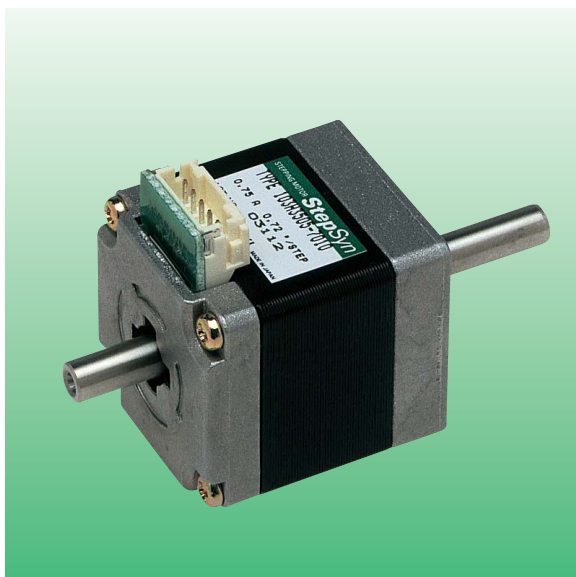




5-phase stepping motor

28mm sq. 103H35□□-70□□
0.72°/step

●Applicable drivers



Specifications

Motor with leads

Model number		Holding torque at 5-phase energization	Rated current	Wiring resistance	Wiring inductance	Rotor inertia	Weight
Single-axis	Dual-axis	N.m or more	A/phase	Ω/phase	mH/phase	x 10 ⁻⁴ kg·m ²	kg
103H3505-7070	-7020	0.026	0.75	1.2	0.32	0.009	0.11
103H3515-7070	-7020	0.052	0.75	1.5	0.4	0.016	0.2

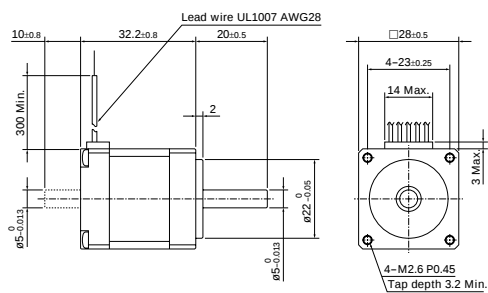
Motor with connector

Model number		Holding torque at 5-phase energization	Rated current	Wiring resistance	Wiring inductance	Rotor inertia	Weight
Single-axis	Dual-axis	N.m or more	A/phase	Ω/phase	mH/phase	x 10 ⁻⁴ kg·m ²	kg
103H3505-7040	-7010	0.026	0.75	1.1	0.32	0.009	0.11
103H3515-7040	-7010	0.052	0.75	1.4	0.4	0.016	0.2

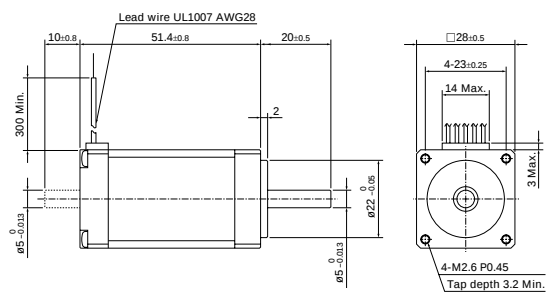
Dimensions (unit: mm)

Motor with leads

103H3505-7070 (Single shaft)
103H3505-7020 (Double shaft)



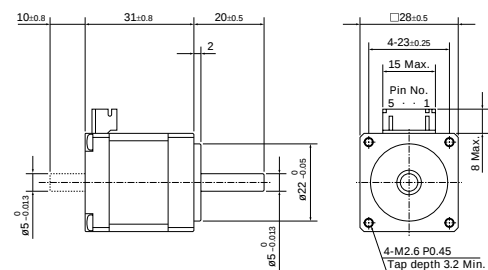
103H3515-7070 (Single shaft)
103H3515-7020 (Double shaft)



Motor with connector

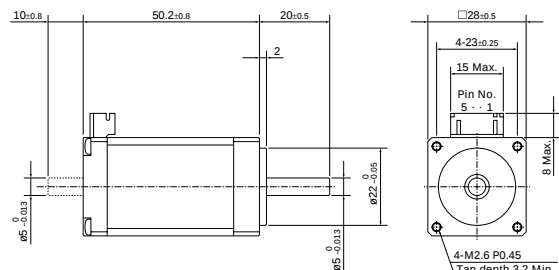
103H3505-7040 (Single shaft)
103H3505-7010 (Double shaft)

Applicable connector
(Japan Solderless Terminals)
Housing : PHR-5
Contact : SPH-002T-P0.5S



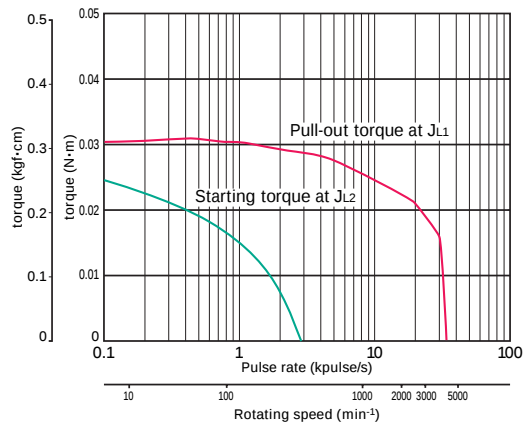
103H3515-7040 (Single shaft)
103H3515-7010 (Double shaft)

Applicable connector
(Japan Solderless Terminals)
Housing : PHR-5
Contact : SPH-002T-P0.5S



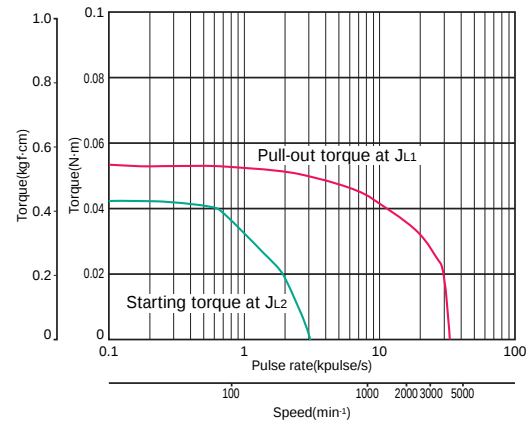
Pulse rate-torque characteristics

●103H3505-7040/103H3505-7070



Sanyo constant current circuit
Source voltage : 24V DC • Winding current : 0.75A/phase
5-phase excitation (Full step)
 $J_{L1}=0.01 \times 10^{-4} \text{kg} \cdot \text{m}^2$ (Pulley balancer system)
 $J_{L2}=0.01 \times 10^{-4} \text{kg} \cdot \text{m}^2$ (Pulley balancer system)

●103H3515-7040/103H3515-7070



Sanyo constant current circuit
Source voltage : 24V DC • Winding current : 0.75A/phase
5-phase excitation (Full step)
 $J_{L1}=0.01 \times 10^{-4} \text{kg} \cdot \text{m}^2$ (Pulley balancer system)
 $J_{L2}=0.01 \times 10^{-4} \text{kg} \cdot \text{m}^2$ (Pulley balancer system)