

# N15



## Ordering method

### N15-20

Model	Lead designation	Cable carrier entry location	Cable carrier specification	Origin position change	Grease type	Stroke	Cable length	Positioner	Driver: Power-supply voltage / Power capacity	Regenerative unit	LCD monitor	I/O selection	Battery
		RH: Horizontal, right LH: Horizontal, left RW: Wall, right LW: Wall, left	S: Standard M: Optional C: Cable carrier	Hori- zonal None: R side (Standard) Z: L side Wall None: L side (Standard) Z: R side	None: Standard GC: Clean	500 to 2000 (100mm pitch)	3L: 3.5m 5L: 5m 10L: 10m 3K/5K/10K (Flexible cable)	TSX TSX: TS-X	220: 200V/400 to 600W	R: With RGT	No entry: None L: With LCD	N: NPN PN: PNP CC: CC-Link DN: DeviceNet™ EP: EtherNet/IP™ PT: PROFINET GW: No I/O board	B: With battery (Absolute) N: None (Incremental)

SR1-X	20	R	I/O selection	Battery
Controller	Driver: Power capacity 20: 400 to 600W	Usable for CE No entry: Standard E: CE marking	R: With RGT	N: NPN P: PNP CC: CC-Link DN: DeviceNet™ PB: PROFIBUS

RDV-X	2	20	RBR1
Driver	Power-supply voltage 2: AC200V	Driver: Power capacity 20: 600W or less	Regenerative unit

Note 1. To find information on cable carrier extraction directions see P.299.  
 Note 2. The robot cable is standard cable (3L/5L/10L), but can be changed to flexible cable. See P.732 for details on robot cable.  
 Note 3. See P.634 for DIN rail mounting bracket.  
 Note 4. Select this selection when using the gateway function. For details, see P.96.

## Specifications

AC servo motor output (W)	400
Repeatability (mm)	+/-0.01
Deceleration mechanism	Ball screw $\phi 15$
Ball screw lead (mm)	20
Maximum speed (mm/sec)	1200
Maximum payload (kg)	50
Rated thrust (N)	339
Stroke (mm)	500 to 2000 (100mm pitch)
Overall length (mm)	Stroke+330
Maximum dimensions of cross section of main unit (mm)	W145 x H120
Cable length (m)	Standard: 3.5 / Option: 5.10
Linear guide type	4 rows of circular arc grooves x 2 rail
Position detector	Resolvers
Resolution (Pulse/rotation)	16384

Note 1. Positioning repeatability in one direction.  
 Note 2. The maximum speed may not be reached when the moving distance is short.  
 Note 3. Position detectors (resolvers) are common to incremental and absolute specifications. If the controller has a backup function then it will be absolute specifications.

## Allowable overhang

Lead	Horizontal installation (Unit: mm)			Wall installation (Unit: mm)		
	A	B	C	A	B	C
20	10kg 3048	2322	1259	10kg 1258	1823	2449
30	1489	841	500	428	545	1039
	50kg 1278	544	344	50kg 248	289	749

Note. Distance from center of slider top to center of gravity of object being carried at a guide service life of 10,000 km.

## Static loading moment

(Unit: N·m)		
MY	MP	MR
691	692	608

## Controller

Controller	Operation method
SR1-X20-R RCX320 RCX221/222 RCX340	Programming / I/O point trace / Remote command / Operation using RS-232C communication
TS-X220-R	I/O point trace / Remote command
RDV-X220-RBR1	Pulse train control

## Cable carrier for users

**S type Standard cable carrier**  
 Note. Cannot pass more than 3 urethane hoses ( $\phi 6 \times 4$ ).

**M type Optional cable carrier**  
 Space for optional cable for users

## N15: Horizontal installation / Standard Cable carrier specification

**VIEW K**: Shows cable carrier with dimensions 12, 50, 2-M5 x 0.8 Depth10.

**Cross-section H-H**: Shows dimensions 17, 6, 11, 145, 61, 58, 119, 145, 120, 24, 123, 24, 145, 119.

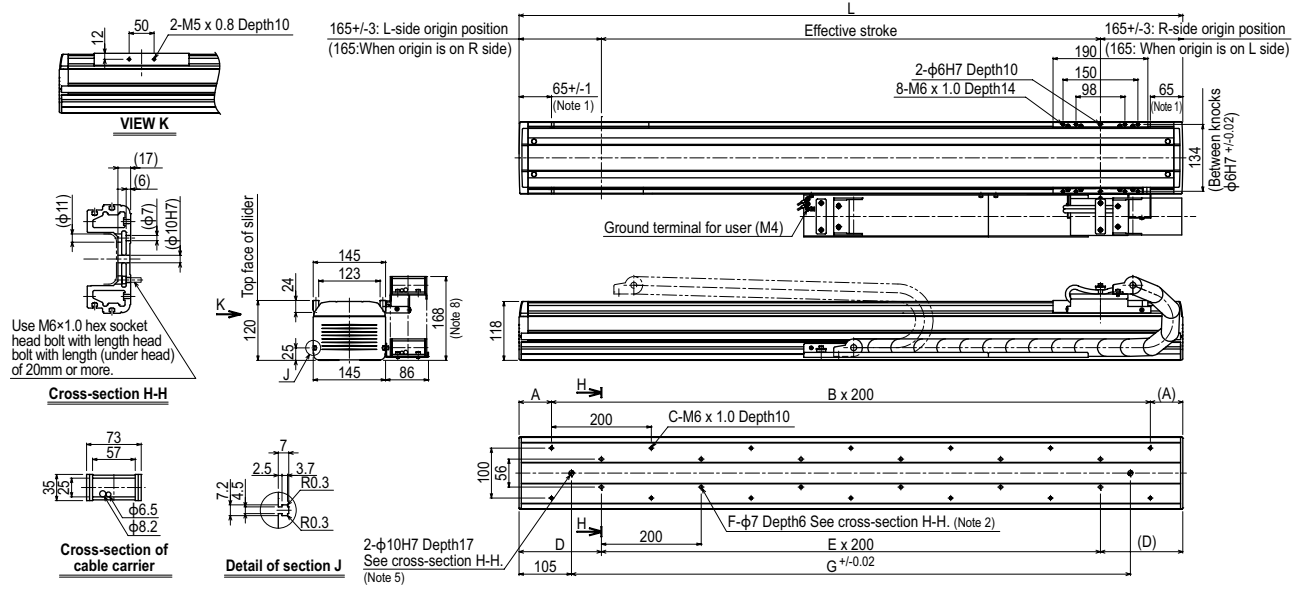
**Detail of section J**: Shows dimensions 40, 1.4, 7.2, 4.5, 3.7, R0.3, 2- $\phi 10H7$  Depth17.

**VIEW L**: Shows horizontal installation with dimensions 165+/-3, Effective stroke L, 165+/-3, 65+/-1, 2- $\phi 6H7$  Depth10, 8-M6 x 1.0 Depth14, 190, 150, 65, 13.4, 118, 200, C-M6 x 1.0 Depth10, B x 200, 100, 56, 105, F- $\phi 7$  Depth6, E x 200, G +/-0.02.

