

### ◆ Characteristics

- ✓ Small size high torque
- ✓ Torque : 6 types

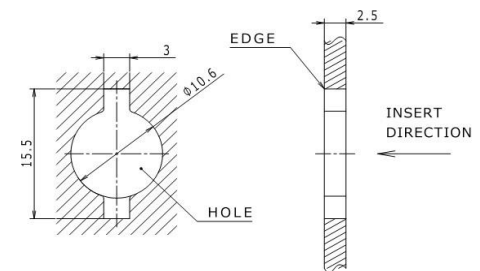
### ◆ Component parts

Part name	Material
HOUSING	PC
ROTOR	POM
CAP	PC
GEAR	POM
O-RING	EPDM
OIL	SILICONE

### ◆ GEAR Specification

Item	Specification
Number of teeth	11
Tooth width	3
Module	0.8
Pitch circle diameter	$\phi 8.8$
Pressure angle	$20^\circ$

Involute full depth



FITTING HOLE SHAPE (REFERENCE)

## ◆ Part number/Specifications

Part number	Torque [mN·m]	0	2	4	6	8	10	12	14	16	18	20	22	24	26
3Y2U - 02	$2.0 \pm 1.0$		█												
3Y2U - 04	$3.5 \pm 1.2$			█											
3Y2U - 05	$5.0 \pm 1.5$				█										
3Y2U - 10	$9.5 \pm 2.0$					█									
3Y2U - 13	$12.5 \pm 2.5$						█								
3Y2U - 16	$16.0 \pm 3.0$							█							

Speed : 20r/min

### ● Durability

Conditions

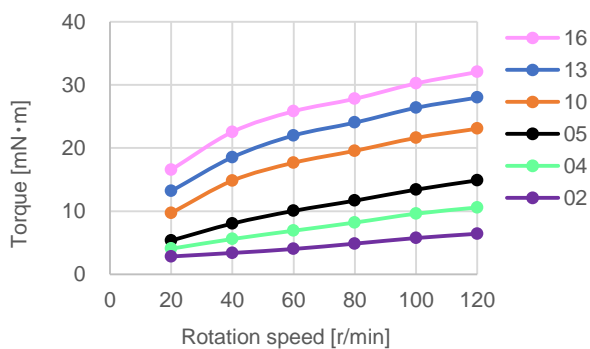
1 cycle : One rotation (3/2 turn) / 1s → pause / 1s → Reverse rotation (3/2 turn) / 1s → pause / 1s

Lifetime

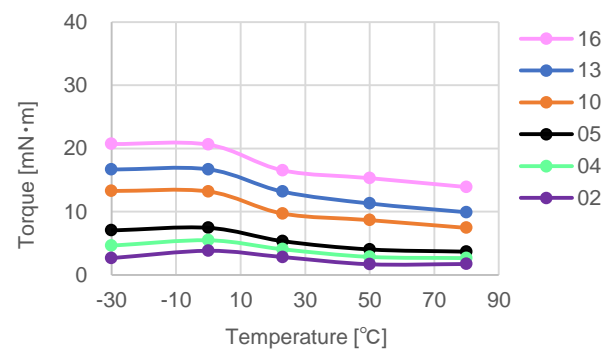
20,000 cycles Room temperature (23°C)

## ◆ Damper characteristics

### ● Rotation speed - torque characteristic (23°C)



### ● Temperature - torque characteristic (20r/min)



※ Specifications are subject to change without notice.