

# C-RAIL



**ROLLCO**  
SPECIALIZED  
ON LINEAR MOTION



## Index

Product overview .....	4
Rail .....	5
Slider plate version .....	6
Slider solid version .....	7
Rollers for plate version .....	8
Rollers for solid version .....	9
One partner for linear motion .....	11



## PRODUCT OVERVIEW

A simple and cost-effective linear bearing for applications where good load capacity and corrosion resistance is important.

## Stainless Steel Version

This version of the formed rail (SXTE) is made of AISI304 stainless steel. AISI316 available on request. The raceways are internal for better protection and compactness. The sliders (LXBE/LXWL) have three stainless steel (AISI440) radial ball bearings with double rubber seals (2RS) and are lubricated for life. These rollers have eccentric pivots that allow adjusting the preload when mounted inside the rail. The rollers are mounted to the stainless steel (AISI304) slider body. Sliders moving inside internal raceways guarantee the best level of protection against impurities, debris, and external abuse.

- 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

## Technical Data

- Max. temperature: 100°C (212°F)
- Speed: 1,5 m/s
- Corrosion resistance for stainless version: Minerals oils, water, methanol, solvents

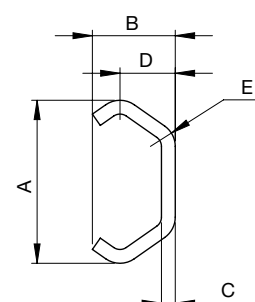
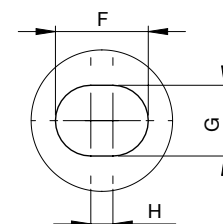
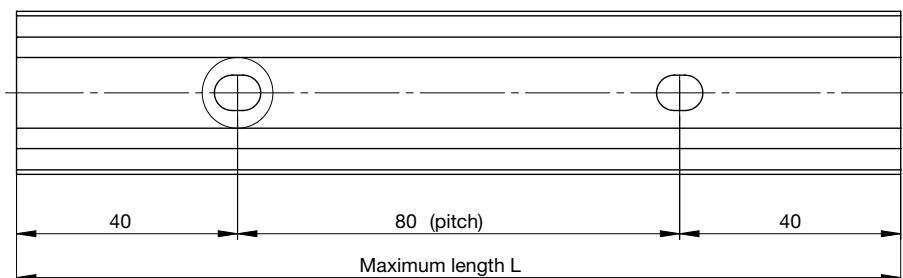
## Application Fields

- 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



# Rail

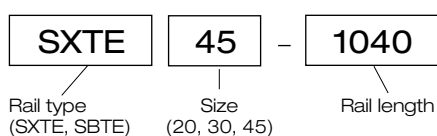
**SBTE: Standard zinc plated steel**  
**SXTE: Stainless steel**



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

Size	A	B	C	D	E	F	G	H	L	Fixing screws	Weight
	mm										g/m
SBTE45	45,7	24,5	4	15,5	6	11	9	2	6080	C45-M8x16	2290
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
SXTE45	45,7	24,5	4	15,5	6	11	9	2	6080	C45-M8x16	2290

