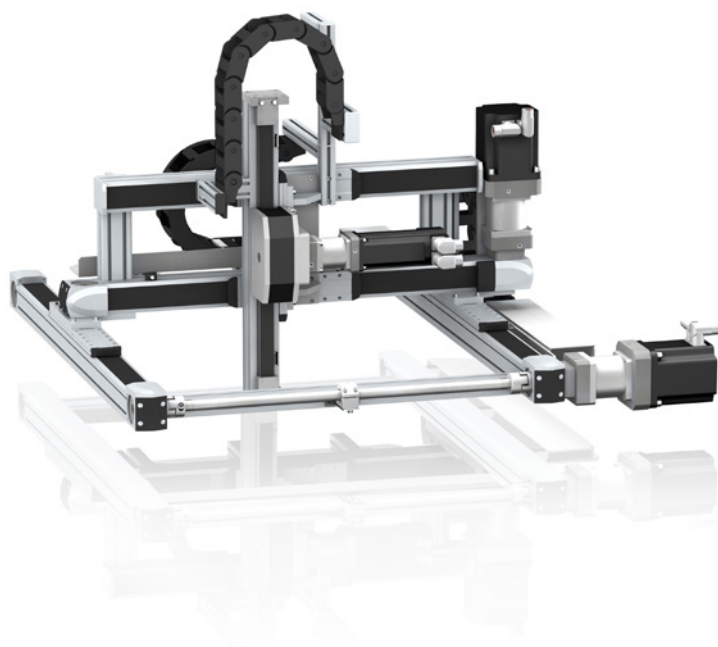


Lexium Cartesian Robots

Multi-axis systems

Catalog

January **2018**



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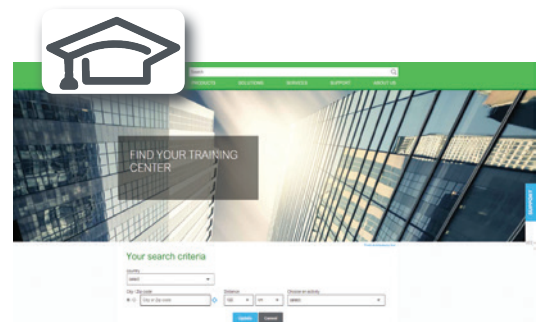
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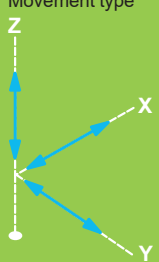
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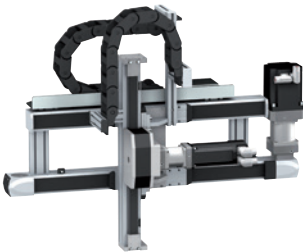
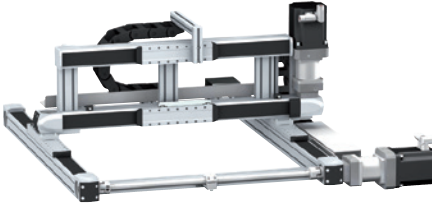
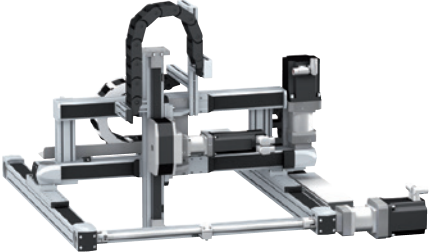
General contents

Lexium Cartesian Robots - Multi-axis systems

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Axis type		Double portal axes	
Movement	Number of directions	1	
	Movement type	Horizontal: Combination of two parallel axes X and X	
		Position of the load	
Multi-axis system type		PAS 4●B axes + PAS 4●H support axis (driven by the load)	PAS 4●B + PAS 4●B axes (shaft-driven)
Drive		Toothed belt on one axis	Toothed belt on both axes
Type of guide		Ball or roller	Ball or roller
			
Main characteristics		■ Long stroke length ■ High dynamic response ■ High precision movement (positioning, guiding)	■ High precision movement (positioning, guiding) ■ High feed forces
Sizes		41, 42, 43, 44	41, 42, 43, 44
working stroke	On the X axis	9 ... 5500 mm	
	On the Y axis	–	
	On the Z axis	–	
Options		■ Choice of guide type: Ball (for applications requiring high forces and torques) or roller (simple, cost-effective solution) ■ Wide range of sensors for the limit switch function ■ Choice of carriage types for adapting the load ■ Option to add carriages ■ Increased corrosion resistance, with cover strip ■ Anti-static belt ■ Protective metal strip ■ Several different motor mounting options ■ Variable distance between the two axes	
Reference		MAX H	MAX S
Page		9	

Linear positioners		Portal robots	
2		3	
Horizontal and vertical: Combination of one X axis and one Z axis		Horizontal: Combination of two perpendicular axes X and Y	Horizontal and vertical: Combination of two perpendicular axes X and Y and one Z axis
On the side or on the end blocks of the Z axis profile		On the Y axis carriage	On the side or on the end blocks of the Z axis profile
■ MAX H + CAS 4 axes ■ MAX H + CAS 3 axes		■ MAX S + MAX H axes ■ MAX S + PAS 4●B axes	■ MAX S + MAX H + CAS 4 axes ■ MAX S + MAX H + CAS 3 axes
Toothed belt on each axis			
Ball or roller			
			
			
■ Dynamic load positioning		■ Long stroke length on both axes	■ Long stroke length on three axes
41, 42, 43, 44		41, 42, 43, 44	41, 42, 43, 44
9 ... 5500 mm			
–		9 ... 1500 mm	9 ... 1500 mm
9 ... 1800 mm		–	9 ... 1800 mm
■ Choice of guide type: Ball (for applications requiring high forces and torques) or roller (simple, cost-effective solution) ■ Wide range of sensors for the limit switch function ■ Increased corrosion resistance, with cover strip ■ Anti-static belt ■ Protective metal strip ■ Several different motor mounting options			
MAX P		MAX R●2	MAX R●3
13		16	17



Lexium Cartesian Robots

Combinations of drive units/multi-axes

Drive element (1)	Type	Double portal axes			
		MAXH41 MAXS41	MAXH42 MAXS42	MAXH43 MAXS43	MAXH44 MAXS44
Stepper motors	BRS368				
	BRS397				
	BRS39A				
	BRS39B				
	BRS3AC				
	BRS3AD				
Integrated stepper motors	ILS1●571				
	ILS1●572				
	ILS1●573				
	ILS1●851				
	ILS1●852				
	ILS1●853				
Integrated servo motors	ILA1●571				
	ILA1●572				
Integrated DC-motors with mounted gearbox	ILE1●661●●●●1				
	ILE1●661●●●●2				
	ILE1●661●●●●3				
	ILE1●661●●●●4				
Servo motors	BSH / SH3 0401				
	BSH / SH3 0402				
	BSH / SH3 0551				
	BSH / SH3 0552				
	BSH / SH3 0553				
	BSH / BMH / ----- / MH3 / SH3 / ILM 0701				
	BSH / BMH / BMi / MH3 / SH3 / ILM 0702				
	BSH / BMH / BMi / MH3 / SH3 / ILM 0703				
	BSH / BMH / ----- / MH3 / SH3 / ILM 1001				
	BSH / BMH / BMi / MH3 / SH3 / ILM 1002				
	BSH / BMH / BMi / MH3 / SH3 / ILM 1003				
	BSH / ----- / ----- / SH3 / ----- 1004				
	BSH / BMH / ----- / MH3 / SH3 / ILM 1401				
	BSH / BMH / BMi / MH3 / SH3 / ILM 1402				
	BSH / BMH / ----- / MH3 / SH3 / ----- 1403				
	BSH / ----- / ----- / SH3 / ----- 1404				
Servo motors BCH2	BCH2MBA53				
	BCH2MB013				
	BCH2LD023				
	BCH2LD043				
	BCH2LF043				
	BCH2HF073				
	BCH2LF073				
	BCH2LH103				
	BCH2MM052				
	BCH2MM031				
	BCH2MM102				
	BCH2HM102				
	BCH2MM081				
	BCH2MM061				
	BCH2MM091				
	BCH2MM152				
	BCH2LH203				
	BCH2MM202				
	BCH2MR202				
	BCH2HR202				
	BCH2MR302				
	BCH2MR301				
	BCH2MR352				
	BCH2MR451				
Planetary gearboxes (Fa. Neugart)	PLE40 (WPLE40)				
	PLE60 (WPLE60)				
	PLE80 (WPLE80)				
	PLE120 (WPLE120)				

(1) Please refer to our website www.schneider-electric.com.

