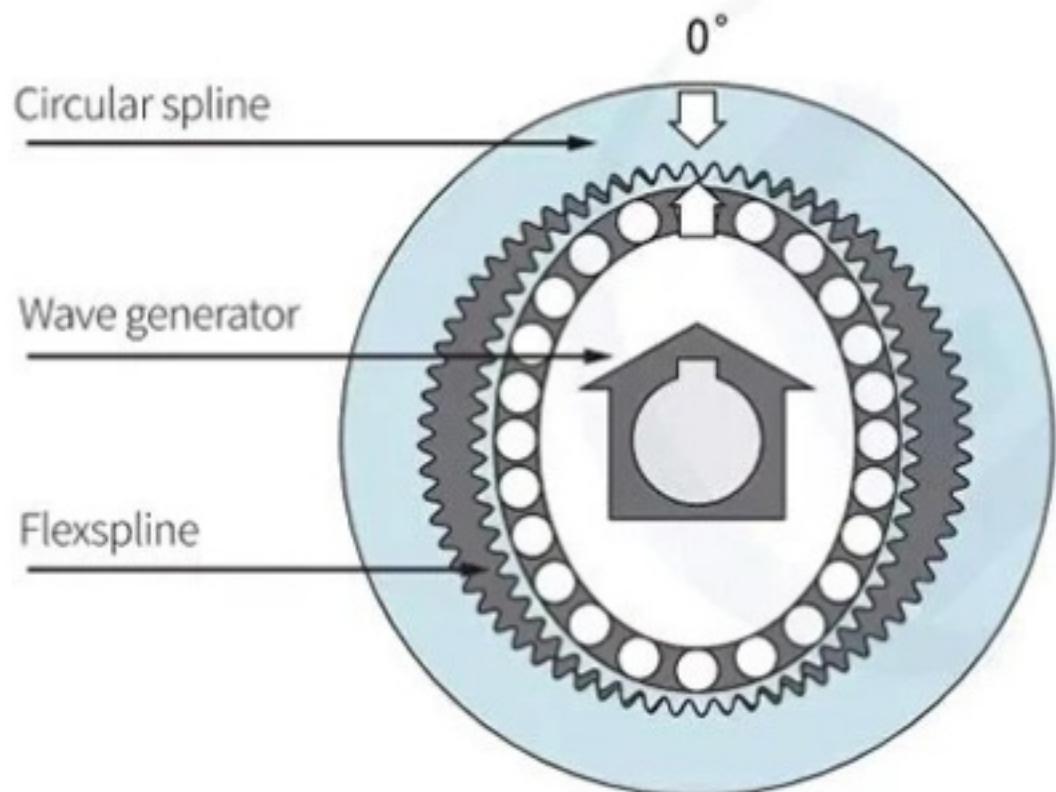


Model

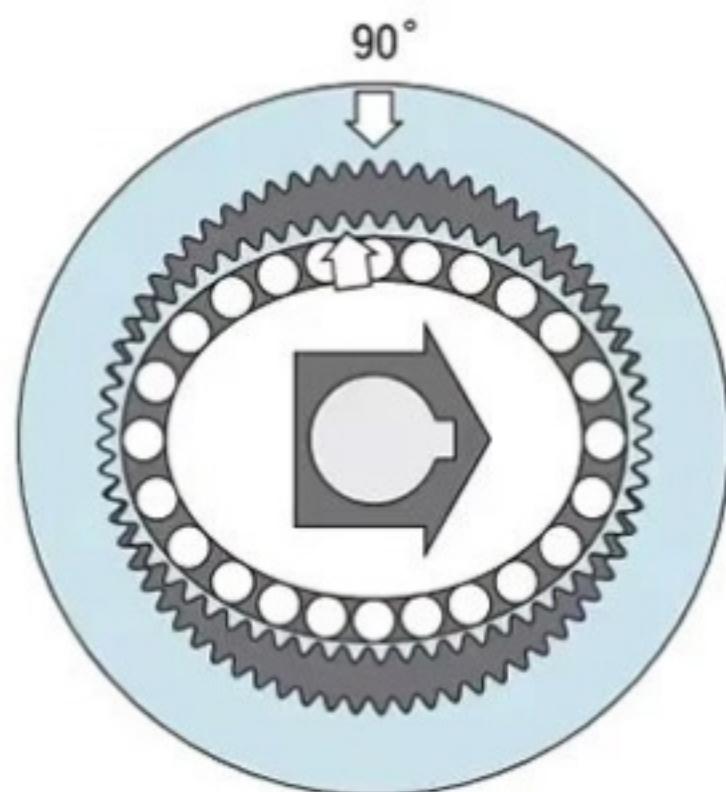
CSG - 1 - 2 - 3 - 4 - 5 - SP

1. Model: CSG series
2. Model Nos: 14, 17, 20, 25, 32, 40, 45, 50, 58, 65
3. Reduction ratio: 50, 80, 100, 120, 160
4. Model:
 - 2UH = Unit type

