

【High Stiffness Reducer】

An announcement of new developments: Hollow type reducer

Nissei Corporation (Anjo, Aichi, Japan, president: Taketoshi Nozaki) has developed a 【High Stiffness Reducer】 hollow shaft type with a differential gear reduction mechanism (eccentric swaying type) that is different from our existing reducers. This new development is positioned as a growth engine for the next generation.

Industrial robots and FA equipment market is expected to keep expanding due to a growing need of automation backed by the penetration of IoT, and increase in productivity caused by decrease in the population of workers in recent years.

This product is featured by [high stiffness・high torque・large hollow shaft], allowing for faster motion, a compact design and more design flexibility for robots and FA equipment. We are planning the further expansion of products in order to meet the diverse needs of customers

■ Feature of products

1. High stiffness・High torque

High torsional stiffness and allowable torque due to the differential gear reduction mechanism (eccentric swaying type) .

2. Large hollow shaft

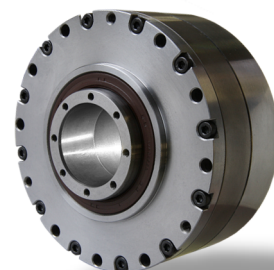
The large hollow shaft is giving a space for cables, shafts, etc.

■ Product spec

<OD>	71mm, 81mm, 95mm, 110mm, 142mm (5 sizes)
<Reduction ratio>	1/19, 29, 59 (3 ratios each)
<Hollow shaft diameter>	19mm, 21mm, 29mm, 36mm, 46mm
<Hysteresis loss>	Max. 2 arc-min

※Product features and details of specification are available on our website/virtual exhibition. Also, we will inform you about the release date as soon as fixed, so please visit

URL : <https://www.nissei-gtr.co.jp/>



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