

Traction Drive Unit Reducer for high-accuracy feeding



No backlash

Low noise, low vibration

CAT.NO.B1011E-A

A Traction Drive Unit conceived from bearing core technologies

The traction drive unit is a power transmission based on the rolling contact between rollers and is capable of smooth, rattle-free power transfer. High-accuracy and high-strength rollers are subjected to elastic deformation prior to assembly, achieving high pressure force. Additionally, by introducing traction grease that becomes highly viscous under high pressure, it is possible to achieve excellent power transfer while securing lubricity.



Application of JTEKT Core Technologies

COUTING ST

Taking bearing technologies accumulated over many years under the KOYO brand and applying them to traction drive units.



Ideal for High-accuracy Feeding

Specification Examples

No Backlash Type

Backlash has been eliminated and friction reduced by adjusting the internal clearance of the ball bearings in the planetary roller.



Customization according to customer requests is available, so please do not hesitate to contact us.









Reducer with a Minimal Rotation Irregularity Unachievable Using Gears

*Reduction ratio: 10, stepping motor drive Motor operating speed: 100 rpm

Features

Comparison with planetary gear

Mechanism	Rotation irregularity	Backlash	Noise/Vibration	High-speed performance	Torque capacity
Traction drive	Ø	\bigcirc	Ô	0	\bigtriangleup
Planetary gear	\bigtriangleup	\bigtriangleup	\bigtriangleup	\bigtriangleup	O





Plate spring coupling

Output shaft





JTEKT Corporation WEB site

https://www.jtekt.co.jp/e/



JTEKT Bearing WEB site

https://koyo.jtekt.co.jp/en/



JTEKT Overseas hubs



https://www.jtekt.co.jp/e/company/global.html

JTEKT | JTEKT CORPORATION

www.jtekt.co.jp

☆The contents of this catalog are subject to change without prior notice. Every possible effort has been made to ensure that the data herein is correct; however, JTEKT cannot assume responsibility for any errors or omissions.

Reproduction of this catalog without written consent is strictly prohibited.