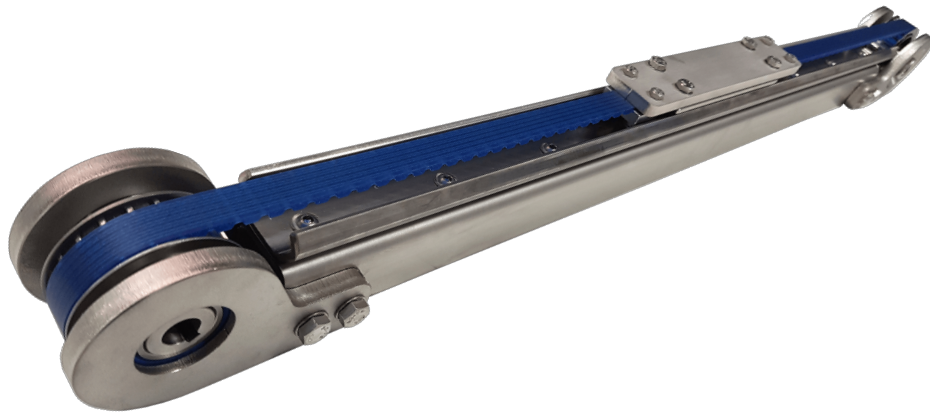


C-RAIL





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Product Overview

Almotion C-Rail is a simple and cost-effective linear bearing for applications where corrosion resistance is important. It is a compact and quiet linear guide with low friction. It is also available in our linear guide unit with a toothed belt (LTi45-TRB-C45).

C-Rail is available in stainless steel in three different sizes.

C-Rail has internal raceways to guarantee the best level of protection against impurities, debris and external abuse. The sliders have three radial ball bearings with double rubber seals and are lubricated for life. These rollers have eccentric pivots that allow adjusting the preload when mounted inside the rail.

Technical Data

- Speed: 1,5 m/s
- Max. temperature: 100°C (212°F)

Application Areas

- Food industry: production and packing of food/beverages
- Chemical and environment industry: water treatment devices
- Medical industry: analysis equipment
- Transport industry: sliding doors and boat constructions
- Power industry: boilers and house fireplaces
- Mechanical devices: car wash and automatic gates
- Machine tools: protective panel movement

Stainless Steel Version

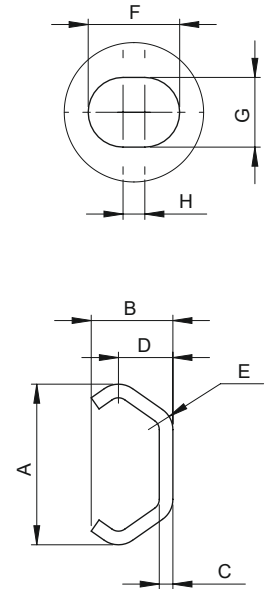
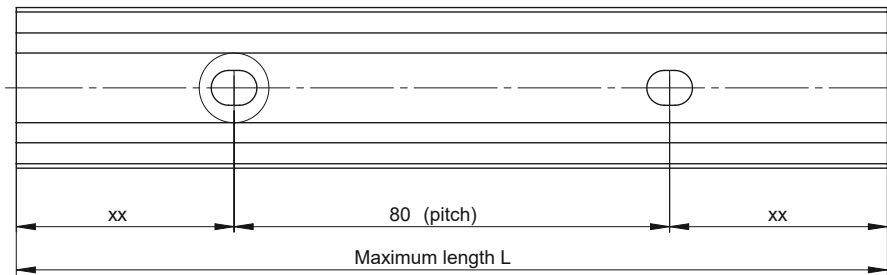
The stainless steel version (SXTE) is ideal for applications where water, temperature fluctuations or high temperatures occur. C-Rail is available in stainless steel AISI304. For AISI316, please contact Almotion.

Important characteristics (stainless steel)

- Corrosion resistant even after scratching, etching and chipping
- Can be used in washdowns
- Resistant to high temperatures and temperature changes
- No coatings that could flake or chip
- Low coefficient of friction
- Ecological and recyclable materials

Rail

SXTE: Stainless steel



Special lengths are available upon request. Please contact Rollco for more information.

