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Find the *NSK XY-HRS020ZH212* at our website: *Click HERE*

ROBOT MODULE™ MR SERIES

High precision motor ready linear system adaptable to common motor sizes including NEMA 23, 34 and 60mm metric frame motors.



SUBSCRIBE TO NSK NEWSLETTER

QUICK REFERENCE



RS Module
Pages 12 & 13



RM Module
Page 15



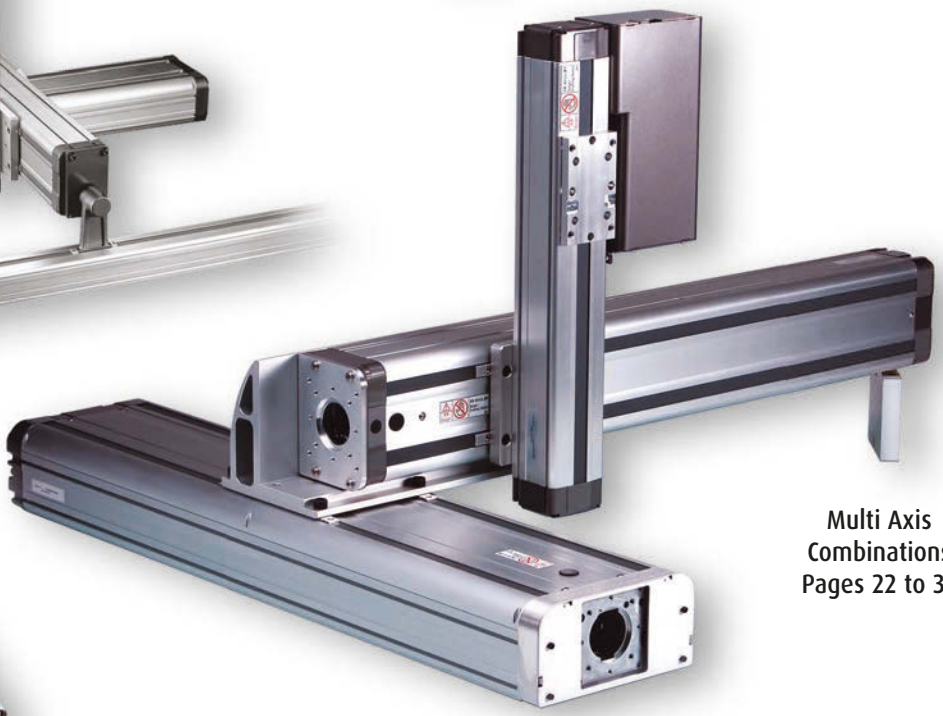
Combining Brackets
Pages 38 to 40



RH Module
including extended stroke
Pages 16 & 17



Support Slide
Pages 36 & 37



Multi Axis
Combinations
Pages 22 to 35



Motor Mounting Kit
Pages 18 & 19

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- Combination type: RG-HM 24
- Combination type: RD-MS 26
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Square nut for module t-slots 43

GENERAL, FEATURES, MODULE CONSTRUCTION AND CAD DOWNLOADS

GENERAL

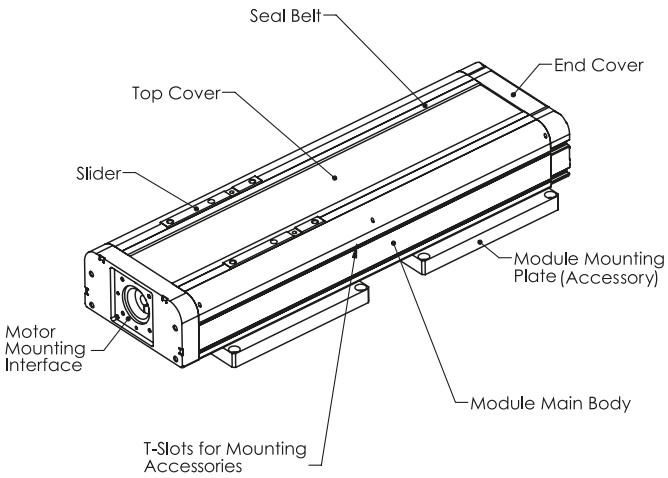
Robot Modules are complete linear axis high precision systems for semiconductor, electronic, medical and automated assembly and production applications. High-quality NSK Linear Guides, NSK Ball Screws and NSK Monocarriers ensure high level of mechanical reliability and U.S. manufacturing results in faster product delivery. NSK offers this sophisticated technology in an ergonomic design enclosed in an aluminum housing. The motorless design of these Robot Modules allows users the flexibility to choose their preferred motors when designing new systems or automating existing processes.

FEATURES

Utilization of NSK Robot Modules provides the following advantages:

- NSK components ensure high mechanical reliability of each axis resulting in systems with high rigidity, long life and smooth motion.
- Reduced time and labor costs associated with a pre-assembled axis.
- 3 different types available - RS (small), RM (medium) and RH (heavy) to meet application stroke and payload requirements.
- Standard patented K1™ Lubrication Units on the NSK Ball Screws, Linear Guides and Monocarriers provide maintenance-free operation up to 10,000 km or 5 years.
- Combination brackets are available for attaching individual Robot Modules together into two- or three-axes configurations.
- Module Mounting Plates are available for attaching Robot Modules to your machine.
- Motor Mounting Kits are available for 60mm metric frame, NEMA 23 and NEMA 34 motor interfaces.
- Optional Stroke Limit and Home Position sensor kits.
- Motorless design offers user flexibility for motors of choice.
- Most Robot Modules sizes available from stock.
- Equipped with seal belt for dust proofing.

Module Construction



SolidComponents™

CAD DATA DOWNLOADS

NSK has partnered with SolidComponents™ to offer you easy access to CAD files and technical information. Visit SolidComponents (http://npa.solidcomponents.com) to download CAD files and technical information.



Multi Axis Combinations
(Pages 22 to 35)



RS Module
(Pages 12 & 13)



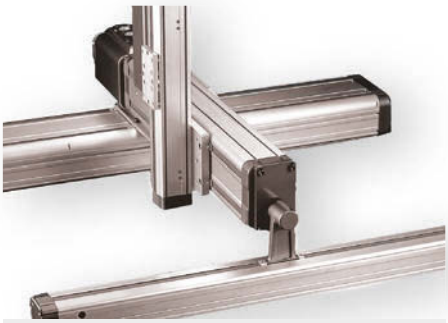
RM Module
(Page 15)



RH Module
(Pages 16 & 17)



Motor Mounting Kit
(Pages 18 & 19)



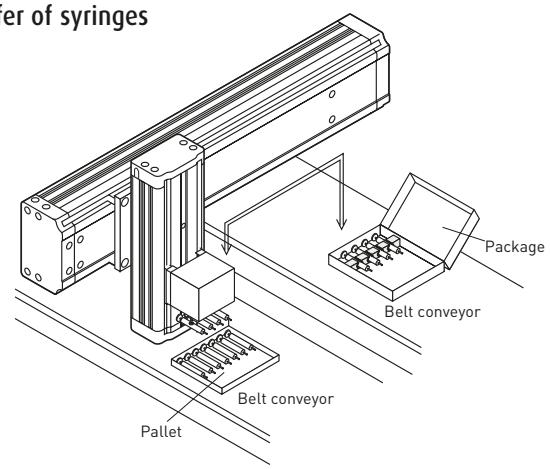
Support Slide
(Pages 36 & 37)



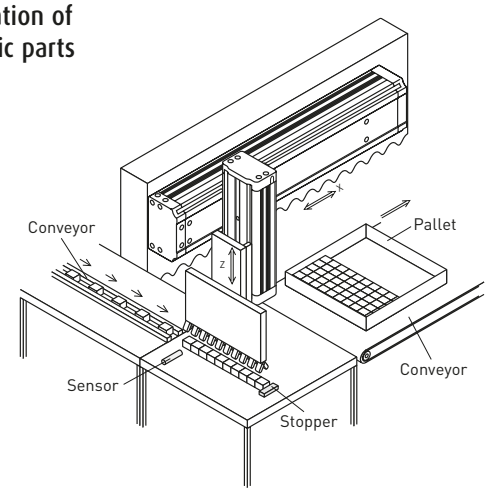
Combining Brackets
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APPLICATION EXAMPLES

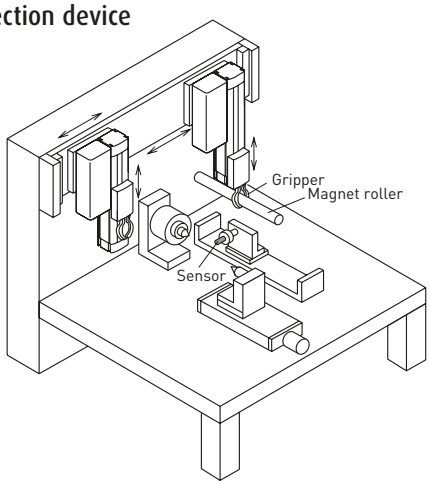
1 – Transfer of syringes



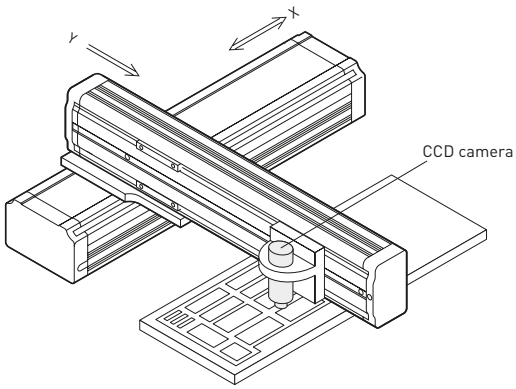
2 – Palletization of electronic parts



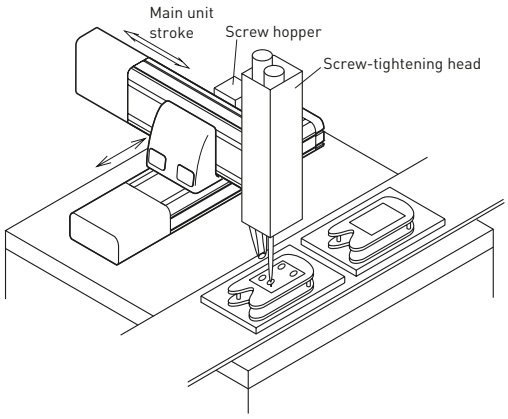
3 – Loader/unloader for inspection device



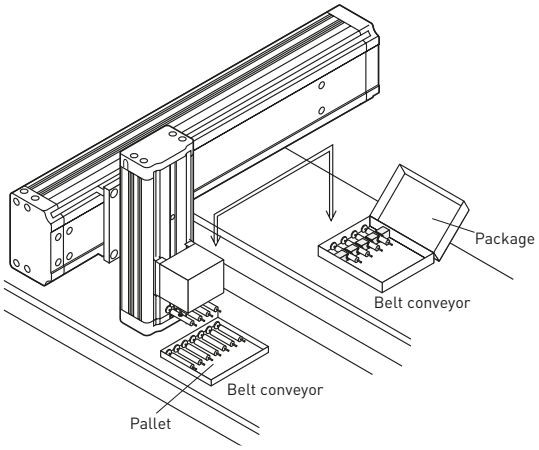
4 – Loader/unloader for inspection device



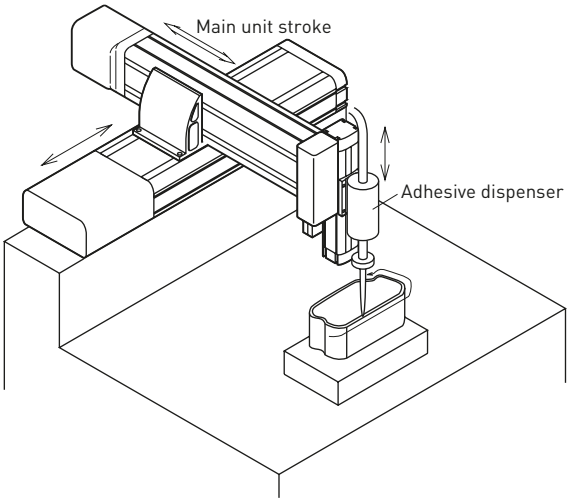
5 – Screw-tightening machine in assembly line



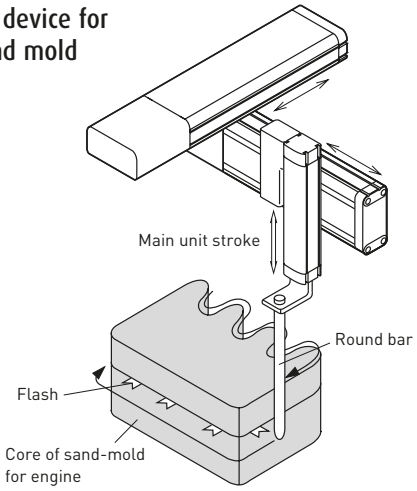
6 – Work feed in stamping machine



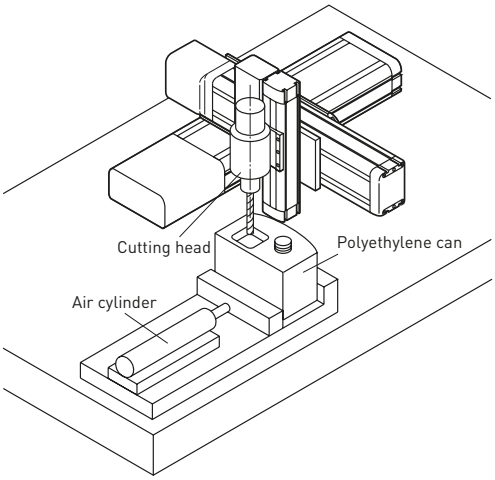
7 – Automobile taillight bonding



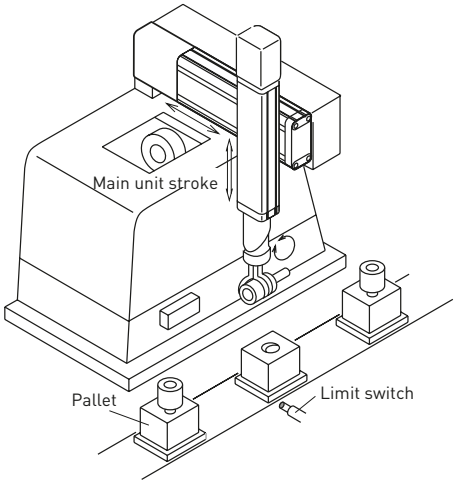
8 – Deflashing device for core of sand mold



9 – Polyethylene can processing machine

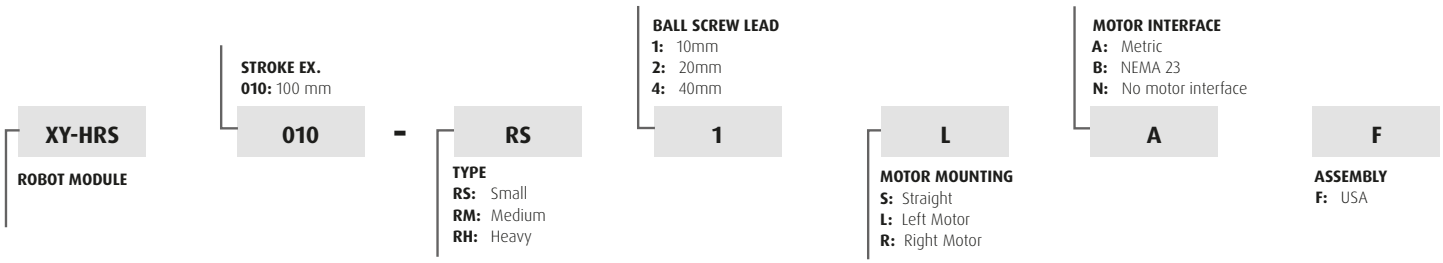


10 – Parts loader/unloader for processing machinery



REFERENCE NUMBERS

The reference number for the Robot Module is composed of the basic specifications of the unit.



RS Module ordering directions

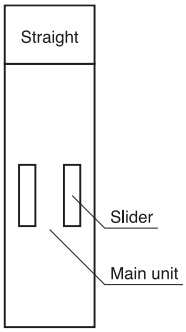
The RS Module is delivered with right or left motor mounts pre-assembled. It is not available in a straight motor mount configuration or with no motor mount attached. The RS Modules are available with metric or NEMA 23 motor mounting hole patterns.

RH and RM Module ordering directions

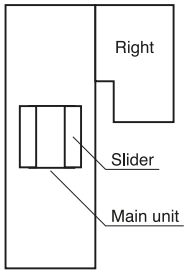
Both the modules and motor mounting kits are purchased separately. Motor mounting kits for the RM and RH modules are available with metric, NEMA 23 or NEMA 34 motor mounting hole patterns.

MOTOR MOUNTING POSITIONS

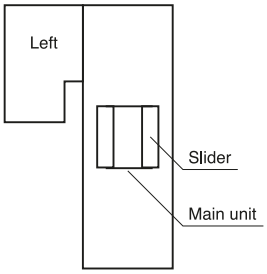
Straight Motor



Right Motor



Left Motor



List of Modules

Robot Module	Stroke (mm)																Ball Screw Lead	Payload, kg[1]		Linear Guide Moment Capacities Nm[2]		
																		Horizontal	Vertical	Rolling	Pitching	Yawing
RS Type	100	200		300		400		500									10mm	20	20	32	24	24
RM Type			250		350		450			750		950					10mm	40	40	70	120	120
RM Type			250		350		450			750		950					20mm	40	20	70	120	120
RH Type				300		400		500	600		800		1000				10mm	200	40	600	450	400
RH Type				300		400		500	600		800		1000	1200	1400	1600	1800	2000	20mm	80	20	600	450	400
RH Type														1200	1400	1600	1800	2000	40mm	80	20	600	450	400

Notes:
1) If your payload exceeds listed value contact 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.