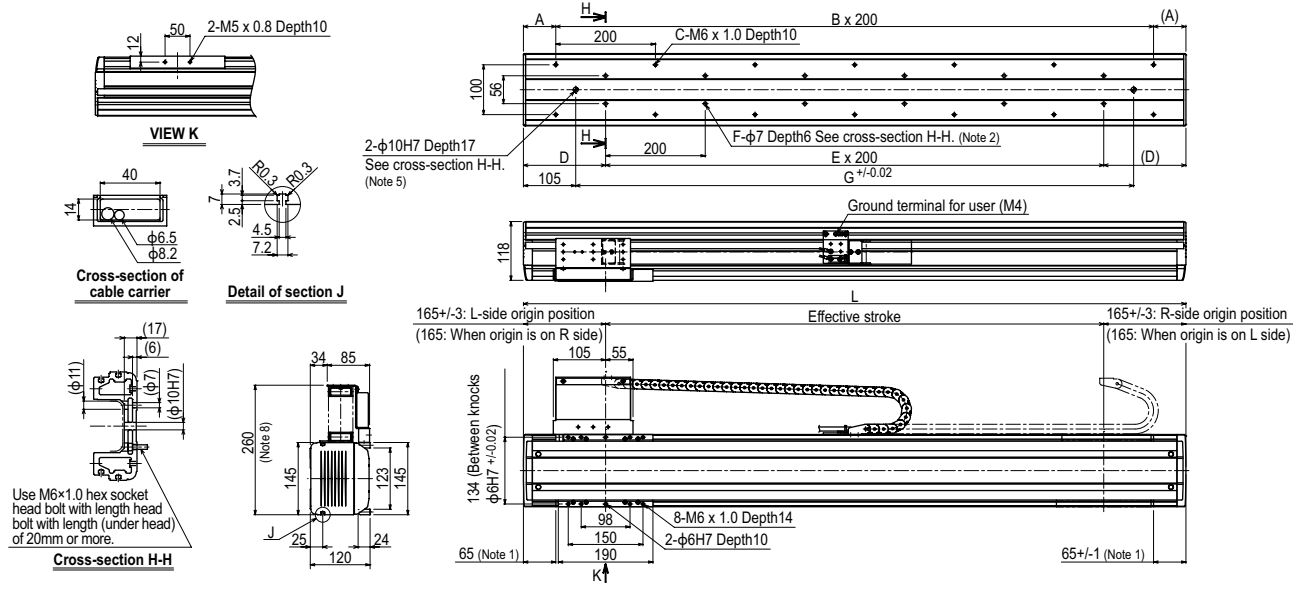
Note 1. Stop positions are determined by the mechanical stoppers at both ends.  
 Note 2. When using  $\phi 7$  holes for installation, do not use a washer, spring washer, etc. in the main unit.  
 Note 3. When shipped from the factory, the horizontal model has the origin on the right side and the wall model has the origin on the left side. (This diagram shows the machine whose cable carrier taken out from right.)  
 Note 4. If the model is a standard cable carrier specification, it is not possible to pass 3 or more  $\phi 6 \times 4$  urethane air hoses.  
 Note 5. When using a  $\phi 10H7$  hole, make sure that the pin does not go into deeper than as shown in the drawing.  
 Note 6. Contact us for vertical installation.  
 Note 7. Weight of models with no brake. The weight of brake-attached models is 1 kg heavier than the models with no brake shown in the table.  
 Note 8. Depending on the stroke and the operating conditions, the cable carrier bending radius might be larger, making it higher than the dimensions shown in the diagram.

Effective stroke	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
L	830	930	1030	1130	1230	1330	1430	1530	1630	1730	1830	1930	2030	2130	2230	2330
A	15	65	15	65	15	65	15	65	15	65	15	65	15	65	15	65
B	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11
C	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24
D	115	165	115	165	115	165	115	165	115	165	115	165	115	165	115	165
E	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10
F	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22
G	620	720	820	920	1020	1120	1220	1320	1420	1520	1620	1720	1820	1920	2020	2120
Weight (kg)	19	20	22	23	24	26	27	29	30	32	33	35	36	38	39	40

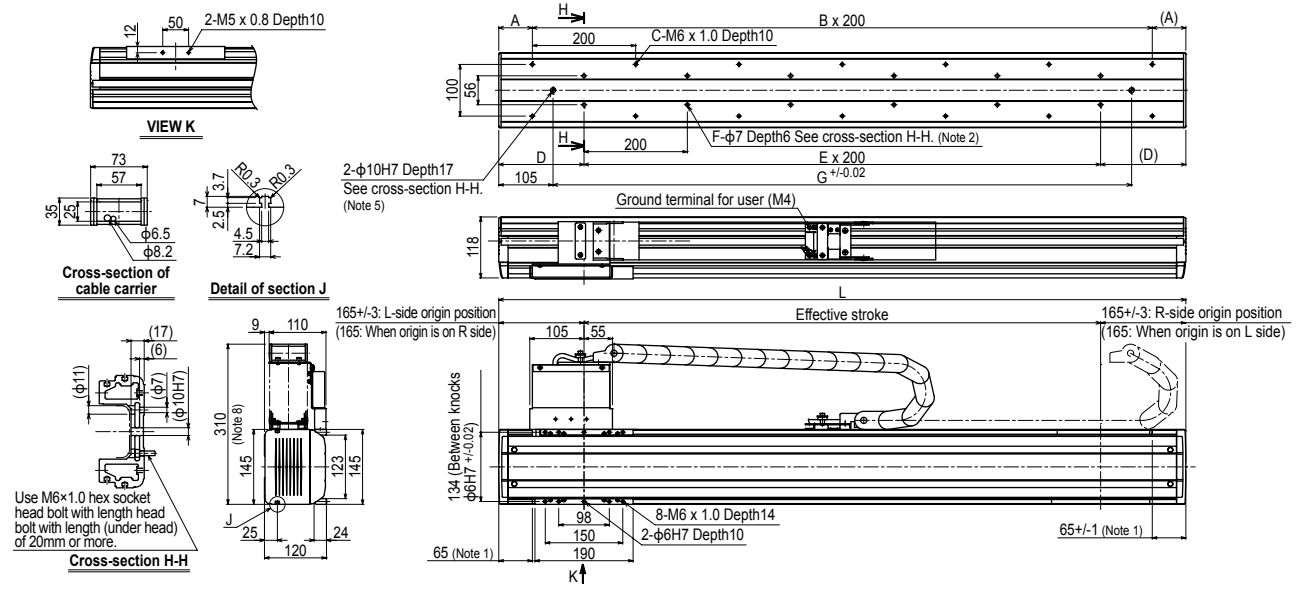
N15: Horizontal installation / Optional Cable carrier specification **RH**



N15: Wall installation / Standard Cable carrier specification **RW**



N15: Wall installation / Optional Cable carrier specification **RW**



- Articulated robots **YA**
- Linear conveyor modules **LCM**
- Single-axis robots **CX**
- Multi-axis single axis actuator **Robomity**
- Compact single-axis robots **TRANSEVO**
- Single-axis robots **FLIP-X**
- Linear motor single-axis robots **PHASER**
- Cartesian robots **XY-X**
- SCARA robots **YK-X**
- Pick & place robots **YP-X**
- CLEAN
- CONTROLLER
- INFORMATION
- T type
- F type
- GF type
- N type**
- BR type

# N15D

● Double carriage

## Ordering method

**N15D- 20**

Model	Lead designation	Installation direction	Cable carrier specification	Option	Stroke	Cable length	Controller <sup>Note 1</sup>
		H: Horizontal installation W: Wall installation	S: Standard Cable carrier M: Optional Cable carrier	Grease type: None: Standard GC: Clean	250 to 1750 (100mm pitch)	3L: 3.5m 5L: 5m 10L: 10m 3K/5K/10K (Flexible cable) <sup>Note 3</sup>	RCX320 RCX222HP SR1-X (2 units) <sup>Note 2</sup> TS-X (2 units) <sup>Note 2</sup> RDV-X (2 units) <sup>Note 2</sup>

Note 1. To find controller selection options, see the ordering method on each controller page.