Article No.	A	B	C	D	E	F	G	H	L	Fixing screws	Weight g/m
	mm										
SXTE20*	19,2	10	2	7	3	7	5	2	4000	C20-M4x8	470
SXTE30*	29,5	15	2,5	10	4,5	8,4	6,4	2	4000	C30-M5x10	900
SBTE/SXTE45	45,7	24,5	4	15,5	6	11	9	2	6080	C45-M8x16	2290

*Only available in stainless steel.

Button Head Screws (ISO 7380)

Material: Bright zinc plated / stainless steel

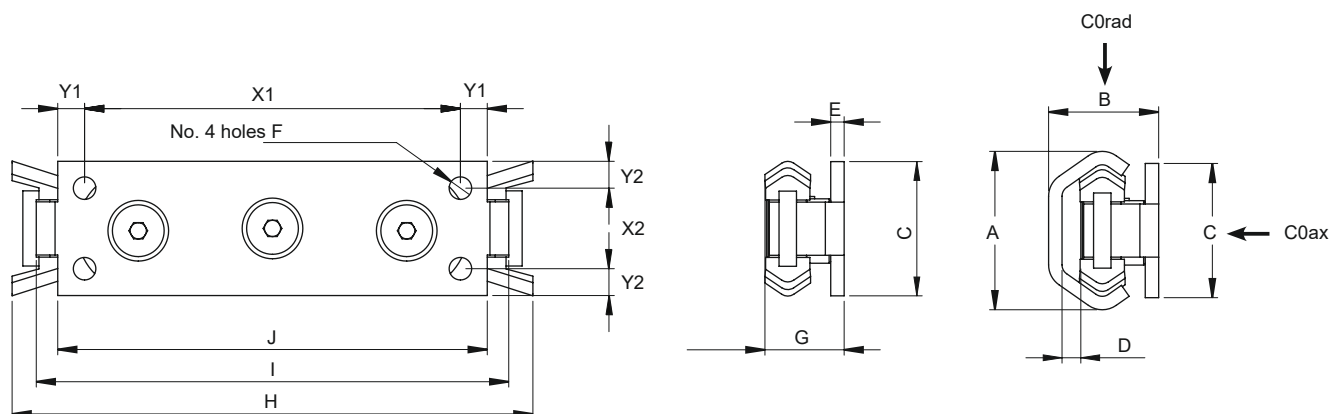
Property class: 10,9

Article No.	Type	Material	Weight (g)
PS1186	M4x8	Stainless steel	1,0
PS1187	M5x10	Stainless steel	2,0
PS1188	M8x16	Stainless steel	7,2



Slider Plate Version

LXWL: Stainless steel body with wipers and stainless steel rollers



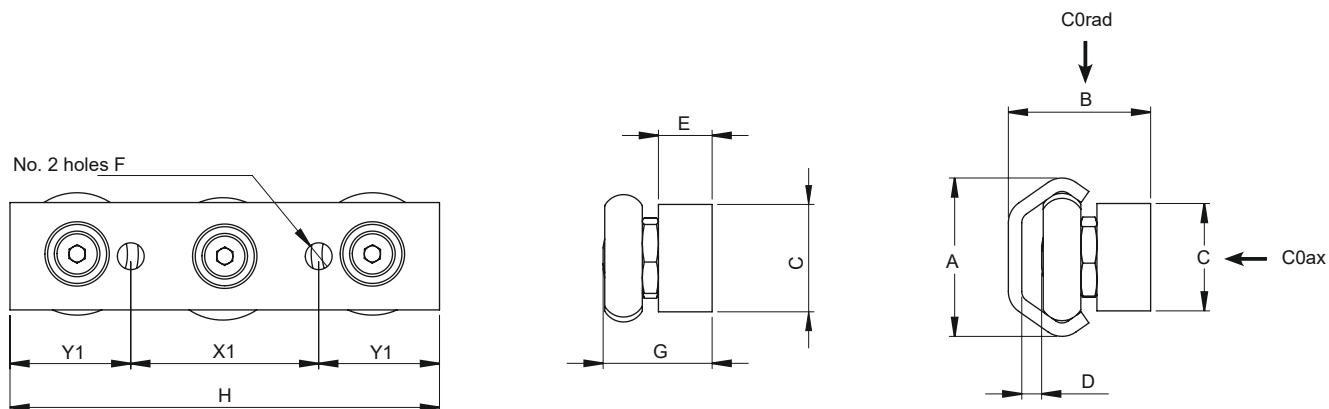
Article No.	A	B	C	D	E	F	G	H	I		Y1	X1	X2	Y2
	mm													
LXWL20-80-2RS	19,2	16,0	18	2,5	3,0	M5	11,5	91	80	71	5,5	60	-	9
LXWL30-88-2RS	29,5	20,5	25	4,0	2,5	M5	14,5	97	88	80	5,0	70	15	5
LXWL45-150-2RS	45,7	31,0	40	5,0	4,0	M6	22	160	150	135	7,5	120	23	8,5