SINGLE AXIS SELECTION

RS Module - Left Motor Mount

Reference Number	Motor Mounting Kit	Module Mounting Plate	Limit Sensor Kit	Square Nut
XY-HRS010-RS1LAF	Pre-installed	XY-P170S-2	XY-L3544RM	XY-P170M3-1
XY-HRS020-RS1LAF				
XY-HRS030-RS1LAF				
XY-HRS040-RS1LAF				
XY-HRS050-RS1LAF				
XY-HRS010-RS1LBF				
XY-HRS020-RS1LBF				
XY-HRS030-RS1LBF				
XY-HRS040-RS1LBF				
XY-HRS050-RS1LBF				

RS Module - Right Motor Mount

Reference Number	Motor Mounting Kit	Module Mounting Plate	Limit Sensor Kit	Square Nut
XY-HRS010-RS1RAF	Pre-installed	XY-P170S-2	XY-L3544RM	XY-P170M3-1
XY-HRS020-RS1RAF				
XY-HRS030-RS1RAF				
XY-HRS040-RS1RAF				
XY-HRS050-RS1RAF				
XY-HRS010-RS1RBF				
XY-HRS020-RS1RBF				
XY-HRS030-RS1RBF				
XY-HRS040-RS1RBF				
XY-HRS050-RS1RBF				

RM Module - Straight Motor Mount

Reference Number	Motor Mounting Kit	Module Mounting Plate	Limit Sensor Kit	Square Nut
XY-HRS025-RM1SNF	XY-P5586RM (NEMA 23-1/4" shaft) or XY-P5587RM (NEMA 34-3/8" shaft) or XY-P5588RM (Metric) or XY-P5717RM (NEMA 23-3/8" shaft) or XY-P5718RM (NEMA 34-1/2" shaft)	XY-P170M-1	XY-L3543RM	XY-P170M3-1
XY-HRS025-RM2SNF				
XY-HRS035-RM1SNF				
XY-HRS035-RM2SNF				
XY-HRS045-RM1SNF				
XY-HRS045-RM2SNF				
XY-HRS055-RM1SNF				
XY-HRS055-RM2SNF				
XY-HRS075-RM1SNF				
XY-HRS075-RM2SNF				
XY-HRS095-RM1SNF				
XY-HRS095-RM2SNF				

RH Module - Straight Motor Mount, Stroke ≤ 1000mm

Reference Number	Motor Mounting Kit	Module Mounting Plate	Limit Sensor Kit	Square Nut
XY-HRS030-RH1SNF	XY-P5586RM (NEMA 23-1/4" shaft) or XY-P5587RM (NEMA 34-3/8" shaft) or XY-P5588RM (Metric) or XY-P5717RM (NEMA 23-3/8" shaft) or XY-P5718RM (NEMA 34-1/2" shaft)	XY-P170H-1	XY-L3542RM	XY-P170M3-1
XY-HRS030-RH2SNF				
XY-HRS040-RH1SNF				
XY-HRS040-RH2SNF				
XY-HRS050-RH1SNF				
XY-HRS050-RH2SNF				
XY-HRS060-RH1SNF				
XY-HRS060-RH2SNF				
XY-HRS080-RH1SNF				
XY-HRS080-RH2SNF				
XY-HRS100-RH1SNF				
XY-HRS100-RH2SN				

RH Module - Left and Right Motor Mount, Stroke > 1200mm

Reference Number	Motor Mounting Kit	Module Mounting Plate	Limit Sensor Kit	Square Nut
XY-HRS120-RH2SNF	XY-P5743RM NEMA 23, 1:1 or XY-P5744RM NEMA 23, 2:1 or XY-P5745RM NEMA 34, 1:1 or XY-P5746RM NEMA 34, 2:1 or XY-P5747RM Metric, 1:1 or XY-P5748RM Metric, 2:1	XY-P170H-1	XY-L3542RM	XY-P170M3-1
XY-HRS120-RH4SNF				
XY-HRS140-RH2SNF				
XY-HRS140-RH4SNF				
XY-HRS160-RH2SNF				
XY-HRS160-RH4SNF				
XY-HRS180-RH2SNF				
XY-HRS180-RH4SNF				
XY-HRS200-RH2SNF				
XY-HRS200-RH4SNF				

RS MODULE - LEFT MOTOR MOUNT

XY-HRS	010	-	RS	1	L	A	F

STROKE EX.
010: 100 mm

BALL SCREW LEAD
1: 10mm

MOTOR INTERFACE
A: Metric
B: NEMA 23

TYPE
RS: Small

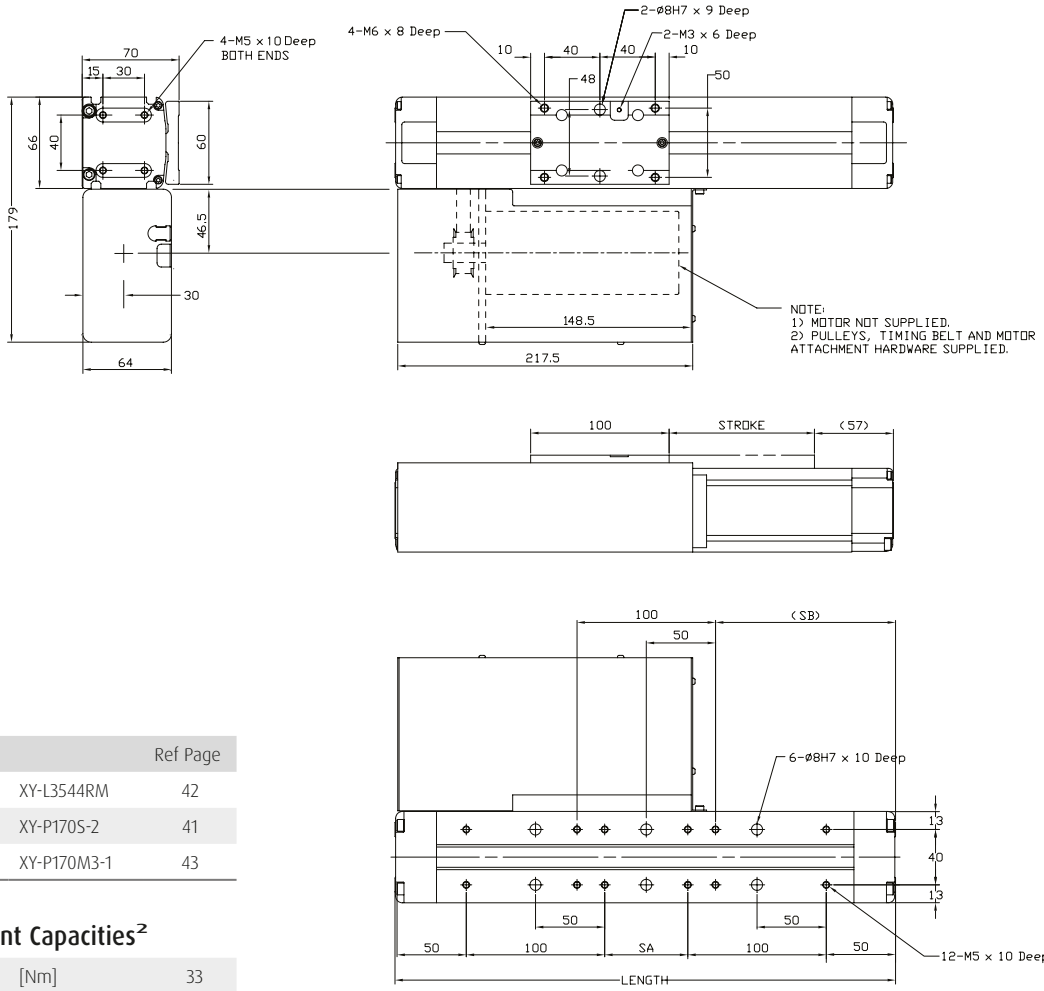
MOTOR MOUNTING
L: Left Motor

ASSEMBLY
F: USA



Note: Reference number designates modules with motor mounting kit.

Reference Number	Nominal Stroke, mm	Stroke Limit +/- 2mm	Ballscrew Lead, mm	L mm	SA mm	SB mm	Speed Max mm/s	Inertia kg-m²	Breakaway Torque, N-m	Mass kg	Payload, kg[1]		Backlash, mm
											Horiz	Vert	
XY-HRS010-RS1L*F	100	110		360	60	130	972	1.58E-05		4.9	20	20	
XY-HRS020-RS1L*F	200	210		460	160	180	972	1.74E-05		5.5	20	20	
XY-HRS030-RS1L*F	300	310	10	560	260	230	972	1.90E-05	0.07	6.2	20	20	0.02
XY-HRS040-RS1L*F	400	410		660	360	280	972	2.06E-05		6.8	20	20	
XY-HRS050-RS1L*F	500	510		760	460	330	725	2.22E-05		7.5	20	20	



Options

		Ref Page
Limit Sensor Kit	XY-L3544RM	42
Module Mounting Plate	XY-P170S-2	41
Square Nut	XY-P170M3-1	43

Linear Guide Moment Capacities[2]

Rolling Moment	[Nm]	33
Pitching Moment	[Nm]	25
Yawing Moment	[Nm]	25

Note: Maximum input torque is 1.9 N-m
1) If your payload exceeds listed value contact 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 - RIGHT MOTOR MOUNT

XY-HRS | **020** - **RS** | **1** | **R** | **B** | **F**

STROKE EX.
020: 200 mm

TYPE
RS: Small

BALL SCREW LEAD
1: 10mm

MOTOR MOUNTING
R: Right Motor

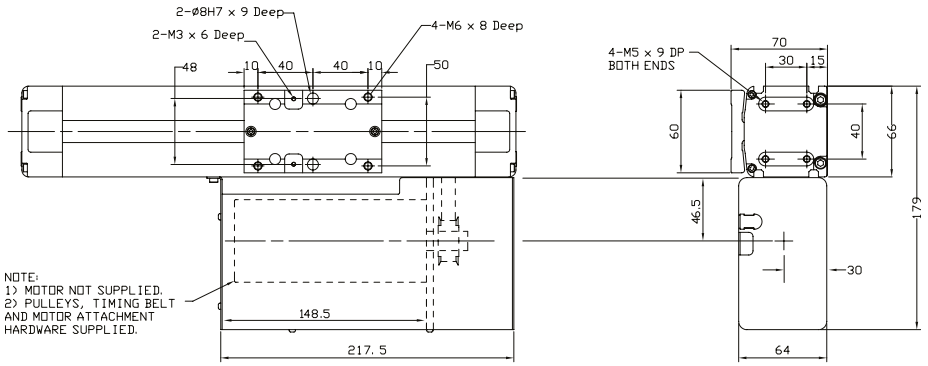
MOTOR INTERFACE
A: Metric
B: NEMA 23

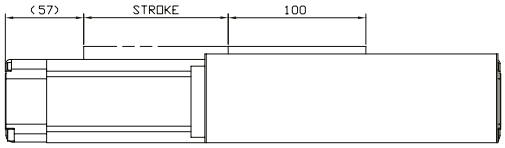
ASSEMBLY
F: USA

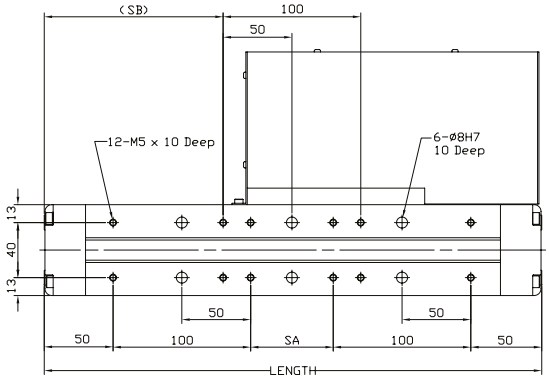


Note: Reference number designates modules with motor mounting kit.

Reference Number	Nominal Stroke, mm	Stroke Limit +/- 2mm	Ballscrew Lead, mm	L mm	SA mm	SB mm	Speed Max mm/s	Inertia kg-m²	Breakaway Torque, N-m	Mass kg	Payload, kg[1]		Backlash, mm
											Horiz	Vert	
XY-HRS010-RS1R*F	100	110		360	60	130	972	1.58E-05		4.9	20	20	
XY-HRS020-RS1R*F	200	210		460	160	180	972	1.74E-05		5.5	20	20	
XY-HRS030-RS1R*F	300	310	10	560	260	230	972	1.90E-05	0.07	6.2	20	20	0.02
XY-HRS040-RS1R*F	400	410		660	360	280	972	2.06E-05		6.8	20	20	
XY-HRS050-RS1R*F	500	510		760	460	330	725	2.22E-05		7.5	20	20	







Note: Maximum input torque is 1.9 N-m
1) If your payload exceeds listed value contact 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.

Options

		Ref Page
Limit Sensor Kit	XY-L3544RM	42
Module Mounting Plate	XY-P170S-2	41
Square Nut	XY-P170M3-1	43

Linear Guide Moment Capacities[2]

Rolling Moment	[Nm]	33
Pitching Moment	[Nm]	25
Yawing Moment	[Nm]	25

NOTES

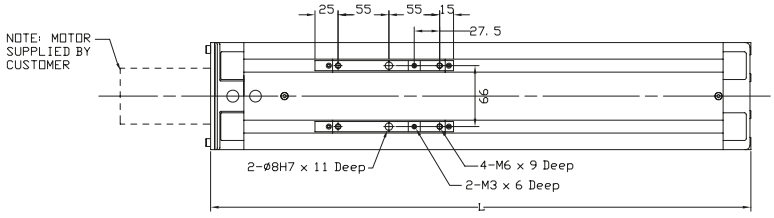
RM MODULE – STRAIGHT MOTOR MOUNT + MOTOR MOUNTING KIT

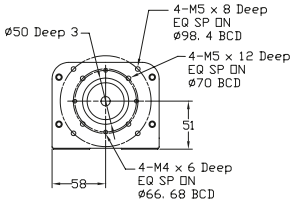
XY-HRS | **025** (STROKE EX. **020:** 250 mm) - **RM** (TYPE **RM:** Medium) | **1** (BALL SCREW LEAD **1:** 10mm **2:** 20 mm) | **S** (MOTOR MOUNTING **S:** Straight) | **N** (MOTOR INTERFACE **N:** No motor interface) | **F** (ASSEMBLY **F:** USA) + **XY - P ****RM**

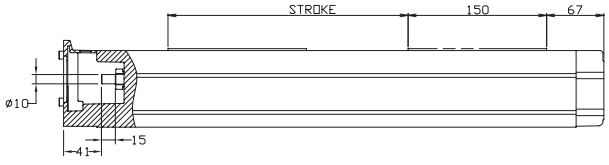
5586: NEMA 23 - 1/4"
5587: NEMA 34 - 3/8"
5588: METRIC
5717: NEMA 23 - 3/8"
5718: NEMA 34 - 1/2"

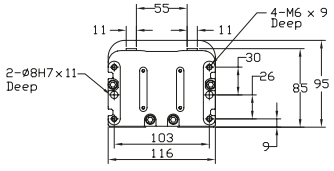


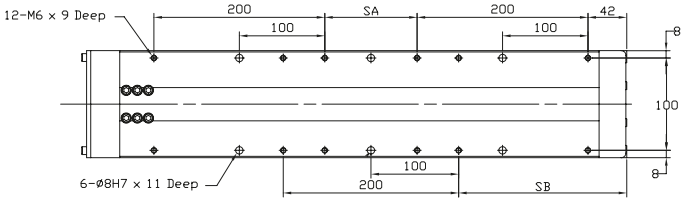
Reference Number	Nominal Stroke, mm	Stroke Limit +/- 2mm	Ballscrew Lead, mm	L mm	SA mm	SB mm	Speed Max mm/s	Inertia kg-m²	Breakaway Torque, N-m	Mass kg	Payload, kg[1] Horiz	Payload, kg[1] Vert	Backlash, mm
XY-HRS025-RM1SNF	250	260	10	586	70	177	778	3.50E-05	0.26	9.5	40	40	0.005
XY-HRS025-RM2SNF			20				1556	4.83E-05	0.39	9.0	40	20	
XY-HRS035-RM1SNF	350	360	10	686	170	227	778	3.89E-05	0.26	10.5	40	40	
XY-HRS035-RM2SNF			20				1556	5.22E-05	0.39	10.0	40	20	
XY-HRS045-RM1SNF	450	460	10	786	270	277	778	4.28E-05	0.26	11.5	40	40	
XY-HRS045-RM2SNF			20				1556	5.61E-05	0.39	11.0	40	20	
XY-HRS055-RM1SNF	550	560	10	886	370	327	778	4.67E-05	0.26	12.5	40	40	
XY-HRS055-RM2SNF			20				1556	6.00E-05	0.39	12.0	40	20	
XY-HRS075-RM1SNF	750	760	10	1086	570	427	650	5.45E-05	0.26	15.5	40	40	
XY-HRS075-RM2SNF			20				1300	6.78E-05	0.39	15.0	40	20	
XY-HRS095-RM1SNF	950	960	10	1286	770	527	583	1.72E-04	0.26	17.5	40	40	
XY-HRS095-RM2SNF			20				1167	1.79E-04	0.39	17.0	40	20	











Motor Mounting Kits

		Ref Page
NEMA 23 - 1/4" shaft	XY-P5586RM	18
NEMA 23 - 3/8" shaft	XY-P5717RM	18
NEMA 34 - 3/8" shaft	XY-P5587RM	18
NEMA 34 - 1/2" shaft	XY-P5718RM	19
60mm Frame Metric Motor Kit	XY-P5588RM	19

Options

		Ref Page
Limit Sensor Kit	XY-L3543RM	42
Module Mounting Plate	XY-P170M-1	41
Square Nut	XY-P170M3-1	43

Linear Guide Moment Capacities[2]

Rolling Moment	[Nm]	70
Pitching Moment	[Nm]	120
Yawing Moment	[Nm]	120

Note: Maximum input torque is 3.8 N-m
1) If your payload exceeds listed value contact 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.