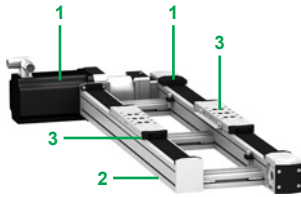
(2) Drive unit combinations for CAS3• see Cantilever Axes catalogue.

	Possible to combine
	Incompatible

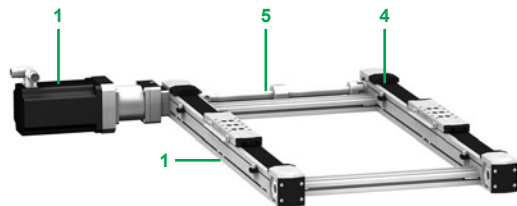
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Lexium Cartesian Robots

Lexium MAX H and Lexium MAX S double portal axes



Lexium MAX H double portal axis with motor and gearbox mounted



Lexium MAX S double portal axis with motor and gearbox mounted

Presentation (1)

Lexium MAX H and Lexium MAX S double portal axes are linear motion axes. They consist of two PAS B portal axes mounted in parallel with:

- 1 axis driven by a drive unit **1**
 - 1 support axis **2** (Lexium MAX H) or **4** (Lexium MAX S). The support axis drive differs according to the model:
 - Lexium MAX H axes: the support axis **2** is driven by the load mounted on the two parallel carriages **3**
 - Lexium MAX S axes: the support axis **4** is driven by a transmission shaft **5**
- The carriages are driven by a toothed belt, available with either a roller guide or a ball guide.

MAX●2BB, MAX●3BB and MAX●4BB axes, with a ball guide, are particularly suitable for applications requiring high forces and significant torque.

The rollers on MAX●1BR, MAX●2BR and MAX●3BR axes offer a simple and cost-effective guiding solution for other applications.

Lexium MAX H and Lexium MAX S double portal axes can provide a solution to applications requiring positioning of heavy loads over a long stroke with a high dynamic response.

Lexium MAX H and Lexium MAX S double portal axes offer different configuration options, including axis length, different types of sensor for the limit switch function, addition of a protective metal strip, the choice between several types and sizes of carriage, the option of having up to 3 carriages, an anti-static toothed belt, and an anti-corrosion version (see page 9).

Schneider Electric offers numerous drive units for driving Lexium MAX H and Lexium MAX S axes (2) (see pages 4 and 10).

Third-party drive units can also be used under certain conditions. Contact our Customer Care Center for further details.

Applications

Applications with the following requirements:

- Positioning of heavy loads and/or involving large surface areas: material handling, etc.
- Positioning over long distances: material handling, Pick & Place, etc.

Special product features

- Profiles with T-slots on 3 sides for simple integration into existing structures
- Carriage with centering tapped holes for mounting the load
- Grease nipples accessible on each side of the carriages to simplify routine maintenance
- Quick-coupling system for easy motor assembly
- Stroke in various lengths available per millimeter
- Option to position sensors anywhere along the profile thanks to the T-slots

(1) All technical data (characteristics, dimensions, etc.) for Lexium MAX ● axes is available on our website www.schneider-electric.com. The load, force and torque data indicated in all the documents relates to carriages mounted on a rigid mechanical structure with a centrally mounted load.

(2) When selecting the drive unit, the maximum permissible driving torque for the axis drive shaft must always be taken into account.

Mechanical characteristics (1)							
Force and torque (Fy, Fz, Mx, My, Mz) are calculated for a service life of 30,000 km/18,641 miles							
Type of double portal axis		MAXH41BR	MAXH42BR	MAXH42BB	MAXH43BR	MAXH43BB	MAXH44BB
Type of drive		Toothed belt					
Type of guide		Rollers		Ball	Rollers		Ball
Constant feed rate	mm/U	84	155		205		264
Max. driving force (Fx) (3)	N	300	800		1,100		2,600
Max. speed	m/s/ft/s	8/26.25		5/16.40	8/26.25	5/16.40	
Max. acceleration	m/s ² /ft/s ²	20/65.62		50/164.04	20/65.62	50/164.04	
Max. driving torque	Nm	4	20		36		110
Max. force (Fy) (3)	N	990		4,215	2,640	6,615	9,405
Max. force (Fz) (3)	N	645		4,215	1,560	6,615	9,405
Max. torque (Mx) (3) (6) Note: di = inside axis distance (mm)	Nm	0.29 di	0.32 di	2 di	0.78 di	3.31 di	5.06 di
Max. torque (My) (3)	With carriage type 1	Nm	–	36	148	102	512
	With carriage type 2	Nm	22	62	388	174	1,310
	With carriage type 4	Nm	56	112	724	320	2,418
Max. torque (Mz) (3)	With carriage type 1	Nm	–	28	74	86	256
	With carriage type 2	Nm	17	48	194	148	655
	With carriage type 4	Nm	43	87	362	271	1,209
Min. ... max. stroke (4)	mm/in.	125...3,000/ 4.92...118.11	125...5,500/ 4.92...216.54	9...5,500/ 0.35...216.54	175...5,500/ 6.89...216.54	11...5,500/ 0.43...216.54	13...5,500/ 0.51...216.54
Repeatability	mm/in.	± 0.1/0.003					
Profile cross-section (width x height)	mm/in.	40 x 40/ 1.58 x 1.58	60 x 60/2.36 x 2.36		80 x 80/3.15 x 3.15		110 x 110/ 4.33 x 4.33
Typical payload (5)	kg/lb	20/44.09	30/66.14	80/176.37	60/132.28	170/374.79	320/705.48

(1) All technical data (characteristics, dimensions, etc.) for Lexium MAX H axes is available on our website www.schneider-electric.com

(2) Description of a Lexium MAX H portal axis; the configuration options selected will determine whether or not certain components are included.

(3) Forces and moments acting on the Lexium MAX H. If there are several forces and moments acting at the same time, refer to the manufacturer's documentation.

(4) Larger strokes at the ball guides on request.

(5) Values are used for orientation in horizontal mounting position, carriage up, and centric load. Values can also be exceeded. Refer to max. force (Fz) value and manufacturer's documentation.

(6) These figures only apply to rigid connected carriage via adapter plate and inside axis distance (di). For note regarding permissible inside axis distances (di), see data sheets. The plate is not included.