Note 2. 2 units are required when using SR1-X, TS-X or RDV-X.

Note 3. If a flexible cable is needed for the SR1-X, TS-X, or RDV-X, then select 3K/5K/10K. On the RCX320/RCX222HP, the standard cable is a flexible cable, so enter 3L/5L/10L when ordering.

## Specifications

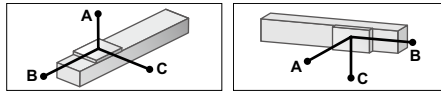
AC servo motor output (W)	400
Repeatability <sup>Note 1</sup> (mm)	+/-0.01
Deceleration mechanism	Ball screw $\phi 15$
Ball screw lead (mm)	20
Maximum speed <sup>Note 2</sup> (mm/sec)	1200
Maximum payload (kg)	50
Rated thrust (N)	339
Stroke (mm)	250 to 1750 (100mm pitch)
Overall length (mm)	Stroke+330
Maximum dimensions of cross section of main unit (mm)	W145 x H120
Cable length (m)	Standard: 3.5 / Option: 5.10
Linear guide type	4 rows of circular arc grooves x 2 rail
Position detector	Resolvers <sup>Note 3</sup>
Resolution (Pulse/rotation)	16384

Note 1. Positioning repeatability in one direction.

Note 2. The maximum speed may not be reached when the moving distance is short.

Note 3. Position detectors (resolvers) are common to incremental and absolute specifications. If the controller has a backup function then it will be absolute specifications.

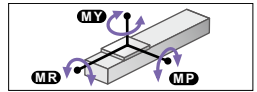
## Allowable overhang<sup>Note</sup>



Horizontal installation (Unit: mm)	Horizontal installation (Unit: mm)			Wall installation (Unit: mm)	Wall installation (Unit: mm)			
	A	B	C		A	B	C	
Lead 20	10kg	3048	2322	1259	10kg	1258	1823	2449
	30kg	1489	841	500	30kg	428	545	1039
	50kg	1278	544	344	50kg	248	289	749

Note. Distance from center of slider top to center of gravity of object being carried at a guide service life of 10,000 km.

## Static loading moment



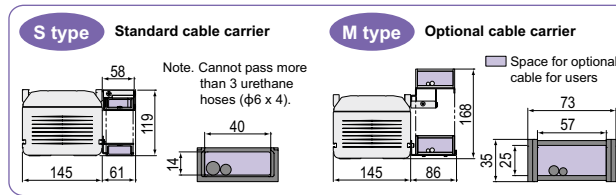
(Unit: N·m)		
MY	MP	MR
691	692	608

## Controller

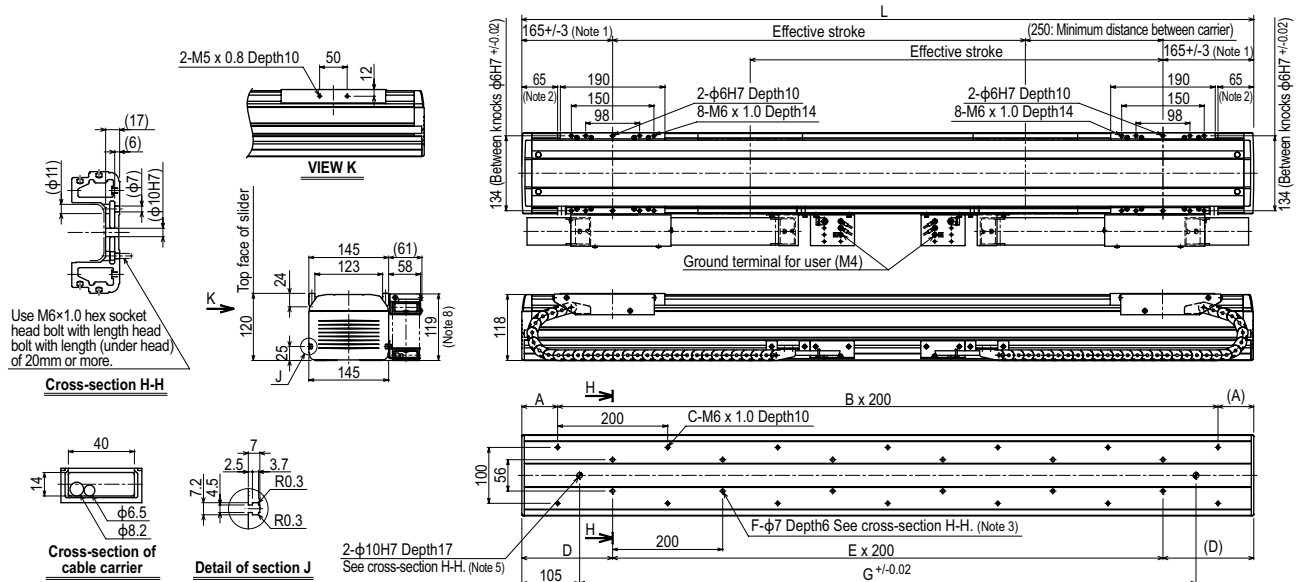
Controller	Operation method
RCX320-R	Programming / I/O point trace / Remote command / Operation using RS-232C communication
RCX222HP-R	
SR1-X20-R <sup>Note</sup>	I/O point trace / Remote command
TS-X220-R <sup>Note</sup>	I/O point trace / Remote command
RDV-X20-RBR1 <sup>Note</sup>	Pulse train control

Note. 2 units are required when using SR-1, TS-X or RDV-X.

## Cable carrier for users



## N15D: Horizontal installation / Standard Cable carrier specification



Note 1. Position of table carriage when searched to the origin.

Note 2. Stop positions are determined by the mechanical stoppers at both ends.

Note 3. When using  $\phi 7$  holes for installation, do not use a washer, spring washer, etc. in the main unit.

Note 4. If the model is a standard cable carrier specification, it is not possible to pass 3 or more  $\phi 6 \times 4$  urethane air hoses.

Note 5. When using a  $\phi 10H7$  hole, make sure that the pin does not go into deeper than as shown in the drawing.

Note 6. Contact us for vertical installation.

Note 7. Weight of models with no brake. The weight of brake-attached models is 1 kg heavier than the models with no brake shown in the table.

Note 8. Depending on the stroke and the operating conditions, the cable carrier bending radius might be larger, making it higher than the dimensions shown in the diagram.

