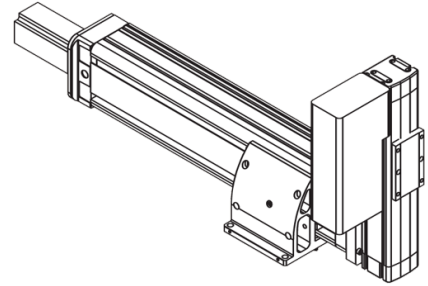


NSK-RC-MS - XY Table

FEATURES

- **Motorless Design**
- **X-Axis Stroke Length: 250-550mm**
- **Y-Axis Stroke Length: 100-200mm**
- **Payload up to 8kg**
- **Screw Leads: 10 or 20mm**
- **Combine Any X and Y Axis**
- **NEMA and Metric Motor Compatible**
- **Fully Covered Aluminum Casing with Belts to Eliminate Contaminates**
- **Optional Limit Sensor, Module Mounting Plates, and Motor Mounting Kits**

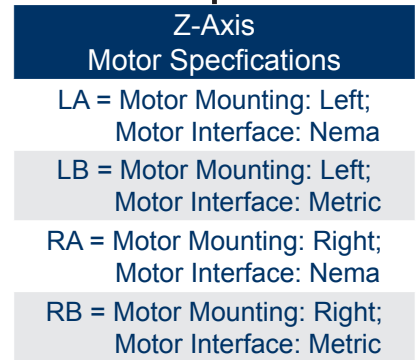
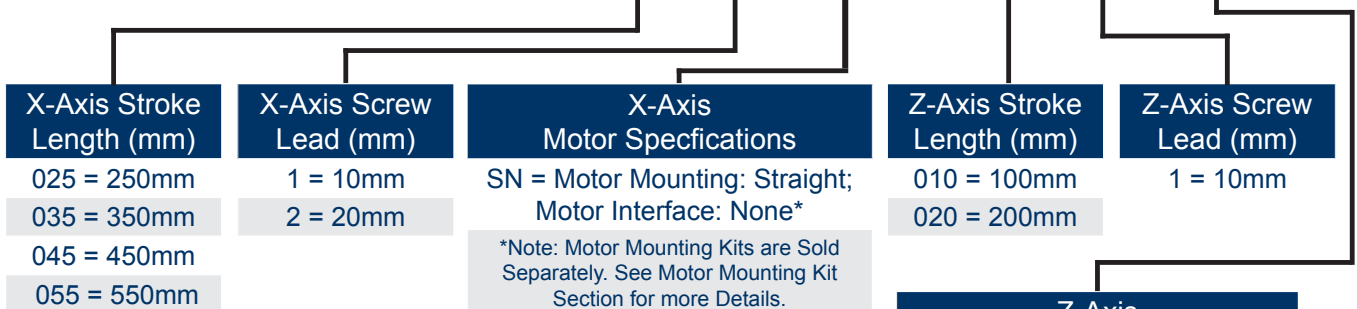


DESCRIPTION

Anaheim Automation offers a line of top-quality XY Tables, supplied by one of the industry's leading manufacturers, NSK. These XY tables offer high precision, unsurpassed performance, and maintenance-free operation for as long as 5 years or 50,000km. The NSK-RC-MS series is offered in X-Axis stroke lengths up to 550mm and Z-Axis stroke lengths up to 200mm, with payloads up to 8kg (stroke length and acceleration dependent). The X-Axis is mounted on its side via the carriage, with a Z-Axis mounted vertically via the base plate, with either a right or left "S" slide. Screw leads are available in 10 and 20mm; optional sensor kits, module mounting plates, and motor mounting kits are available as customization options. Anaheim Automation is happy to assist in the selection, installation, and troubleshooting of these XY tables; contact one of our Applications Engineers for information.

