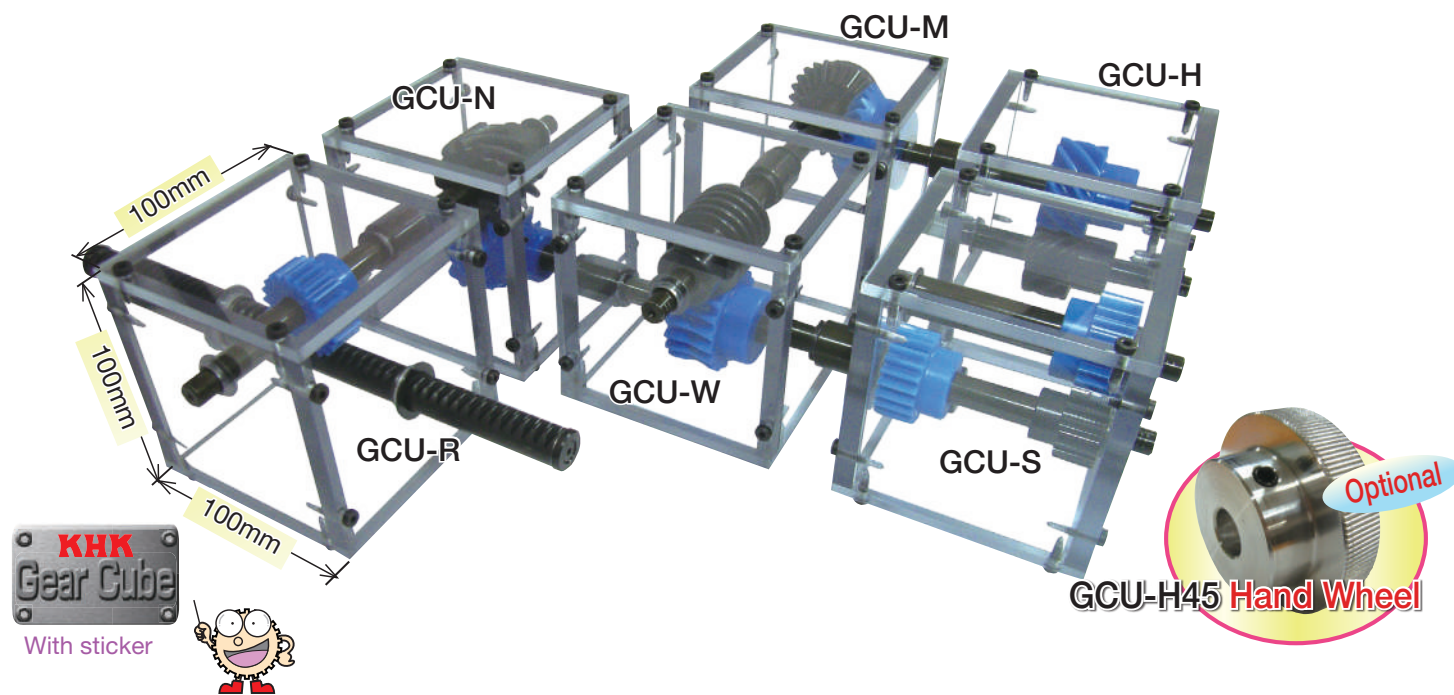




See the gears with your own eyes and move them with your own hands to learn about their mechanisms and characteristics.



\* These kits are not for actual use to transmit power. Please use only as representations of gear systems.

## Features of GearCube

- Assembly kits can be connected flexibly.
- The frame is made of polycarbonate with high transparency and impact resistance.
- Gears combine MC nylon and metal, making lubrication unnecessary.
- An instruction manual is included, enabling easily assembly by anyone.