Effective stroke	250	350	450	550	650	750	850	950	1050	1150	1250	1350	1450	1550	1650	1750
L	830	930	1030	1130	1230	1330	1430	1530	1630	1730	1830	1930	2030	2130	2230	2330
A	15	65	15	65	15	65	15	65	15	65	15	65	15	65	15	65
B	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11
C	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24
D	115	165	115	165	115	165	115	165	115	165	115	165	115	165	115	165
E	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10
F	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22
G	620	720	820	920	1020	1120	1220	1320	1420	1520	1620	1720	1820	1920	2020	2120
Weight (kg) <sup>Note 7</sup>	24	26	27	29	30	32	33	35	36	38	39	40	42	43	45	46

Articulated  
robots  
YA

Linear conveyor/  
modules  
LCM

Single-axis robots  
CX

Multi-axis single  
axis actuator  
Robotomy

Compact  
single-axis robots  
TRANSEVO

Single-axis robots  
FLIP-X

Linear motor  
single-axis robots  
PHASER

Cartesian  
robots  
XY-X

SCARA  
robots  
YK-X

Pick & place  
robots  
YP-X

CLEAN

CONTROLLER

INFORMATION

T type

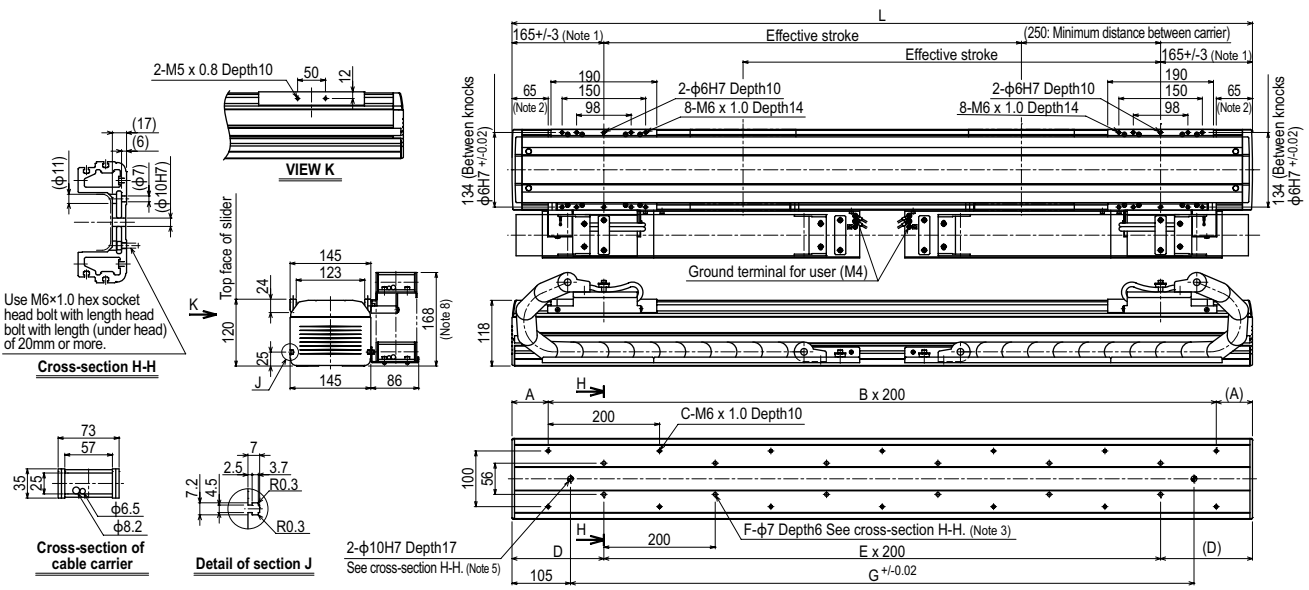
F type

GF type

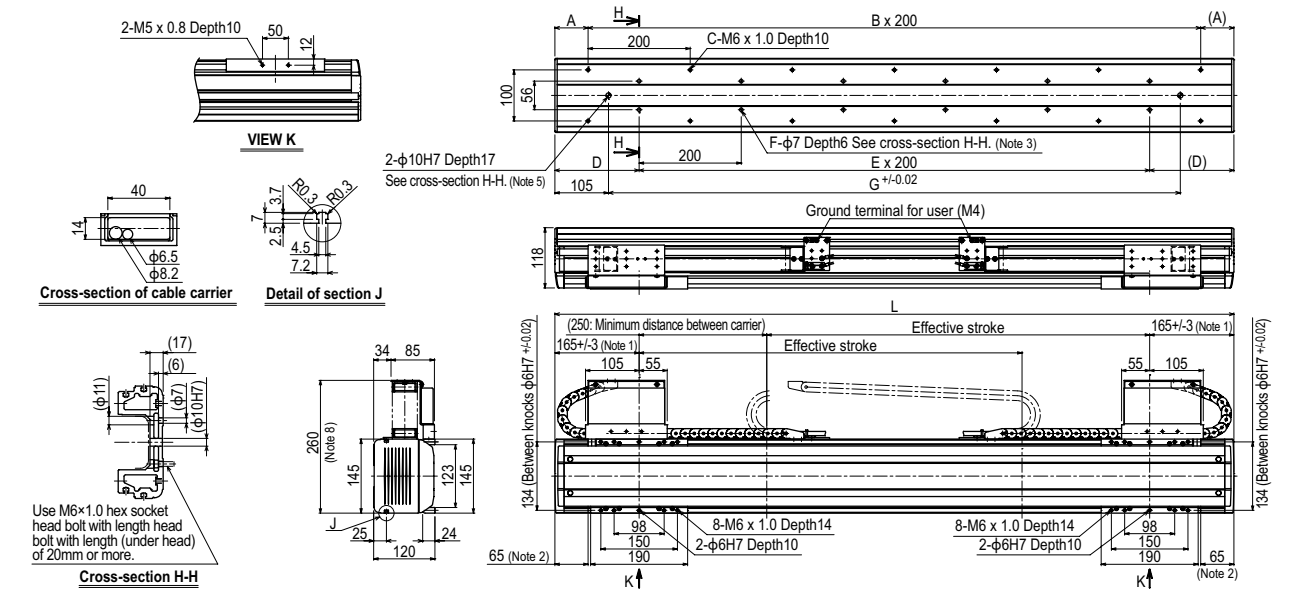
N type

BR type

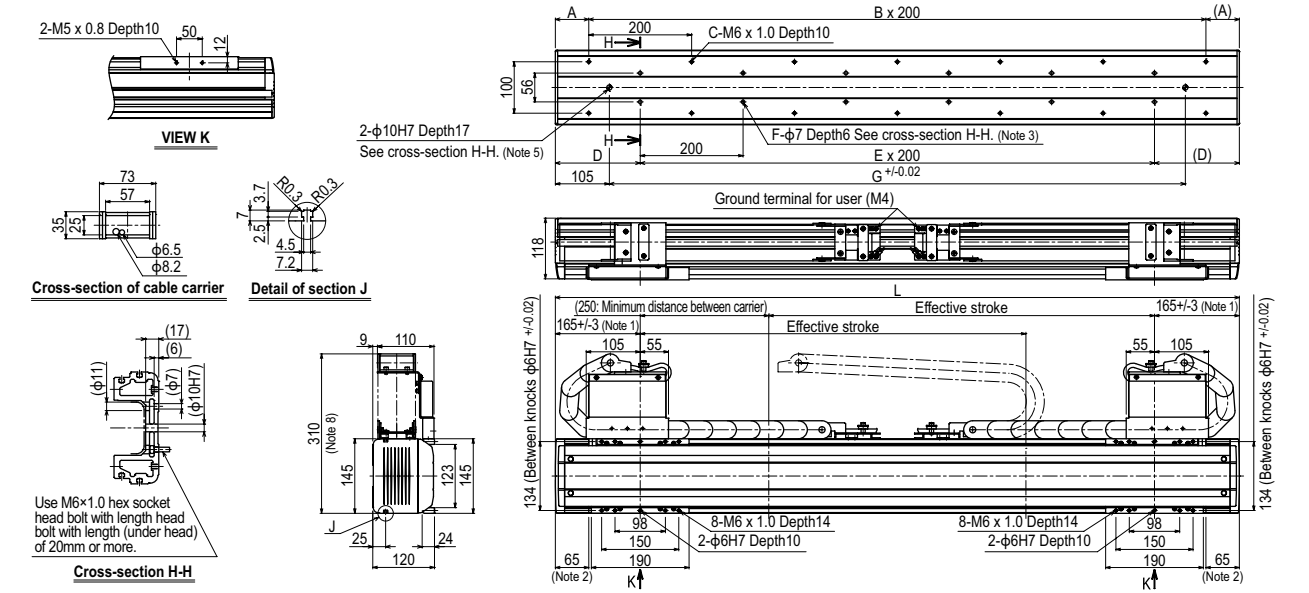
N15D: Horizontal installation / Optional Cable carrier specification