ORDERING INFORMATION

NSK-RC-MS-0251-SN-0101-RA

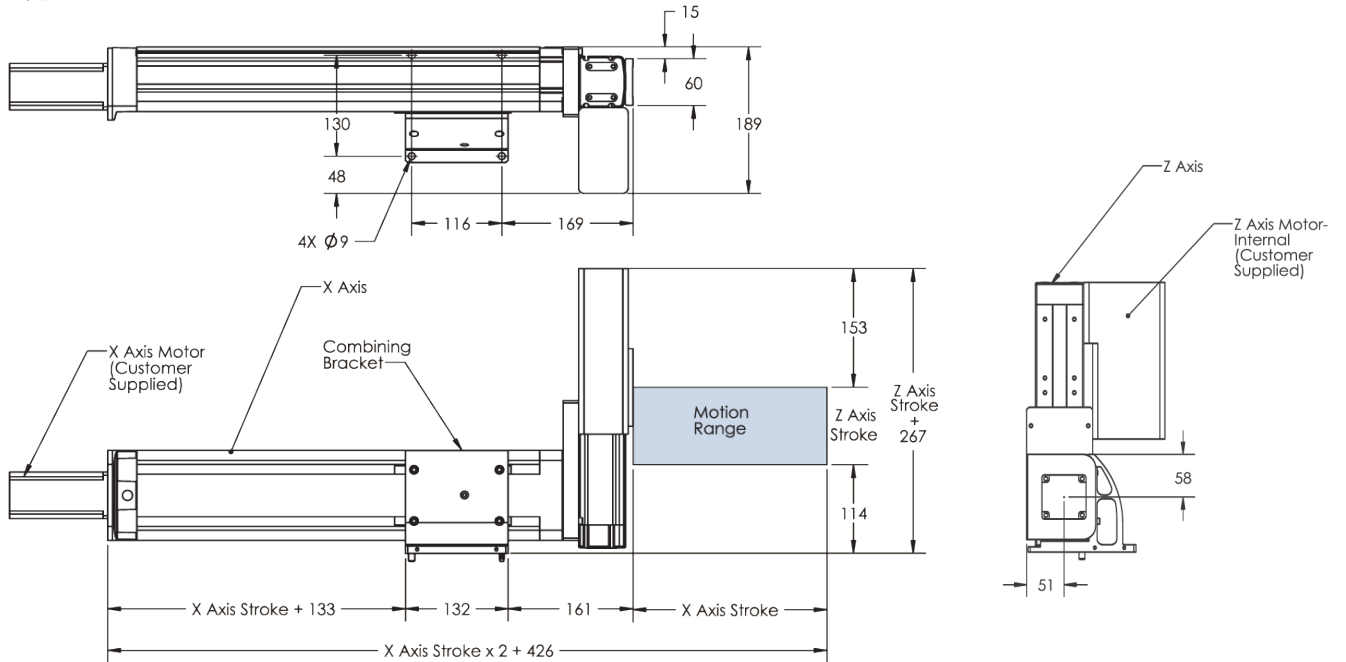


***Note: Motor Mounting Kits are sold separately.**
Please refer to the Motor Mounting Kits section for mounting kit part numbers.