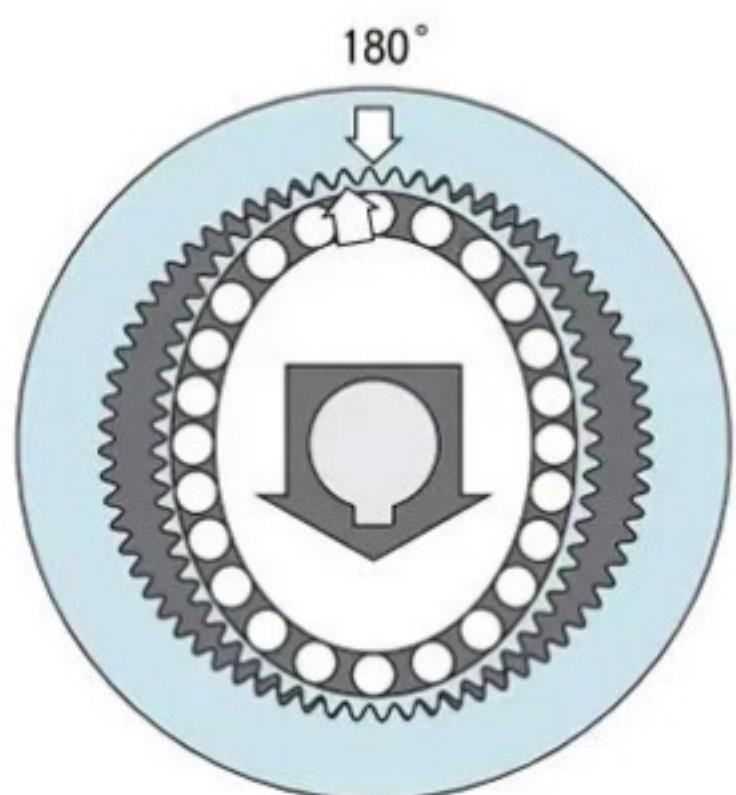
Tips: If the purchase link does not include the size you want, please contact us to purchase and we can provide 3D drawings.



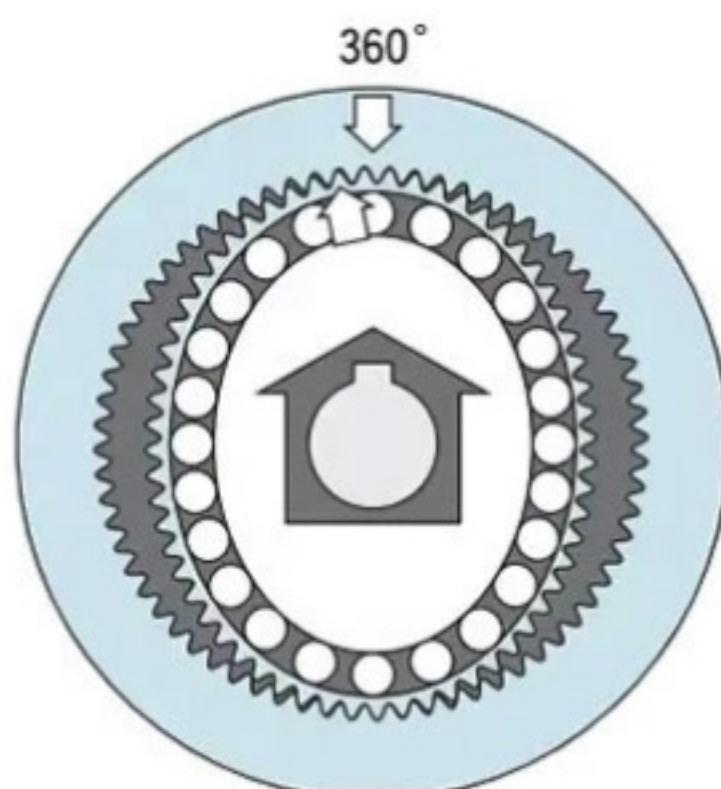
The flexspline is forced into an elliptical shape by the wave generator causing the flexspline teeth to engage with the tooth profile of the circular spline along the major axis of the ellipse, with the teeth completely disengaged across the minor axis of the ellipse.