Technical data (1)

Force and torque (Fy, Fz, Mx, My, Mz) are calculated for a service life of 30,000 km/18,641 miles

Type of double portal axis		MAXS41BR	MAXS42BR	MAXS42BB	MAXS43BR	MAXS43BB	MAXS44BB
Type of drive		Toothed belt					
Type of guide		Rollers		Ball	Rollers		Ball
Constant feed rate	mm/U	84	155		205		264
Max. driving force (Fx) (3)	N	450	1,200		1,650		3,900
Max. speed	m/s/ft/s	8/26.25		5/16.40	8/26.25	5/16.40	
Max. acceleration	m/s ² /ft/s ²	20/65.62		50/164.04	20/65.62	50/164.04	
Max. driving torque	Nm	6	30		54		160
Max. force (Fy) (3)	N	990		4,215	2,640	6,615	9,405
Max. force (Fz) (3)	N	645		4,215	1,560	6,615	9,405
Max. torque (Mx) (3) (6) Note: di = inside axis distance (mm)	Nm	0.29 di	0.32 di	2 di	0.78 di	3.31 di	5.06 di
Max. torque (My) (3)	With carriage type 1	Nm	—	36	148	102	512
	With carriage type 2	Nm	22	62	388	174	1,310
	With carriage type 4	Nm	56	112	724	320	2,418
Max. torque (Mz) (3)	With carriage type 1	Nm	—	42	110	129	384
	With carriage type 2	Nm	25	72	290	220	982
	With carriage type 4	Nm	64	130	543	405	1,813
Min. ... max. stroke (4)	mm/in.	125...3,000/ 4.92...118.11	125...5,500/ 4.92...216.54	9...5,500/ 0.35...216.54	175...5,500/ 6.89...216.54	11...5,500/ 0.43...216.54	13...5,500/ 0.51...216.54
Repeatability	mm/in.	± 0.1/0.003					
Profile cross-section (width x height)	mm/in.	40 x 40/ 1.58 x 1.58	60 x 60/2.36 x 2.36		80 x 80/3.15 x 3.15		110 x 110/ 4.33 x 4.33
Typical payload (5)	kg/lb	25/55.12	35/77.16	100/220.46	70/154.32	210/462.97	400/881.85

(1) All technical data (characteristics, dimensions, etc.) for Lexium MAX S axes is available on our website www.schneider-electric.com.

(2) Description of a Lexium MAX S portal axis; the configuration options selected will determine whether or not certain components are included.

(3) Forces and moments acting on the Lexium MAX S. If there are several forces and moments acting at the same time, refer to the manufacturer's documentation.

(4) Larger strokes at the ball guides on request.

(5) Values are used for orientation in horizontal mounting position, carriage up, and centric load. Values can also be exceeded. Refer to max. force (Fz) value and manufacturer's documentation.

(6) These figures only apply to rigid connected carriage via adapter plate and inside axis distance (di). For note regarding permissible inside axis distances (di) note, see data sheets. The plate is not included.

Lexium Cartesian Robots

Lexium MAX H and Lexium MAX S double portal axes

References (1)															
To order a Lexium MAX H or Lexium MAX S double portal axis, complete each reference by replacing the “●” (2):															
Example: MAX H4 1 B R M 1000 A 2 B A XXX R 0120/... rest of the reference on page 10															
	MAX	●	B	●	●	●	●	●	●	●	●	●	●	●	/(2)
Type of drive for support axis	Support axis driven by the load	H4													/
	Support axis driven by a drive shaft	S4													/
Size (profile cross-section)	40 (40 x 40 mm cross-section)	1													/
	60 (60 x 60 mm cross-section)	2													/
	80 (80 x 80 mm cross-section)	3													/
	110 (110 x 110 mm cross-section)	4													/
Drive system for carriages	Toothed belt		B												/
Type of guide for carriages	Roller (for MAX●1B, ●2B, ●3B)			R											/
	Ball (for MAX●2B, ●3B, ●4B)			B											/
Feed per revolution	84 mm/revolution (for MAX●1B)				M										/
	155 mm/revolution (for MAX●2B)				M										/
	205 mm/revolution (for MAX●3B)				M										/
	264 mm/revolution (for MAX●4B)				M										/
Stroke	Maximum 3,000 mm (for MAX●1)					●●●●									/
	Maximum 5,500 mm (for MAX●2, MAX●3 and MAX●4)					●●●●									/
Limit switches (3)	2 sensors with PNP output, NC contact, not connected							A							/
	2 sensors with PNP output, NO contact, not connected							C							/
	2 sensors with NPN output, NC contact, not connected							E							/
	2 sensors with NPN output, NO contact, not connected							G							/
	Without sensors/without detection plate							N							/
Type of carriage (4)	Type 1 (for MAX●2B, ●3B, ●4B)							1							/
	Type 2							2							/
	Type 4							4							/
Options	With protective metal strip								B						/
	Anti-corrosion version/without protective metal strip								C						/
	With anti-static toothed belt/without protective metal strip								A						/
	Anti-corrosion version/with anti-static toothed belt/without protective metal strip								E						/
	With anti-static toothed belt/with protective metal strip								L						/
	Without option								N						/
Number of carriages (5)	1									A					/
	2									B					/
	3									C					/
Distance between two carriages	State the distance in mm									●●●					/
	1 carriage only, state “XXX”									XXX					/
Interface for the drive element (6)	Drive element mounted on right-hand side										R				/
	Drive element mounted on left-hand side										L				/
	Drive element mounted externally, right-hand side (for MAX H)										A				/
	Drive element mounted externally, left-hand side (for MAX H)										B				/
	Without drive element/driven axis on the right (for MAX H)										G				/
	Without drive element/driven axis on the left (for MAX H)										H				/
	Without drive element unit (for MAX S)										N				/
Distance between the two axes	State the distance in mm											●●●●			/

(1) All technical data (characteristics, dimensions, etc.) for Lexium MAX H and Lexium MAX S axes is available on our website www.schneider-electric.com

(2) For the second part of the reference, see page 10.

(3) Supplied with a 0.1 m/0.33 ft cable equipped with an M8 connector.

(4) See characteristics and dimensions on our website www.schneider-electric.com.

(5) Only carriages of the same type (type 1, type 2, or type 4) are permitted.

(6) Types of interface for the drive element:

MAXH4●B...						MAXS4●B...		
...R●●●●/...	...L●●●●/...	...A●●●●/...	...B●●●●/...	...G●●●●/...	...H●●●●/...	...R●●●●/...	...L●●●●/...	...N●●●●/...

Lexium Cartesian Robots

Lexium MAX H and Lexium MAX S double portal axes

References (continued) (1)

To order a Lexium MAX H or Lexium MAX S double portal axis, complete each reference by replacing the “●” (2):

Example: MAX H4 1 B R M 1000 A 2 B A XXX R 0120/2 1G 0 H7 0 (2)