A, B and D = with rail

Article No.	Weight	Load capacity (N)	
	kg	C0-rad	C0-ax
LXWL20-80-2RS	0,05	300	170
LXWL30-88-2RS	0,11	800	400
LXWL45-150-2RS	0,40	1600	860

Slider Solid Version

LXBE: Stainless steel body and rollers



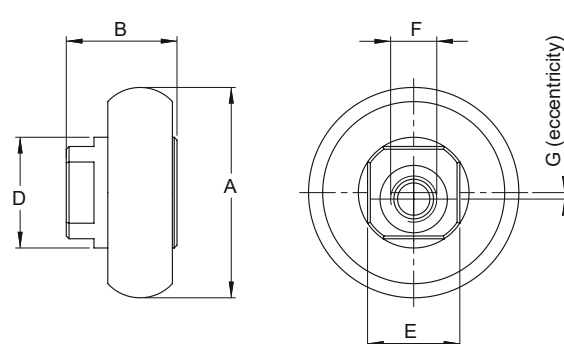
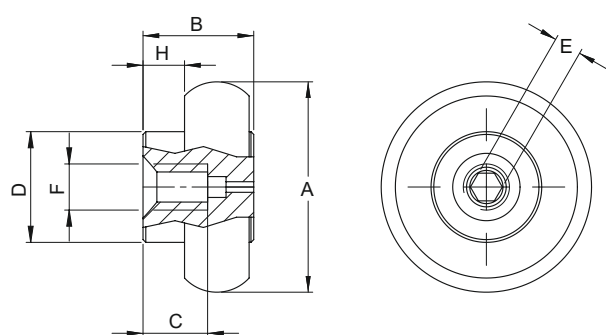
Article No.	A	B	C	D	E	F	G	H	X1	Y1
	mm									
LXBE20-60-2RS	19,2	17,8	10	2,65	6	M5	13,15	60	20	20
LXBE30-80-2RS	29,5	26,5	20	3,7	10	M6	20,3	80	35	22,5
LXBE45-120-2RS	45,7	41	30	5,1	15	M8	31,9	120	55	32,5

A, B and D = with rail

Article No.	Weight	Load capacity (N)	
	kg	C0-rad	C0-ax
LXBE20-60-2RS	0,04	300	170
LXBE30-80-2RS	0,17	800	400
LXBE45-120-2RS	0,60	1600	860

ROLLERS

Rollers for Plate Version

CONCENTRIC ROLLER
RXBLN: Stainless bearing steel
ECCENTRIC ROLLER
RXBLA: Stainless bearing steel