RH MODULE – STRAIGHT MOTOR MOUNT + MOTOR MOUNTING KIT

XY-HRS | **030** (STROKE EX. **030:** 300 mm) – **RH** (**TYPE RH:** Heavy) | **1** (**BALL SCREW LEAD 1:** 10mm **2:** 20 mm) | **S** (**MOTOR MOUNTING S:** Straight) | **N** (**MOTOR INTERFACE N:** No motor interface) | **F** (**ASSEMBLY F:** USA) + **XY - P ****RM**

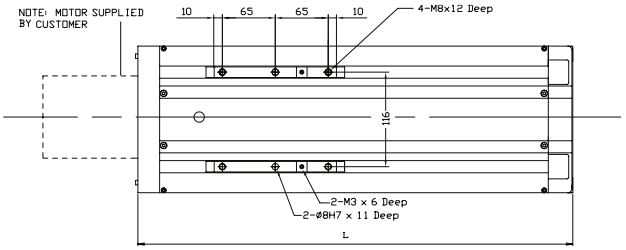
5586: NEMA 23 - 1/4"
5587: NEMA 34 - 3/8"
5588: METRIC
5717: NEMA 23 - 3/8"
5718: NEMA 34 - 1/2"

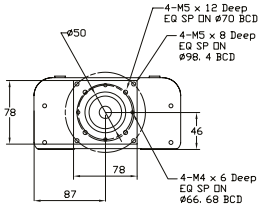


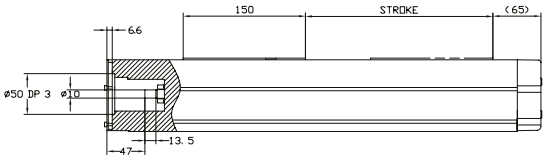
Reference Number	Nominal Stroke, mm	Stroke Limit +/- 2mm	Ballscrew Lead, mm	L mm	SA mm	SB mm	Speed Max mm/s	Inertia kg-m²	Breakaway Torque, N-m	Mass kg	Payload, kg[1] Horiz	Payload, kg[1] Vert	Backlash, mm
XY-HRS030-RH1SNF	300	310	10	612	100	190	778	4.12E-05	0.7	18	200	40	0.005
XY-HRS030-RH2SNF			20				1556	7.12E-05	1.3	17	80	20	
XY-HRS040-RH1SNF	400	410	10	712	200	240	778	4.51E-05	0.7	20	200	40	
XY-HRS040-RH2SNF			20				1556	7.51E-05	1.3	19	80	20	
XY-HRS050-RH1SNF	500	510	10	812	300	290	778	4.90E-05	0.7	22	200	40	
XY-HRS050-RH2SNF			20				1556	7.90E-05	1.3	21	80	20	
XY-HRS060-RH1SNF	600	610	10	912	400	340	778	5.29E-05	0.7	24	200	40	
XY-HRS060-RH2SNF			20				1556	8.29E-05	1.3	23	80	20	
XY-HRS080-RH1SNF	800	810	10	1112	600	440	671	6.07E-05	0.7	28	200	40	
XY-HRS080-RH2SNF			20				1341	9.07E-05	1.3	27	80	20	
XY-HRS100-RH1SNF	1000	1010	10	1312	800	540	583	1.72E-04	0.7	33	200	40	
XY-HRS100-RH2SNF			20				1167	2.02E-04	1.3	32	80	20	

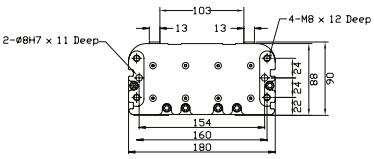
Motor Mounting Kits

		Ref Page
NEMA 23 - 1/4" shaft	XY-P5586RM	18
NEMA 23 - 3/8" shaft	XY-P5717RM	18
NEMA 34 - 3/8" shaft	XY-P5587RM	18
NEMA 34 - 1/2" shaft	XY-P5718RM	19
60mm Frame Metric Motor Kit	XY-P5588RM	19



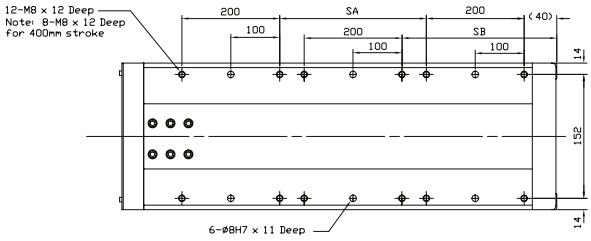






Options

		Ref Page
Limit Sensor Kit	XY-L3542RM	42
Module Mounting Plate	XY-P170H-1	41
Square Nut	XY-P170M3-1	43



Linear Guide Moment Capacities[2]

Rolling Moment	[Nm]	600
Pitching Moment	[Nm]	450
Yawing Moment	[Nm]	400

Note: Maximum input torque is 3.8 N-m
1) If your payload exceeds listed value contact 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.

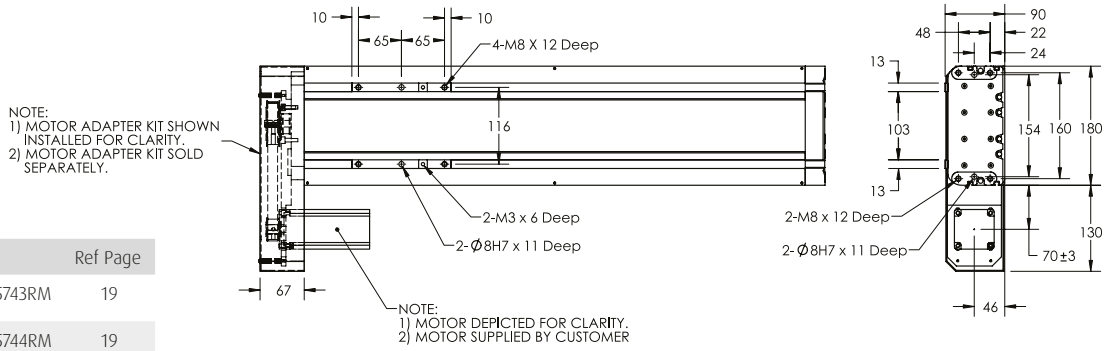
RH MODULE – EXTENDED STROKE + MOTOR MOUNTING KIT

XY-HRS | **120** (STROKE EX. **120:** 1200 mm) **-** | **RH** (TYPE **RH:** Heavy) | **2** (BALL SCREW LEAD **2:** 20mm **4:** 40 mm) | **S** (MOTOR MOUNTING **S:** Straight) | **N** (MOTOR INTERFACE **N:** No motor interface) | **F** (ASSEMBLY **F:** USA) **+** | **XY - P ****RM**

5743: NEMA 23, 1:1 pulley ratio
5744: NEMA 23, 2:1 pulley reduction
5745: NEMA 34, 1:1 pulley ratio
5746: NEMA 34, 2:1 pulley reduction
5747: METRIC, 1:1 pulley ratio
5748: METRIC, 2:1 pulley reduction



Reference Number	Nominal Stroke, mm	Stroke Limit +/- 2mm	Ballscrew Lead, mm	L mm	SA mm	SB mm	Speed Max mm/s	Inertia kg-m²	Breakaway Torque, N-m	Mass kg	Payload, kg[1] Horiz	Payload, kg[1] Vert	Backlash, mm
XY-HRS120-RH2SNF	1200	1210	20	1548	1000	640	837	1.46E-04	1.3	41	200	40	0.005
XY-HRS120-RH4SNF			40				1673	1.76E-04	1.9	40	80	20	
XY-HRS140-RH2SNF	1400	1410	20	1748	1200	740	617	1.70E-04	1.3	45	200	40	
XY-HRS140-RH4SNF			40				1235	2.00E-04	1.9	44	80	20	
XY-HRS160-RH2SNF	1600	1610	20	1948	1400	840	474	1.95E-04	1.3	50	200	40	
XY-HRS160-RH4SNF			40				949	2.25E-04	1.9	49	80	20	
XY-HRS180-RH2SNF	1800	1810	20	2148	1600	940	376	2.20E-04	1.3	54	200	40	
XY-HRS180-RH4SNF			40				751	2.50E-04	1.9	53	80	20	
XY-HRS200-RH2SNF	2000	2010	20	2348	1800	1040	305	2.44E-04	1.3	58	200	40	
XY-HRS200-RH4SNF			40				610	2.74E-04	1.9	57	80	20	



Motor Mounting Kits

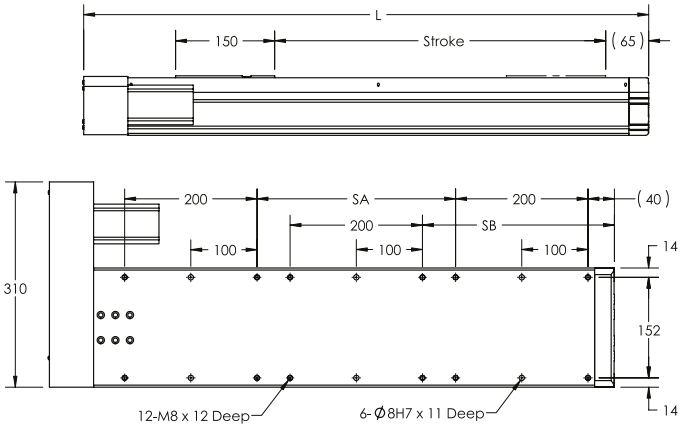
		Ref Page
NEMA 23 - 1:1 pulley ratio	XY-P5743RM	19
NEMA 23 - 2:1 pulley reduction	XY-P5744RM	19
NEMA 34 - 1:1 pulley ratio	XY-P5745RM	19
NEMA 34 - 1:1 pulley reduction	XY-P5746RM	19
Metric, 1:1 pulley ratio	XY-P5747RM	19
Metric, 2:1 pulley reduction	XY-P5748RM	19

Options

		Ref Page
Limit Sensor Kit	XY-L3542RM	42
Module Mounting Plate	XY-P170H-1	41
Square Nut	XY-P170M3-1	43

Linear Guide Moment Capacities[2]

Rolling Moment	[Nm]	600
Pitching Moment	[Nm]	450
Yawing Moment	[Nm]	400



1) If your payload exceeds listed value contact 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.

MOTOR MOUNTING KITS

Motor Mounting Kits provide the hardware necessary to connect NEMA 23, NEMA 34 or 60mm Frame Metric motors to the base module. These kits allow the user the flexibility to attach motors of their choice to the base module.

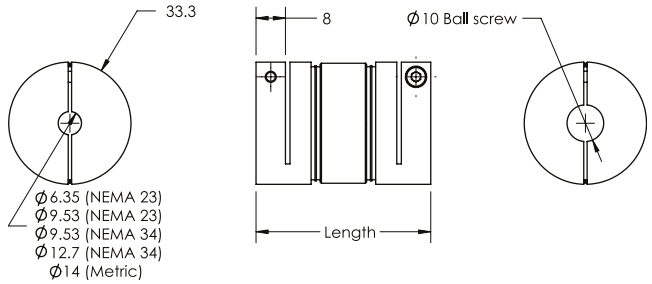
See opposite page for definition of the various motor interfaces.

There are two kits for the RS module, five kits for RH/RM ≤ 1000mm and six kits for the RH extended module > 1200mm.

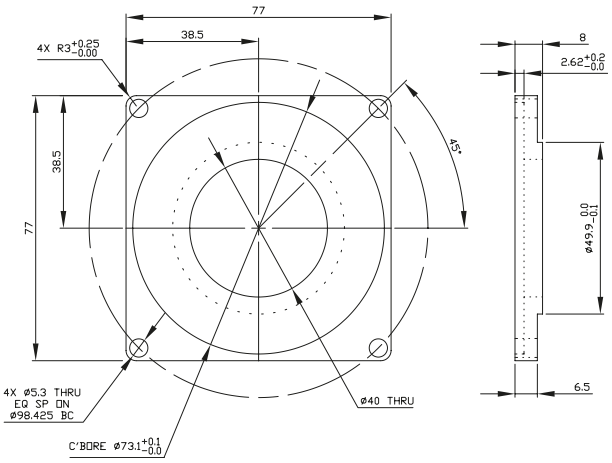
The motor mounting kit for the RS module comes installed and ready to accept the user's motor.



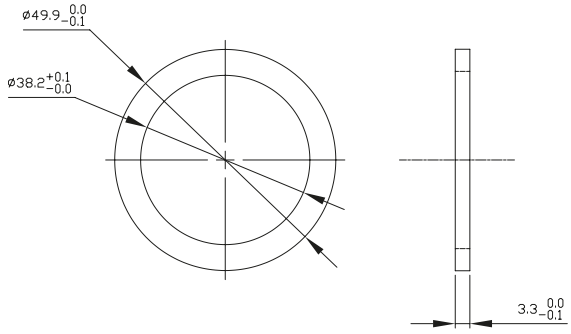
Shaft Coupling



NEMA 34 Motor Adapter Plate RH/RM ≤1000mm



NEMA 23 Motor Adapter Ring RH/RM ≤1000mm



RS MODULE

PN XY-P5584RM, 60mm Frame Metric Motor Kit

- 60mm Frame Metric Motor Plate
- 60mm Frame Metric Motor Mounting Nut Plate
- Motor Shaft Pulley, ø14mm ID
- Timing Belt
- Qty 4, M5 x 14 Socket Head Cap Screw

PN XY-P5585RM, NEMA 23 Motor Mounting Kit

- NEMA 23 Motor Plate
- NEMA 23 Motor Mounting Nut Plate
- Motor Shaft Pulley, ø1/4" ID, ø3/8" ID
- Timing Belt
- Qty 4, M4 x 14 Socket Head Cap Screw

RH/RM MODULES – STROKE ≤ 1000MM

PN XY-P5586RM, NEMA 23 ø1/4" Motor Mounting Kit

- NEMA 23 Motor Adapter Ring
- Jaw Type Shaft Coupling, ø10mm x ø1/4" x 47.6mm long
- Disk Type Shaft Coupling, ø10mm x ø1/4" x 44.5mm long
- Qty 4, M4 x 8 Socket Head Cap Screw

PN XY-P5717RM, NEMA 23 ø3/8" Motor Mounting Kit

- NEMA 23 Motor Adapter Ring
- Jaw Type Shaft Coupling, ø10mm x ø3/8" x 47.6mm long
- Disk Type Shaft Coupling, ø10mm x ø3/8" x 44.5mm long
- Qty 4, M4 x 8 Socket Head Cap Screw

PN XY-P5587RM, NEMA 34 ø3/8" Motor Mounting Kit

- NEMA 34 Motor Adapter Plate
- Jaw Type Shaft Coupling, ø10mm x ø3/8" x 47.6mm long
- Disk Type Shaft Coupling, ø10mm x ø3/8" x 44.5mm long
- Qty 4, M5 x 16 Socket Head Cap Screw

PN XY-P5718RM, NEMA 34 ø1/2" Motor Mounting Kit

- NEMA 34 Motor Adapter Plate
- Jaw Type Shaft Coupling, ø10mm x ø1/2" x 47.6mm long
- Disk Type Shaft Coupling, ø10mm x ø1/2" x 44.5mm long
- Qty 4, M5 x 16 Socket Head Cap Screw

PN XY-P5588RM, 60mm Frame Metric Motor Kit

- Jaw Type Shaft Coupling, ø10mm x ø14mm x 47.6mm long
- Disk Type Shaft Coupling, ø10mm x ø14mm x 44.5mm long
- Qty 4, M5 x 16 Socket Head Cap Screw

RH MODULE STROKES > 1200MM

PN XY-P5743RM, NEMA 23, 1:1 Pulley Ratio, Motor Mounting Kit

- NEMA 23 Motor Mounting Plate
- NEMA 23 Motor Mounting Nut Plate
- Belt Cover
- Qty 4, M3 Hex Standoff
- Motor Pulley, 1/4" ID, 31.83 PD
- Motor Pulley, 3/8" ID, 31.83 PD
- Ballscrew Pulley, 10mm ID, 31.83 PD
- Timing Belt
- Assorted Fasteners

PN XY-P5745RM NEMA 34, 1:1 Pulley Ratio, Motor Mounting Kit

- NEMA 34 Motor Mounting Plate
- NEMA 34 Motor Mounting Nut Plate
- Belt Cover
- Qty 4, M3 Hex Standoff
- Motor Pulley, 3/8" ID, 31.83 PD
- Motor Pulley, 1/2" ID, 31.83 PD
- Ballscrew Pulley, 10mm ID, 31.83 PD
- Timing Belt
- Assorted Fasteners

PN XY-P5747RM, Metric 60mm, 1:1 Pulley Ratio, Motor Mounting Kit

- Metric Motor Mounting Plate
- Nut Plate, Metric Motor
- Belt Cover
- Qty 4, M3 Hex Standoff
- Motor Pulley, 14mm ID, 31.83 PD
- Ballscrew Pulley, 10mm ID, 31.83 PD
- Timing Belt
- Assorted Fasteners

SHAFT COUPLINGS FEATURES:

Jaw Type - three piece coupling consisting of two hubs and a spider. The spider is made from polyurethane thereby providing damping and protection against impulse loads. The spider is pressed into the hubs providing zero backlash operation.