N15D: Wall installation / Standard Cable carrier specification



N15D: Wall installation / Optional Cable carrier specification



# N18



## Ordering method

**N18-20**

Model	Lead designation	Cable carrier entry location	Cable carrier specification	Origin position change	Grease type	Stroke	Cable length	Positioner	Driver	Regenerative unit	LCD monitor	I/O selection	Battery
		RH: Horizontal, right LH: Horizontal, left RW: Wall, right LW: Wall, left	S: Standard M: Optional C: Cable carrier	Hori- zontal None: R side (Standard) Z: L side Wall None: L side (Standard) Z: R side	None: Standard GC: Clean	500 to 2500 (100mm pitch)	3L: 3.5m 5L: 5m 10L: 10m 3K/5K/10K (Flexible cable)	TSX TSX: TS-X	Driver: Power-supply voltage / Power capacity 220: 200V/400 to 600W	R R: With RGT	No entry: None L: With LCD	NP: NPN PN: PNP CC: CC-Link DN: DeviceNet™ EP: EtherNet/IP™ PT: PROFINET GW: No I/O board	B: With battery (Absolute) N: None (Incremental)

SR1-X	20	R	I/O selection	Battery
Controller	Driver: Power capacity 20: 400 to 600W	Usable for CE No entry: Standard E: CE marking	No entry: None R: With RGT	N: NPN P: PNP CC: CC-Link DN: DeviceNet™ PB: PROFIBUS

RDV-X	2	20	RBR1
Driver	Power-supply voltage 2: AC200V	Driver: Power capacity 20: 600W or less	Regenerative unit

Note 1. To find information on cable carrier extraction directions see P.299.  
 Note 2. The robot cable is standard cable (3L/5L/10L), but can be changed to flexible cable. See P.732 for details on robot cable.  
 Note 3. See P.634 for DIN rail mounting bracket.  
 Note 4. Select this selection when using the gateway function. For details, see P.96.

## Specifications

AC servo motor output (W)	400
Repeatability (mm)	+/-0.01
Deceleration mechanism	Ball screw φ20
Ball screw lead (mm)	20
Maximum speed (mm/sec)	1200
Maximum payload (kg)	80
Rated thrust (N)	339
Stroke (mm)	500 to 2500 (100mm pitch)
Overall length (mm)	Stroke+362
Maximum dimensions of cross section of main unit (mm)	W180 × H115
Cable length (m)	Standard: 3.5 / Option: 5.10
Linear guide type	4 rows of circular arc grooves × 2 rail
Position detector	Resolvers
Resolution (Pulse/rotation)	16384

Note 1. Repeatability for single oscillation.  
 Note 2. The maximum speed may not be reached when the moving distance is short.  
 Note 3. Position detectors (resolvers) are common to incremental and absolute specifications. If the controller has a backup function then it will be absolute specifications.

## Allowable overhang

Horizontal installation (Unit: mm)	Horizontal installation (Unit: mm)			Wall installation (Unit: mm)		
	A	B	C	A	B	C
Lead 20	30kg 3045	1629	1902	30kg 1928	1553	3045
	50kg 2602	961	1150	50kg 1157	885	2602
	80kg 2193	586	716	80kg 707	509	2193

Note. Distance from center of slider top to center of gravity of object being carried at a guide service life of 10,000 km.

## Static loading moment

(Unit: N·m)		
MY	MP	MR
1161	1163	1021

## Controller

Controller	Operation method
SR1-X20-R RCX320 RCX221/222 RCX340	Programming / I/O point trace / Remote command / Operation using RS-232C communication
TS-X220-R	I/O point trace / Remote command
RDV-X220-RBR1	Pulse train control

## Cable carrier for users

**S type Standard cable carrier**  
 Note. Cannot pass more than 3 urethane hoses (φ6 × 4).  
 Dimensions: 180mm width, 114mm height, 58mm depth, 61mm base.

**M type Optional cable carrier**  
 Space for optional cable for users.  
 Dimensions: 180mm width, 166mm height, 86mm base, 73mm depth, 57mm width, 35mm height.

## N18: Horizontal installation / Standard Cable carrier specification

**Cross-section E-E**  
 Use M8 x 1.25 hex socket head bolt with length head bolt with length (under head) of 40mm or more.  
 Dimensions: 179mm total width, 156mm main width, 58mm depth, 36mm height, 115mm height, 22mm height, 180mm width.

**Cross-section of cable carrier**  
 Dimensions: 40mm width, 14mm height, φ6.5, φ8.2.

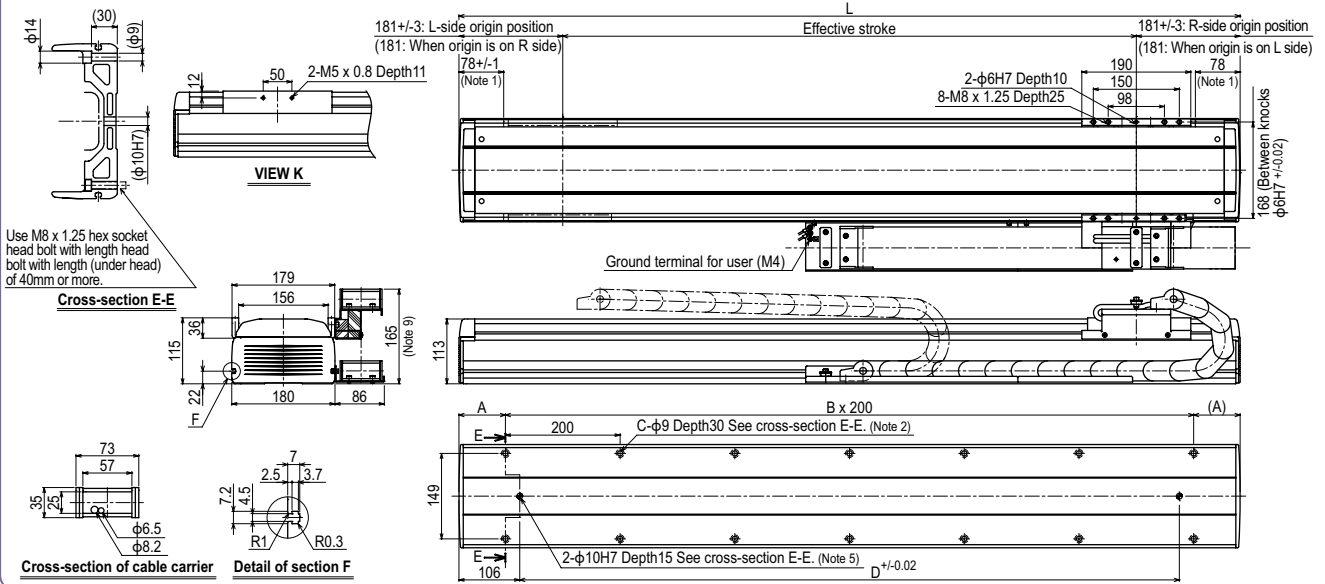
**Detail of section F**  
 Dimensions: 7mm, 3.7mm, 2.5mm, 4.5mm, R1, R0.3.