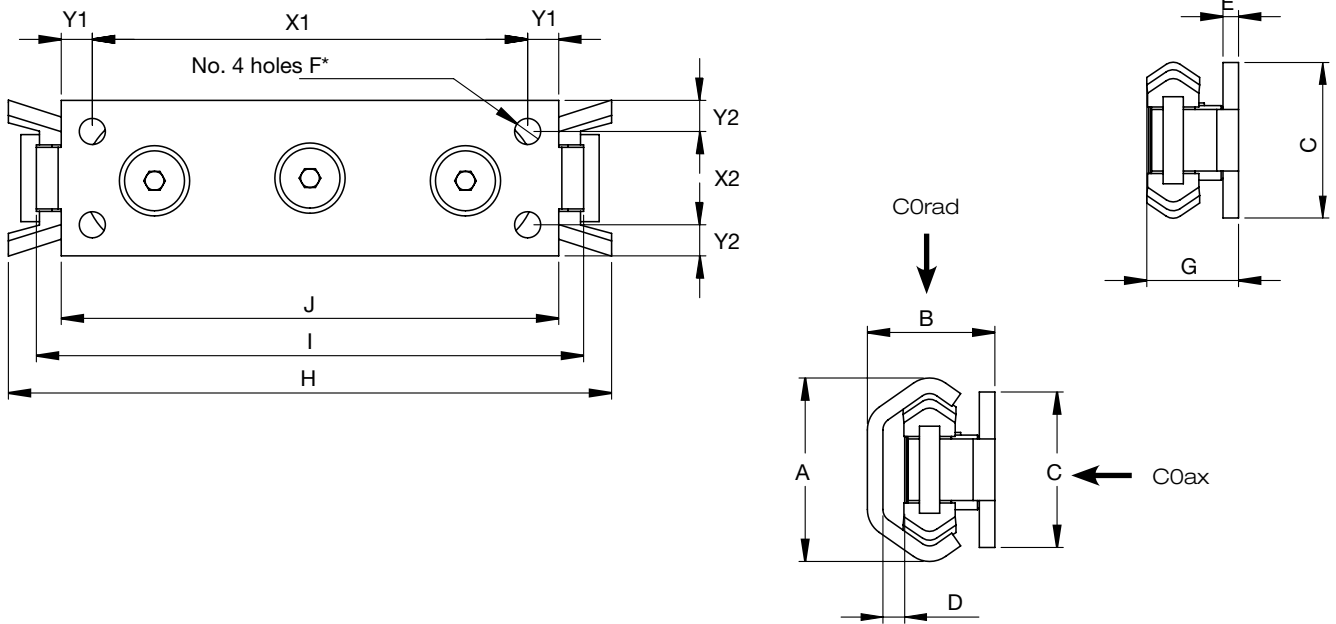
## Order code



# Slider Plate Version

**LSWL: Stainless steel body with scrapers and standard steel rollers**

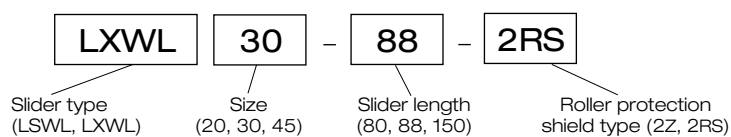
**LXWL: Stainless steel body with scrapers and stainless steel rollers**



Size	A	B	C	D	E	F	G	H	I	J	Y1	X1	X2	Y2	Weight	Load capacity (N)	
																C0rad	C0ax
LSWL20-80-2Z	19,2	16,0	18	2,5	3,0	M5	11,5	91	80	71	5,5	60	-	9	0,05	300	170
LSWL30-88-2Z	29,5	20,5	25	4,0	2,5	M5	14,5	97	88	80	5,0	70	15	5	0,11	800	400
LSWL45-150-2Z	45,7	31,0	40	5,0	4,0	M6	22	160	150	135	7,5	120	23	8,5	0,40	1600	860
LXWL20-80-2RS	19,2	16,0	18	2,5	3,0	M5	11,5	91	80	71	5,5	60	-	9	0,05	300	170
LXWL30-88-2RS	29,5	20,5	25	4,0	2,5	M5	14,5	97	88	80	5,0	70	15	5	0,11	800	400
LXWL45-150-2RS	45,7	31,0	40	5,0	4,0	M6	22	160	150	135	7,5	120	23	8,5	0,40	1600	860

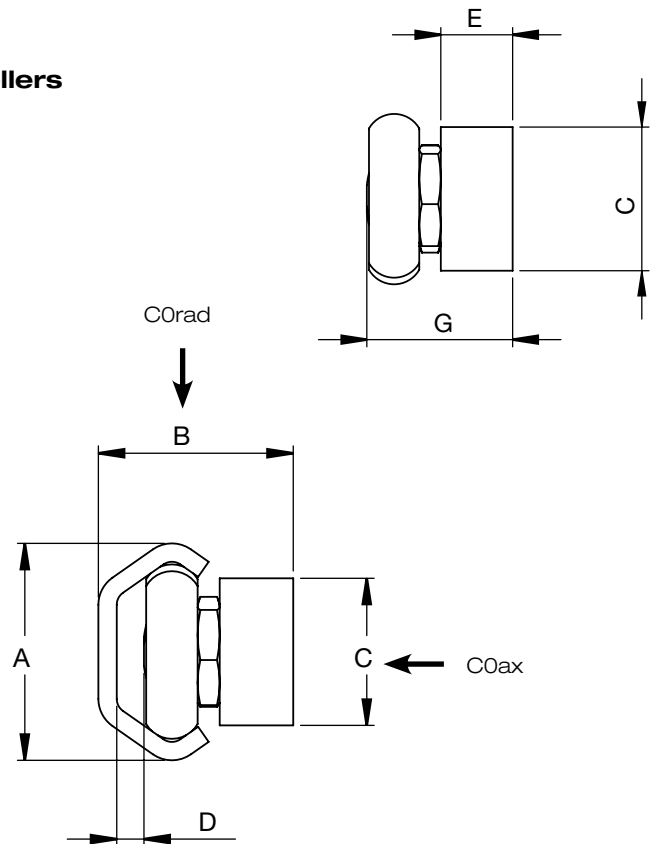
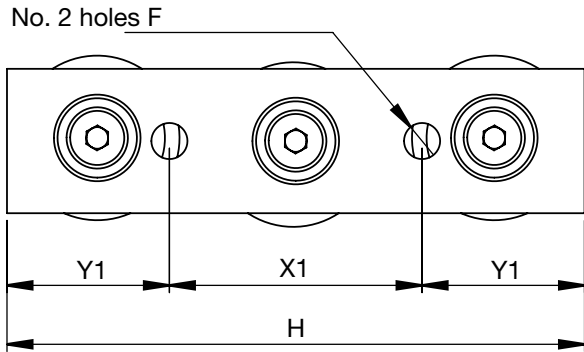
A, B and D = with rail