Disk Type - five piece coupling consisting of two hubs, a center member and thin metallic disks that transmit torque. Disk type couplings provide higher torsional rigidity with lower inertia then other coupling types.

PN XY-P5744RM, NEMA 23, 2:1 Pulley Reduction, Motor Mounting Kit

- NEMA 23 Motor Mounting Plate
- NEMA 23 Motor Mounting Nut Plate
- Belt Cover
- Qty 4, M3 Hex Standoff
- Motor Pulley, 1/4" ID, 31.83 PD
- Motor Pulley, 3/8" ID, 31.83 PD
- Ballscrew Pulley, 10mm ID, 63.66 PD
- Timing Belt
- Assorted Fasteners

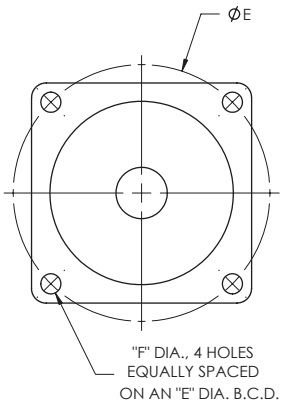
PN XY-P5746RM, NEMA 34, 2:1 Pulley Reduction, Motor Mounting Kit

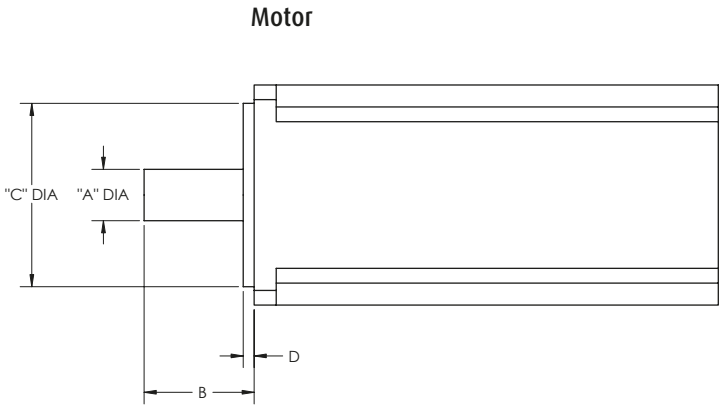
- NEMA 34 Motor Mounting Plate
- NEMA 34 Motor Mounting Nut Plate
- Belt Cover
- Qty 4, M3 Hex Standoff
- Motor Pulley, 3/8" ID, 31.83 PD
- Motor Pulley, 1/2" ID, 31.83 PD
- Ballscrew Pulley, 10mm ID, 63.66 PD
- Timing Belt
- Assorted Fasteners

PN XY-P5748RM, Metric 60mm, 2:1 Pulley Reduction, Motor Mounting Kit

- Metric Motor Mounting Plate
- Metric Motor Mounting Nut Plate
- Belt Cover
- Qty 4, M3 Hex Standoff
- Motor Pulley, 14mm ID, 31.83 PD
- Ballscrew Pulley, 10mm ID, 63.66 PD
- Timing Belt
- Assorted Fasteners

MOTOR INTERFACE DIMENSIONS

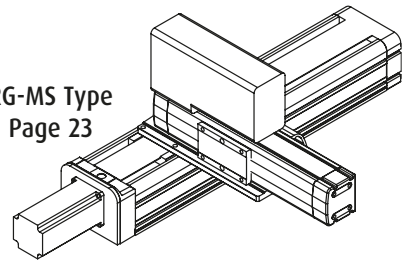




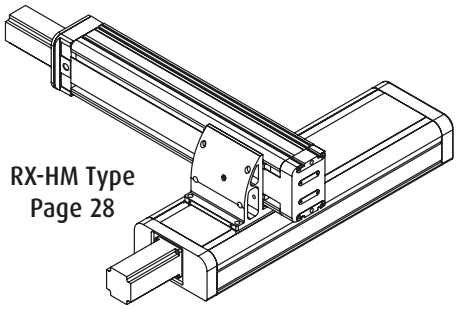
Item	Dimension	Motor Interface		
		Metric 60mm	NEMA 23	NEMA 34
A	Motor Shaft Diameter	14	6.35 or 9.53	9.53 or 12.70
B	Motor Shaft Length	30	20.57	31.75
C	Pilot Diameter	50	38.10	73.03
D	Pilot Length	3	2.36	2.36
E	Mounting Bolt Circle Diameter	70	66.68	98.43
F	Bolt Hole Size	5.5	4.95	5.54

NOTES

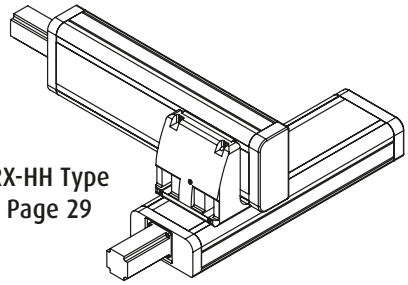
2 AXIS COMBINATIONS



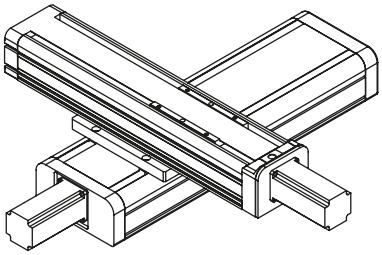
RG-MS Type
Page 23



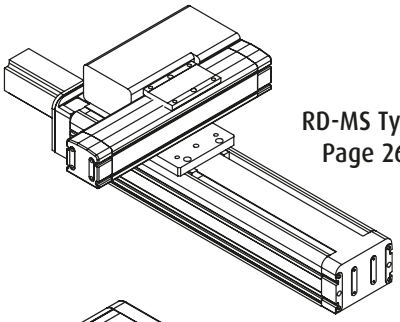
RX-HM Type
Page 28



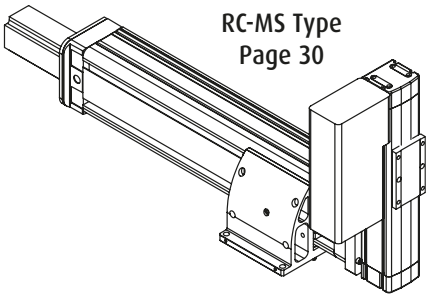
RX-HH Type
Page 29



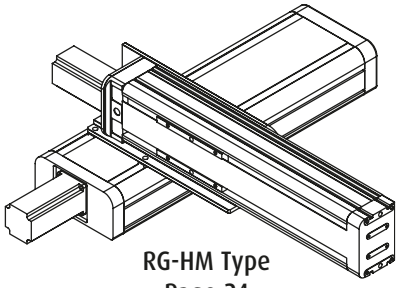
RD-HM Type
Page 27



RD-MS Type
Page 26



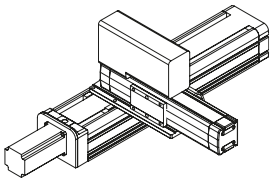
RC-MS Type
Page 30



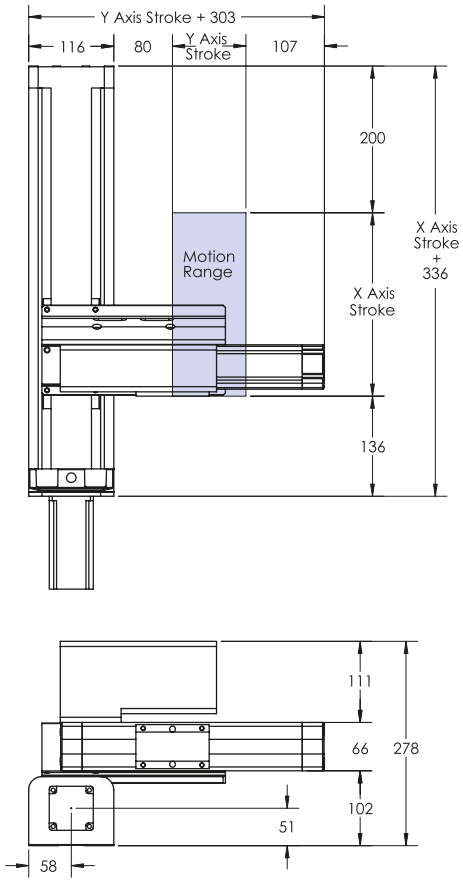
RG-HM Type
Page 24

2-Axis Selection

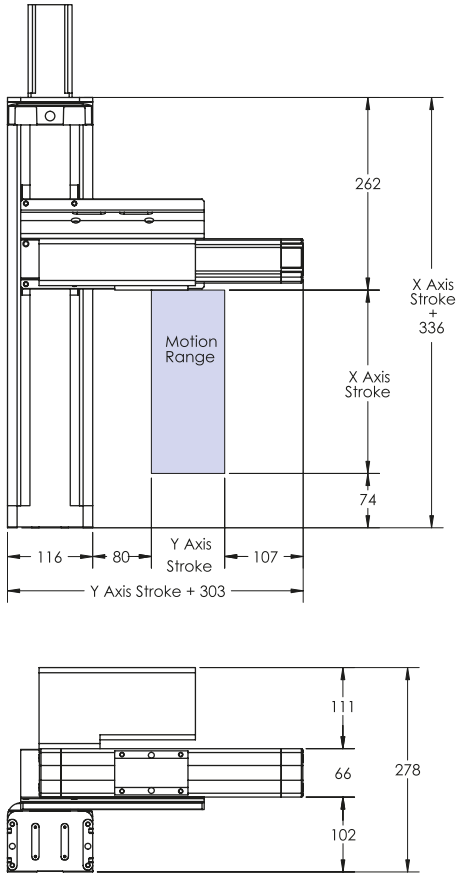
Combination	Type	X Axis	Y Axis	Combining Bracket	Module Mounting Plate	Limit Sensor Kit	Square Nut
RG-MS	Type A or B	XY-HRS0*5-RM*SNF & XY-P **** RM	XY-HRS0*0-RS1R*F	XY-P175GMS-1	XY-P170M-1	X Axis: XY-L3543RM Y Axis: XY-L3544RM	XY-P170M3-1
RG-HM	Type A or C Type B or D	XY-HRS0**0-RH*SNF & XY-P **** RM	XY-HRS0*5-RM*SNF & XY-P****RM	XY-P175GHM-1 XY-P175GHM-2	XY-P170H-1	X Axis: XY-L3542RM Y Axis: XY-L3543RM	
RD-MS	Type A Type B	XY-HRS0*5-RM*SNF & XY-P **** RM	XY-HRS0*0-RS1L*F XY-HRS0*0-RS1R*F	XY-P175DMS-1	XY-P170M-1	X Axis: XY-L3543RM Y Axis: XY-L3544RM	
RD-HM	Type A or B	XY-HRS0**0-RH*SNF & XY-P **** RM	XY-HRS0*5-RM*SNF & XY-P****RM	XY-P175DHM-1	XY-P170H-1	X Axis: XY-L3542RM Y Axis: XY-L3543RM	
RX-HM	Type A or B	XY-HRS0**0-RH*SNF & XY-P**** RM	XY-HRS0*5-RM*SNF & XY-P****RM	XY-P175XHM-1	XY-P170H-1	X Axis: XY-L3542RM Y Axis: XY-L3543RM	
RX-HH	Type A or B	XY-HRS0**0-RH*SNF & XY-P****RM	XY-HRS0**0-RH*SNF & XY-P****RM	XY-P175XHH-1	XY-P170H-1	XY-L3542RM	
RC-MS	Type A Type B	XY-HRS0*5-RM*SNF & XY-P**** RM	XY-HRS0*0-RS1L*F XY-HRS0*0-RS1R*F	XY-P175CMS-1 & XY-P175XHM-1	NA	X Axis: XY-L3543RM Y Axis: XY-L3544RM	

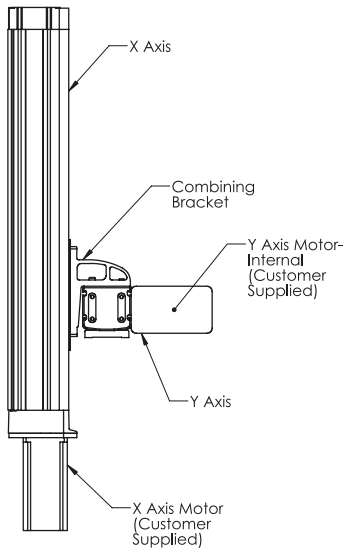


Type A



Type B





Note: Assembly of system required

Combination Type and Reference Numbers

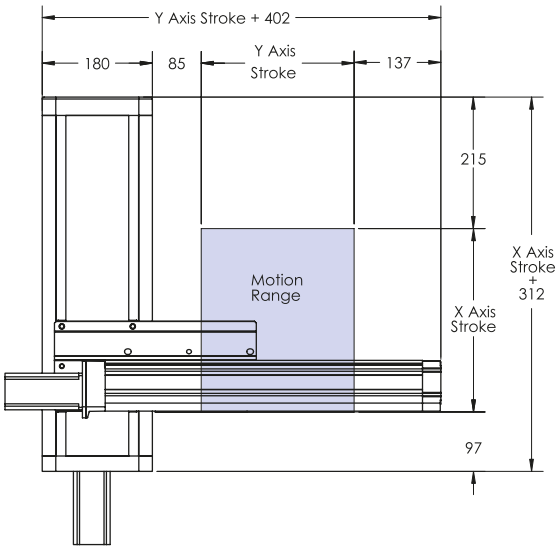
Combination Type	Type A or B	Ref Page
X Axis	XY-HRS0*5-RM*SNF	15
X Axis Motor Mounting Kit	XY-P****RM	18 & 19
Y Axis	XY-HRS0*0-RS1R*F	13
XY Combining Bracket	XY-P175GMS-1	39
Options:		
Limit Sensor Kit, X Axis	XY-L3543RM	42
Limit Sensor Kit, Y Axis	XY-L3544RM	42
X Axis Module Mounting Plate	XY-P170M-1	41
Square Nut	XY-P170M3-1	43

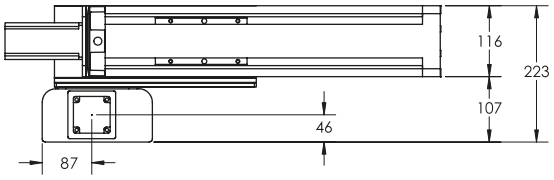
Transportable Mass Table [kg]

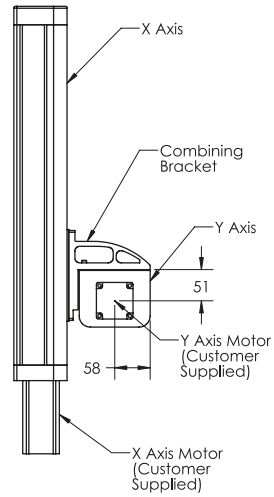
Acceleration m/s²	Y Axis Stroke, mm				
	100	200	300	400	500
4.9	20	15	11	8	6
9.8	18	12	9	6.5	5

