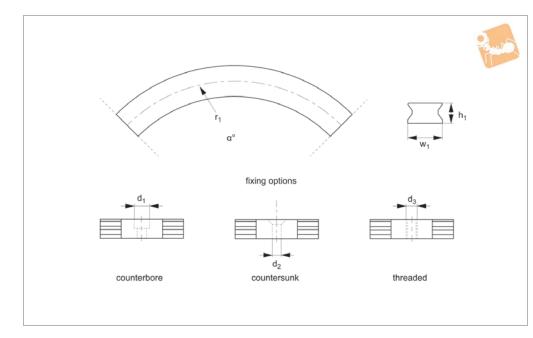


Constant Radius Rails

size 23

Long Linear Rails





L1978.CRX23

Material

Steel rail (C43), electrolytic zinc plated. All stainless steel on request.

Technical Notes

Standard radii are shown below but any radius (from $r_1 > 120 \text{ mm}$) can be produced. Advise angle required and fixing option

type.

Temperature range -30°C to +80°C. Rail weight 2,2 Kg/m.

Tips

Combine with curviline sliders L1978.CX23-100.

Recommended hole pitch on rail is 80mm.

Rail tolerance ± 0,5mm, angle tolerance ± 1°.

Recommended rail hole is counterbored (easy to install).

Important Notes

Not to be used in high-cycle applications.

Order No.	w_1	h ₁	r ₁	α	d_1 for	d ₂ for	d ₃ for
.1978.CRX23-0150-xx	23	13.5	150	tba	M6	M6	M8
.1978.CRX23-0200-xx	23	13.5	200	tba	M6	M6	M8
.1978.CRX23-0250-xx	23	13.5	250	tba	M6	M6	M8
.1978.CRX23-0300-xx	23	13.5	300	tba	M6	M6	M8
.1978.CRX23-0400-xx	23	13.5	400	tba	M6	M6	M8
.1978.CRX23-0500-xx	23	13.5	500	tba	M6	M6	M8
.1978.CRX23-0600-xx	23	13.5	600	tba	M6	M6	M8
.1978.CRX23-0700-xx	23	13.5	700	tba	M6	M6	M6
.1978.CRX23-0800-xx	23	13.5	800	tba	M6	M6	M8
.1978.CRX23-0900-xx	23	13.5	900	tba	M6	M6	M8
1978.CRX23-1000-xx	23	13.5	1000	tba	M6	M6	M8



Long Linear Rails

Constant Radius Rails size 23



0200 - 060 - X adius: r (mm) >120 0 to 360° CB - Counterbored CS - Counterbored CS - Countersunk TR - Threaded
adius: r (mm) Angle: α° Fixing hole type: >120 0 to 360° CB - Counterbored CS - Countersunk

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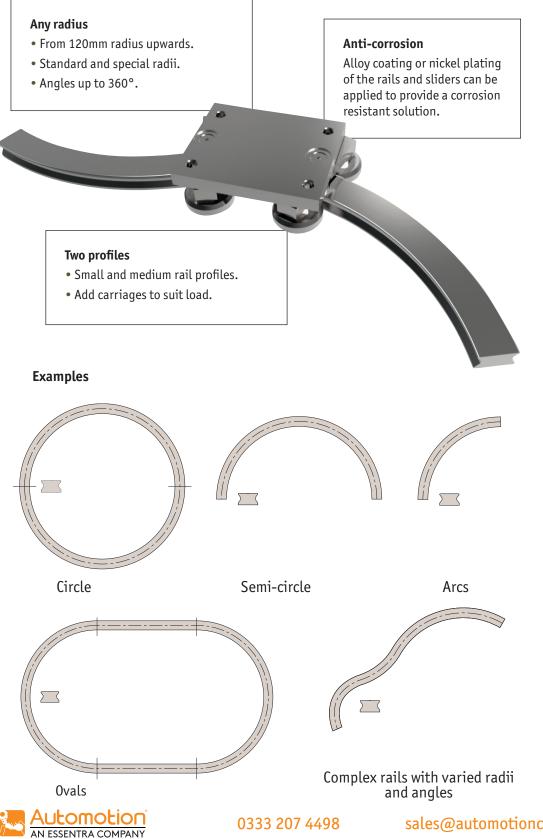


Curviline Rail

The Curviline rail system offers a cost-effective solution to curvi-linear applications.

Flexibility when you need it

Constant radius, variable radius are available in standard radii, non-standard radii to your drawings are also possible. Straight and curved sections in a single length can be supplied.