This product is certified by KAWAGUCHI i-mono i-waza

## Assembly Procedure

Details are available on the Japanese website

Photo shows GCU-R



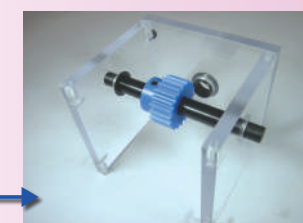
Remove protective sheet



Insert bushing



Set in shaft

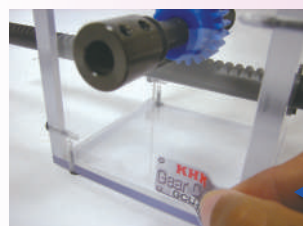


Assemble into frame

## Set Contents



Photo shows GCU-R



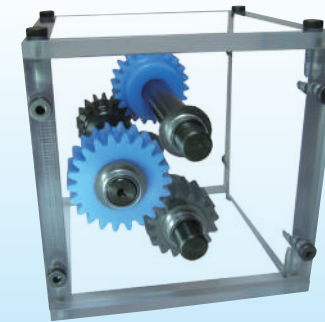
Adhere the sticker and it's complete!



Screw-fasten

All six types of assembly kit and input/output shafts can be connected.

## GCU-S Spur Gear Kit



Installation: Parallel Axes (Two-stage)  
 Gear Type: Spur Gear  
 Used Product: 2 units of SS1.5-16  
 2 units of PS1.5-22  
 Gear Ratio: 1.89  
 Weight: Approx. 1kg

The Gear Kit contains a two-stage spur gear train and allows speed increases / reductions, and includes the most commonly used combinations of gears.

## GCU-H Helical Gear Kit



Installation: Parallel Axes  
 Gear Type: Helical Gears (also for Screw Gears)  
 Gears: SN2.5-10L  
 PN2.5-10R  
 Gear Ratio: 1  
 Weight: Approx. 1kg

Helical gears have more strength than spur gears of the same dimensions and have the advantage of being less noisy.

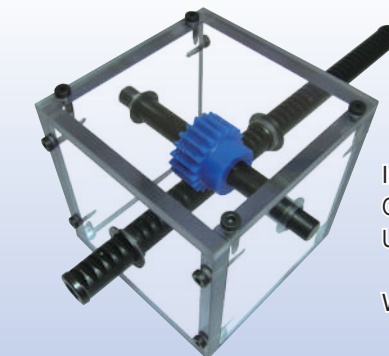
## GCU-M Miter Gear Kit



Installation: Intersecting Axes  
 Gear Type: Miter  
 Gears: SM2-25  
 PM2-25  
 Gear Ratio: 1  
 Weight: Approx. 1kg

The shaft angle of bevel gears can be changed by 90°. It is used to change the direction of the power.

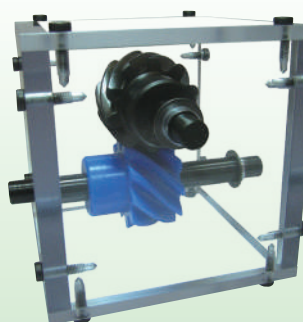
## GCU-R Rack Kit



Installation: Parallel Axes  
 Gear Type: Racks & Pinions  
 Used Product: SRO1.5-500  
 PS1.5-20  
 Weight: Approx. 1kg

Racks can be used to convert rotation to linear. They are used for elevating devices, etc.

## GCU-N Screw Gear Kit



Installation: Nonparallel and nonintersecting gears  
 Gear Type: Screw Gears  
 Gears: SN2.5-10R  
 PN2.5-10R  
 Gear Ratio: 1  
 Weight: Approx. 1kg

Screw Gears are helical gears used in nonparallel and nonintersecting situations. Applications include devices like conveyers with light loads.

## GCU-W Worm Gear Pair Kit



Installation: Nonparallel and nonintersecting gears  
 Gear Type: Worm Gear Pair  
 Gears: SW2-R1  
 PG2-20R1  
 Gear Ratio: 20  
 Weight: Approx. 1kg

Large deceleration can be made in one step. The worm gear cannot be driven by the worm wheel due to inherent self-locking.

Spur Gears  
 Helical Gears  
 Internal Gears  
 Racks  
 CP Racks & Pinions  
 Miter Gears  
 Bevel Gears  
 Screw Gears  
 Worm Gears  
 Gearboxes  
 Other Products

Spur Gears  
 Helical Gears  
 Internal Gears  
 Racks  
 CP Racks & Pinions  
 Miter Gears  
 Bevel Gears  
 Screw Gears  
 Worm Gears  
 Gearboxes  
 Other Products