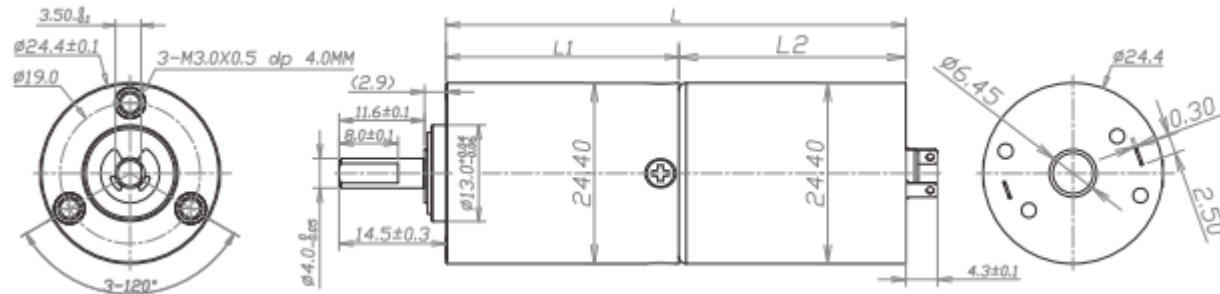


SLPD00024 Gearbox Specification



| | | | | |
|------------------------------------|----------------------|--------------------------------|----------------|----------------------|
| OD | 24mm | Bearing | Porous bearing | Rolling bearing |
| Material | Plastic | Axial end play | ≤0.2mm | ≤0.2mm |
| Rotation Direction | cw& ccw | Radial loading on output shaft | ≤100N | ≤100N |
| Gear backlash | ≤3°C Customizable | Operating Temperature Range | -20°-+85°C | ≤272N |
| Gearbox Stages | 1 | 2 | 3 | 4 |
| Reduction Ratio | 4/6 | 16 /24 /36 | 64/96/144 /216 | 256/384/576/864/1296 |
| Max Rated torque of gearbox(gf.cm) | 15000 | 15000 | 15000 | 15000 |
| Instant torque of gearbox(gf.cm) | 45000 | 45000 | 45000 | 45000 |
| Gearbox efficiency (%) | 80 | 65 | 53 | 47 |
| Gearbox length L1 (mm) | 18.5 | 24.5 | 31.5 | 38.65 |

Technical Drawing



Motor Specifications

| | | | |
|-----------------------|---|-------------|------------------|
| Motor type (optional) | Brushed DC motor, Brushless DC motor, Coreless motor, Stepper motor | Input Speed | ≤ 15000 rpm |
| Voltage(optional) | 3-24V | Current | 300mA max |

| Model | Rated Speed (rpm) | Max Speed (rpm) | Max Rated Torque (gf.cm) | Max instant Torque(gf.cm) | Reduction Ratio | Gearbox Length L1 | Overall Length L |
|---------------|-------------------|-----------------|--------------------------|---------------------------|-----------------|-------------------|------------------|
| SLPD00024-4 | 1150 | 1500 | 15000 | 45000 | 4 | 18.5 | 49.3 |
| SLPD00024-6 | 767 | 100 | 15000 | 45000 | 6 | 24.5 | 55.3 |
| SLPD00024-16 | 288 | 375 | 15000 | 45000 | 16 | | |
| SLPD00024-24 | 192 | 250 | 15000 | 45000 | 24 | | |
| SLPD00024-36 | 128 | 167 | 15000 | 45000 | 36 | 31.5 | 62.3 |
| SLPD00024-64 | 72 | 94 | 15000 | 45000 | 64 | | |
| SLPD00024-96 | 48 | 63 | 15000 | 45000 | 96 | | |
| SLPD00024-144 | 32 | 42 | 15000 | 45000 | 144 | | |

