

Technical drawing of the 1000 Series Servo Motor showing front, side, and top views with dimensions.

Front View Dimensions:

- Overall width: 36
- Overall height: 36
- Mounting hole diameter: $4 \sim \phi 3.5$
- Internal hole diameter: $\phi 12_{-0.05}^{+0}$
- Internal hole length: 6 ± 0.2
- Internal hole offset: 12
- Internal hole offset: 15 ± 0.3
- Internal hole offset: $5.5_{-0.1}^{+0}$
- Internal hole offset: $\phi 6_{-0.03}^{+0}$
- Internal hole offset: 7 ± 0.1
- Internal hole offset: 43 ± 0.3

Side View Dimensions:

- Overall width: 0.8
- Overall height: $L \pm 0.4$

Top View Dimensions:

- Overall width: $\phi 13_{-0}^{+0.1}$
- Overall height: $\phi 13_{-0}^{+0.1}$
- Mounting hole diameter: $\phi 3.2$
- Mounting hole pitch: $PCD \phi 19 \sim \phi 25$

unit:mm

外殼材質 Housing material	輸出軸承型式 Bearing at output	徑向負荷 Radial load (10mm from flange)	軸向負荷 Shaft axial load	主軸最大承受壓入力 Shaft press fit force, max.	徑向間隙 Radial play of shaft	軸向間隙 Thrust play of shaft	背隙 (無負荷時) Backlash, at no-load
金屬 Metal	含油軸承 Sleeve bearings	≤ 1 kgf	≤ 0.7 kgf	≤ 20 kgf	≤ 0.05 mm	≤ 0.35 mm	≤ 2°

模數 Module	齒數 No. of teeth	壓力角 Pressure angle	螺旋角 Helix angle	孔徑 (mm) Hole diameter	減速比 Reduction ratio
0.5	10	20 °	--	Ø2.28, Ø3.16	全種通用 Practicable
0.4	12	20 °	18 (Left, 左)	Ø3.16	全種通用 Practicable

減速比 Reduction ratio	1/10	1/15, 1/18	1/25, 1/30, 1/36	1/50, 1/60, 1/75	1/90, 1/100, 1/120, 1/150	1/180, 1/200, 1/250, 1/300	1/360, 1/400, 1/500
定格容許扭力 Rated tolerance torque	1kgf·cm Max.	3kgf·cm Max.	4kgf·cm Max.	5kgf·cm Max.	7kgf·cm Max.	7kgf·cm Max.	7kgf·cm Max.
瞬間容許扭力 Max momentary tolerance torque	3kgf·cm	9kgf·cm	12kgf·cm	15kgf·cm	21kgf·cm	21kgf·cm	21kgf·cm
效率 Efficiency	81%	73%			66%		59%
長度 Length (L)	23.9	26.4			28.9		31.4
重量 Weight (g)	110	116			125		130

●使用溫度範圍：-10°C~+60°C
Operating temperature range