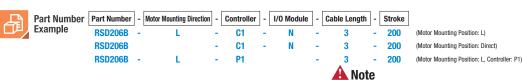
| Part Number | | | | Selection | | | | | | |
|---------------|-----------|----------------------------------|---|------------------------------|------------------------------------|-----------------------------|----------------------------|--|--|--|
| Туре | Lead (mm) | With or w/o Brake (01) | Motor Mounting Position | Controller (¹ 2) | I/O Module | Cable Length (m) | Stroke (mm) | | | |
| RSD2 RSDG2 | 02 | Direct Mount: Leave blank | Point Control: C1 | NPN: N | 1 | | | | | |
| | 06 | None: Leave blank Included: B | Right Side Mount: R Left Side Mount: L | Pulse Control: P1 | PNP: P CC-Link: C | 5 10 (Flexible Cable) | 50~300 (50mm Increment) | | | |
| | 12 | | | (DC24V ±10%) | DeviceNet: D | | | | | |

(O1) Choose "with brake" type for use in vertical applications.

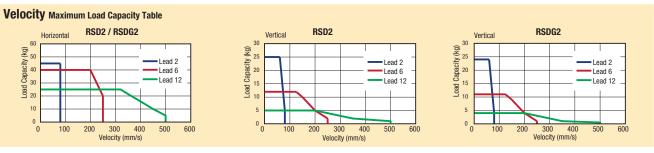
RSD2 / RSDG2

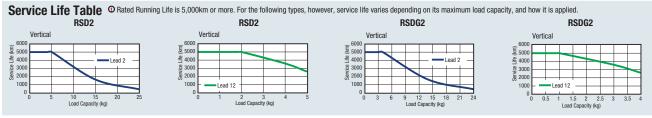
(O2) When the pulse train type controller is selected, the I/O type selection is not required.

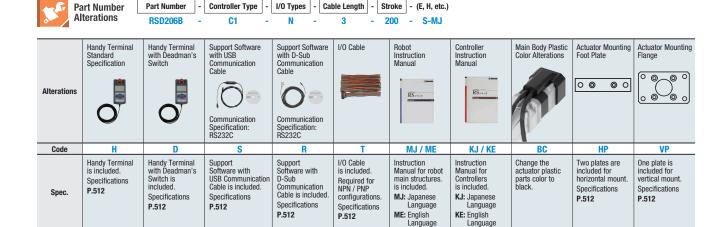
Motor mounting position R and L are not available for RSDG2. Motor mounting position U is not available for RSD2.



Power interruption circuit is not installed in this controller. Please be sure to provide an external power interruption circuit and form an emergency stop circuit. Circuit Examples P.511.







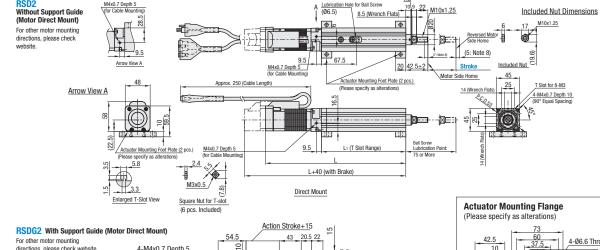
O For optional items, see P.512. O Optional items can be purchased more economically as Alterations than as single items

O Point data requires Handy Terminal or Support Software.

O Parallel Communication I/O Control requires I/O Cable.

| | RSD2 Without Support Guide | | Structural Components: Actuator, Controller, C Accessories | | | | | | |
|---|---|--|---|--------------------|----------------------------|------------------------------|----------|-----------------------|-----------------------|
| ı | MSDZ without Support Guide | Nobuz with Support Guide | | | Contr | ontroller I/O Specifications | | | |
| ı | <u>k</u> | | Accessories | NPN / PNP | CC-I | ink | Net | | |
| | THE RESERVE TO SERVE THE PARTY OF THE PARTY | | | s Ir | nstruction Mani Dummy (| ial on CD-F connector, | | | or, |
| ı | | | | _ | CC-Link C | Connector | | DeviceNet Connector | |
| | | | Robot Material / Surface Treatment | | | | | | |
| ı | | | Type | Components | Body | Rods | Cover | Shaft | Ball Bu |
| ı | | | RSD2 | Material | Aluminum | Steel | ABS Resi | n — | |
| ı | · munt | Cable | NODZ | Surface Treatmen | t Acrylic Pain | t — | | | _ |
| ı | olling | | RSDG2 | Material | Aluminum | Steel | ABS Resi | n Steel | Ste |
| ı | | 2 Marine | HODGE | Surface Treatmen | t Acrylic Pain | t — | | | _ |
| ı | Controller | The state of the s | General S | pecifications | | | | | |
| | | | Туре | Ball Screws | Motor | Position Detecto | | Operatin emperatu | |
| | Controller Specification P.510 | Instruction Manual CD-ROM | RSD2 RSDG2 | Ø8 (C10 Rolled) | Stepping | Resolve (Incremen | | 0–40°C, 3 (No Cond | 35–85% F densation |
| ı | | | | · · · · · | | · | | - | |