Survi



Specifications

- Maximum speed 1,5 m/s.
- Maximum acceleration 2 m/s².
- Maximum rail length 3600 mm.
- Two rail sizes 16,5 and 23,5 mm width.
- Minimum radius 120 mm.
- Recommended hole pitch 80 mm.
- Radius tolerance ± 0,5 mm (± 1°).
- Maximum radial load per slider 1615N.
- Temperature range -30°C to +80°C.

Applications



Sliding doors & windows Internal sliding doors gates • roof lights display cases



Special purpose & packaging machines Precision positioning systems handling units • robotic systems cutting machines



Roller bearing seals 2Z (dust proof),

(stainless versions with rubber seals

Special coatings and finishes available

lubricated for life.

on request.

Rollers from 100Cr6,

2RS available on request).

Sliders are preload adjustable.

Not suitable for moment loads.

Safety guarding Extending protective systems sliding gates automatic pick & place



Transport (naval) Sliding hatches pull-out storage



Transport (military) Sliding seats protective hatches stretcher extensions



Transport (automotive) Ambulance sliding systems fire fighting vehicles sliding panels



Transport (rail) Seat adjustment sliding doors battery removal units

aurviline Rail

rviline

Rail from Automotion Components

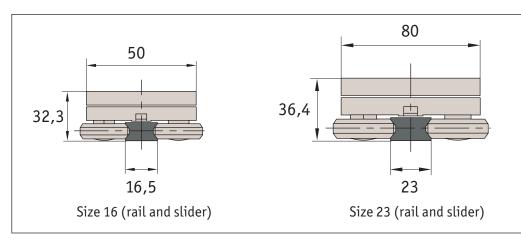


Technical Information

Rail sizes and types

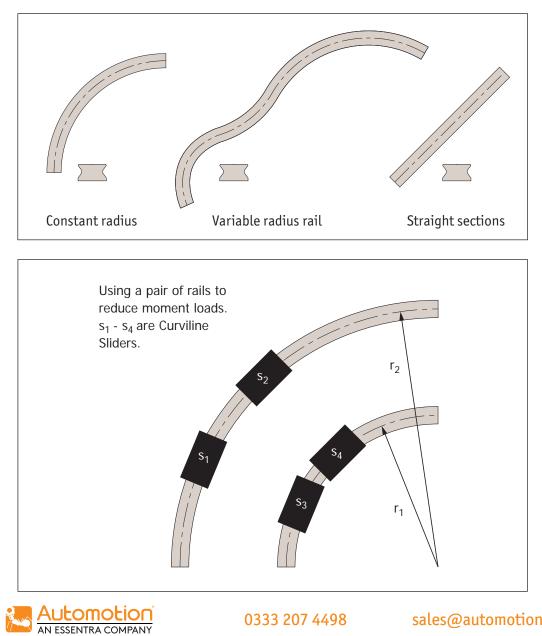


Rail sizes



The sliders have eccentric rollers that are adjustable with the thin spanner that is supplied with them. This allows the preload of the system to be set as required - tight or free running.

Rail types

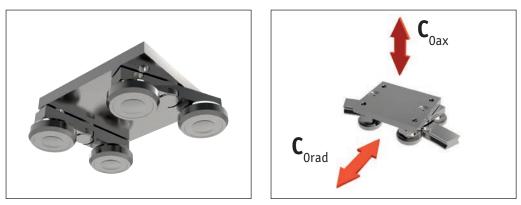


0333 207 4498

How to order



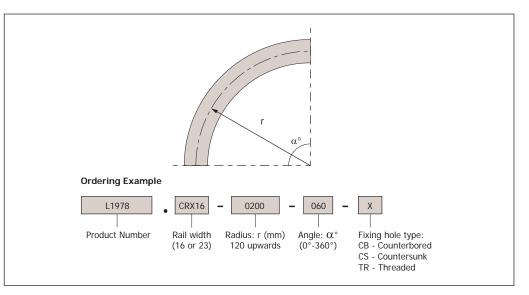
Load capacities



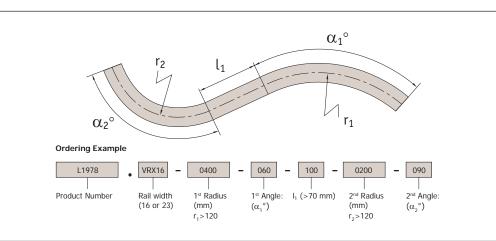
Slider type	C _{oax} N	C _{orad} N
L1978.CX16-070	390	560
L1978.CX23-100	1110	1600

Note: Reduce any moment loads by utilising two or more sliders and/or rails.

Constant radius



Variable radius





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aurviline Rail