*Note: Motor Mounting Kit Included with Either Option for the Z-Axis

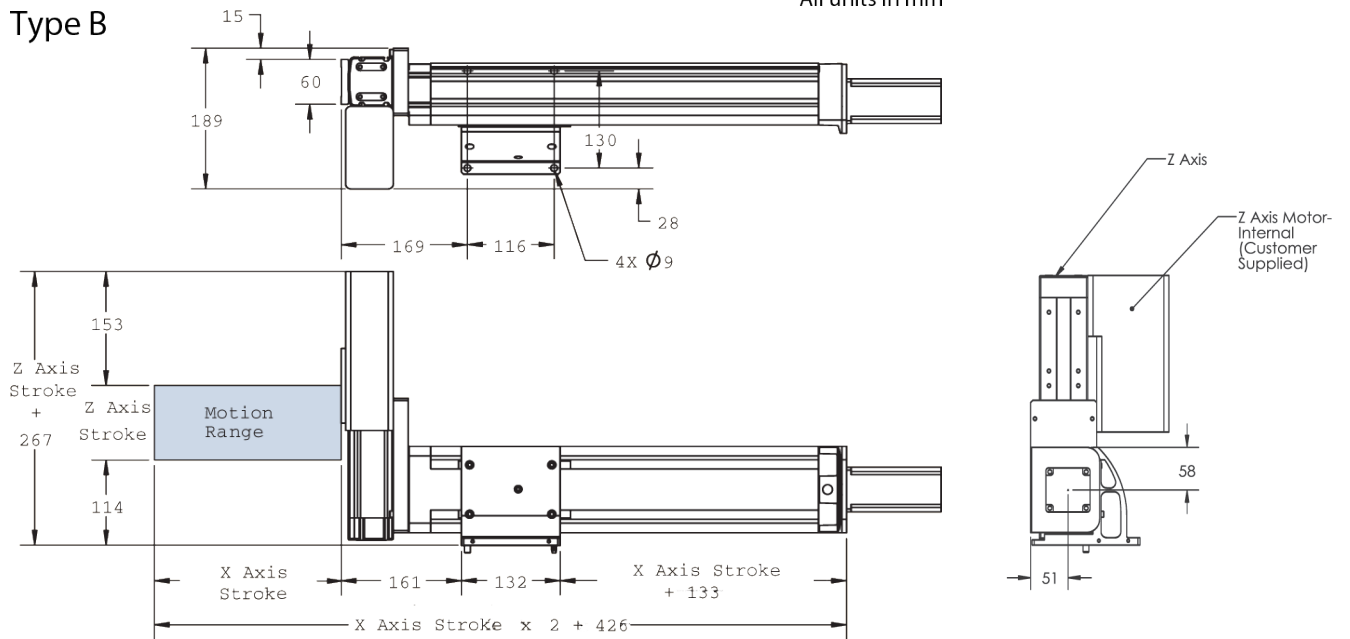
L011115

Type A



All units in mm

Type B

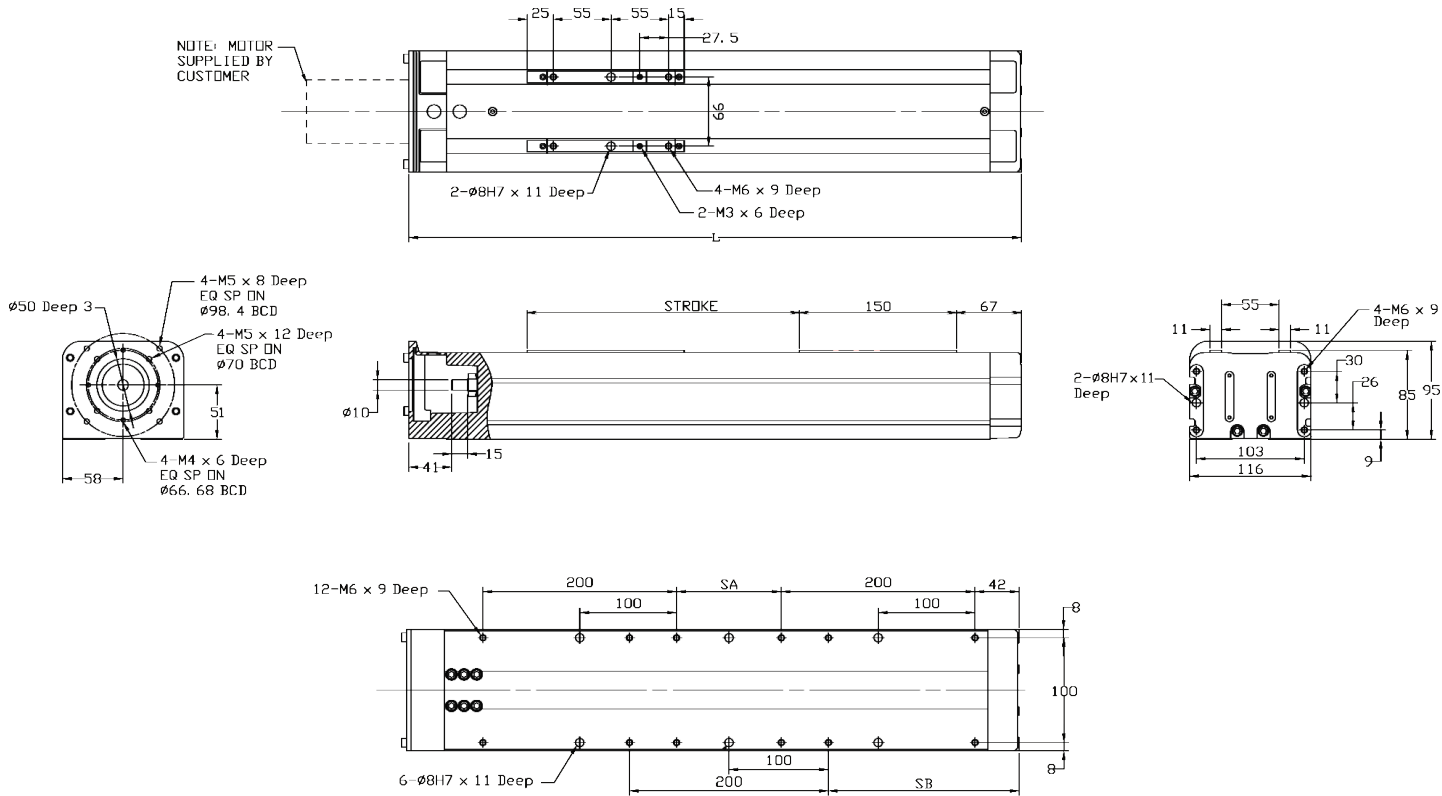


All units in mm

Transportable Mass Table (kg)

| Z-Axis Stroke (mm) | Acceleration (m/s ²) | X-Axis Stroke Length (mm) | | | |
|--------------------|----------------------------------|---------------------------|-----|-----|-----|
