

◆ Characteristics

- ✓ Smallest size with through hole
- ✓ Torque : 2 types

◆ Component parts

Part name	Material
HOUSING	PC
ROTOR	POM
CAP	PC
O-RING OUTSIDE	VMQ
O-RING INSIDE	VMQ
OIL	SILICONE

◇ Part number/Specifications

Part number	Torque [mN·m]	0	5	10	15	20	50	25	30	35	40	45	50	55	60	65
3Y9F - 09	8.5 ± 2.0															
3Y9F - 19	18.5 ± 5.0															

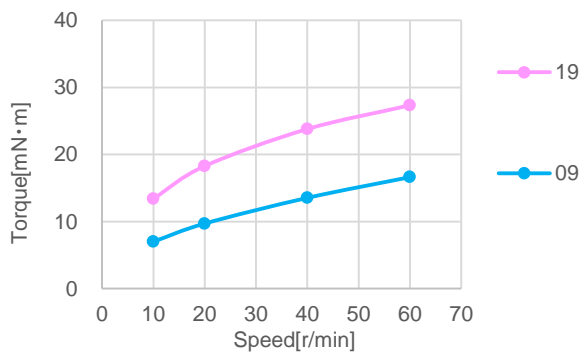
Speed : 20r/min

● Durability

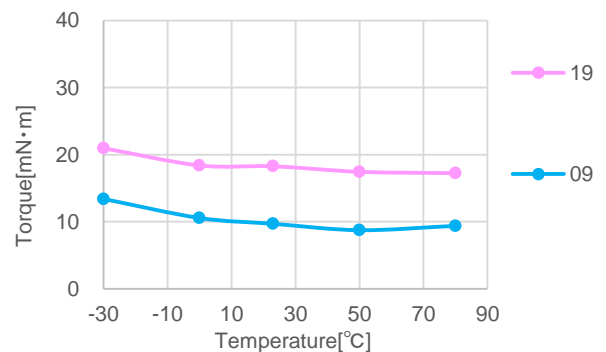
Conditions	1 cycle : One rotation(1/2turn) / 1s → pause / 2s → Reverse rotation(1/2turn) / 1s → pause / 2s
Lifetime	10,000 cycles Room temperature (23°C)

◇ Damper characteristics

● Rotation speed - torque characteristic (23°C)



● Temperature - torque characteristic (20r/min)



※ Specifications are subject to change without notice.