COMBINATION TYPE: RG-HM

Type A

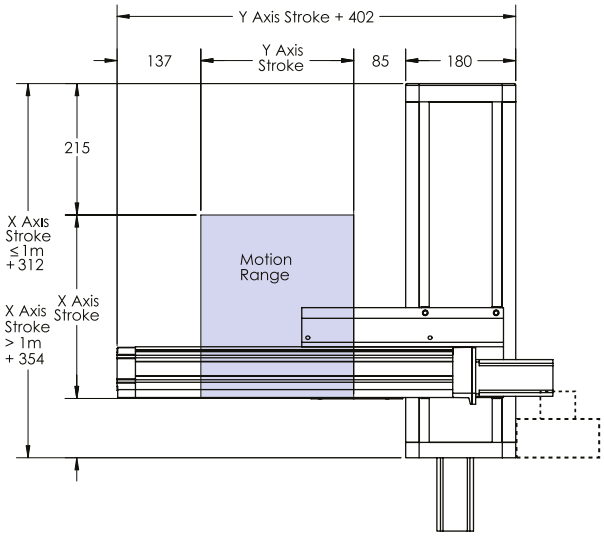


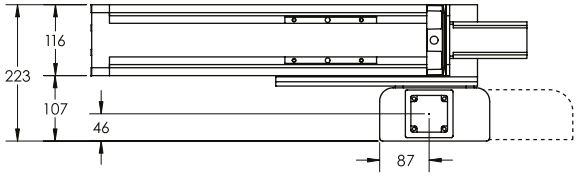


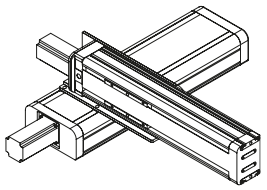


Note: Assembly of system required

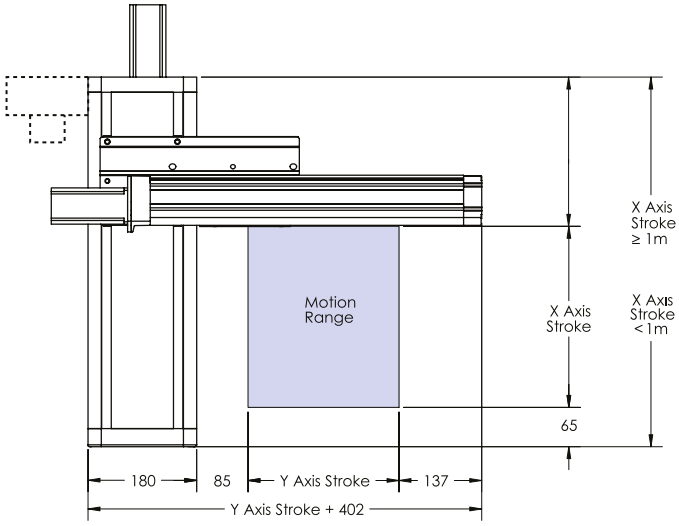
Type B

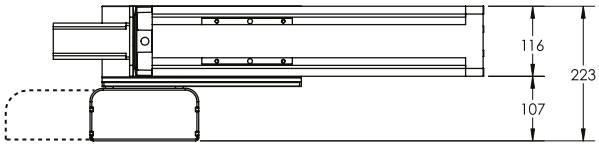




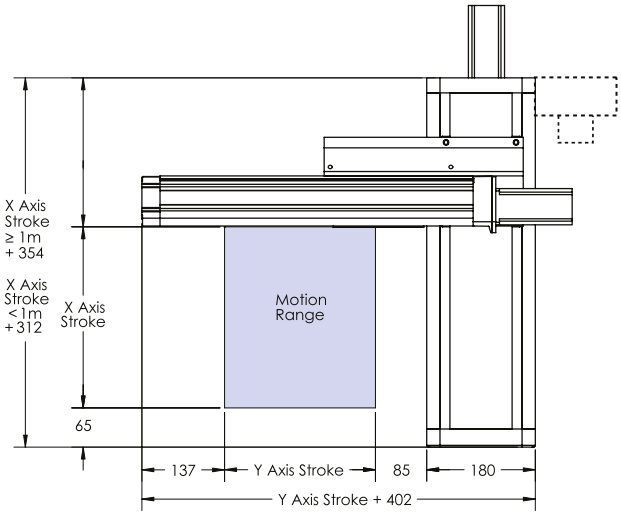


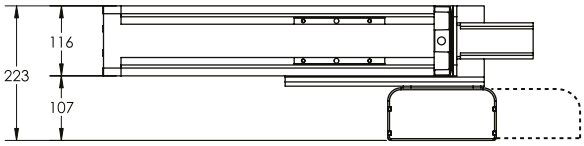
Type C





Type D





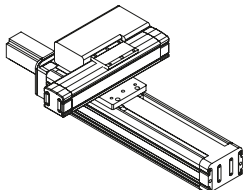
Combination Type and Reference Numbers

Combination Type	Type A or C	Type B or D	Ref Page
X Axis	XY-HRS0**0-RH*SNF		16 & 17
X Axis Motor Mounting Kit	XY-P****RM		18 & 19
Y Axis	XY-HRS0*5-RM*SNF		15
Y Axis Motor Mounting Kit	XY-P****RM		18 & 19
XY Combining Bracket	XY-P175GHM-1	XY-P175GHM-2	39
Options:			
Limit Sensor Kit, X Axis	XY-L3542RM		42
Limit Sensor Kit, Y Axis	XY-L3543RM		42
X Axis Module Mounting Plate	XY-P170H-1		41
Square Nut	XY-P170M3-1		43

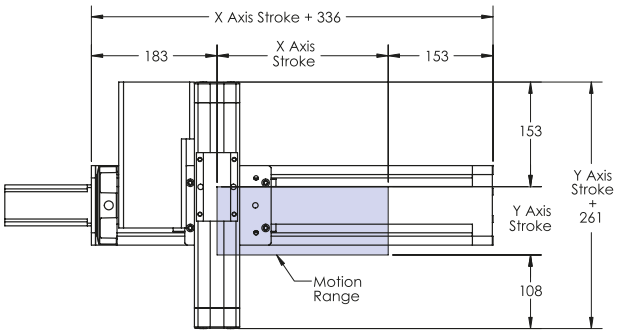
Transportable Mass Table [kg]

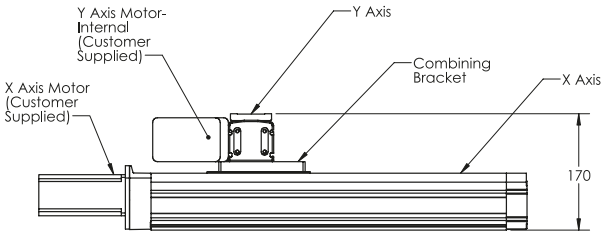
Acceleration m/s²	Y Axis Stroke, mm					
	250	350	450	550	750	950
4.9	40	40	40	40	33	24
9.8	40	40	33	28	19	13

COMBINATION TYPE: RD-MS

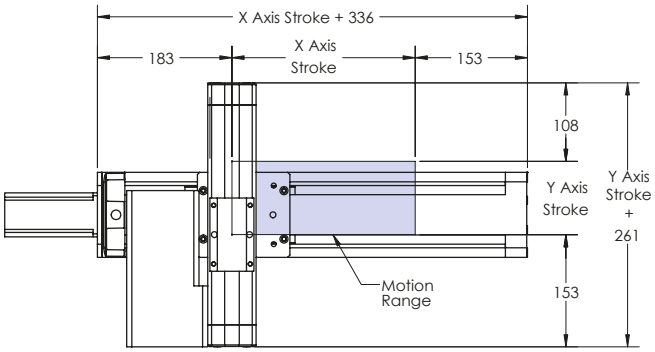


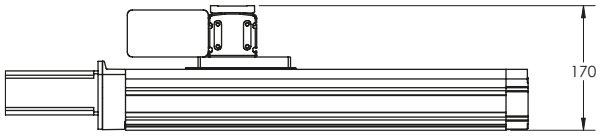
Type A

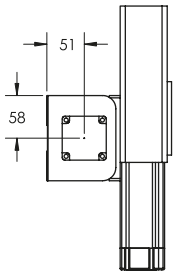




Type B







Note: Assembly of system required

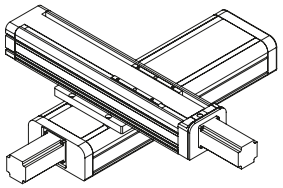
Combination Type and Reference Numbers

Combination Type	Type A	Type B	Ref Page
X Axis	XY-HRS0*5-RM*SNF		15
X Axis Motor Mounting Kit	XY-P****RM		18 & 19
Y Axis	XY-HRS0*0-RS1L*F	XY-HRS0*0-RS1R*F	12 & 13
XY Combining Bracket	XY-P175DMS-1		39
Options:			
Limit Sensor Kit, X Axis	XY-L3543RM		42
Limit Sensor Kit, Y Axis	XY-L3544RM		42
X Axis Module Mounting Plate	XY-P170M-1		41
Square Nut	XY-P170M3-1		43

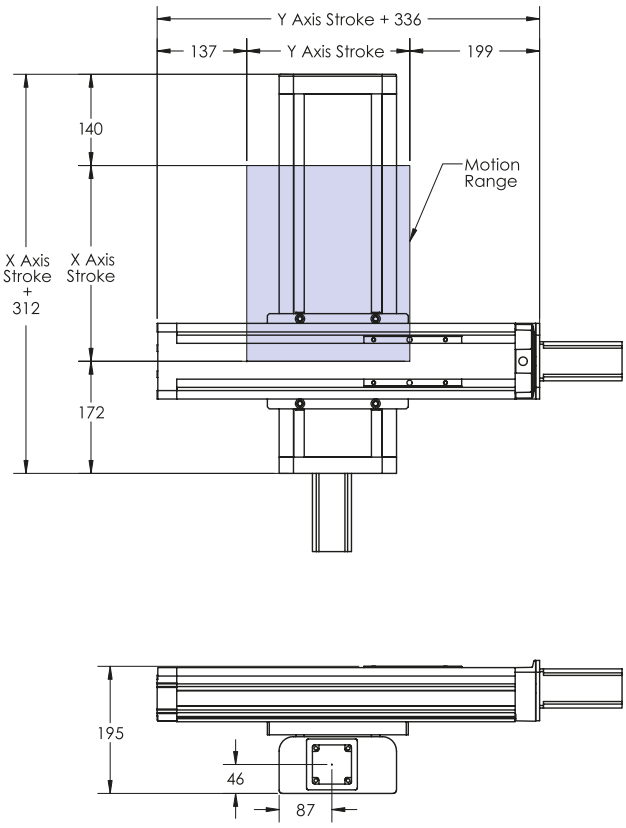
Transportable Mass Table [kg]

Acceleration m/s²	Y Axis Stroke, mm				
	100	200	300	400	500
4.9	20	20	20	20	20
9.8	20	20	20	20	20

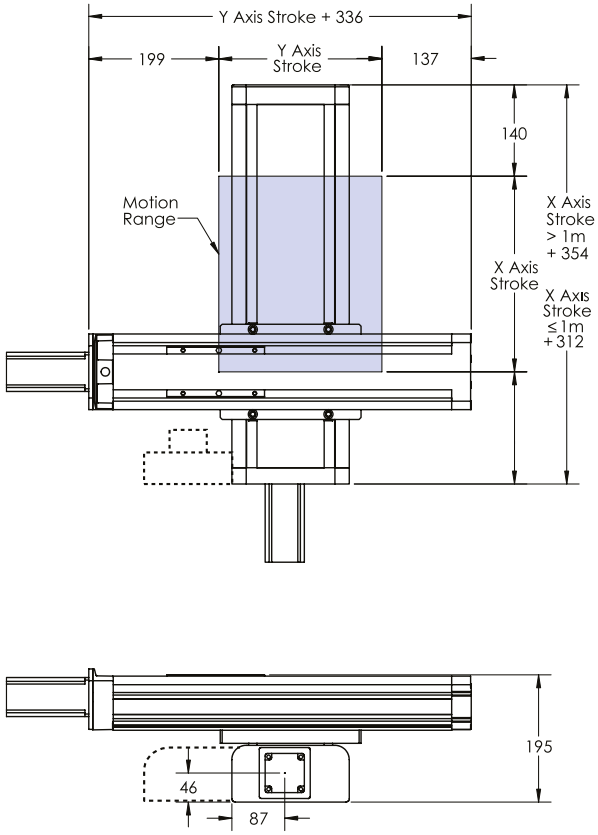
COMBINATION TYPE: RD-HM

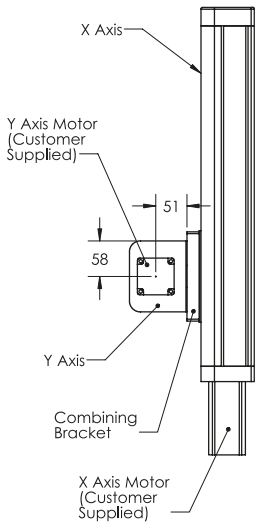


Type A



Type B





Note: Assembly of system required

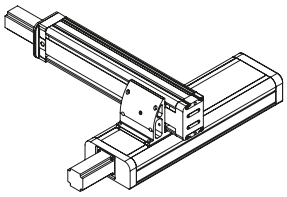
Combination Type and Reference Numbers

Combination Type	Type A or B	Ref Page
X Axis	XY-HRS0**0-RH*SNF	16 & 17
X Axis Motor Mounting Kit	XY-P****RM	18 & 19
Y Axis	XY-HRS0*5-RM*SNF	15
Y Axis Motor Mounting Kit	XY-P****RM	18 & 19
XY Combining Bracket	XY-P175DHM-1	39
Options:		
Limit Sensor Kit, X Axis	XY-L3542RM	42
Limit Sensor Kit, Y Axis	XY-L3543RM	42
X Axis Module Mounting Plate	XY-P170H-1	41
Square Nut	XY-P170M3-1	43

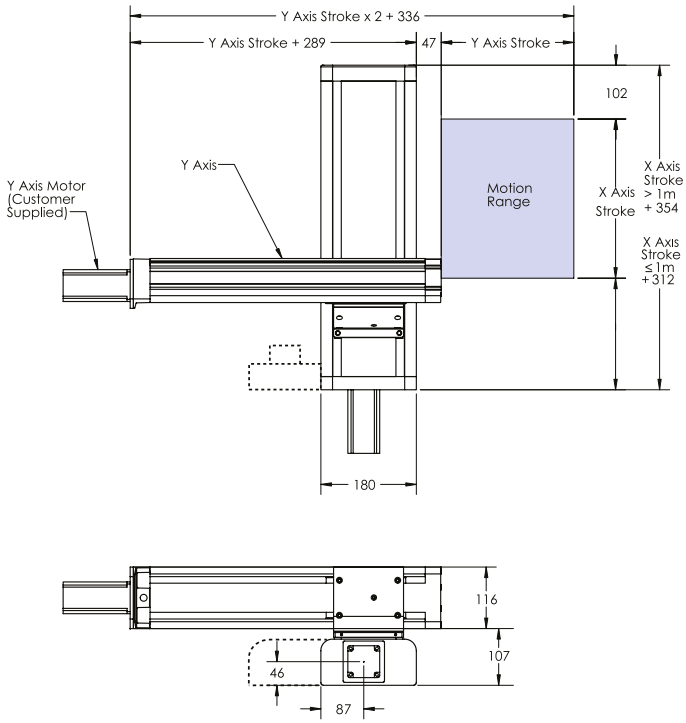
Transportable Mass Table [kg]

Acceleration m/s²	Y Axis Stroke, mm					
	250	350	450	550	750	950
4.9	40	40	40	40	40	40
9.8	40	40	40	40	40	40

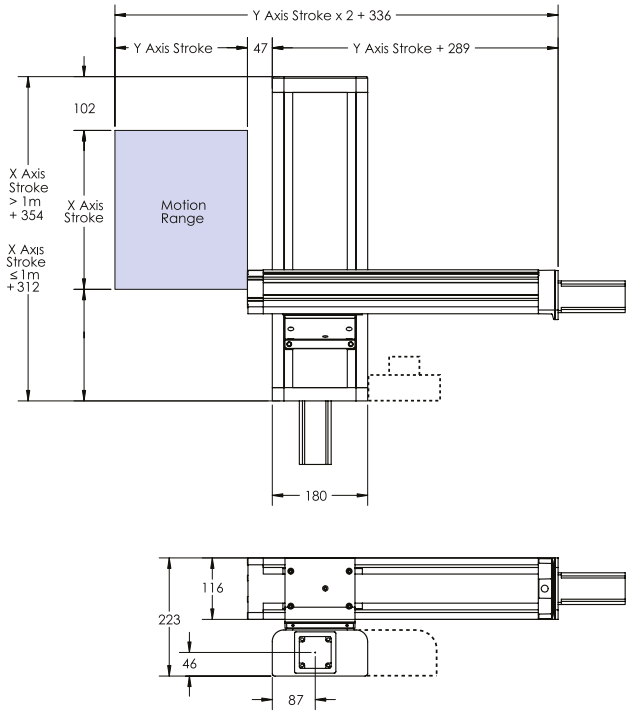
COMBINATION TYPE: RX-HM

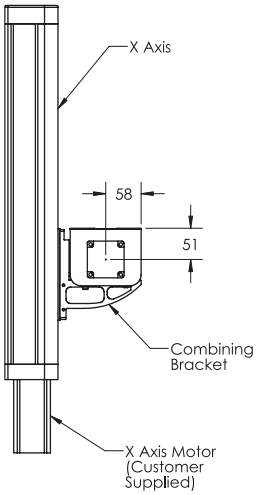


Type A



Type B





Note: Assembly of system required

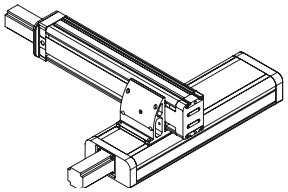
Combination Type and Reference Numbers

Combination Type	Type A or B	Ref Page
X Axis	XY-HRS0**0-RH*SNF	16 & 17
X Axis Motor Mounting Kit	XY-P****RM	18 & 19
Y Axis	XY-HRS0*5-RM*SNF	15
Y Axis Motor Mounting Kit	XY-P****RM	18 & 19
XY Combining Bracket	XY-P175XHM-1	40
Options:		
Limit Sensor Kit, X Axis	XY-L3542RM	42
Limit Sensor Kit, Y Axis	XY-L3543RM	42
X Axis Module Mounting Plate	XY-P170H-1	41
Square Nut	XY-P170M3-1	43

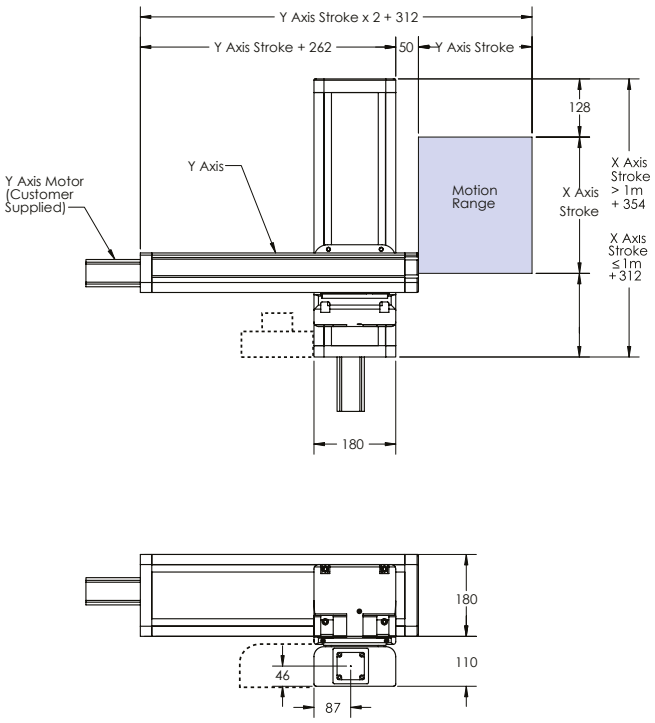
Transportable Mass Table [kg]

Acceleration m/s²	Y Axis Stroke, mm					
	250	350	450	550	750	950
3.3	24	19	15	12	7	3
4.9	21	16	12	9	5	2