| | | 250 | 350 | 450 | 550 |
| 100 | 3.9 | 8 | 8 | 8 | 5.4 |
| | 4.9 | 8 | 8 | 5.4 | 2.4 |
| 200 | 3.9 | 8 | 8 | 7 | 4.7 |
| | 4.9 | 8 | 8 | 4.7 | 1.7 |

| Linear Guide Moment Capacities ² | | |
|---|----------------------|--------------------|
| Rolling Moment (Nm) | Pitching Moment (Nm) | Yawing Moment (Nm) |
| 70 | 120 | 120 |

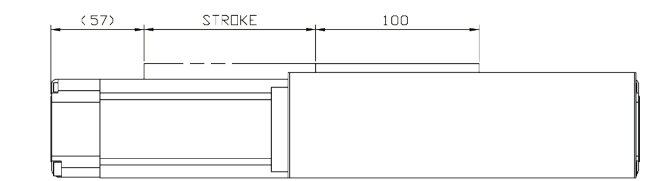
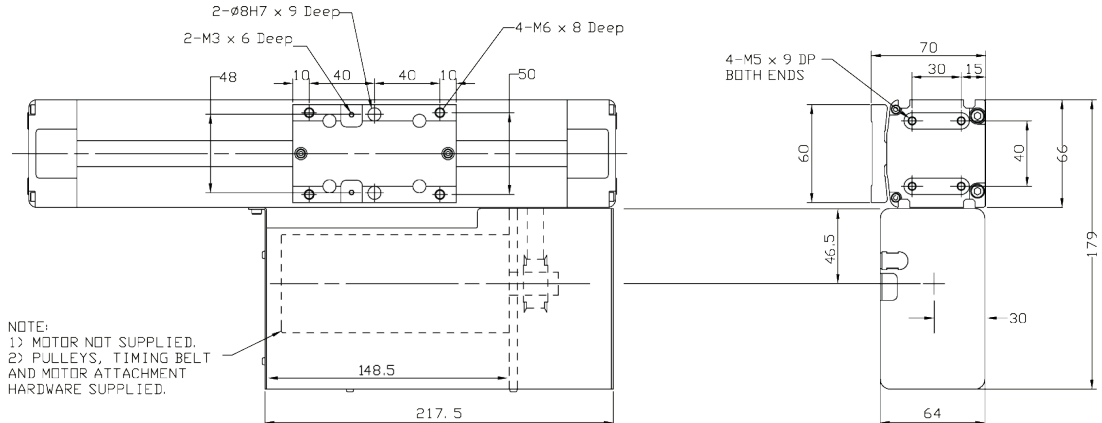


