# Product Datasheet

## WHS-HST - Standard Hat-Type

Hollow-flange hat flexspline in three variants: simple, vacuum-rated and solid shaft.

## Available Models (WHS codes)

| | |
|---|---|
| **WHS-HST-14-XX-U-I** | **WHS-HST-17-XX-U-I** |
| **WHS-HST-20-XX-U-I** | **WHS-HST-25-XX-U-I** |
| **WHS-HST-32-XX-U-I** | **WHS-HST-40-XX-U-I** |
| **WHS-HST-14-XX-U-III** | **WHS-HST-17-XX-U-III** |
| **WHS-HST-20-XX-U-III** | **WHS-HST-25-XX-U-III** |
| **WHS-HST-32-XX-U-III** | **WHS-HST-40-XX-U-III** |
| **WHS-HST-14-XX-U-IV** | **WHS-HST-17-XX-U-IV** |
| **WHS-HST-20-XX-U-IV** | **WHS-HST-25-XX-U-IV** |
| **WHS-HST-32-XX-U-IV** | |

## Technical Parameters

| Parameter | Value |
|---|---|
| Reduction Ratio | 50 : 1 - 160 : 1 (custom) |
| Rated Torque @2000 rpm (N·m) | 5.4 - 686 |
| Peak Torque (N·m) | up to 1,180 |
| Backlash | <= 20 arc-sec (<= 10 optional) |
| Rated Input Speed | 2000 - 3000 rpm |
| Design Life | >= 7,000 h |
| Operating Temp. | -10 °C ~ +50 °C |
| Variants | U-I / U-III (vacuum) / U-IV (solid shaft) |

*Note: parameters are typical reference values for the series. Final specifications are confirmed by our engineering team per order.*