**Side View**  
 Effective stroke L, 181±/3 L-side origin position, 78±/1 (Note 1), 181±/3 R-side origin position, 190mm, 150mm, 98mm, 2-φ6H7 Depth10, 8-M8 x 1.25 Depth25, 168mm (Between knobs φ6H7 +0.02), Ground terminal for user (M4), (Note 7), A, B x 200, C-φ9 Depth30 See cross-section E-E. (Note 2), 2-φ10H7 Depth15 See cross-section E-E. (Note 5), D ±/0.02.

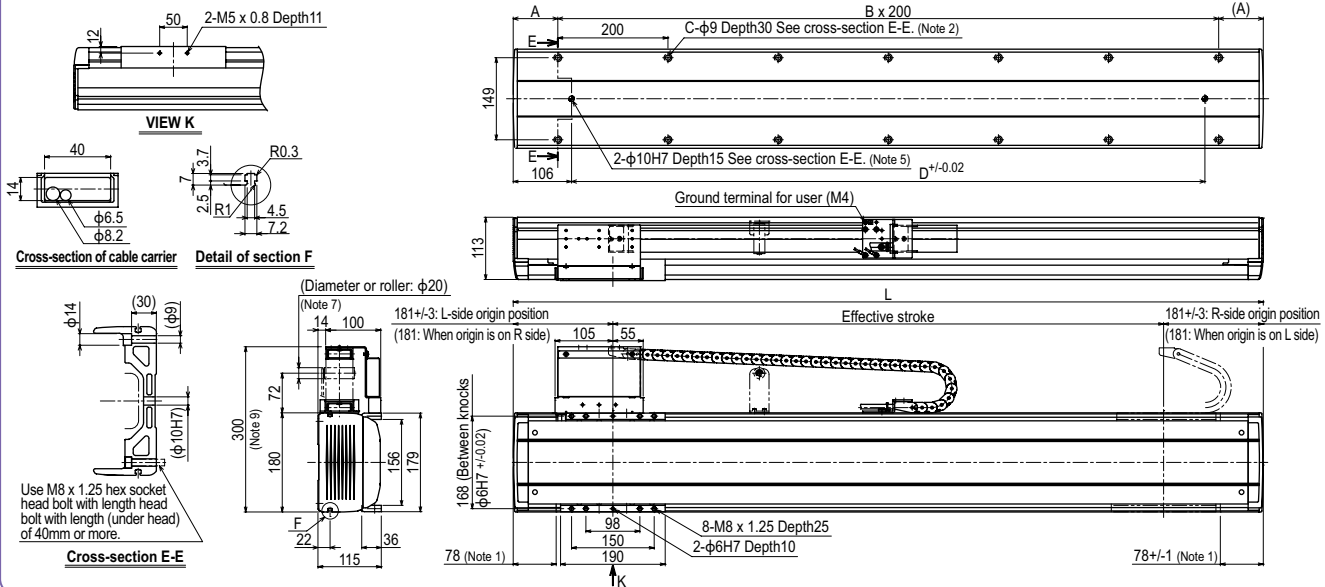
Note 1. Stop positions are determined by the mechanical stoppers at both ends.  
 Note 2. When using φ9 holes for installation, do not use a washer, spring washer, etc. in the main unit.  
 Note 3. When shipped from the factory, the horizontal model has the origin on the right side and the wall model has the origin on the left side. (This diagram shows the machine whose cable carrier taken out from right.)  
 Note 4. If the model is a standard cable carrier specification, it is not possible to pass 3 or more φ6 × 4 urethane air hoses.  
 Note 5. When using a φ10H7 hole, make sure that the pin does not go into deeper than as shown in the drawing.  
 Note 6. Contact us for vertical installation.  
 Note 7. For the robot with more than 2,100 stroke, a roller is installed to prevent the cable carrier hanging.  
 Note 8. Weight of models with no brake. The weight of brake-attached models is 1 kg heavier than the models with no brake shown in the table.  
 Note 9. Depending on the stroke and the operating conditions, the cable carrier bending radius might be larger, making it higher than the dimensions shown in the diagram.

Effective stroke	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500
L	862	962	1062	1162	1262	1362	1462	1562	1662	1762	1862	1962	2062	2162	2262	2362	2462	2562	2662	2762	2862
A	131	81	131	81	131	81	131	81	131	81	131	81	131	81	131	81	131	81	131	81	131
B	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13
C	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28
D	650	750	850	950	1050	1150	1250	1350	1450	1550	1650	1750	1850	1950	2050	2150	2250	2350	2450	2550	2650
Weight (kg)	27	29	31	33	35	37	39	41	43	45	47	48	50	52	54	56	58	60	62	64	66

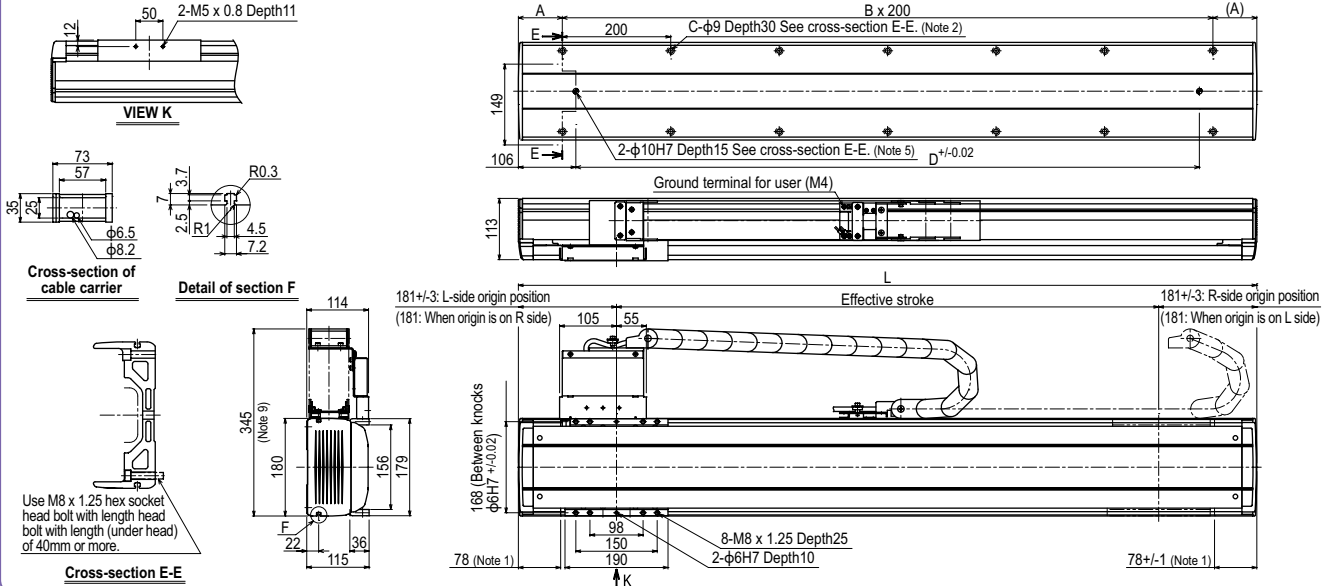
N18: Horizontal installation / Optional Cable carrier specification **RH**