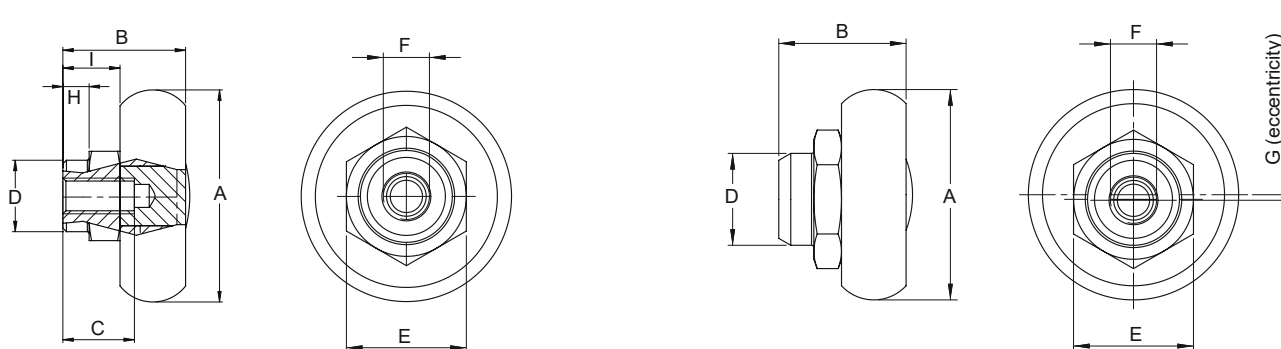
Article No.	A	B	C	D	E	F	G	H	Weight kg
mm									
RXBLN20-2RS	14	8,2	6	8	2	M4	-	4	0,006
RXBLA20-2RS	14	8,2	6	8	6	M4	0,5	4	0,006
RXBLN30-2RS	22,8	12	7	12	3	M5	-	4,5	0,020
RXBLA30-2RS	22,8	12	7	12	10	M5	0,7	4,5	0,020
RXBLN45-2RS	35,6	17,3	12	16	3	M6	-	6	0,068
RXBLA45-2RS	35,6	17,3	12	16	13	M6	0,8	6	0,068

A, B and D = with rail

In this catalogue you will find the standard slider with 3 rollers. The rollers can also be mounted directly into your application or we can make special sliders according to your need. Please contact us for more information.

ROLLERS

Rollers for Solid Version

CONCENTRIC ROLLER
RXBN: Stainless bearing steel
ECCENTRIC ROLLER
RXBA: Stainless bearing steel


Article No.	A	B	C	D	E	F	G	H	I	Weight kg
mm										
RXBN20-2RS	14	8,7	6	6	8	M4	-	1,8	4,7	0,006
RXBA20-2RS	14	8,7	6	6	8	M4	0,5	1,8	4,7	0,006
RXBN30-2RS	22,8	13,8	7	10	13	M5	-	3,8	6,8	0,022
RXBA30-2RS	22,8	13,8	7	10	13	M5	0,6	3,8	6,8	0,022
RXBN45-2RS	35,6	20,6	12	12	15	M6	-	4,5	9,6	0,070
RXBA45-2RS	35,6	20,6	12	12	15	M6	0,8	4,5	9,6	0,070

A, B and D = with rail

In this catalogue you will find the standard slider with 3 rollers. The rollers can also be mounted directly into your application or we can make special sliders according to your need. Please contact Rollco for more information.

ORDER CODES

Rail

SXTE45 - 1040 - 20 - 20

Rail type (SXTE)

Size (20, 30, 45)

Length of rail

Distance from end of rail to center of first hole

Distance from center of last hole to rail end

Slider

LXWL30 - 80 - 2RS

Slider type (LXWL, LXBE)

Size (20, 30, 45)

Slider length (Plate version: 80, 88, 150. Solid version: 60, 80, 120)

Roller protection shield type (2Z, 2RS)

Roller

RXBLA45 - 2RS

Roller type (RXBLN, RXBLA, RXBN, RXBA)

Size (20, 30, 45)

Roller protection shield type (2Z, 2RS)

Mounted Rail and Slider

SXTE45 - 2 - LXWL30-80-2RS - 1040 - 20 - 20

Rail type

No. of sliders on each rail

Slider type

Slider dimension

Slider body length

Roller protection shield type

Length of rail

Distance from end of rail to center of first hole

Distance from center of last hole to rail end