Note: Maximum input torque is 3.8 N-m

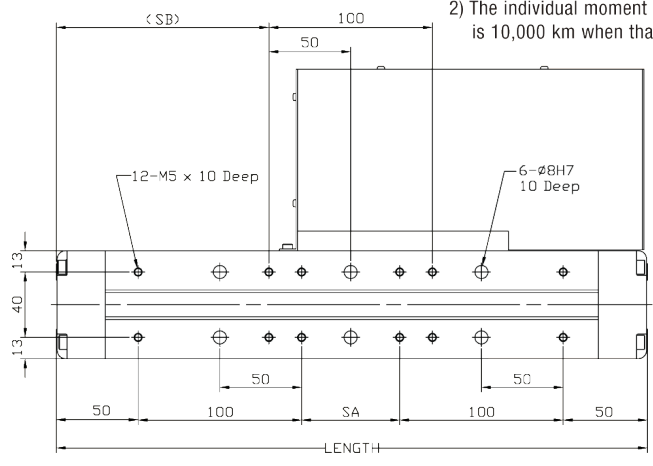
- 1) If your payload exceeds listed value call NSK.
- 2) The individual moment capacities are defined as the value at which the fatigue life is 10,000 km when that moment acts continuously on the linear guide.

| RM MODULE DIMENSIONS | | | | | | |
|----------------------|----------------|-----|-----|-----|------|------|
| | STROKE LENGTHS | | | | | |
| | 250 | 350 | 450 | 550 | 750 | 950 |
| SA | 70 | 170 | 270 | 370 | 570 | 770 |
| SB | 177 | 227 | 277 | 327 | 427 | 527 |
| L | 586 | 686 | 786 | 886 | 1086 | 1286 |

| Linear Guide Moment Capacities ² | | |
|---|----------------------|--------------------|
| Rolling Moment (Nm) | Pitching Moment (Nm) | Yawing Moment (Nm) |
| 32 | 24 | 24 |



Note: Maximum input torque is 1.9 N-m
 1) If your payload exceeds listed value call NSK.
 2) The individual moment capacities are defined as the value at which the fatigue life is 10,000 km when that moment acts continuously on the linear guide.



| RS MODULE DIMENSIONS | | | | | |
|----------------------|----------------|-----|-----|-----|-----|
| | STROKE LENGTHS | | | | |
| | 100 | 200 | 300 | 400 | 500 |
| SA | 60 | 160 | 260 | 360 | 460 |
| SB | 130 | 180 | 230 | 280 | 330 |
| L | 360 | 460 | 560 | 660 | 760 |

Motor Mounting Kits

Note: The Z-Axis Module comes pre-installed with a Metric or NEMA motor mount based on Z-Axis Motor Specifications. See Ordering Information Section.

Z-AXIS MODULE



NSK-XY-P5584RM - 60mm Frame Metric Motor Mounting Kit

- 60mm Frame Metric Motor Plate
- 60mm Frame Metric Motor Mounting Nut Plate
- Motor Shaft Pulley, 14mm ID
- Timing Belt
- Qty 4, M5 x 14 Socket Head Cap Screw

NSK-XY-P5585RM - NEMA 23 Motor Mounting Kit

- NEMA 23 Motor Plate
- NEMA 23 Motor Mounting Nut Plate
- Motor Shaft Pulley, 1/4" ID, 3/8" ID
- Timing Belt
- Qty 4, M4 x 14 Socket Head Cap Screw

Note: The X-Axis Module does not come installed with a Metric or NEMA motor mount based on X-Axis Motor Specifications. Choose from of the options below.