MAX ●●●●●●●●●●●●●●●●●●●●●●●● (2)/ ● ●● ● ●● ●

+ PLE60 3:1 + BMH 0702P01A2A

Motor drive configuration (3)	Motor only	/	1						
	Motor + gearbox	/	2						
	Gearbox only	/	3						
	Without motor/without gearbox/with adapter plate for the drive	/	4						
	Without motor/without gearbox	/	X						
Gearbox interface	PLE 40 gearboxes	/		0G					
	PLE 60 gearboxes	/		1G					
	PLE 80 gearboxes	/		3G					
	PLE 120 gearboxes	/		5G					
	WPLE 40 gearboxes	/		0A					
	WPLE 60 gearboxes	/		1A					
	WPLE 80 gearboxes	/		3A					
	WPLE 120 gearboxes	/		5A					
	Other third-party gearboxes not assembled by Schneider Electric (gearbox drawings required)	/		YY					
	Other third-party gearboxes assembled by Schneider Electric (gearbox and drawings required)	/		ZZ					
Gearbox orientation (3)	Without gearbox	/		XX					
	0°	/			3				
	90°	/			0				
	180°	/			9				
	270°	/			6				
Motor interface	Without gearbox	/			X				
	Stepper motors BRS 368	/				V8			
	Stepper motors BRS 397, 39A	/				V9			
	Stepper motors BRS 39B	/				V0			
	Stepper motors BRS 3AC, 3AD	/				V1			
	Integrated drive with stepper motor ILS●●571, 572	/				I6			
	Integrated drive with stepper motor ILS●●573	/				I7			
	Integrated drive with stepper motor ILS●●851, 852	/				I9			
	Integrated drive with stepper motor ILS●●853	/				I8			
	Integrated drive with brushless DC motor ILE●●66 with spur wheel gear	/				E7			
	Integrated drive with servo motor ILA●●57	/				A6			
	Servo motors BSH/SH3 0401, 0402	/				H0			
	Servo motors BSH/SH3 055	/				H5			
	Servo motors BSH/BMH/BMI/MH3/SH3/ILM 0701, 0702	/				H7			
	Servo motors BSH/BMH/BMI/MH3/SH3/ILM 0703	/				H8			
	Servo motors BSH/BMH/BMI/MH3/SH3/ILM 1001, 1002, 1003	/				H1			
	Servo motors BSH 1004	/				H4			
	Servo motors BSH/BMH/MH3/SH3/ILM 1401, 1402, 1403, 1404	/				H2			
	Servo motors BCH2●B A5, 01	/				C1			
	Servo motors BCH2●D 02, 04	/				C2			
	Servo motors BCH2●F 04	/				C3			
	Servo motors BCH2●F 07	/				C4			
	Servo motors BCH2●H 10, 20	/				C5			
	Servo motors BCH2●M 08	/				C6			
	Servo motors BCH2●M 03, 05, 06, 10, 09, 15, 20	/				C7			
	Servo motors BCH2●R 20, 30, 35, 45	/				C8			
	Third-party motor without mounting by Schneider Electric (motor drawing required)	/				YY			
	Third-party motor with mounting by Schneider Electric (motor drawing required; motor must be provided)	/				ZZ			
	No motor	/				XX			
Motor orientation (3)	0°	/					3		
	90°	/					0		
	180°	/					9		
	270°	/					6		
	Without motor	/					X		
Planetary gearbox gear ratio + motor reference	State the planetary gearbox gear ratio and the complete motor reference at the end of the reference, in plain text. Example: PLE60 3:1 + BMH 0702P01A2A								+ ...

(1) All technical data (characteristics, dimensions, etc.) for Lexium MAX H and Lexium MAX S axes is available on our website www.schneider-electric.com

(2) For the first part of the reference, see page 9.

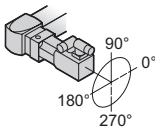
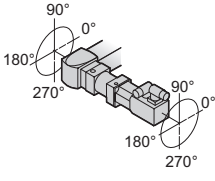
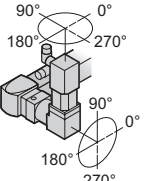
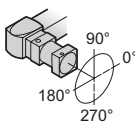
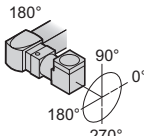
(3) For possible drive element configurations and orientation (view from motor/gearbox towards the axis or from motor towards the gearbox), see page 11.

Lexium Cartesian Robots

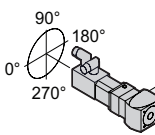
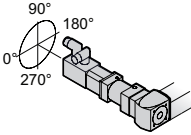
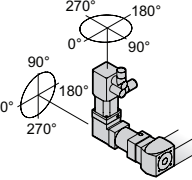
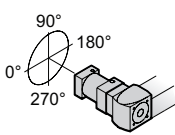
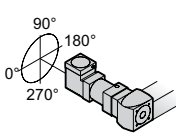
Lexium MAX H and Lexium MAX S double portal axes

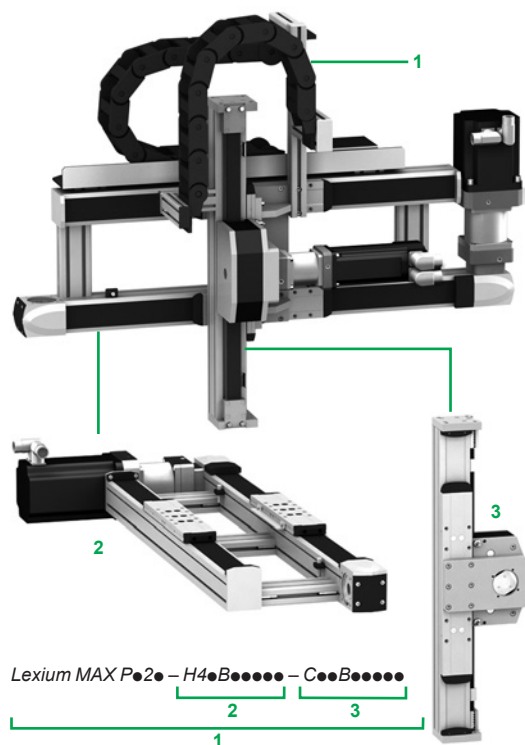
Mounting directions

Right mounting

MAX●●B/ 1XX●●●●	MAX●●B.../ 2●G●●●●	MAX●●B.../ 2●A●●●●	MAX●●B/ 3●G●XXX	MAX●●B/ 3●A●XXX	MAX●●B/ 4XX●●●●	MAX●●B.../ XXXXXX●●
						

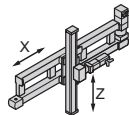
Left mounting

MAX●●B/ 1XX●●●●	MAX●●B.../ 2●G●●●●	MAX●●B.../ 2●A●●●●	MAX●●B/ 3●G●XXX	MAX●●B/ 3●A●XXX	MAX●●B/ 4XX●●●●	MAX●●B.../ XXXXXX●●
						



Presentation (1)

Lexium MAX P linear positioners **1** are multi-axis systems for linear motion in directions X and Z:



They consist of two axes with:

- A Lexium MAX H double portal axis providing motion in direction X **2**
 - A Lexium CAS 4 or Lexium CAS 3 cantilever axis providing motion in direction Z **3**
- Each carriage is driven by a toothed belt, available with either a roller guide or a ball guide.

Lexium MAX P linear positioners operate above or below the working area. They provide an effective solution to dynamic load handling. Depending on the model, loads can be moved as far as 5,500 mm in direction X and 1,200 mm in direction Z.

These linear positioners offer different configuration options for each axis, including length, choice of different sizes and types of profile, and a choice of different types of guide (see next page).

Schneider Electric offers numerous drive elements for driving Lexium MAX P linear positioners.

Since the choice and combination of these drive elements is specific to each application, you will need to contact our Customer Care Center.

Applications

Applications requiring dynamic load positioning

- Material handling
- Pick & Place
- Etc.

Special product features

- Numerous adaptation possibilities thanks to its modular design

Mechanical characteristics (1)

Type of linear positioner			MAXP12		MAXP22			
			H41BR – C31BC	H41BR – C41BR	H42BR – C32BC	H42BB – C32BC	H42BR – C42BR	H42BB – C42BB
Type of drive	X and Z axes		Toothed belt					
Type of guide	X axis		Rollers			Ball	Rollers	Ball
	Z axis		Linear ball bearing	Rollers	Linear ball bearing		Rollers	Ball
Typical payload (2)		kg/lb	2/4.41	6/13.23	4/8.82	5/11.02	10/22.05	20/44.09
Constant feed rate	X axis	mm/U	84		155			
	Z axis	mm/U	75	84	100		155	
Min. ... max. stroke (3)	X axis	mm/in.	125...3,000/4.92...118.11		125...4,000/4.92...157.48	9...4,000/0.35...157.48	125...4,000/4.92...157.48	9...4,000/0.35...157.48
	Z axis	mm/in.	8...200/0.31...7.87	125...400/4.92...15.75	10...300/0.39...11.81		125...600/4.92...23.62	9...700/0.35...27.56
Repeatability		mm/in.	± 0.1/0.003					
Type of portal axis			MAXP32				MAXP42	
			H43BR – C34BC	H43BB – C34BC	H43BR – C43BR	H43BB – C43BB	H44BB – C44BB	
Type of drive	X and Z axes		Toothed belt					
Type of guide	X axis		Rollers	Ball	Rollers	Ball	Ball	
	Z axis		Linear ball bearing		Rollers	Ball	Ball	
Typical payload (2)		kg/lb	14/30.86	18/39.68	15/33.07	30/66.14	60/132.28	
Constant feed rate	X axis	mm/U	205			264		
	Z axis	mm/U	100			264		
Min. ... max. stroke (3)	X axis	mm/in.	175...5,500/6.89...216.53	11...5,500/0.43...216.53	175...5,500/6.89...216.53	11...5,500/0.43...216.53	13...5,500/0.51...216.53	
	Z axis	mm/in.	14...500/0.55...19.69		175...800/6.89...31.50	11...1,000/0.43...39.37	13...1,800/0.51...70.87	
Repeatability		mm/in.	± 0.1/0.003					

(1) All technical data (characteristics, dimensions, etc.) for Lexium MAX P linear positioners is available on our website www.schneider-electric.com.

