

Small Volume Hollow Input Shaft Harmonic Drive Planetary Gearbox of Small Gear Backlash for Robotics Joints and for Aircraft

This Small Volume Harmonic Drive Planetary is made with Hollow Input Shaft for robotic joints and for aircraft .It has mainly three components: circular spline, flex spline and wave generator. They are very Small Gear Backlash harmonic drive at working. We devoted ourselves to running this project many years and covering some of Europe and America markets. Hopefully we may become a long-term partner with you in China.

Quick Details

- Gearing Arrangement : Harmonic
- Output Torque : 35-1180 N.m
- Input Speed : 2000-5000 r/min (customized)
- Place Of Origin : Jiangsu China (Mainland)
- Model Number: CSF
- Brand Name : HSC OEM
- Material : Stainless Steel , Carbon Steel
- Application : Industrial , Robotics , Medical etc
- Certification : ISO9001

- Ratio : 50-160
- Warranty : One Year

Packaging & Delivery

- Packaging Details : Cartons or wooden case
- Delivery Time : According to the order

Product Description

Comparing to other harmonic reducer , we have a big advantage on cost with the same quality.

1. Picture of CSF Series Harmonic Reducer



2. Merits of HSC Series Harmonic Reducer

- Wide range of reduction ratio

Ratio 50-160

- Zero backlash and high precision

Gear teeth mostly mesh each other at the same time and small index tolerance.

- Fewer components for easy installation.

Three main components can perform efficiently with high ratio.

- Small volume and low weight .

They are only half the weight of other suppliers' similar products and 1/3 the volume less than others.

- Large torque capacity

More than 30% of all gear teeth can mesh with each other when working

- Perform efficiently

Small sliding happen when gear meshing so keep friction loss low

- Low noise

3. Model Number Chart And Quick Choose

Performance Parameters

Mode I NO	Ratio	Input 2 000r/m in Rated Torque	Start/S top Allowa ble Max Torque	Instant an-eou s Max Torque Allowe d	Allowa ble Max Input Speed	Allowa ble Avera ge Input Speed	Rotar y Inertia
		Nm	Nm	Nm	r/min	r/min	x10kg m
14	50	5.4	18	35	5000	2500	0.033

	80	7.8	23	47			
	100	7.8	28	54			
17	50	16	34	70	4500	2000	0.079
	80	22	43	87			
	100	24	54	108			
20	50	25	56	98	4500	2000	0.193
	80	34	74	127			
	100	40	82	147			
25	50	39	98	186	4500	2000	0.413
	80	63	137	255			
	100	67	157	284			
	120	67	167	304			
32	50	76	216	382	3000	1800	1.69
	80	118	304	568			
	100	137	333	647			
	120	137	353	686			
40	50	137	402	686	3000	1800	4.5
	80	206	519	980			
	100	265	568	1080			
	120	294	617	1180			

4. Company Information

Our company holds strong technical force with completely independence development and there is a R&D Center in our company. In the domain of harmonic gear drive, our engineer team has acquired a number of national invention patents and new national practical patents.

Our factory is a professional and productive one which is engaged in research, design and production of precise harmonic gear drive device in China.

Harmonic gear reducer made by our company has the characteristics of high stability, high precision, big torque, long life, large ratio, small size, etc., , especially meet special requirements in robot industrial with outstanding advantages . We takes great pride in our history of steady growth and record for maintaining long-lasting customer relations .

So pls let us work together for the coming era ...

5.Application of CSF Series Harmonic Drive



FAQ

Q: Do you make customized products based on our design drawings?

A: Yes, we are a professional metal fabrication supplier with experienced engineering team to make custom products according to clients' drawings.

Q: Will my drawing be safe after you get it?

A: Yes, we won't release your design to any third parties unless having your permission. And we can sign the NDA before you send the drawing.

Q: What is the MOQ?

A: We don't set MOQ, but the price will be better for the larger quantity. Besides, we are happy to make prototype or sample for clients to ensure quality standard.

Q: Whether some samples can be provided?

A: Yes, just need sample cost but we will return it back when proceeding into mass production

Q: How to deal with the parts received when they are found to be in poor quality?

A: Please rest assured that all our products are QC inspected and accepted with inspection report before delivery and generally there will be no non-conformance: in case of non- conformance, please contact us immediately, take some pictures and we will check on the problems and have them reworked or redo at the first time. Also the relevant transportation costs will be our side. \

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