N18: Wall installation / Standard Cable carrier specification **RW**



N18: Wall installation / Optional Cable carrier specification **RW**



Articulated  
robots  
YA

Linear conveyor/  
modules  
LCM

Single-axis robots  
CX

Multi-axis single  
robot  
Robomity

Compact  
single-axis robots  
TRANSEVO

Single-axis robots  
FLIP-X

Linear motor  
single-axis robots  
PHASER

Cartesian  
robots  
XY-X

SCARA  
robots  
YK-X

Pick & place  
robots  
YP-X

CLEAN

CONTROLLER

INFORMATION

T type

F type

GF type

N type

BR type

# N18D

Double carriage

## Ordering method

**N18D - 20**

Model	Lead designation	Installation direction	Cable carrier specification	Option	Stroke	Cable length	Controller <sup>Note 1</sup>
		H: Horizontal installation W: Wall installation	S: Standard Cable carrier M: Optional Cable carrier	Grease type None: Standard GC: Clean	250 to 2250 (100mm pitch)	3L: 3.5m 5L: 5m 10L: 10m 3K/5K/10K [Flexible cable] <sup>Note 3</sup>	RCX320 RCX222HP SR1-X (2 units) <sup>Note 2</sup> TS-X (2 units) <sup>Note 2</sup> RDV-X (2 units) <sup>Note 2</sup>

Note 1. To find controller selection options, see the ordering method on each controller page.

Note 2. 2 units are required when using SR1-X, TS-X or RDV-X.

Note 3. If a flexible cable is needed for the SR1-X, TS-X, or RDV-X, then select 3K/5K/10K. On the RCX320/RCX222HP, the standard cable is a flexible cable, so enter 3L/5L/10L when ordering.

## Specifications

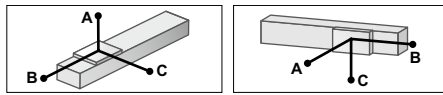
AC servo motor output (W)	400
Repeatability <sup>Note 1</sup> (mm)	+/-0.01
Deceleration mechanism	Ball screw $\phi 20$
Ball screw lead (mm)	20
Maximum speed <sup>Note 2</sup> (mm/sec)	1200
Maximum payload (kg)	80
Rated thrust (N)	339
Stroke (mm)	250 to 2250 (100 pitch)
Overall length (mm)	Stroke+362
Maximum dimensions of cross section of main unit (mm)	W180 x H115
Cable length (m)	Standard: 3.5 / Option: 5, 10
Linear guide type	4 rows of circular arc grooves x 2 rail
Position detector	Resolvers <sup>Note 3</sup>
Resolution (Pulse/rotation)	16384

Note 1. Positioning repeatability in one direction.

Note 2. The maximum speed may not be reached when the moving distance is short.

Note 3. Position detectors (resolvers) are common to incremental and absolute specifications. If the controller has a backup function then it will be absolute specifications.

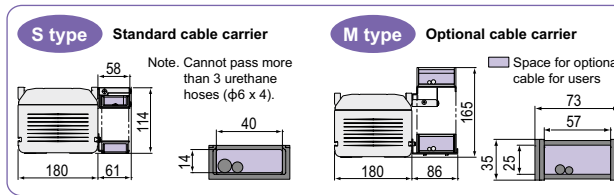
## Allowable overhang<sup>Note</sup>



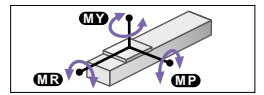
Horizontal installation	(Unit: mm)			Wall installation	(Unit: mm)			
	A	B	C		A	B	C	
Lead 20	30kg	3045	1629	1902	30kg	1928	1553	3045
	50kg	2602	961	1150	50kg	1157	885	2602
	80kg	2193	586	716	80kg	707	509	2193

Note. Distance from center of slider top to center of gravity of object being carried at a guide service life of 10,000 km.

## Cable carrier for users



## Static loading moment



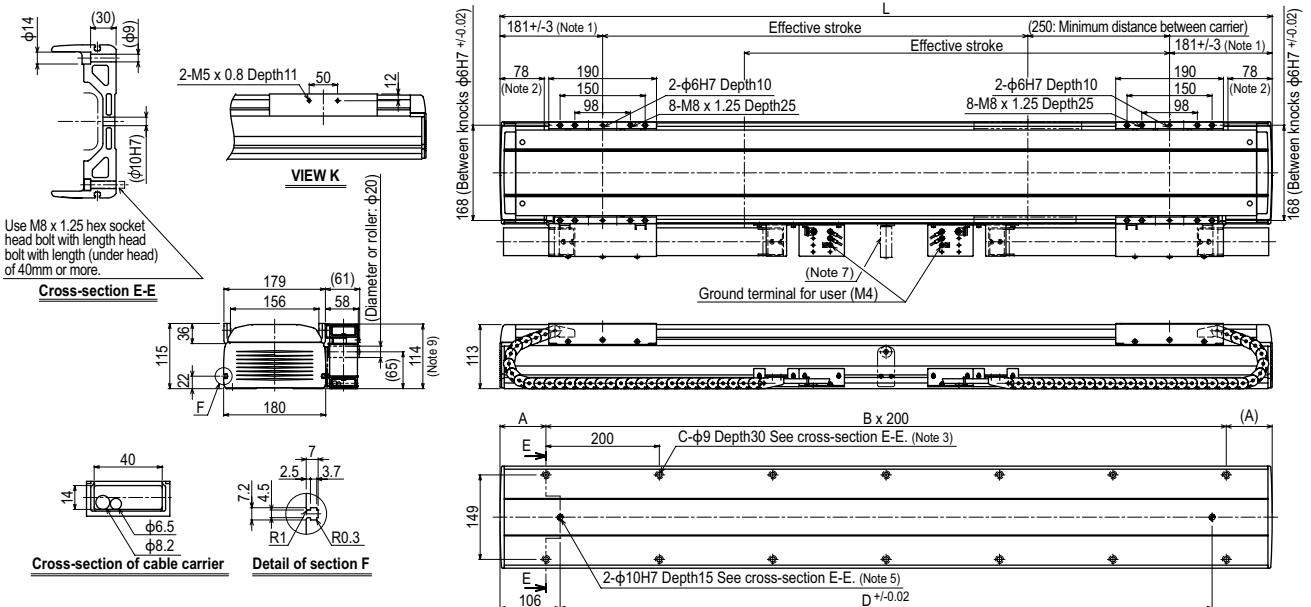
(Unit: N·m)		
MY	MP	MR
1161	1163	1021

## Controller

Controller	Operation method
RCX320-R RCX222HP-R	Programming / I/O point trace / Remote command / Operation using RS-232C communication
SR1-X20-R <sup>Note</sup>	I/O point trace / Remote command
TS-X220-R <sup>Note</sup>	I/O point trace / Remote command
RDV-X20-RBR1 <sup>Note</sup>	Pulse train control

Note. 2 units are required when using SR1-X, TS-X or RDV-X.