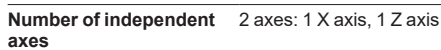
(2) Forces and moments acting on the Lexium MAX P. If there are several forces and moments acting at the same time, refer to the manufacturer's documentation.

(3) Larger strokes at the ball guides on request.

To order a Lexium MAX P linear positioner, complete each reference by replacing the “●”:

MAX P • 2 • - ••• B • •••• - ••• B • ••••

+ PLE60 3:1 + BMH 0702P01A2A (for the Z axis)

[illegible][illegible]

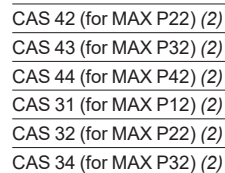
H41									
H42									
H43									
H44									



R							
B							

Frequency	Number of Responses
Every day	4
Several times a week	1
Once a week	0
Several times a month	0
Once a month	0
Less than once a month	0
Never	0

C41					
-----	--	--	--	--	--



Type of drive	Toothed belt
---------------	--------------

B				
---	--	--	--	--

R			
B			
C			

Stroke	State the length in mm (see the maximum possible length depending on the model on page 12)
---------------	--

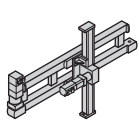
+	...
+	...

Example: **PLE60 3:1 + BMH 0702P01A2A** for each axis

(2) Supplied with 2 PNP output sensors, NC contact, with a 0.1 m/0.33 ft cable equipped with an M8 connector.

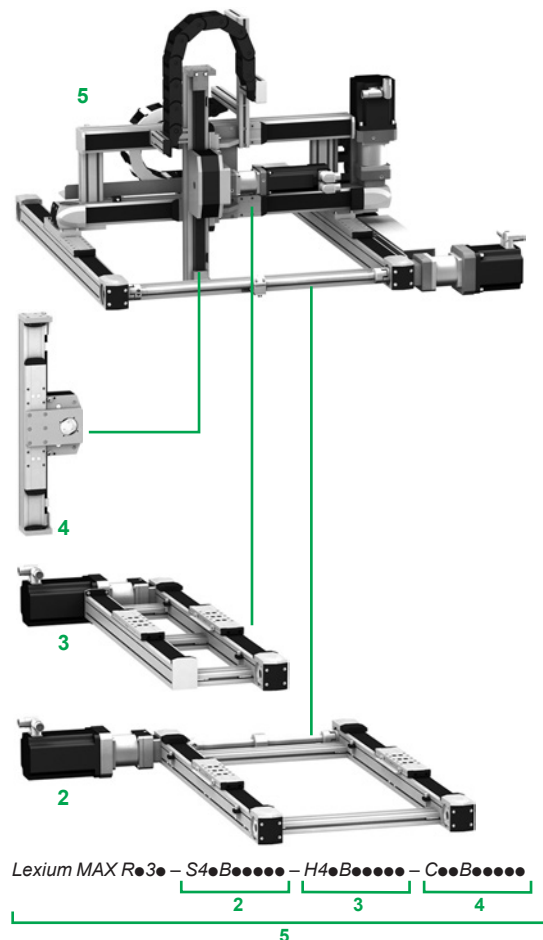
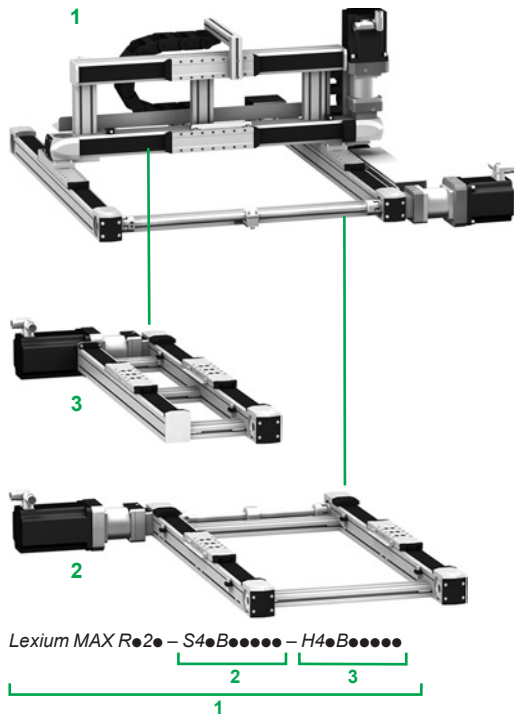
(3) *Types of interface for the drive elements:*

MAXP●2L-...



Lexium Cartesian Robots

Lexium MAX R●2 and Lexium MAX R●3 portal robots



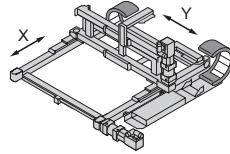
Presentation (1)

Lexium MAX R●2 **1** and Lexium MAX R●3 **5** portal robots are multi-axis linear motion systems.

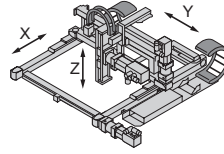
Lexium MAX R●2 portal robots allow motion in directions X and Y.

Lexium MAX R●3 portal robots offer additional motion in direction Z.

Lexium MAX R●2 portal robot



Lexium MAX R●3 portal robot



Lexium MAX R●2 portal robots **1** consist of two axes:

- A Lexium MAX S double portal axis providing motion in direction X **2**
- A Lexium MAX H double portal axis or a Lexium PAS B portal axis providing motion in direction Y **3**

Lexium MAX R●3 portal robots **5** consist of three axes:

- A Lexium MAX S double portal axis providing motion in direction X **2**
- A Lexium MAX H double portal axis providing motion in direction Y **3**
- A Lexium CAS 4 or Lexium CAS 3 cantilever axis providing motion in direction Z **4**

The carriages are driven by a toothed belt, available with either a roller guide or a ball guide.

Lexium MAX R●2 and Lexium MAX R●3 portal robots operate above the working area. They provide an effective solution to load handling over long distances:

- Lexium MAX R●2 portal robots: depending on the model, loads can be moved as far as 5,500 mm/ 216.53 in. in direction X and 1,500 mm/ 59.06 in. in direction Y
- Lexium MAX R●3 portal robots: depending on the model, loads can be moved as far as 5,500 mm in direction X, 1,500/ 59.06 in. mm in direction Y and 1,200 mm/ 47.24 in. in direction Z

These portal robots offer different configuration options for each axis, including length, choice of different sizes and types of profile, and a choice of different types of guide (see pages 16 and 17).

Schneider Electric offers numerous drive elements for driving Lexium MAX R●2 and Lexium MAX R●3 portal robots.

Since the choice and combination of these drive elements is specific to each application, you will need to contact our Customer Care Center.

Applications

Applications requiring load handling over long distances:

- Material handling
- Optics
- Pick & Place
- Etc.