X-AXIS MODULE

NSK-XY-P5586RM - NEMA 23 1/4" Motor Kit

- NEMA 23 Motor Adapter Ring
- Jaw Type Shaft Coupling, 10mm x 1/4" x 47.6mm
- Disk Type Shaft Coupling, 10mm x 1/4" x 44.5mm
- Qty 4, M4 x 8 Socket Head Cap Screw

NSK-XY-P5718RM - NEMA 34 1/2" Motor Kit

- NEMA 34 Motor Adapter Ring
- Jaw Type Shaft Coupling, 10mm x 1/2" x 47.6mm
- Disk Type Shaft Coupling, 10mm x 1/2" x 44.5mm
- Qty 4, M5 x 16 Socket Head Cap Screw

NSK-XY-P5587RM - NEMA 34 3/8" Motor Kit

- NEMA 34 Motor Adapter Ring
- Jaw Type Shaft Coupling, 10mm x 3/8" x 47.6mm
- Disk Type Shaft Coupling, 10mm x 3/8" x 44.5mm
- Qty 4, M5 x 16 Socket Head Cap Screw

NSK-XY-P5717RM - NEMA 23 3/8" Motor Kit

- NEMA 23 Motor Adapter Ring
- Jaw Type Shaft Coupling, 10mm x 3/8" x 47.6mm
- Disk Type Shaft Coupling, 10mm x 3/8" x 44.5mm
- Qty 4, M4 x 8 Socket Head Cap Screw

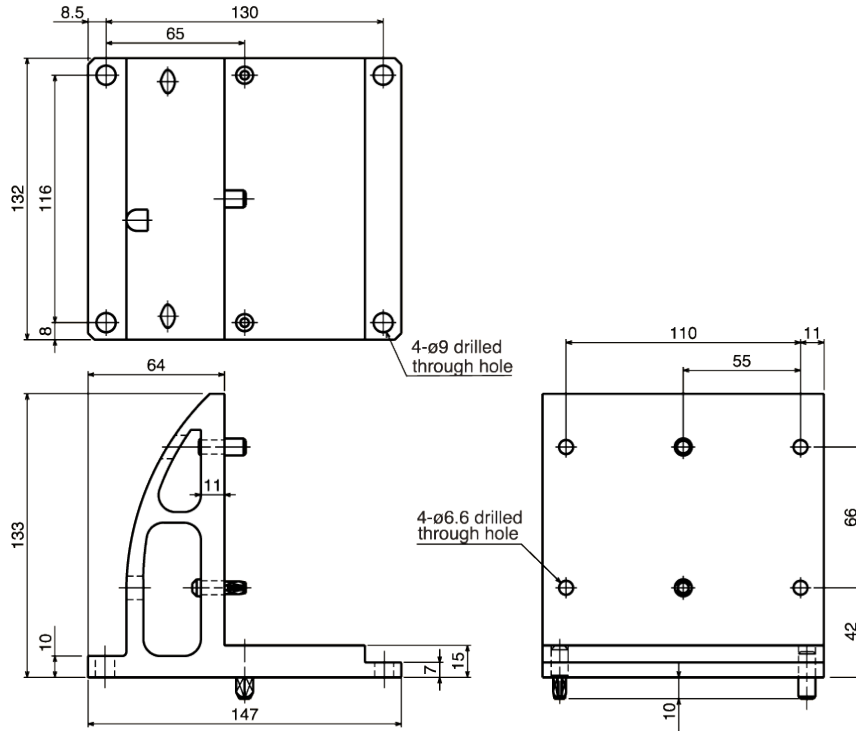
NSK-XY-P5588RM - 60mm Frame Metric Motor Kit

- Jaw Type Shaft Coupling, 10mm x 14mm x 47.6mm
- Disk Type Shaft Coupling, 10mm x 14mm x 44.5mm
- Qty 4, M5 x 16 Socket Head Cap Screw