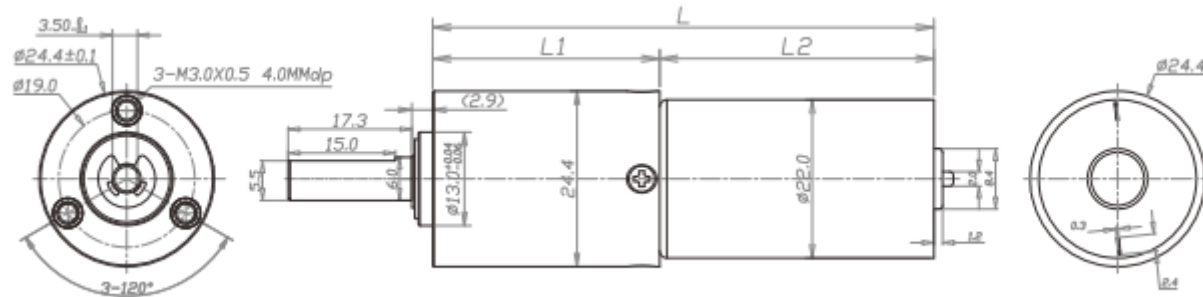
| | | | | | | | |
|----------------|----|----|-------|-------|------|-------|-------|
| SLPD00024-216 | 21 | 38 | 15000 | 45000 | 216 | | |
| SLPD00024-256 | 18 | 23 | 15000 | 45000 | 256 | 38.65 | 69.45 |
| SLPD00024-384 | 12 | 16 | 15000 | 45000 | 384 | | |
| SLPD00024-576 | 8 | 10 | 15000 | 45000 | 576 | | |
| SLPD00024-864 | 5 | 7 | 15000 | 45000 | 864 | | |
| SLPD00024-1296 | 4 | 3 | 15000 | 45000 | 1296 | | |

OEM/ODM is acceptable!

SLMD00024 Gearbox Specifications

| OD | 24mm | Bearing | Porous bearing | Rolling bearing |
|------------------------------------|-------------------|--------------------------------|----------------|----------------------|
| Material | Metal | Axial end play | ≤0.2mm | ≤0.2mm |
| Rotation Direction | cw& ccw | Radial loading on output shaft | ≤100N | ≤100N |
| Gear backlash | ≤2°C customizable | Operating Temperature Range | -30°-+100°C | ≤272N |
| Gearbox Stages | 1 | 2 | 3 | 4 |
| Reduction Ratio | 4/6 | 16 /24 /36 | 64/96/144 /216 | 256/384/576/864/1296 |
| Max Rated torque of gearbox(gf.cm) | 20000 | 20000 | 20000 | 20000 |
| Instant torque of gearbox(gf.cm) | 60000 | 60000 | 60000 | 60000 |
| Gearbox efficiency (%) | 85 | 75 | 65 | 55 |
| Gearbox length L1 (mm) | 19 | 25 | 32 | 39 |

Technical Drawing



Motor Specifications

| | | | |
|-----------------------|---|-------------|-------------------------|
| Motor type (optional) | Brushed DC motor, Brushless DC motor, Coreless motor, Stepper motor | Input Speed | $\leq 15000 \text{rpm}$ |
| Voltage(optional) | 3-24V | Current | 300mA max |

| Model | Rated Speed (rpm) | Max Speed (rpm) | Max Rated Torque(gf.cm) | Max instant Torque(gf.cm) | Reduction Ratio | Gearbox Length | Overall Length |
|--------------|-------------------|-----------------|-------------------------|---------------------------|-----------------|----------------|----------------|
| SLMD00024-4 | 1150 | 1500 | 15000 | 45000 | 4 | 19.0 | 49.8 |
| SLMD00024-6 | 767 | 100 | 15000 | 45000 | 6 | | |
| SLMD00024-16 | 288 | 375 | 15000 | 45000 | 16 | 25.0 | 55.8 |
| SLMD00024-24 | 192 | 250 | 15000 | 45000 | 24 | | |
| SLMD00024-36 | 128 | 167 | 15000 | 45000 | 36 | | |
| SLMD00024-64 | 72 | 94 | 15000 | 45000 | 64 | 32.0 | 62.8 |
| SLMD00024-96 | 48 | 63 | 15000 | 45000 | 96 | | |

| | | | | | | | |
|----------------|----|----|-------|-------|------|------|------|
| SLMD00024-144 | 32 | 42 | 15000 | 45000 | 144 | 39.0 | 69.8 |
| SLMD00024-216 | 21 | 38 | 15000 | 45000 | 216 | | |
| SLMD00024-256 | 18 | 23 | 15000 | 45000 | 256 | | |
| SLMD00024-384 | 12 | 16 | 15000 | 45000 | 384 | | |
| SLMD00024-576 | 8 | 10 | 15000 | 45000 | 576 | | |
| SLMD00024-864 | 5 | 7 | 15000 | 45000 | 864 | | |
| SLMD00024-1296 | 4 | 3 | 15000 | 45000 | 1296 | | |

OEM/ODM is acceptable!