

■ FEATURES of Matex PLANETARY GEAR

- **High Torque · High Efficiency · Low Noise**

High Torque, High Efficiency, and Low Noise are realized thanks to our unique structure.

- **Wide Variety of Standard Products · Speed Ratio**

Wide variety of size(Outer Diameter ϕ 26mm~ ϕ 200mm) and speed ratio(3-7) are provided. Furthermore, a higher speed ratio can be realized by stacking multiple planetary gear units.

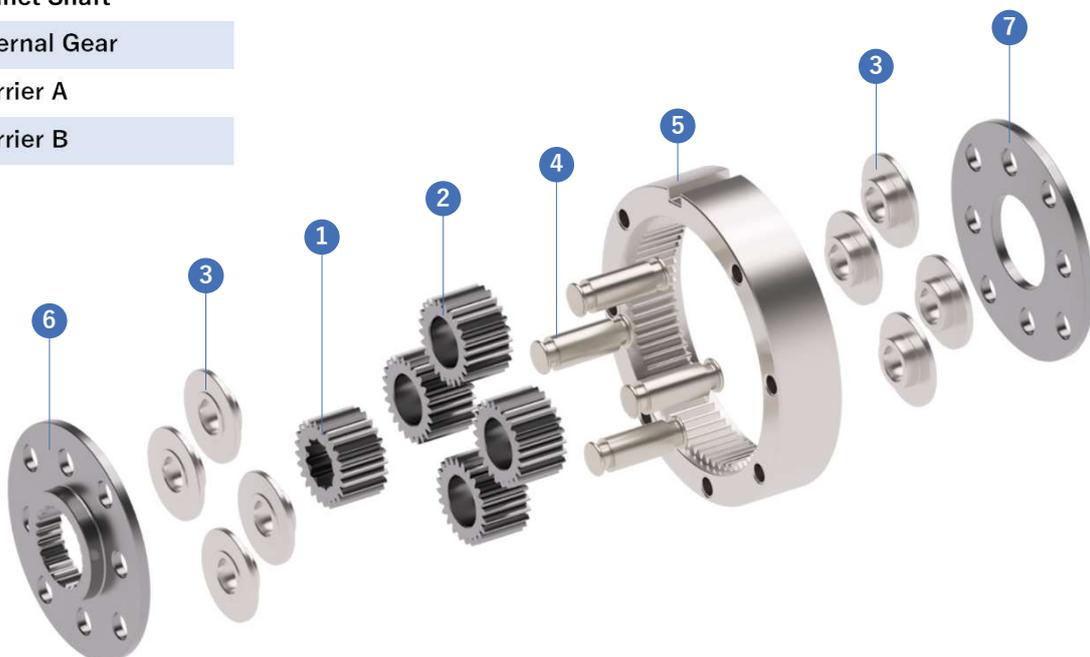
- **Flexible to Your Design due to its Minimal Unit Structure**

Minimal planetary gear unit structure and coaxial setting of input and output enable your product design compact and flexible.



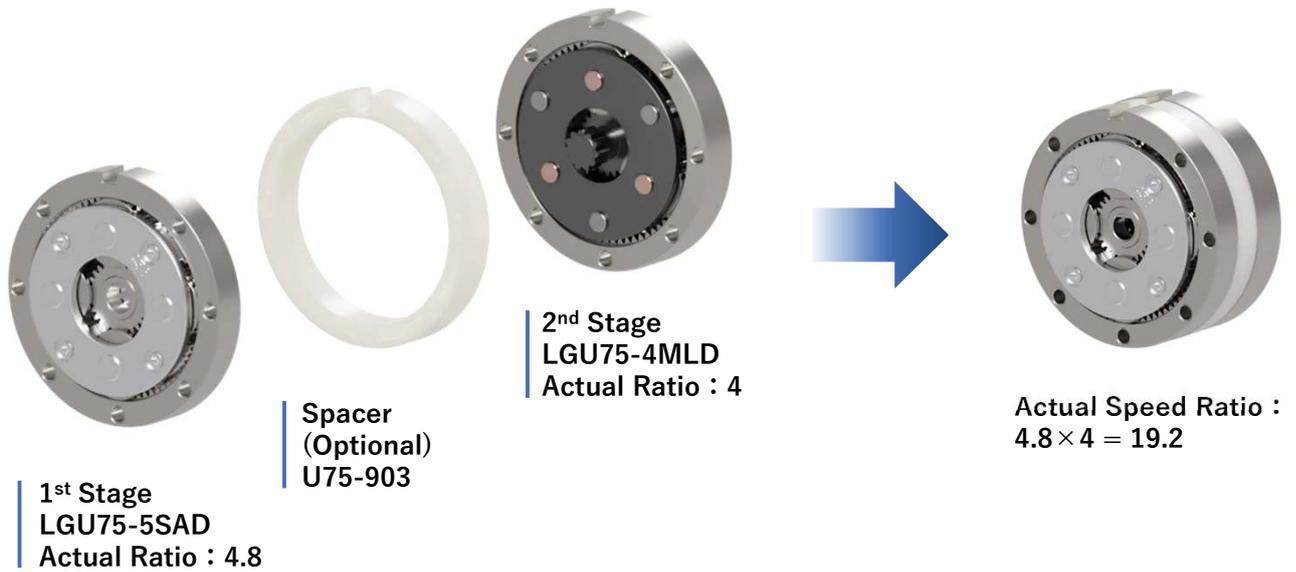
■ LGU (UNIT TYPE) STRUCTURE

- 1 Sun Gear
- 2 Planet Gear
- 3 Planet Roller
- 4 Planet Shaft
- 5 Internal Gear
- 6 Carrier A
- 7 Carrier B



■ MULTIPLE STAGE

By stacking the planetary gear units, wider range of speed ratio is available.
You can choose the right gears from the standard combination table.(See P25~P29)



※The above drawing just illustrates one example of the LGU75 series. Please refer to each product page for other series.

■ PRODUCT TYPES



LGU

UNIT TYPE

LGU series is Matex's mainstream product which is unitized important parts of planetary gear. Wide varieties of gear are available.

Page : P4~31



LGH

GEARHEAD TYPE

LGH series is a product that is unitized planetary gear unit, shaft, and case. It's connectable to the different motors by preparing a motor flange.

Page : P33, 34