(1) All technical data (characteristics, dimensions, etc.) for Lexium MAX R●2 and Lexium MAX R●3 portal robots is available on our website www.schneider-electric.com

Lexium Cartesian Robots

Lexium MAX R●2 and Lexium MAX R●3 portal robots

Mechanical characteristics (1)										
Lexium MAX R●2 portal robots										
Type of portal robot			MAXR12 – S41BR – P41BR		S41BR – H41BR	MAXR22 – S42BR – P42BR		S42BB – P42BB	S42BR – H42BR	S42BB – H42BB
Type of drive	X and Y axes		Toothed belt							
Type of guide	X axis		Rollers				Ball	Rollers	Ball	
	Y axis		Rollers				Ball	Rollers	Ball	
Typical payload (2)		kg/lb	5/11.02	10/22.05		5/11.02	12/26.46	18/39.68	35/77.16	
Constant feed rate	X axis	mm/U	84			155				
	Y axis	mm/U	84			155				
Min. ... max. stroke (3)	X axis	mm/in.	125...3,000/4.92...118.11			125...5,500/ 4.92...216.53		9...5,500/ 0.35...216.53	125...5,500/ 4.92...216.53	9...5,500/ 0.35...216.53
	Y axis	mm/in.	125...1,200/ 4.92...47.24			125...1,500/ 4.92...59.06		9...1,500/ 0.35...59.06	125...1,500/ 4.92...59.06	9...1,500/ 0.35...59.06
Repeatability		mm/in.	± 0.1/0.003							
Type of portal robot			MAXR32 – S43BR – P43BR		S43BB – P43BB	S43BR – H43BR	S43BB – H43BB	MAXR42 – S44BB – H44BB		
Type of drive	X and Y axes		Toothed belt							
Type of guide	X axis		Rollers		Ball	Rollers	Ball			
	Y axis		Rollers		Ball	Rollers	Ball			
Typical payload (2)		kg/lb	11/24.25	30/66.14		45/99.21	100/220.46	150/330.69		
Constant feed rate	X axis	mm/U	205					264		
	Y axis	mm/U	205					264		
Min. ... max. stroke (3)	X axis	mm/in.	175...5,500/ 6.89...216.53	11...5,500/ 0.43...216.53		175...5,500/ 6.89...216.53	11...5,500/ 0.43...216.53	13...5,500/0.51...216.53		
	Y axis	mm/in.	175...1,500/ 6.89...59.06	11...1,500/ 0.43...59.06		175...1,500/ 6.89...59.06	11...1,500/ 0.43...59.06	13...1,500/0.51...59.06		
Repeatability		mm/in.	± 0.1/0.003							
Lexium MAX R●3 portal robots										
Type of portal robot			MAXR13 – S41BR – H41BR – C31BC		S41BR – H41BR – C41BR	MAXR23 – S42BR – H42BR – C32BC		S42BB – H42BB – C32BC	S42BR – H42BR – C42BR	S42BB – H42BB – C42BB
Type of drive	X, Y, and Z axes		Toothed belt							
Type of guide	X axis		Rollers				Ball	Rollers	Ball	
	Y axis		Rollers				Ball	Rollers	Ball	
	Z axis		Linear ball bearing			Linear ball bearing		Rollers	Ball	
Typical payload (2)		kg/lb	2/4.41	6/13.23		4/8.82	5/11.02	10/22.05	20/44.09	
Constant feed rate	X axis	mm/U	84			155				
	Y axis	mm/U	84			155				
	Z axis	mm/U	75	84		100			155	
Min. ... max. stroke (3)	X axis	mm/in.	125...3,000/4.92...118.11			125...5,500/ 4.92...216.53		9...5,500/ 0.35...216.53	125...5,500/ 4.92...216.53	9...5,500/ 0.35...216.53
	Y axis	mm/in.	125...1,200/4.92...47.24			125...1,500/ 4.92...59.06		9...1,500/ 0.35...59.06	125...1,500/ 4.92...59.06	9...1,500/ 0.35...59.06
	Z axis	mm/in.	8...200/ 0.31...7.87	125...400/ 4.92...15.75		10...300/0.39...11.81		125...600/ 4.92...23.62	9...700/ 0.35...27.56	
Repeatability		mm/in.	± 0.1/0.003							
Type of portal robot			MAXR33 – S43BR – H43BR – C34BC		S43BB – H43BB – C34BC	S43BR – H43BR – C43BR	S43BB – H43BB – C43BB	MAXR43 – S44BB – H44BB – C44BB		
Type of drive	X, Y, and Z axes		Toothed belt							
Type of guide	X axis		Rollers		Ball	Rollers	Ball			
	Y axis		Rollers		Ball	Rollers	Ball			
	Z axis		Linear ball bearing			Rollers		Ball		
Typical payload (2)		kg/lb	14/30.86	18/39.68		15/33.07	30/66.14	60/132.28		
Constant feed rate	X axis	mm/U	205					264		
	Y axis	mm/U	205					264		
	Z axis	mm/U	100			205		264		
Min. ... max. stroke (3)	X axis	mm/in.	175...5,500/ 6.89...216.53	11...5,500/ 0.43...216.53		175...5,500/ 6.89...216.53	11...5,500/ 0.43...216.53	13...5,500/0.51...216.53		
	Y axis	mm/in.	175...1,500/ 6.89...59.06	11...1,500/ 0.43...59.06		175...1,500/ 6.89...59.06	11...1,500/ 0.43...59.06	13...1,500/0.51...59.06		
	Z axis	mm/in.	14...500/0.55...19.69			175...800/ 6.89...31.50		11...1,000/ 0.43...39.37	13...1,800/0.51...70.87	
Repeatability		mm/in.	± 0.1/0.003							

(1) All technical data (characteristics, dimensions, etc.) for Lexium MAX R2/MAX R3 portal robots is available on our website www.schneider-electric.com.

(2) The typical payload is only a guideline and can also be exceeded depending on the application. Please contact the manufacturer.

(3) Larger strokes at the ball guides on request.

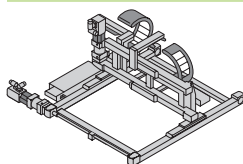
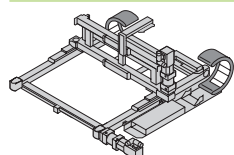
To order a Lexium MAX R●2 portal robot, complete each reference by replacing the “●”:

$$\text{MAX } R \quad 2 \quad - \quad B \quad - \quad B$$

+

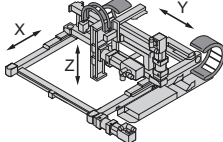
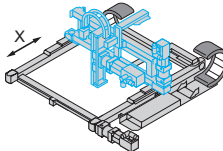
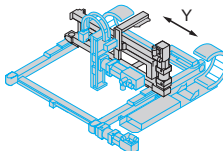
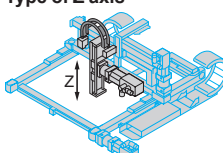
...