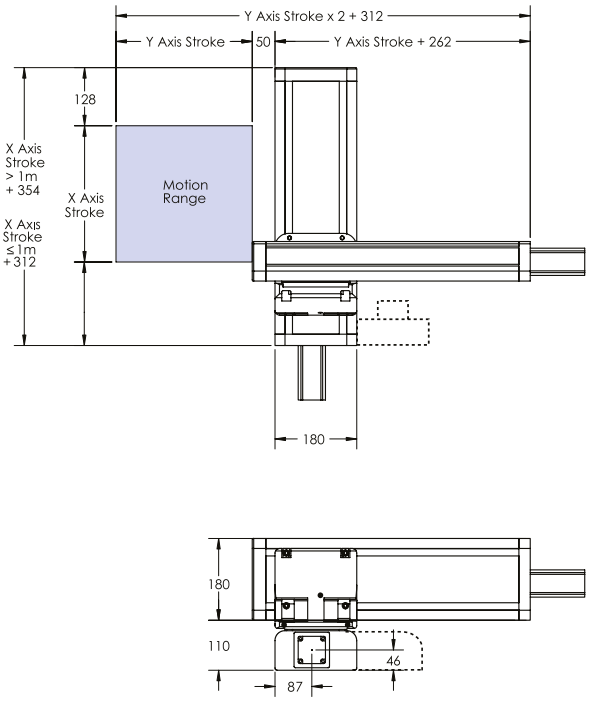
COMBINATION TYPE: RX-HH

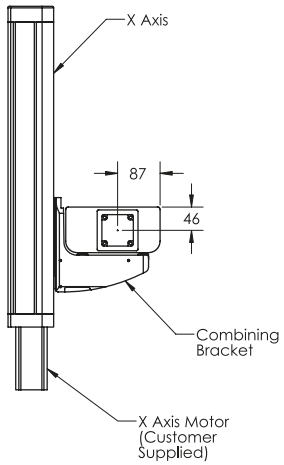


Type A



Type B





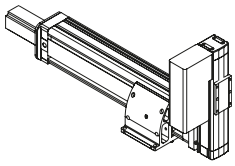
Note: Assembly of system required

Combination Type and Reference Numbers

Combination Type	Type A or B	Ref Page
X Axis	XY-HRS0**0-RH*SNF	16 & 17
X Axis Motor Mounting Kit	XY-P****RM	18 & 19
Y Axis	XY-HRS0*0-RH*SNF	16 & 17
Y Axis Motor Mounting Kit	XY-P****RM	18 & 19
XY Combining Bracket	XY-P175XHH-1	40
Options:		
Limit Sensor Kit, X Axis	XY-L3542RM	42
Limit Sensor Kit, Y Axis	XY-L3542RM	42
X Axis Module Mounting Plate	XY-P170H-1	41
Square Nut	XY-P170M3-1	43

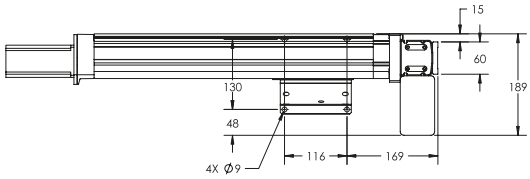
Transportable Mass Table [kg]

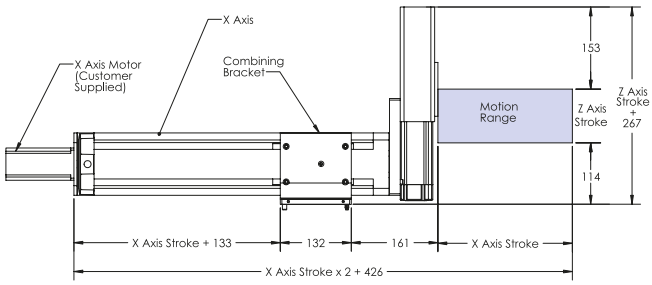
Acceleration m/s²	Y Axis Stroke, mm					
	300	400	500	600	800	1000
3.3	40	40	40	40	29	29
4.9	40	40	40	39	28	19



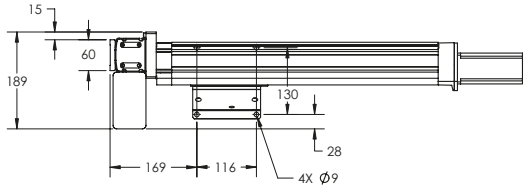
COMBINATION TYPE: RC-MS

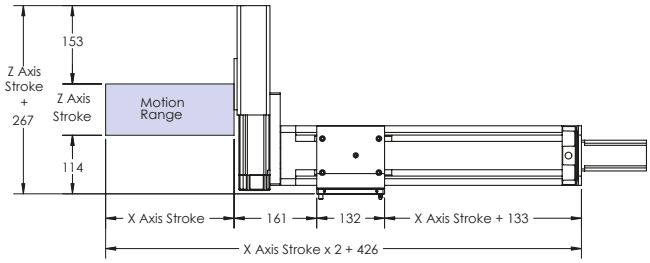
Type A

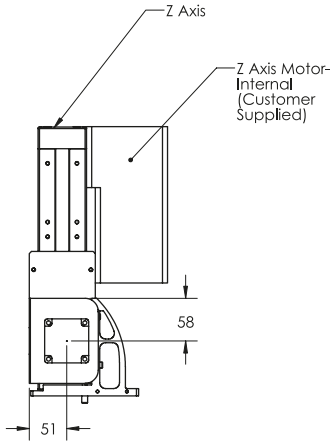




Type B







Note: Assembly of system required

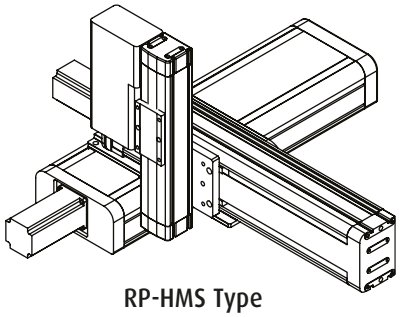
Combination Type and Reference Numbers

Combination Type	Type A	Type B	Ref Page
X Axis	XY-HRS0*5-RM*SNF		15
X Axis Motor Mounting Kit	XY-P****RM		18 & 19
Z Axis	XY-HRS0*0-RS1L*F	XY-HRS0*0-RS1R*F	12 & 13
XY Combining Bracket	XY-P175XHM-1, XY-P175CMS-1		40
Options:			
Limit Sensor Kit, X Axis	XY-L3543RM		42
Limit Sensor Kit, Z Axis	XY-L3544RM		42
X Axis Module Mounting Plate	NA		41
Square Nut	XY-P170M3-1		43

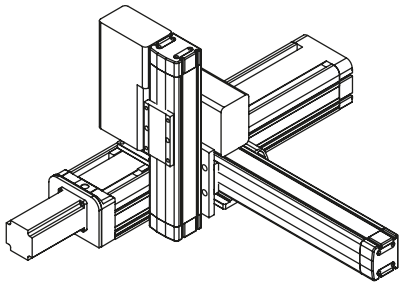
Transportable Mass Table [kg]

Z Axis Stroke	Acceleration m/s²	X Axis Stroke, mm			
		250	350	450	550
100mm	3.9	8	8	8	5.4
	4.9	8	8	5.4	2.4
200mm	3.9	8	8	7	4.7
	4.9	8	8	4.7	1.7

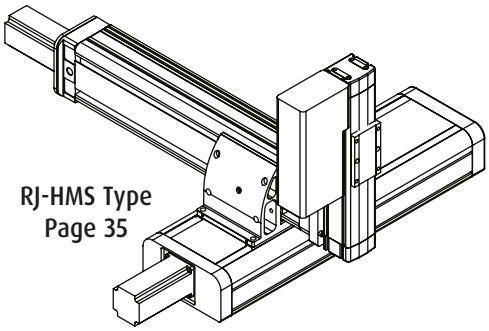
3 AXIS COMBINATIONS



RP-HMS Type
Page 32



RP-MSS Type
Page 34



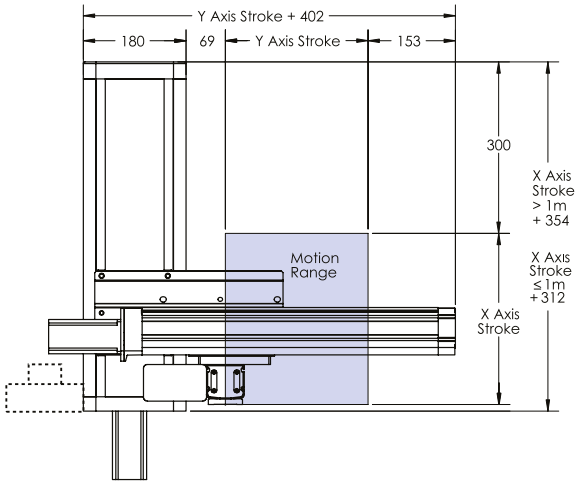
RJ-HMS Type
Page 35

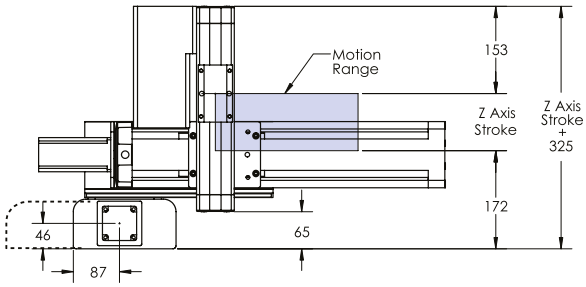
3-Axis Selection

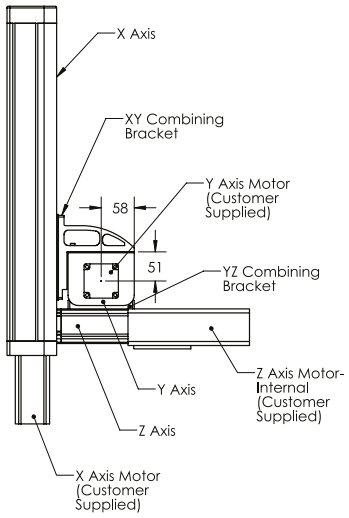
Combination	Type	X Axis	Y Axis	Z Axis	XY Combining Bracket	YZ Combining Bracket	Module Mounting Plate	Limit Sensor Kit	Square Nut
RJ-HMS	Type A Type B	XY-HRS0*0-RH*SNF & XY-P****RM	XY-HRS0*5-RM*SNF & XY-P****RM	XY-HRS0*0-RS1L*F XY-HRS0*0-RS1R*F	XY-P175XHM-1	XY-P175CMS-1	XY-P170H-1	X Axis: XY-L3542RM Y Axis: XY-L3543RM Z Axis: XY-L3544RM	XY-P170M3-1
RP-HMS	Type A or C Type B or D	XY-HRS0*0-RH*SNF & XY-P****RM	XY-HRS0*5-RM*SNF & XY-P****RM	XY-HRS0*0-RS1L*F XY-HRS0*0-RS1R*F	XY-P175GHM-1 XY-P175GHM-2	XY-P175DMS-1	XY-P170H-1	X Axis: XY-L3542RM Y Axis: XY-L3543RM Z Axis: XY-L3544RM	
RP-MSS	Type A or B	XY-HRS0*5-RM*SNF & XY-P****RM	XY-HRS0*0-RS1R*F	XY-HRS0*0-RS1L*F	XY-P175GMS-1	XY-P175DSS-1	XY-P170M-1	X Axis: XY-L3543RM Y Axis: XY-L3544RM Z Axis: XY-L3544RM	

COMBINATION TYPE: RP-HMS

Type A

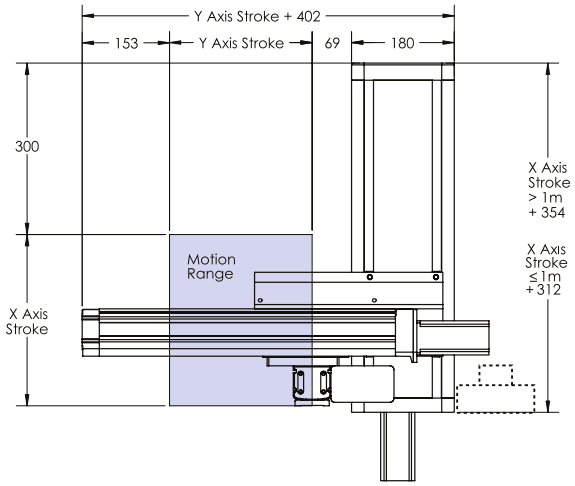


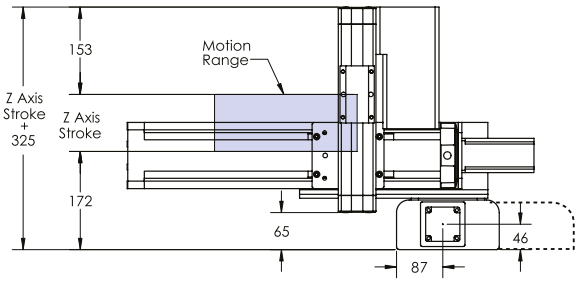


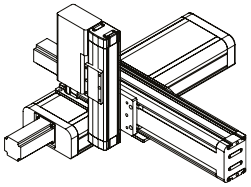


Note: Assembly of system required

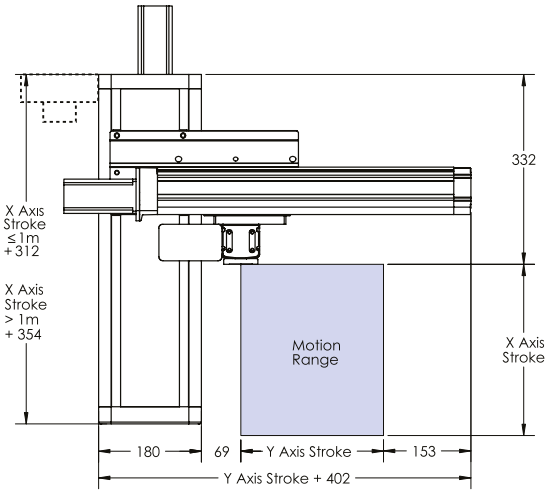
Type B

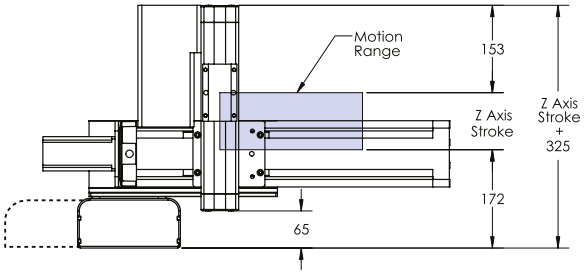




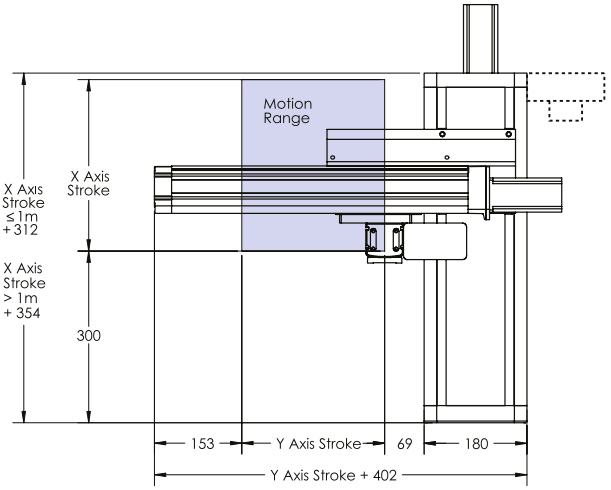


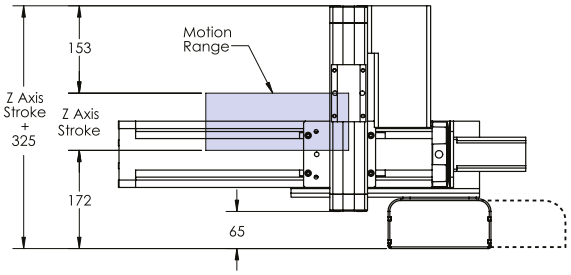
Type C





Type D





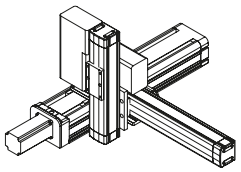
Combination Type and Reference Numbers

Combination Type	Type A	Type B	Ref Page
X Axis	XY-HRS**0-RH*SNF		16 & 17
X Axis Motor Mounting Kit	XY-P****RM		18 & 19
Y Axis	XY-HRS0*5-RM*SNF		15
Y Axis Motor Mounting Kit	XY-P****RM		18 & 19
Z Axis	XY-HRS0*0-RS1L*F	XY-HRS0*0-RS1R*F	12 & 13
XY Combining Bracket	XY-P175GHM-1	XY-P175GHM-2	39
YZ Combining Bracket	XY-P175DMS-1		39
Options:			
Limit Sensor Kit, X Axis	XY-L3542RM		42
Limit Sensor Kit, Y Axis	XY-L3543RM		42
Limit Sensor Kit, Z Axis	XY-L3544RM		42
X Axis Module Mounting Plate	XY-P170H-1		41
Square Nut	XY-P170M3-1		43