## N18D: Horizontal installation / Standard Cable carrier specification



Note 1. Position of table carriage when searched to the origin.  
Note 2. Stop positions are determined by the mechanical stoppers at both ends.  
Note 3. When using  $\phi 9$  holes for installation, do not use a washer, spring washer, etc. in the main unit.  
Note 4. If the model is a standard cable carrier specification, it is not possible to pass 3 or more  $\phi 6 \times 4$  urethane air hoses.  
Note 5. When using a  $\phi 10H7$  hole, make sure that the pin does not go into deeper than as shown in the drawing.  
Note 6. Contact us for vertical installation.  
Note 7. For the robot with more than 2,050 stroke, a roller to prevent the cable carrier from hanging is provided.  
Note 8. Weight of models with no brake. The weight of brake-attached models is 1 kg heavier than the models with no brake shown in the table.  
Note 9. Depending on the stroke and the operating conditions, the cable carrier bending radius might be larger, making it higher than the dimensions shown in the diagram.

Effective stroke	250	350	450	550	650	750	850	950	1050	1150	1250	1350	1450	1550	1650	1750	1850	1950	2050	2150	2250
L	862	962	1062	1162	1262	1362	1462	1562	1662	1762	1862	1962	2062	2162	2262	2362	2462	2562	2662	2762	2862
A	131	81	131	81	131	81	131	81	131	81	131	81	131	81	131	81	131	81	131	81	131
B	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13
C	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28
D	650	750	850	950	1050	1150	1250	1350	1450	1550	1650	1750	1850	1950	2050	2150	2250	2350	2450	2550	2650
Weight (kg) <sup>Note 8</sup>	35	37	39	41	43	45	47	48	50	52	54	56	58	60	62	64	66	68	70	72	74

Articulated robots  
YA

Linear conveyor modules  
LCM

Single-axis robots  
CX

Multi-axis single axis actuator  
Robotomy

Compact single-axis robots  
TRANSERO

Single-axis robots  
FLIP-X

Linear motor single-axis robots  
PHASER

Cartesian robots  
XY-X

SCARA robots  
YK-X

Pick & place robots  
YP-X

CLEAN

CONTROLLER

INFORMATION

T type

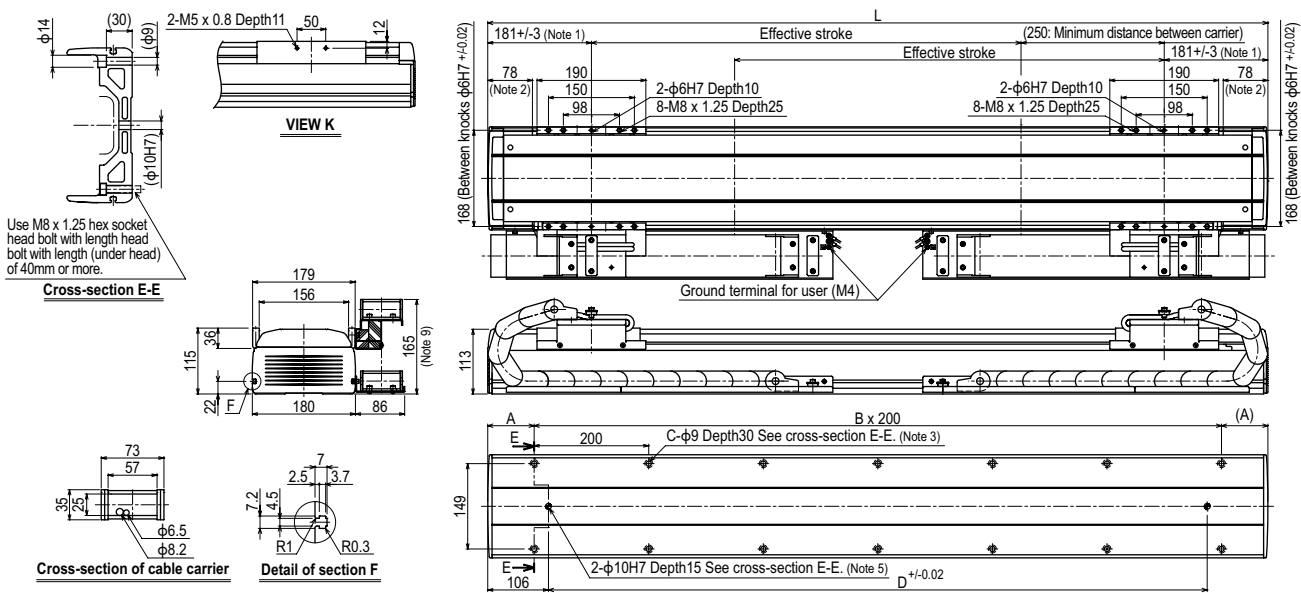
F type

GF type

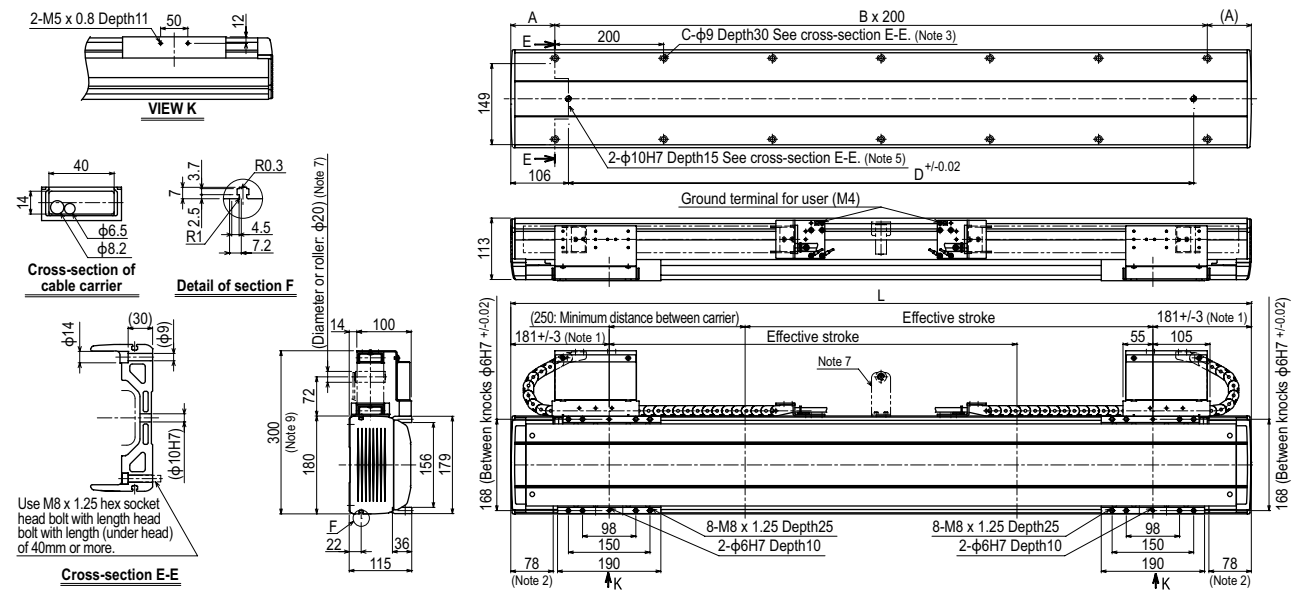
N type

BR type

N18D: Horizontal installation / Optional Cable carrier specification



N18D: Wall installation / Standard Cable carrier specification



N18D: Wall installation / Optional Cable carrier specification

