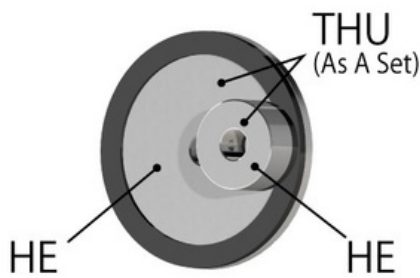


NON-CONTACT DISC-TYPE MAGNETIC VARIABLE SPEED GEARS

A non-contact magnetic variable-speed gear with high design flexibility in speed ratios

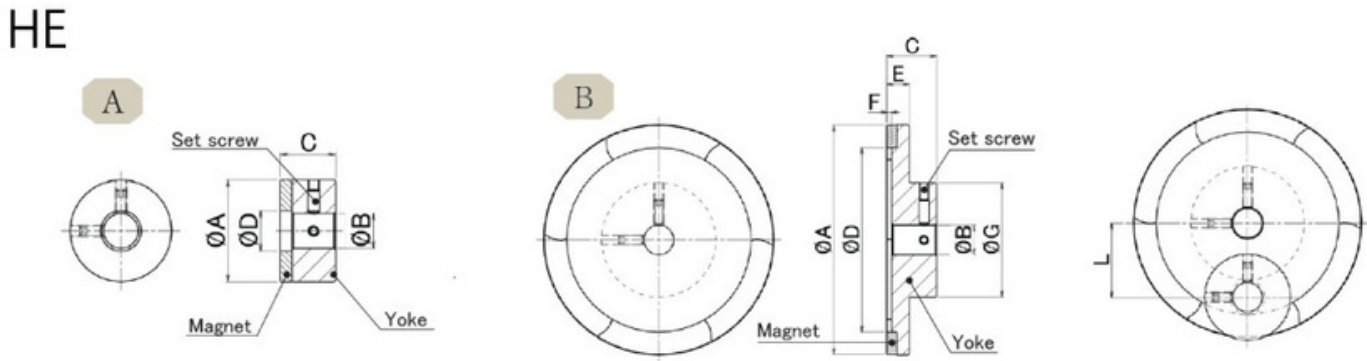
Non-Contact Technology Enables Clean, Quiet, and Safe Power Transmission

- No particle generation caused by contact surface wear
- Lubrication-free operation
- Barrier transmission enables seal-less structures
- Low noise and vibration through non-contact power transmission
- Easier assembly with high angular and eccentric misalignment tolerance
- Magnetic slip under overload helps improve safety



For applications that require variable speed control, Disc-Type Magnetic Variable Speed Gears provide a convenient solution with their disc-shaped configuration. In addition to Disc-Type Magnetic Variable Speed Gears, we also offer Cylindrical Magnetic Variable Speed Gears, which feature a cylindrical configuration for variable speed transmission.

Magnet Material : Neodymium Magnet
 Surface Treatment :
 Magnets - Electrolytic Ni plating
 Yoke - Electroless Ni plating (SC steel)



GD Disc-Type / Made-to-Order Item

| Model (Set) | Model (Individual) | Reference drawing | Dimensions | | | | | | | | | | Maximum transmissible torque (N·m) and Air gap | | |
|-------------|--------------------|-------------------|------------|----------------|------------------|----|------|---|---|----|----|-----------|--|-------|-------|
| | | | A | B (Dimensions) | B (Tolerance H8) | C | D | E | F | G | L | Set screw | 0.5 mm | 1 mm | 2 mm |
| THU6-2 | HE35-20 | A | 35 | 12 | +0.027 0 | 10 | 19 | - | - | - | 12 | M4 | 0.353 | 0.226 | 0.096 |
| | HE56-40 | B | 56 | 12 | | 19 | 43.6 | 9 | 2 | 28 | 12 | M4 | 0.715 | 0.46 | 0.194 |
| THU10-4 | HE35-12 | A | 35 | 12 | | 19 | 19 | - | - | - | 30 | M5 | 0.441 | 0.36 | 0.165 |
| | HE92-48 | B | 92 | 12 | | 20 | 74 | 9 | 2 | 46 | 30 | M5 | 1.75 | 1.239 | 0.665 |

The above product data are values measured under ambient temperature conditions.