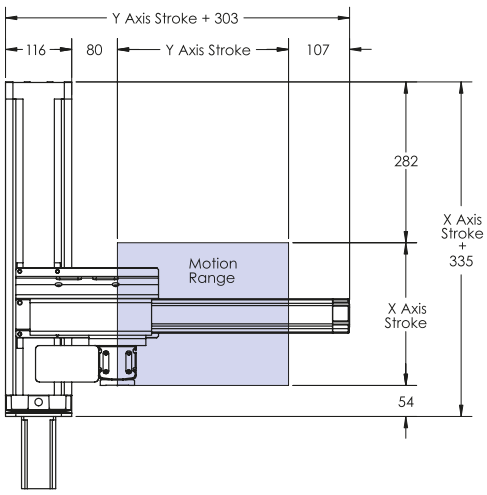
Transportable Mass Table [kg]

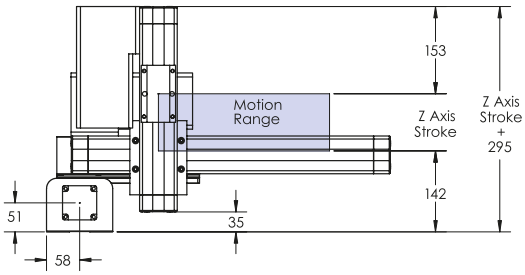
Z Axis Stroke	Acceleration m/s²	Y Axis Stroke, mm					
		250	350	450	550	750	950
100 or 200	4.9	20	20	20	20	20	16
	9.8	20	20	20	20	12.6	6.6

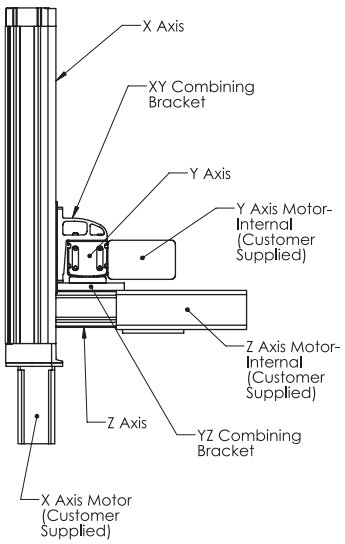
COMBINATION TYPE: RP-MSS



Type A

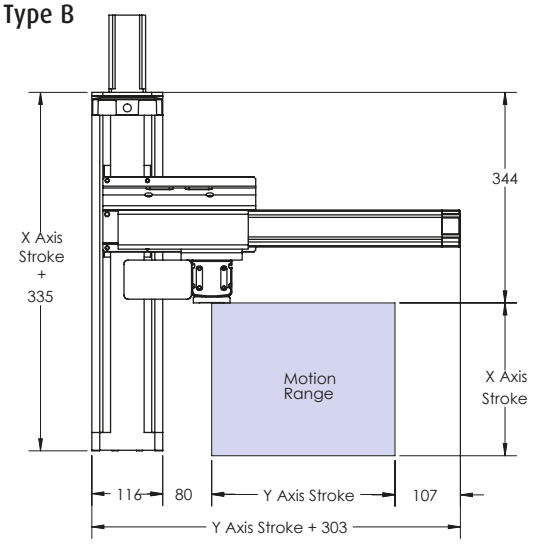


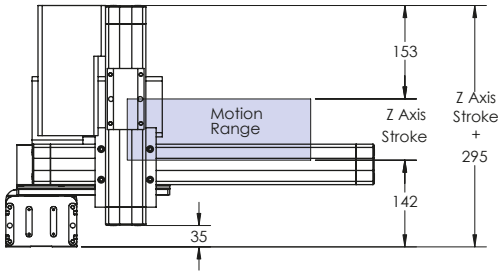




Note: Assembly of system required

Type B





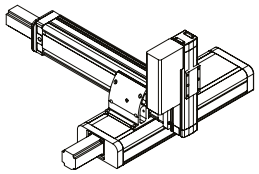
Combination Type and Reference Numbers

Combination Type	Type A and B	Ref Page
X Axis	XY-HRS0*5-RM*SNF	15
X Axis Motor Mounting Kit	XY-P****RM	18 & 19
Y Axis	XY-HRS0*0-RS1R*F	13
Z Axis	XY-HRS0*0-RS1L*F	12
XY Combining Bracket	XY-P175GMS-1	39
YZ Combining Bracket	XY-P175DSS-1	38
Options:		
Limit Sensor Kit, X Axis	XY-L3543RM	42
Limit Sensor Kit, Y Axis	XY-L3544RM	42
Limit Sensor Kit, Z Axis	XY-L3544RM	42
X Axis Module Mounting Plate	XY-P170M-1	41
Square Nut	XY-P170M3-1	43

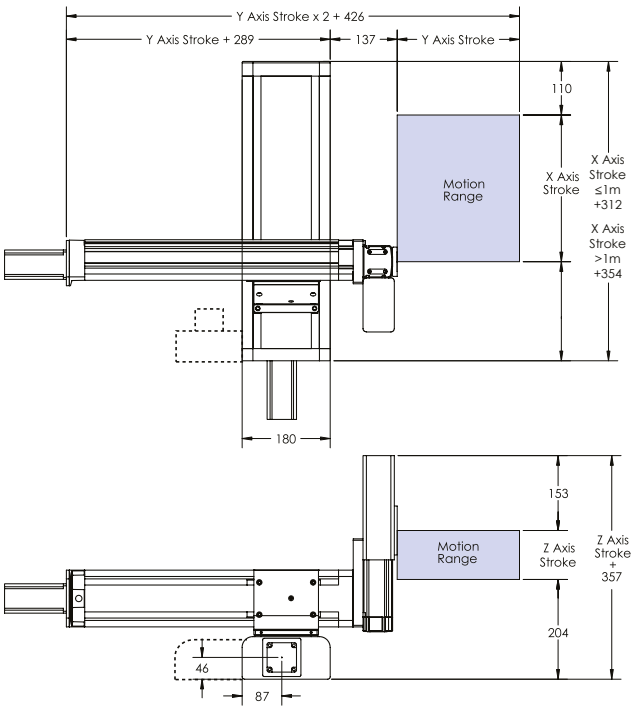
Transportable Mass Table [kg]

Z Axis Stroke	Acceleration m/s²	X Axis Stroke, mm			
		100	200	300	400
100mm	4.9	8	8	4.8	1.8
	9.8	8	5.8	2.8	-
200mm	4.9	8	8	4.1	1.1
	9.8	8	5.1	2.1	-

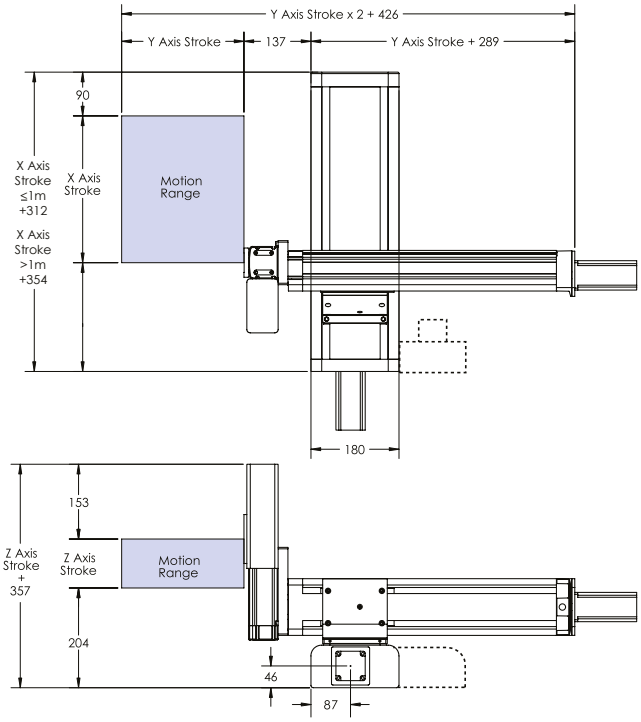
COMBINATION TYPE: RJ-HMS

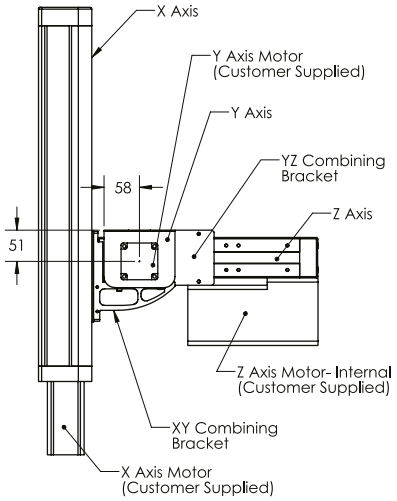


Type A



Type B





Note: Assembly of system required

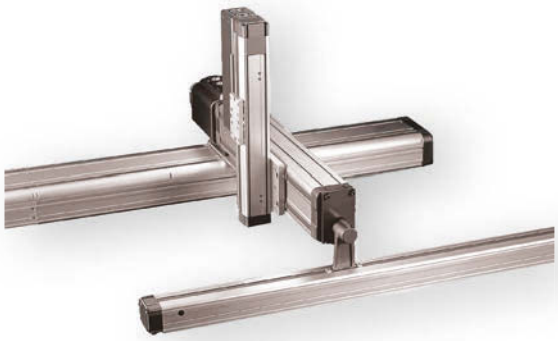
Combination Type and Reference Numbers

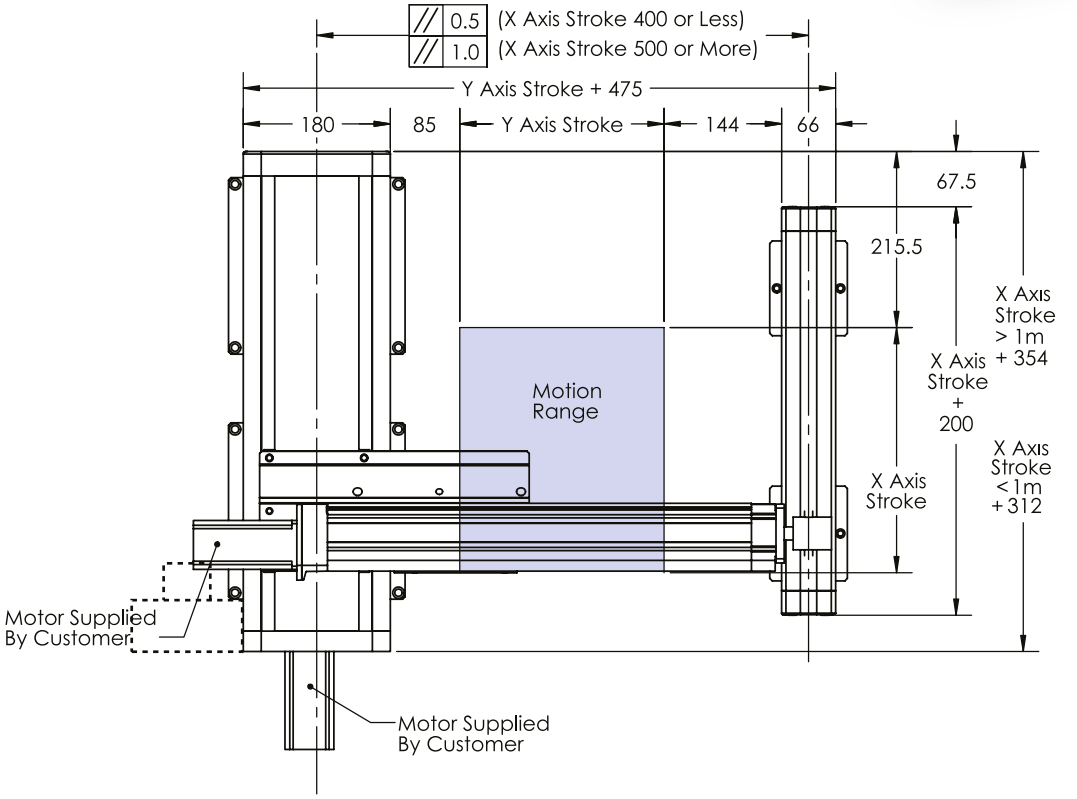
Combination Type	Type A	Type B	Ref Page
X Axis	XY-HRS**0-RH*SNF		16 & 17
X Axis Motor Mounting Kit	XY-P****RM		18 & 19
Y Axis	XY-HRS0*5-RM*SNF		15
Y Axis Motor Mounting Kit	XY-P****RM		18 & 19
Z Axis	XY-HRS0*0-RS1L*F	XY-HRS0*0-RS1R*F	12 & 13
XY Combining Bracket	XY-P175XHM-1		40
YZ Combining Bracket	XY-P175CMS-1		40
Options:			
Limit Sensor Kit, X Axis	XY-L3542RM		42
Limit Sensor Kit, Y Axis	XY-L3543RM		42
Limit Sensor Kit, Z Axis	XY-L3544RM		42
X Axis Module Mounting Plate	XY-P170H-1		41
Square Nut	XY-P170M3-1		43

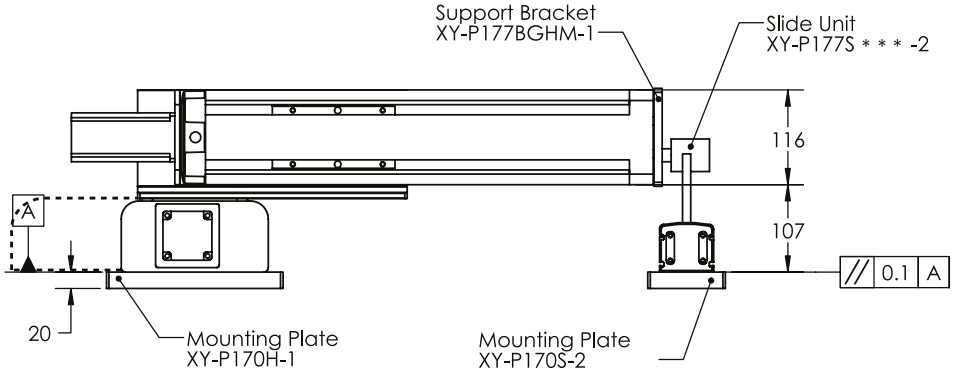
Transportable Mass Table [kg]

Z Axis Stroke	Acceleration m/s²	X Axis Stroke, mm			
		250	350	450	550
100mm	3.3	8	8	8	5.4
	4.9	8	8	5.4	2.4
200mm	3.3	8	8	7.7	4.7
	4.9	8	8	4.7	1.7

ACCESSORIES - SUPPORT SLIDE
FOR COMBINATION TYPES: RG-HM AND RP-HMS

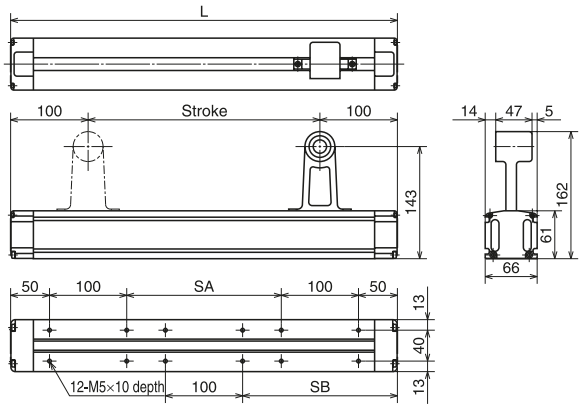






Slide unit

Example of reference number:
XY-P177S030-2
Stroke Ex.
030: 300 mm

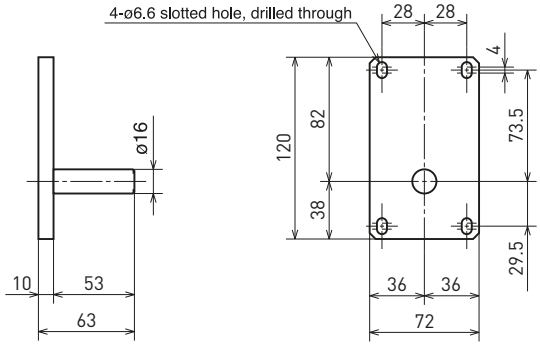


For stroke 300 to 1,000

Part Number	Stroke, mm	L, mm	SA, mm	SB, mm	SE, mm	Mass, kg
XY-P177S030-2	300	500	200	200	150	4.8
XY-P177S040-2	400	600	300	250	200	5.4
XY-P177S050-2	500	700	400	300	250	6.0
XY-P177S060-2	600	800	500	350	300	6.6
XY-P177S080-2	800	1000	700	450	400	7.8
XY-P177S100-2	1000	1200	900	550	500	9.0

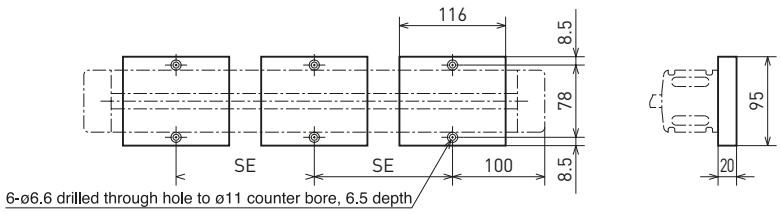
Support bracket

Reference number:
XY-P177BGHM-1



Module mounting plate

Reference number:
XY-P170S-2



* We recommend three plates per slide. Reference number designates a quantity of 1 plate.