| Standard Specifications Terminology P.513 | | | | | | | | | | | | | | |
|---|------|------------------------------|------------|---|-------------|--|---------------------|-------------|-------------------------|---------------------------|------------------------|----------|--------|------------|
| Туре | Lead | Positioning Repeatability | | Maximum Load Capacity (kg) Horizontal Vertical Push Force Life ① 1 | Lost Motion | Rod Non-Rotational Accuracy (degrees) | | Stroke | Maximum Velocity 0 2 | Controller Input Power | Maximum Positioning | | | |
| | (mm) | (mm) | Horizontal | RSD2 | RSDG2 | (N) | Life W I | (mm) | RSD2 | RSDG2 | (mm) (i | (mm/sec) | Supply | Points |
| RSD2 | 02 | | ~45 | ~25 | ~24 | 600 | E 000 km or | | | | 50-300 | ~80 | DC24V | |
| | 06 | ±0.02 | ~40 | ~12 | ~11 | 300 | 5,000 km or More | 0.1 or Less | ±1.0 | ±0.05 | | ~250 | | 255 Points |
| RSDG2 | 12 | | ~25 | ~5 | ~4 | 150 | More | | | | (50 Pitch) | ~500 | ±10% | |



| , please check website. | 4-M4x0.7 Depth 5 (For mounting cable) | 7.5 M4x0.7 Dep (For mounting of | oth 5 Cable) 9.5 | 3/.5 490.3 model |
|--------------------------------------|---------------------------------------|----------------------------------|---|---|
| M4 x 0.7 Depth 5 (For mounting ca | 9.5 L1 (T slot range | 42.5 Stroke 10.5 (5) (5) | 135 126 105 30 30 30 30 T slot p | 8-M5 x 0.8 Depth 12 (For mounting user tooling) |
| | 2+40 (With blanc) | Note | 1. Load can be applied applied to rods whe | d only in axial direction. Ensure that no radial en in use. |

| Enlarged T-Slot View | 5.8 | Mounting Nuts (6 pcs. Included) | (3) (S) |
|-------------------------|-----|---------------------------------|---------|
| <u>.</u> 75. | 3.3 | <u> </u> | M3x0.5 |

162.5 212.5 262.5 312.5 362.5 412.5 270.5 320.5 370.5 420.5 470.5 520.5

50 100 150 200

M3x0.5

| (; | <i>31</i> | | | | | |
|-------|-----------|-----|--------|------|-----|-----|
| Tumo | | | Stroke | (mm) | | |
| Type | 50 | 100 | 150 | 200 | 250 | 300 |
| RSD2 | 1.4 | 1.7 | 1.9 | 2.2 | 2.4 | 2.7 |
| RSDG2 | 2.0 | 2.4 | 2.7 | 3.0 | 3.3 | 3.7 |

Note 2. Width Across Flats orientation is not fixed in relation to the base surface.

Note 3. RSD2 drawing illustrates installed Actuator mounting feet.

Note 5. The minimum bending radius of the cable is R30.

Note 4. To ensure straight line travel, please use with Support Guide.

Dimensions

ient midity

1. Vertical travel service life varies depending on load capacity. Please check Service Life Table. 2. Maximum Velocity varies depending on load capacity. Please refer to Velocity — Maximum Load Capacity Table. RSD2 Without Support Guide







| ass (kg) | | | | | | | | | | |
|----------|-----|-----|--------|-----|--|--|--|--|--|--|
| Tuna | | | Stroke | (mm | | | | | | |
| Туре | 50 | 100 | 150 | 2 | | | | | | |
| RSD2 | 1.4 | 1.7 | 1.9 | | | | | | | |
| RSDG2 | 2.0 | 2.4 | 2.7 | | | | | | | |

Note 6. Clamp the cables to avoid loads.

There's more on the web: misumiusa.com

The mass of "With Brake" Type is 0.2 kg heavier.