Combining Brackets

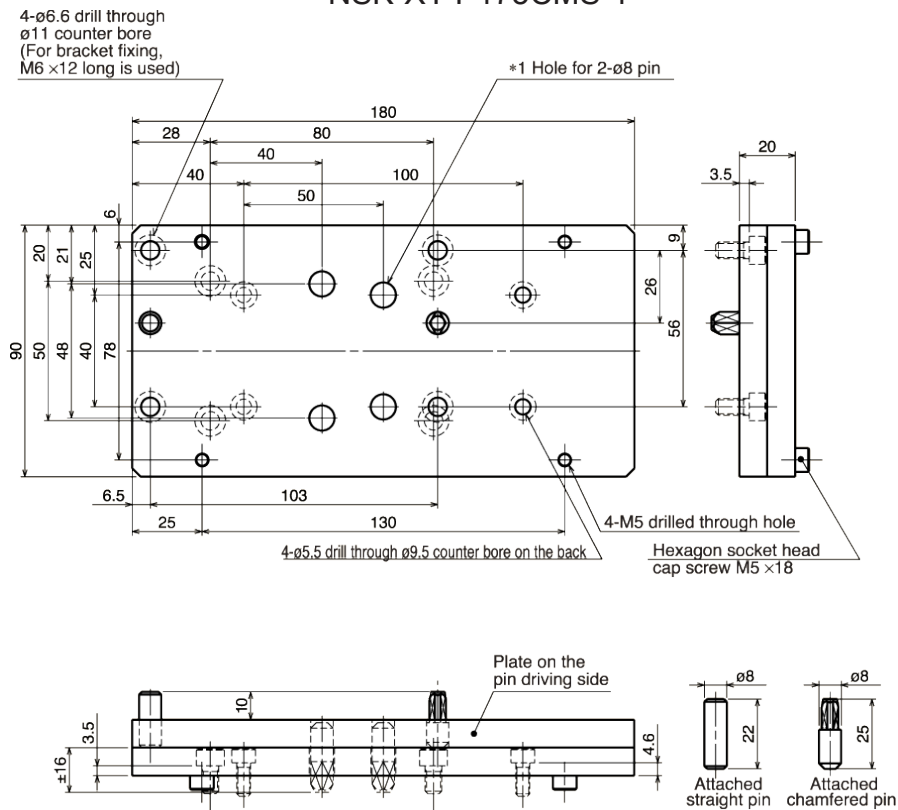
COMBINING BRACKETS

NSK-XY-P175XHM-1



About 1.4kg

NSK-XY-P175CMS-1



Accessories: Limit Sensor Kit & Square Nut

ACCESSORIES

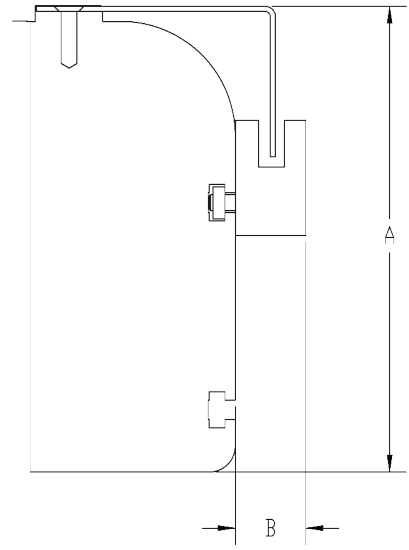


Limit Sensor Kit:

RM Module: NSK-XY-L3543RM

RS Module: NSK-XY-L3544RM

- Qty 1 - Module Limit Sensor Flag (S or M)
- Qty 3 - Limit Sensor (Omron EE-SX672A)
- Qty 3 - Limit Sensor Cable with Connector, 2m long (Omron EE-1010-R2M)
- Qty 3 - Limit Sensor T-Slot
- Qty 6 - M3 x 8 Socket Head Cap Screw
- Qty 1 - M3 x 6 Flat Head Screw



| MODULE CROSS SECTION | | |
|----------------------|-------------|-------------|
| | Dimension A | Dimension B |
| RS MODULE | 70mm | 14mm |
| RM MODULE | 85mm | 14mm |

Square Nut:

NSK-XY-P170M3-1

- This nut is used to secure accessories to the side of the module
- Nuts are supplied in sets of 4