## Order code



# Slider Solid Version

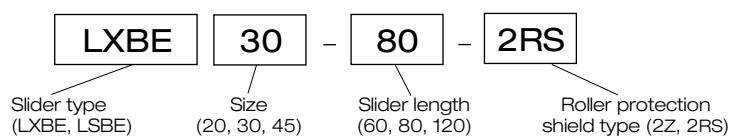
**LSBE: Zinc-plated body and standard steel rollers**  
**LXBE: Stainless steel body and rollers**



Size	A	B	C	D	E	F	G	H	X1	Y1	Weight	Load capacity (N)	
												C0rad	C0ax
LSBE20-60-2Z	19,2	17,8	10	2,65	6	M5	13,15	60	20	20	0,04	300	170
LSBE30-80-2Z	29,5	26,5	20	3,7	10	M6	20,3	80	35	22,5	0,17	800	400
LSBE45-120-2Z	45,7	41	30	5,1	15	M8	31,9	120	55	32,5	0,60	1600	860
LXBE20-60-2RS	19,2	17,8	10	2,65	6	M5	13,15	60	20	20	0,04	300	170
LXBE30-80-2RS	29,5	26,5	20	3,7	10	M6	20,3	80	35	22,5	0,17	800	400
LXBE45-120-2RS	45,7	41	30	5,1	15	M8	31,9	120	55	32,5	0,60	1600	860

A, B and D = with rail

## Order code



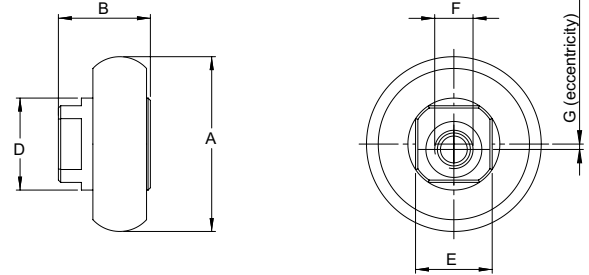
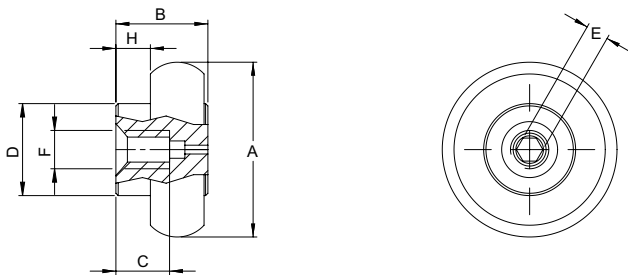
# Rollers for Plate Version

**NON ECCENTRIC ROLLER**

**RSBLN: Standard bearing steel**  
**RXBLN: Stainless bearing steel**

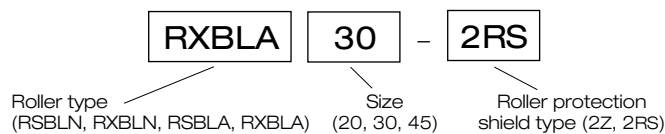
**ECCENTRIC ROLLER**

**RSBLA: Standard bearing steel**  
**RXBLA: Stainless bearing steel**



Size	A	B	C	D	E	F	G	H	Weight
	mm								kg
RSBLN20-2Z RXBLN20-2RS	14	8,2	6	8	2	M4	-	4	0,006
RSBLA20-2Z RXBLA20-2RS	14	8,2	6	8	6	M4	0,5	4	0,006
RSBLN30-2Z RXBLN30-2RS	22,8	12	7	12	3	M5	-	4,5	0,020
RSBLA30-2Z RXBLA30-2RS	22,8	12	7	12	10	M5	0,7	4,5	0,020
RSBLN45-2Z RXBLN45-2RS	35,6	17,3	12	16	3	M6	-	6	0,068
RSBLA45-2Z RXBLA45-2RS	35,6	17,3	12	16	13	M6	0,8	6	0,068

