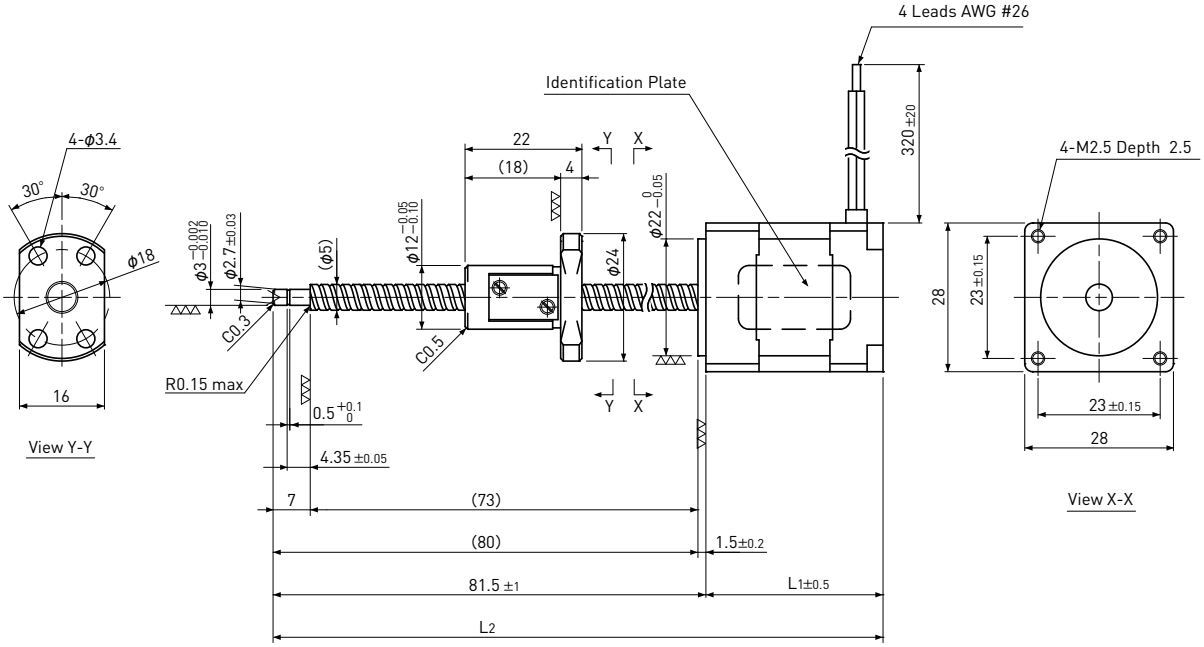
Rolled Ball Screw + 2-phase Stepping Motor

DMBR □28 / NEMA 11

Shaft dia. ϕ5



Unit:mm

Model	Lead	Travel	L_1	L_2	Mass (g)
DMBR0504-11E2110	4	39	33.35	114.85	140
DMBR0504-11E2216	4	39	45	126.5	194

Motor Wire	
A	Red
$\overline{A}$	Red/White
B	Green
$\overline{B}$	Green/White

Recommended Drivers	SD4030B3

Note) Refer to page P161 for connection diagram of recommended Drivers.

Ball Screw Specifications	
Accuracy grade	JIS Ct7
Thread direction	Right
Axial play	Max 0.03mm
Ball Screw material	Chrome-molybdenum steel
Surface hardness	Min. HRC58
Lubricant	KSS original grease MSG No.2

Note) Please contact KSS if different journal profile or length from the above is required.

Motor Specifications		
Motor Model	11E2110	11E2216
Basic step angle	1.8°	
Driving method	2-phase Bi-polar	
Rated Voltage	DC 2.1 V	DC 2.4 V
Rated current	DC 1.0A/phase	DC 1.6A/phase
Winding resistance	2.1Ω	1.5Ω
Holding Torque	0.036Nm	0.052Nm
Rotor inertia	6.7g·cm²	11.5g·cm²
Operating temperature	−10℃~50℃	