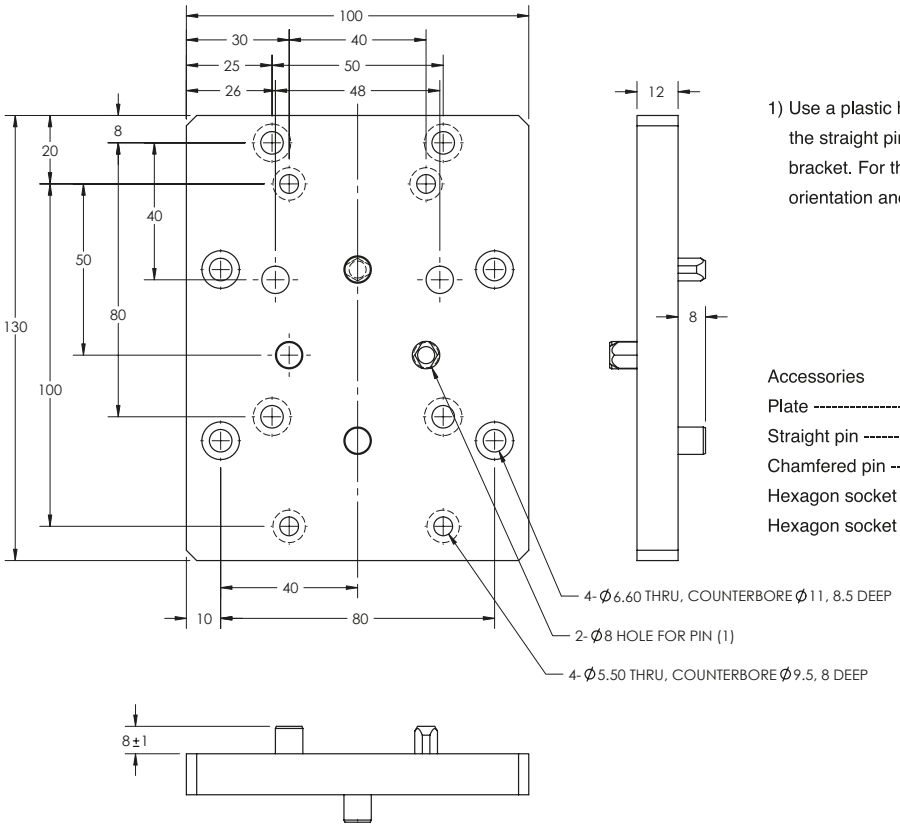
COMBINING BRACKETS

XY	-	P175	G	H	M	-	1
		SERIES **P175:** R Series	COMBINATION TYPE	MODULE SIZE ATTACHED TO THE FIXED SIDE	MODULE SIZE ATTACHED TO THE MOVING SIDE		DESIGN NUMBER



- Brackets for combining modules into 2-axis and 3-axis mechanisms.
- Combining brackets contain dowel pins to ensure a high reproducibility of assembly accuracy.

XY-P175DSS-1

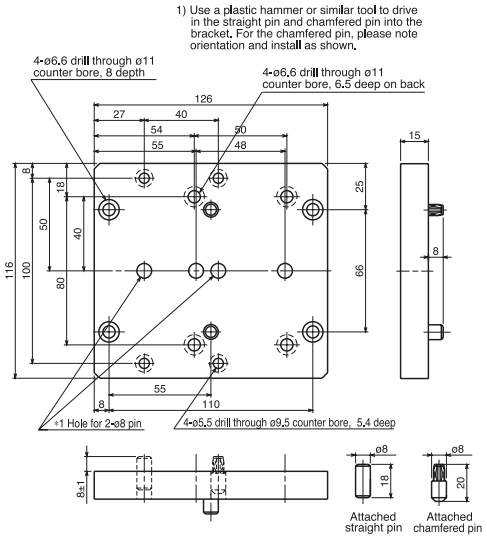


1) Use a plastic hammer or similar tool to install the straight pin and chamfered pin into the bracket. For the chamfered pin, please note orientation and install as shown.

Accessories

Plate	1 pc.
Straight pin	1 pc.
Chamfered pin	1 pc.
Hexagon socket head cap screw M5×18	8 pcs.
Hexagon socket head cap screw M6×10	8 pcs.

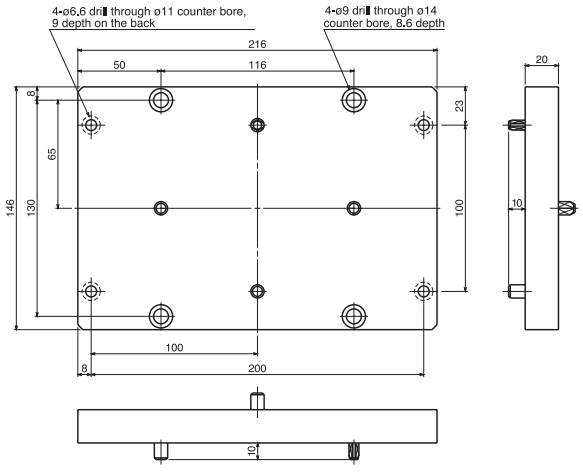
XY-P175DMS-1



About 0.6kg

Accessories:
Straight pin ---------- 1 pc.
Chamfered pin ---------- 1 pc.
Hexagon socket head cap screw M5×18 ------ 4 pcs.
Hexagon socket head cap screw M6×16 ------ 8 pcs.

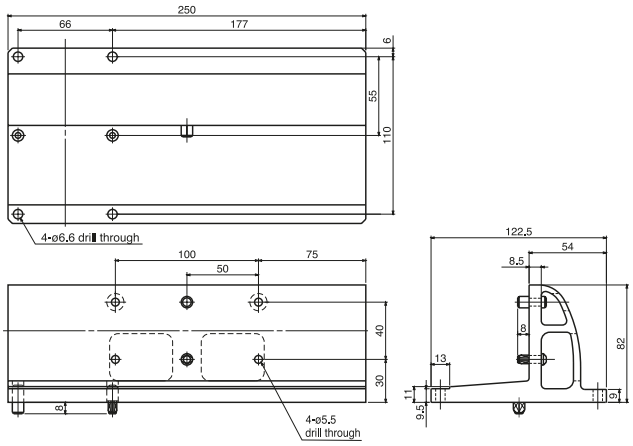
XY-P175DHM-1



About 1.6kg

Accessories
Hexagon socket head cap screw M6×20 ------ 4 pcs.
Hexagon socket head cap screw M8×25 ------ 4 pcs.

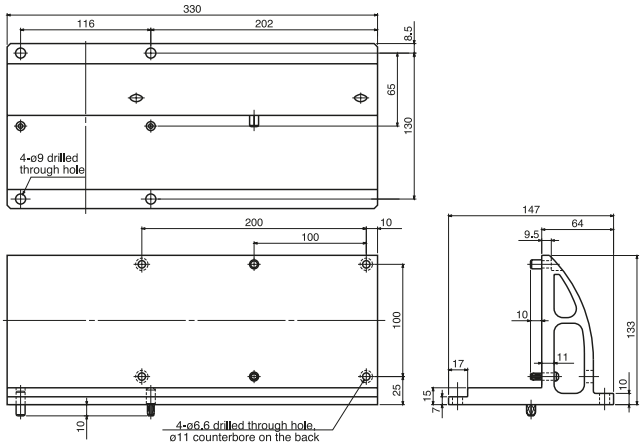
XY-P175GMS-1



About 1.6kg

Accessories
Hexagon socket head cap screw M6×18 ------ 4 pcs.
Hexagon socket head cap screw M5×16 ------ 4 pcs.

XY-P175GHM-1



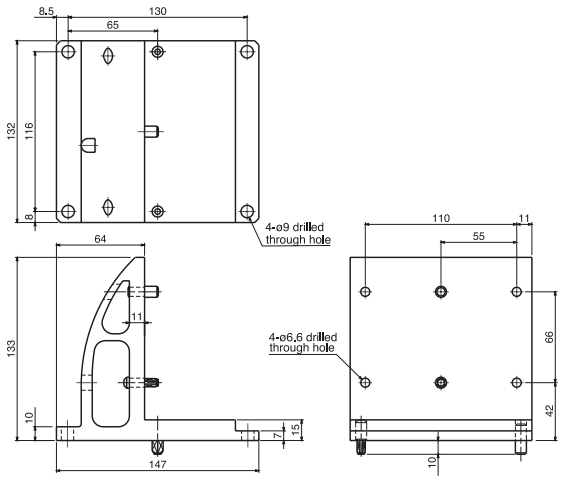
About 3.6kg

Accessories
Hexagon socket head cap screw M8×20 ------ 4 pcs.
Hexagon socket head cap screw M6×20 ------ 4 pcs.

Mirror image bracket: XY-P175GHM-2

COMBINING BRACKETS (CONTINUED)

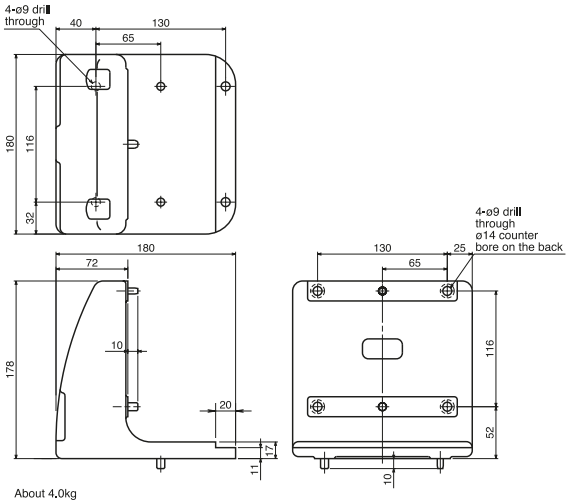
XY-P175XHM-1



About 1.4kg

Accessories
Hexagon socket head cap screw M8×20 ------ 4 pcs.
Hexagon socket head cap screw M6×20 ------ 4 pcs.

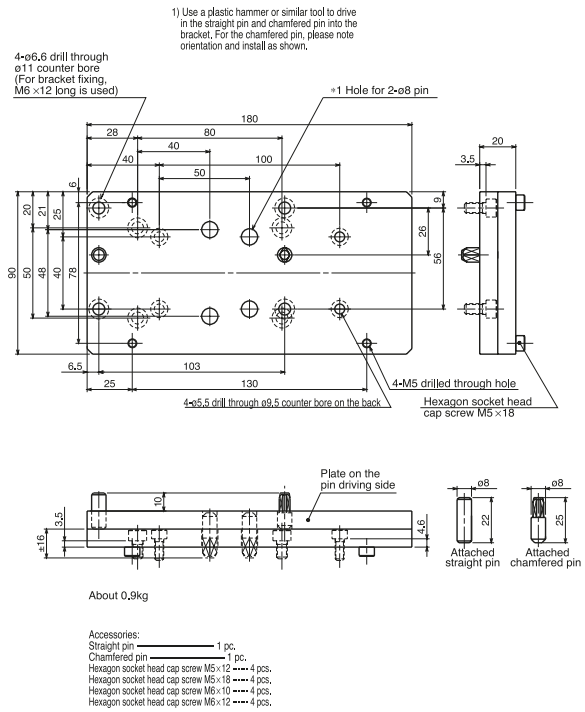
XY-P175XHH-1



About 4.0kg

Accessory
Hexagon socket head cap screw M8×25 ------ 8 pcs.

XY-P175CMS-1



About 0.9kg

Accessories:
Straight pin ———— 1 pc.
Chamfered pin ———— 1 pc.
Hexagon socket head cap screw M5×12 ---- 4 pcs.
Hexagon socket head cap screw M5×18 ---- 4 pcs.
Hexagon socket head cap screw M6×10 ---- 4 pcs.
Hexagon socket head cap screw M6×12 ---- 4 pcs.

MODULE MOUNTING PLATES

XY - **P170** **H** - **1**

SERIES
P170: R Series

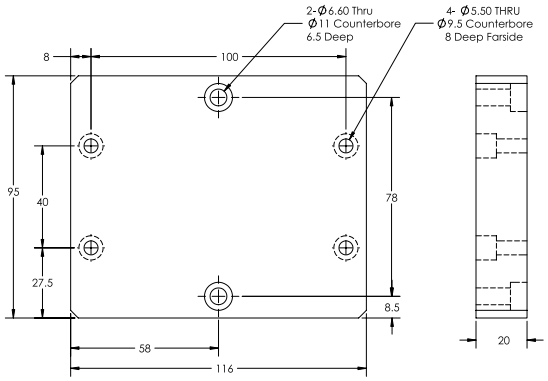
MODULE TYPE
H: RH Module
M: RM Module
S: RS Module

DESIGN NUMBER



- These plates are used for mounting the module in a “top down manner”.
- Two mounting plates are required per fixed module.
- Part number designates a quantity of one mounting plate.

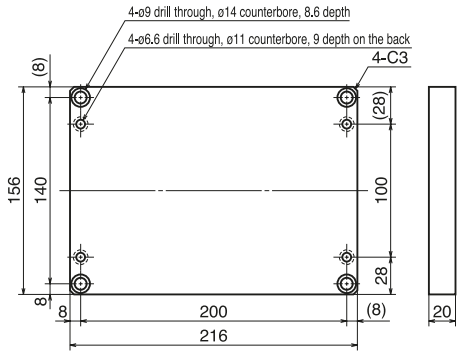
XY-P170S-2



About 0.4kg

Accessory
Hexagon socket head bolt M5 x 20 — 4 pcs

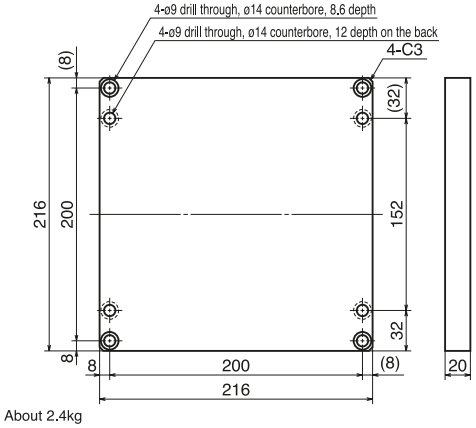
XY-P170M-1



About 1.8kg

Accessory
Hexagon socket head bolt M6×20 ---- 4 pcs.

XY-P170H-1



About 2.4kg

Accessory
Hexagon socket head bolt M8×20 ---- 4 pcs.

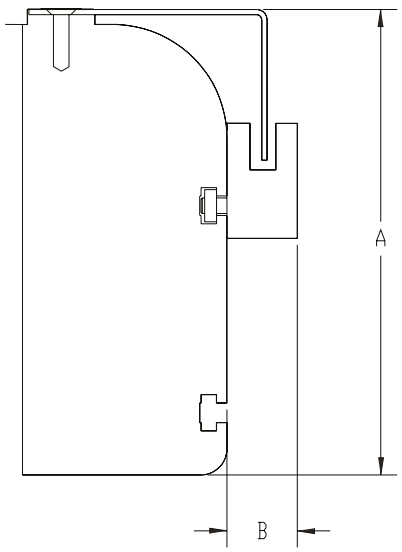
LIMIT SENSOR KITS

XY - L 3542 RM

SENSOR KIT
3542: RH Sensor Kit
3543: RM Sensor Kit
3544: RS Sensor Kit

- Provides necessary hardware to set module stroke limits and home position externally.
- Specially designed kit for each module type.
- Sensors are mounted using module T-slots for maximum flexibility in positioning sensors.
- Kits come with "High-Flex" sensor cable for high reliability.
- Sensor flag mounts below slider mounting surface.

Module Cross Section



	Dimension A	Dimension B
RH Module	90mm	14mm
RM Module	85mm	14mm
RS Module	70mm	14mm



RH MODULE SENSOR KIT- PN XY-L3542RM

- RH Module Limit Sensor Flag ..... qty 1
- Limit Sensor (Omron EE-SX672A) ..... qty 3
- Limit Sensor Cable with Connector, 2m long (Omron EE-1010-R2M) ..... qty 3
- Limit Sensor T-Slot Nut Plate ..... qty 3
- M3 x 8 Socket Head Cap Screw ..... qty 6
- M3 x 6 Flat Head Screw ..... qty 1

RM MODULE SENSOR KIT- PN XY-L3543RM

- RM Module Limit Sensor Flag ..... qty 1
- Limit Sensor (Omron EE-SX672A) ..... qty 3
- Limit Sensor Cable with Connector, 2m long (Omron EE-1010-R2M) ..... qty 3
- Limit Sensor T-Slot Nut Plate ..... qty 3
- M3 x 8 Socket Head Cap Screw ..... qty 6
- M3 x 6 Flat Head Screw ..... qty 1

RS MODULE SENSOR KIT- PN XY-L3544RM

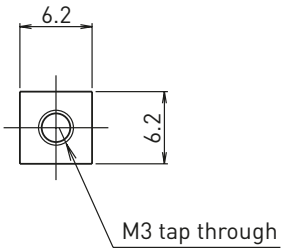
- RS Module Limit Sensor Flag ..... qty 1
- Limit Sensor (Omron EE-SX672A) ..... qty 3
- Limit Sensor Cable with Connector, 2m long (Omron EE-1010-R2M) ..... qty 3
- Limit Sensor T-Slot Nut Plate ..... qty 3
- M3 x 8 Socket Head Cap Screw ..... qty 6
- M3 x 6 Flat Head Screw ..... qty 1

SQUARE NUT FOR MODULE T-SLOTS

XY	-	P170	M	3	-	1

- This nut is used to secure accessories to the side of the module.
- Nuts are supplied in sets of 4.
- T-slot locations are shown below for the various module types.

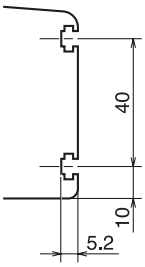
XY-P170M3-1



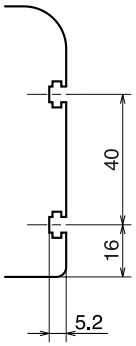
t=2.3

T-SLOT LOCATIONS ON MODULES

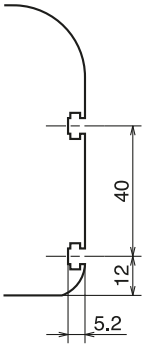
RS Module



RM Module



RH Module





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