## Order Code

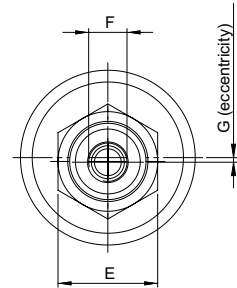
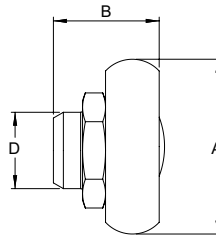
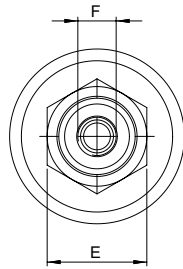
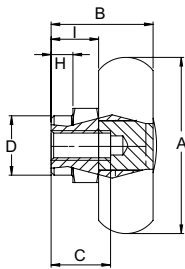




# Rollers for Solid Version

**NON ECCENTRIC ROLLER**  
**RSBN: Standard bearing steel**  
**RXBN: Stainless bearing steel**

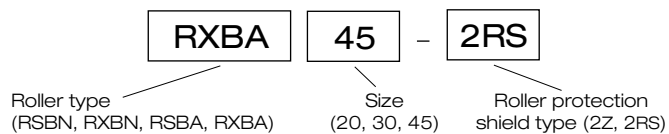
**ECCENTRIC ROLLER**  
**RSBA: Standard bearing steel**  
**RXBA: Stainless bearing steel**



Size	A	B	C	D	E	F	G	H	I	Weight
	mm									kg
RSBN20-2Z RXBN20-2RS	14	8,7	6	6	8	M4	-	1,8	4,7	0,006
RSBA20-2Z RXBA20-2RS	14	8,7	6	6	8	M4	0,5	1,8	4,7	0,006
RSBN30-2Z RXBN30-2RS	22,8	13,8	7	10	13	M5	-	3,8	6,8	0,022
RSBA30-2Z RXBA30-2RS	22,8	13,8	7	10	13	M5	0,6	3,8	6,8	0,022
RSBN45-2Z RXBN45-2RS	35,6	20,6	12	12	15	M6	-	4,5	9,6	0,070
RSBA45-2Z RXBA45-2RS	35,6	20,6	12	12	15	M6	0,8	4,5	9,6	0,070

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

## Order Code



**Notes:**

## One Partner for Linear Components:



**BALL SCREWS**  
Cylindrical and flange-nut.



**BELT DRIVEN LINEAR UNIT**  
Complete unit -easy to mount



**QUADRO TABLE**  
Complete linear drive unit.  
Can be supplied with protection bellows.



**ACTUATORS**  
Ready-to-use or customized solutions.



**LINEAR RAIL SYSTEM WITH ROLLERS**  
In stead of balls 4 raceways with rollers. Ideal for high load capacity.



**LINEAR RAIL SYSTEM**  
Monorails. Compatible dimension. Very competitive product range.



**MINIATURE LINEAR RAIL SYSTEM**  
Range from 3 mm up to 15 mm.



**LIGHT TELESCOPIC**  
Telescopic systems for smooth movement. Steel and aluminium.



**C-RAIL**  
A simple and cost effective linear bearing system



**HEAVY LOAD SYSTEM**  
Range of many different shapes and sizes for heavy load.



**BELLOWS**  
We produce and supply bellows according to your specific needs.



**BALL BEARINGS**  
Linear ball bearings and hardened steel shaft.

Every care has been taken to ensure the accuracy of the information contained in this catalogue but no liability can be accepted for any errors or omissions. Even partial reproduction is allowed only by written permission by Rollco.

**Rollco AB**  
Box 22234  
Ekvändan 3  
250 24 Helsingborg  
Sweden  
Tel. +46 42 150040  
Fax +46 42 150045  
[www.rollco.se](http://www.rollco.se)

**Rollco A/S**  
Bramdrupskovvej 15  
6000 Kolding  
Denmark  
Tel. +45 7552 2666  
Fax +45 7552 0708  
[www.rollco.dk](http://www.rollco.dk)

**Rollco OY**  
Kuohuntie 2  
36200 Kangasala  
Finland  
Tel. +358 207 57 97 90  
Fax +358 207 57 97 99  
[www.rollco.fi](http://www.rollco.fi)

**Rollco Norge AS**  
Bergliveien 2  
3400 Lier  
Norway  
Tel. +47 32 84 00 34  
Fax +47 32 84 00 91  
[www.rollco.no](http://www.rollco.no)

**Rollco Taiwan**  
No. 28, Lane 125, Da-an Road  
Shulin City 238  
Taiwan  
Tel. +886-2-8687-2726  
Fax +886-2-8687-2720  
[www.rollco-tw.com](http://www.rollco-tw.com)



**ROLLCO**  
SPECIALIZED  
ON LINEAR MOTION