As the wave generator rotates clockwise with the circular spline fixed, the flexspline is subjected to elastic deformation and its tooth engagement position moves turning relative to the circular spline.

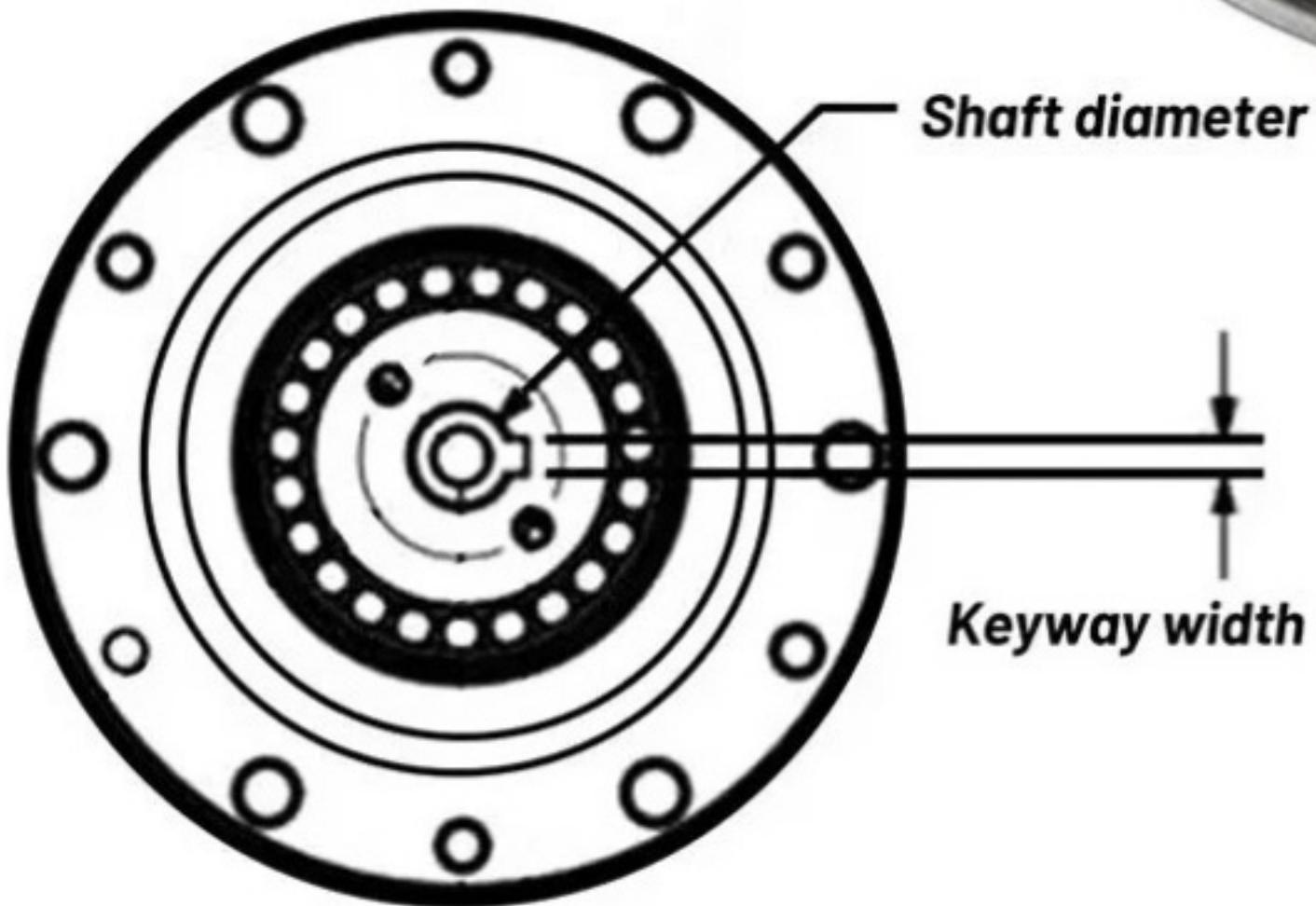


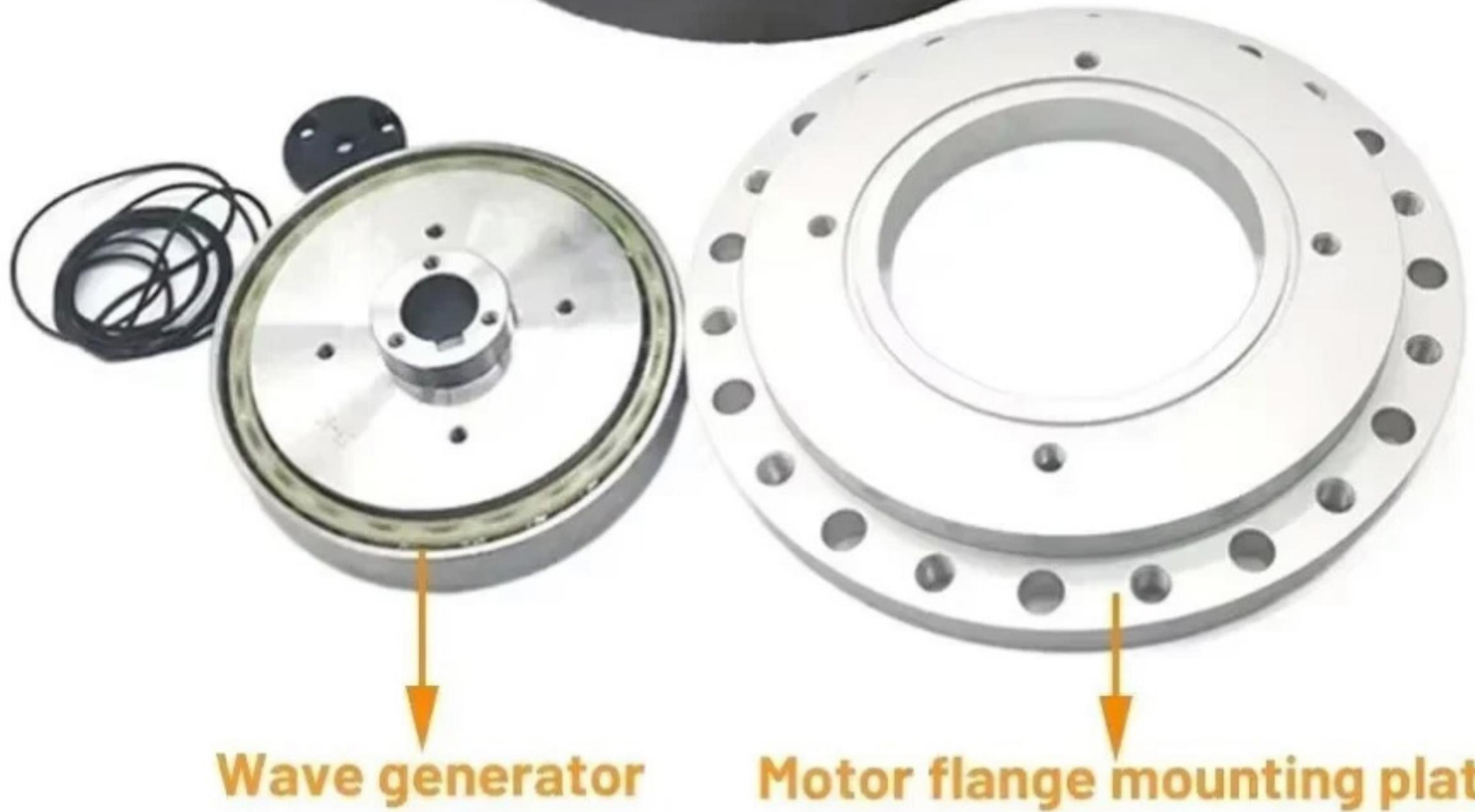
As the wave generator rotates 180 degrees clockwise, the flexspline moves counterclockwise by one tooth relative to the circular spline.



For every one full rotation clockwise (360 degrees) of the wave generator, the flexspline moves counterclockwise by two teeth relative to the circular spline because the flexspline has two fewer teeth than there are on the circular spline. In general, this movement is treated as output performing.

The wave generator needs to be installed with the motor output shaft. Before purchasing, please confirm with us the shaft diameter, shaft length, and keyway width of the motor





Wave generator

Motor flange mounting plate