(1) All technical data (characteristics, dimensions, etc.) for Lexium MAX R₂ portal robots is available on our website www.schneider-electric.com
 (2) Each axis is supplied with 2 PNP output sensors, NC contact, with a 0.1 m/0.33 ft cable equipped with an M8 connector.
 (3) Types of interface for the drive element:

 $\text{MAX } R \bullet 2R - \dots$ 

References (1)

To order a MAX R●3 portal robot, complete each reference by replacing the "●" :

Example: MAX R 1 3 R – S41 B R 3000 – H41 B R 1200 – C31 B C 1200		MAX R ● 3 ● – ●● B ● ●●● – ●● B ● ●●● – ●● B ● ●●●										+ ...
+ PLE60 3:1 + BMH 0702P01A2A (for the X axis)												+ ...
+ PLE60 3:1 + BMH 0702P01A2A (for the Y axis)												+ ...
+ PLE60 3:1 + BMH 0702P01A2A (for the Z axis)												+ ...
Size of X axis (profile cross-section) 	40 (40 x 40 mm cross-section)	1										
	60 (60 x 60 mm cross-section)	2										
	80 (80 x 80 mm cross-section)	3										
	110 (110 x 110 mm cross-section)	4										
Number of axes	3 independent axes: 1 X axis, 1 Y axis, 1 Z axis	3										
Interface for the drive element (3)	Drive element mounted on right-hand side	R										
	Drive element mounted on left-hand side	L										
Type of X axis 	MAX S41 (for MAX R13) (2)	S41										
	MAX S42 (for MAX R23) (2)	S42										
	MAX S43 (for MAX R33) (2)	S43										
	MAX S44 (for MAX R43) (2)	S44										
Type of drive	Toothed belt	B										
Type of guide	Roller (for MAX R●3● – S41/S42/S43)	R										
	Ball (for MAX R●3● – S42/S43/S44)	B										
Stroke	State the length in mm (see the maximum possible length depending on the model on page 15)	●●●●										
Type of Y axis 	MAX H41 (for MAX R13) (2)	H41										
	MAX H42 (for MAX R23) (2)	H42										
	MAX H43 (for MAX R33) (2)	H43										
	MAX H44 (for MAX R43) (2)	H44										
Type of drive	Toothed belt	B										
Type of guide	Roller (for MAX R●3● – S4●B●●●●● – H41/H42/H43)	R										
	Ball (for MAX R●3● – S4●B●●●●● – H42/H43/H44)	B										
Stroke	State the length in mm (see the maximum possible length depending on the model on page 15)	●●●●										
Type of Z axis 	CAS 41 (for MAX R13) (2)	C41										
	CAS 42 (for MAX R23) (2)	C42										
	CAS 43 (for MAX R33) (2)	C43										
	CAS 44 (for MAX R43) (2)	C44										
	CAS 31 (for MAX R13) (2)	C31										
	CAS 32 (for MAX R23) (2)	C32										
	CAS 34 (for MAX R33) (2)	C34										
Type of drive	Toothed belt	B										
Type of guide	Roller (for MAX R●3● – S4●B●●●●● – H4●B●●●●● – C41/C42/C43)	R										
	Ball (for MAX R●3● – S4●B●●●●● – H4●B●●●●● – C42/C43/C44)	B										
	Ball (for MAX R●3● – S4●B●●●●● – H4●B●●●●● – C3●)	C										
Stroke	State the length in mm (see the maximum possible length depending on the model on page 15)	●●●●										
Planetary gearbox gear ratio + motor reference	State the planetary gearbox gear ratio and the complete motor reference at the end of the reference, in plain text, selected for the X axis, the Y axis, and the Z axis. Example: PLE60 3:1 + BMH 0702P01A2A for each axis											+ ... + ... + ...

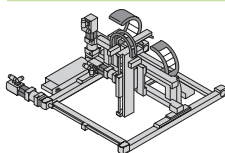
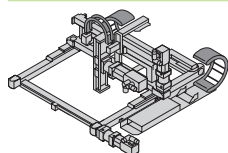
(1) All technical data (characteristics, dimensions, etc.) for Lexium MAX R●3 portal robots is available on our website www.schneider-electric.com

(2) Each axis is supplied with 2 PNP output sensors, NC contact, with a 0.1 m/0.33 ft cable equipped with an M8 connector.

(3) Types of interface for the drive element:

MAX R●3R – ...

MAX R●3L – ...



Energy chain (1)

Presentation

Energy chains are developed to help guide and protect moving cables and hoses. They minimize downtime, provide protection and support, and help to extend the service life of the cables and hoses.

Energy chains are used in the MAXP●2, MAXR●2, MAXR●3 range products.

The required total length of cable drag chain is calculated as follows:

$$L = \text{stroke}/2 + K \text{ (mm)}$$

For dimension K, see table dimension drawings.

The total length L of the cable drag chain is composed of several sections. Use the formula to calculate the number of pieces to be ordered:

- Number of sections for series 1400 = $L/500$ (round up the result to the nearest integer)
- Number of sections for series 2400 = $L/460$ (round up the result to the nearest integer)
- Number of sections for series 2600 = $L/560$ (round up the result to the nearest integer)

Description

Cable drag chain 1 contains a section with:

- 15 chain links (E02-1400-●●●-●●●)
- 10 chain links (E02-2400-●●●-●●●/E02-2600-●●●-●●●)
- and 2 connection elements 2 with strain relief

Cable drag chain connector contains a pair of connectors with:

- 3 1x connection element bolt with strain relief
- 4 1x connection element bore with strain relief

2 types of cable drag chain separators:

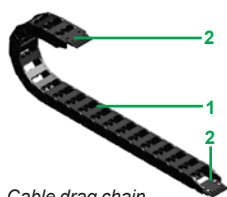
- 5 one-slot type, for SPM3MAC14 and SPM3MAC24
- 6 three-slots type, for SPM3MAC26

Reference

Chain type (2)	Chain reference	Connector reference	Separator reference (4)
E02-1400-038-R075 (3)	SPM3MAC1403075	SPM3MAC1403	SPM3MAC14
E02-2400-057-R075	SPM3MAC2405075	SPM3MAC2405	SPM3MAC24
E02-2400-057-R100	SPM3MAC2405100		
E02-2400-057-R125	SPM3MAC2405125		
E02-2400-077-R100	SPM3MAC2407100	SPM3MAC2407	
E02-2400-077-R125	SPM3MAC2407125		
E02-2400-077-R150	SPM3MAC2407150		
E02-2600-075-R100	SPM3MAC2607100	SPM3MAC2607	SPM3MAC26
E02-2600-100-R125	SPM3MAC2610125	SPM3MAC2610	

Dimensional drawing

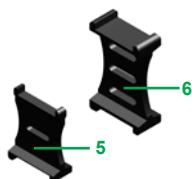
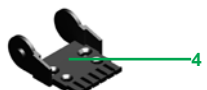
Cable drag chain type	E02-1400-038-R075	E02-2400-057-R075	E02-2400-057-R100	E02-2400-057-R125	E02-2400-077-R100	E02-2400-077-R125	E02-2400-077-R150	E02-2600-075-R100	E02-2600-100-R125
Chain dimension (Unit: mm)									
A	38	57	57	57	77	77	77	75	100
B	51,5	73	73	73	93	93	93	91	116
C	21	25	25	25	25	25	25	35	35
D	28	35	35	35	35	35	35	50	50
E	18	23	23	23	23	23	23	32	32
T	33	33	46	46	46	46	46	56	56
R	75	75	100	125	100	125	150	100	125
H	178	185	235	285	235	285	335	250	300
K	305	346	414	496	414	496	578	475	550
Chain connector dimension (Unit: mm)									
A	24	44			64			55	80
B	51.5	73			93			91	116
C	24	7						23	
D	6.4	6.1							
E	12/90°							16/90°	
F	28	10						17	
G	10.5	32						34	
H	5.5	7						8	



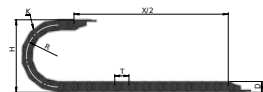
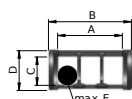
Cable drag chain



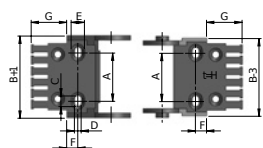
Chain connectors



Chain separators



Chain dimension



Chain connector dimension

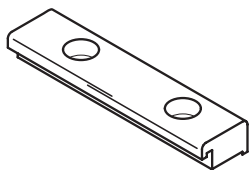
(1) All technical data for accessories is available on our website www.schneider-electric.com.

(2) For more information on the cable drag chain types, please refer to the Operating Instructions for the Lexium MAX Series.

(3) Always contains two dividers per link, except for cable drag chain E02-1400-038-R075, where only one divider per chain link is installed.

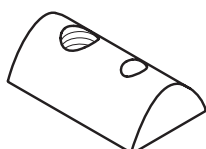
(4) Each order contains a set of 50 pieces of separators.

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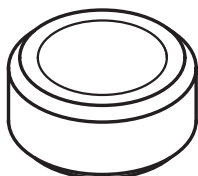
VW33MF10●●●

DF538072



VW33MF010T●●●

DF538074



VW33MF020LD0●

Clamping jaws (1)

Description	For Lexium linear axes	Reference
Clamping jaws These are used to mount portal axes on a fixed support. (sold in lots of 10)	MAXH41	VW33MF10511
	MAXS41	
	MAXP12	
	MAXR12	
	MAXR13	
	MAXH42	VW33MF10512
	MAXS42	
	MAXP22	
	MAXR22	
	MAXR23	
	MAXH43	VW33MF10613
	MAXS43	
	MAXP32	
	MAXR32	
	MAXR33	
	MAXH44	VW33MF10814
	MAXS44	
	MAXP42	
	MAXR42	
	MAXR43	

T-slot nuts (1)

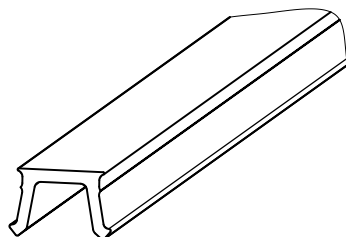
Description	For Lexium linear axes	T-slot width and retaining screw Ø	Reference
T-slot nuts These are inserted in the axis T-slots. They are used to mount the axis on a fixed support. (sold in lots of 10)	MAXH41	Width: 5 M5 screw	VW33MF010T5N5
	MAXS41		
	MAXP12		
	MAXR12		
	MAXR13		
	MAXH42		
	MAXS42		
	MAXP22		
	MAXR22		
	MAXR23		
	MAXH43	Width: 6 M6 screw	VW33MF010T6N6
	MAXS43		
	MAXP32		
	MAXR32		
	MAXR33		
	MAXH44	Width: 8 M6 screw	VW33MF010T8N6
	MAXS44		
	MAXP42		
	MAXR42		
	MAXR43		
		Width: 8 M8 screw	VW33MF010T8N8

Adapters (1)

Description	For Lexium linear axes	Reference
Adapters These help to ensure accurate, reproducible positioning of the load on the carriage. They are inserted in the holes provided on the carriage. (sold in lots of 20)	MAXH41	VW33MF020LD01
	MAXS41	
	MAXP12	
	MAXR12	
	MAXR13	
	MAXH42	
	MAXS42	
	MAXP22	
	MAXR22	
	MAXR23	
	MAXH43	VW33MF020LD02
	MAXS43	
	MAXP32	
	MAXR32	
	MAXR33	
	MAXH44	VW33MF020LD03
	MAXS44	
	MAXP42	
	MAXR42	
	MAXR43	

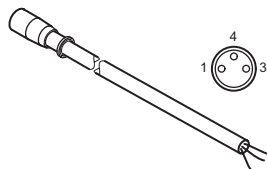
(1) All technical data for accessories is available on our website www.schneider-electric.com.

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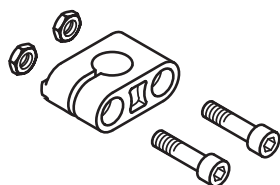
VW33MC05●0●

DF539077



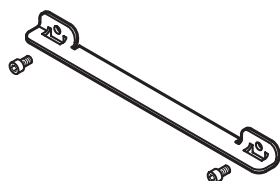
VW32SBCBGA●●●

DF539078



VW33MF010M8

DF539079



VW33MASP1

Protective covers for T-slots (1)

Description	For Lexium linear axes	Reference
Protective covers for T-slots These help to protect the profile T-slots. Length 2 m/6.56 ft (sold in lots of 5)	MAXH41 MAXS41 MAXP12 MAXR12 MAXR13	VW33MC05A05
	MAXH42 MAXS42 MAXP22 MAXR22 MAXR23	VW33MC05B05
	MAXH43 MAXS43 MAXP32 MAXR32 MAXR33	VW33MC05A06
	MAXH44 MAXS44 MAXP42 MAXR42 MAXR43	VW33MC05A08

Extension cables for sensor (1)

Description	For Lexium linear axes	Length m/ft	Reference
Extension cables for sensor Cables equipped with a 3-way M8 connector on the sensor end and one stripped end. These cables connect directly to the cable supplied with the sensor via the M8 connector.	MAXH4● MAXS4● MAXP●2 MAXR●2 MAXR●3	5/16.40	VW32SBCBGA050
		10/32.81	VW32SBCBGA100
		20/65.62	VW32SBCBGA200

Sensor support (1)

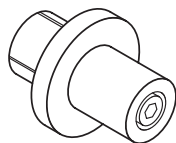
Description	For Lexium linear axes	Reference
Sensor support This is used to hold a standard Ø 8 mm sensor for the limit switch function. It is inserted in the axis T-slots. (sold in lots of 10)	MAXH4● MAXS4● MAXP●2 MAXR●2 MAXR●3	VW33MF010M8

Detection plate for sensor (1)

Description	For Lexium linear axes	Reference
Detection plate for sensor This acts as a physical marker for the sensors acting as limit switches when detecting the presence of the carriage. It is mounted on the axis carriage and is supplied with retaining screws.	MAXH4● MAXS4● MAXP●2 MAXR●2 MAXR●3	VW33MASP1

(1) All technical data for accessories is available on our website www.schneider-electric.com.

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VW33MF1S●●A●●

Shaft journals (1)

Description	For Lexium linear axes	Maximum radial force N	Moment of inertia kgcm ²	Maximum driving torque N.m/lbf.in	Reference
Shaft journals Coupled to the axis, these can be used, via a mechanical adapter (not supplied), to connect: An encoder indicating the axis position A third-party application-specific drive	MAXH41 MAXS41 MAXP12 MAXR12 MAXR13	230	0.002	7.7 N.m/ 68.14 lbf.in	VW33MF1S12A12
	MAXH42 MAXS42 MAXP22 MAXR22 MAXR23	470	0.05	35.7 N.m/ 315.93 lbf.in	VW33MF1S27A20
	MAXH43 MAXS43 MAXP32 MAXR32 MAXR33	700	0.16	82 N.m/ 725.66 lbf.in	VW33MF1S32A25
	MAXH44 MAXS44 MAXP42 MAXR42 MAXR43	1,300	0.54	182 N.m/ 1,610.62 lbf.in	VW33MF1S37A32

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VW33MAP01

Lubrication accessories (1)

Description	For Lexium linear axes	Nozzle angle	Reference
High-pressure grease pump (2) This is used to lubricate axes with ball guides: Grease capacity: 120 cm ³ Flow rate: 0.5 cm ³ /pressure.	MAXH4●BB MAXS4●BB MAXP●2● - ●●●BB MAXR●2● - ●●●BB MAXR●3● - ●●●BB	—	VW33MAP01
High-pressure oil pump (2) This is used to lubricate axes with roller guides: Oil capacity: 120 cm ³ Flow rate: 0.5 cm ³ /pressure	MAXH4●BB MAXS4●BB MAXP●2● - ●●●BB MAXR●2● - ●●●BB MAXR●3● - ●●●BB	—	VW33MAP02
D6 rigid nozzles These are mounted on VW33MAP01 and VW33MAP02 high-pressure pumps to lubricate the Lexium axes.	MAXH4●B● MAXS4●B● MAXP●2● - ●●●B● MAXR●2● - ●●●B● MAXR●3● - ●●●B●	90°	VW33MAT01

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VW33MAP02

DF539889



VW33MAT01

(1) All technical data for accessories is available on our website www.schneider-electric.com.

(2) Requires a D type nozzle, to be ordered separately.

Lexium Cartesian Robots

Multi-axis systems

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MAXH43BR	7	VW33MF1S12A12	21
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The Next Generation



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