

TE & STE Roller Type Guide

Self-aligning linear roller guide system made with cold formed steel or marine grade stainless steel C section. Sealed bearings are lubricated for life. Wiper system as standard, designed for dirty environments. Economical design, with performance over price.



Rail: Sizes 30 & 45 Material: Zinc plated steel Q235B or Marine grade 316L (1.4404) austenitic stainless steel. Max stocked length: 3040mm. Supplied cut to length from 160mm in 80mm increments. Drilled with mounting holes and ready for use. Material Q235B has a minimum yield strength of 235 MPa.

Slider: Sizes 30 & 45 The Slider comes in two types: Compact Body or Solid Body.

Standard Sliders have a combination of fixed and floating concentric and excentric Rollers, adjustable for pre-load.

Compact Sliders (SE/SSE) are made from interchangeable zinc plated steel Q235B or stainless steel 316L (1.4404).

Solid Body Sliders (CE/SCE) use solid black alloy Slider Blocks: Size 30 - 6061 T6. Size 45 - 7075 T6

Standard Sliders have a 3 Roller configuration as standard (Con-Exc-Con) for ease of adjustment. Bespoke 4, 5 and 6 Roller Slider options.

Rollers: Sealed and lubricated for life. Precision ground ball bearings. Material: GCr15 bearing steel/SUS440 martensitic stainless steel.

Features: Reliability in industrial applications due to raceway Wipers fitted front and rear on the Compact Sliders as standard. Ease of assembly: Rails are supplied drilled and cut to length. Sliders fitted to Rails with factory fit pre-load. TE and STE Rails are specified on a range of applications: Vending machines, Machine building doors, catering, food production, marine, medical, aerospace interiors and transport industries to name a few.

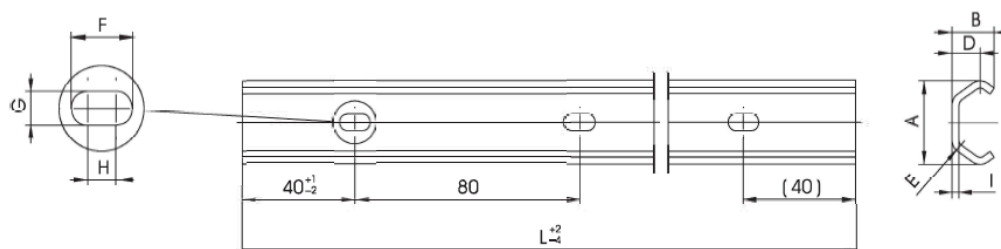
Interchangeability of steel/stainless steel Rails and Sliders, with Rollers/Wipers able to purchase separately.

Performance: Max. operating speed: 1.5 m/s . Max. acceleration: 2 m/s² .

Temperature range: Zinc-plated steel -20 °C + 120 °C. Stainless steel: -20 °C + 100 °C. Consult us for high temp.

Assembly: Sliders have adjustable pre-load via the excentric roller. Loosening and tightening allows tolerance variation to zero degs axial play within the Rail raceways. The Compact Sliders are supplied with removable/replaceable raceway wipers. Solid Body Sliders do not have wipers.

TE Linear Rail (zinc plated steel)



Rail Type	Size	A	B	t	D	E	F	G	H	Drilled for screw
TE	30	29.5	15	2.5	10	4.5	11	6	5	M 5
	45	46.4	24	4	15.5	6.5	14	9	5	M 8

Length Options:

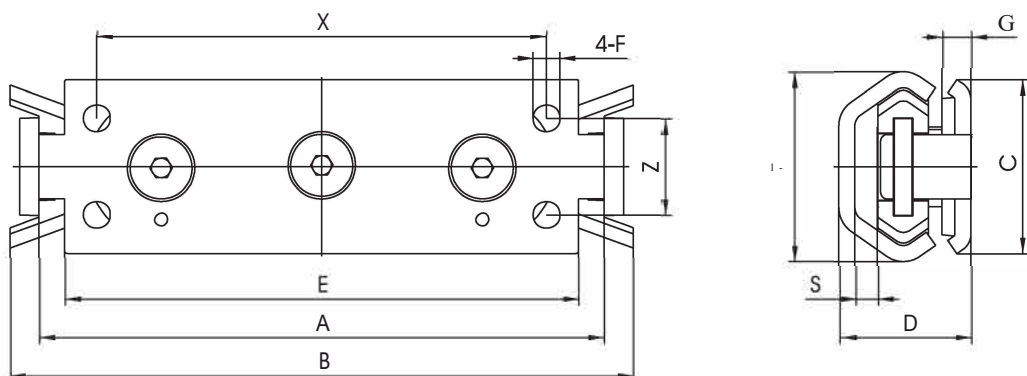
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Order Specification

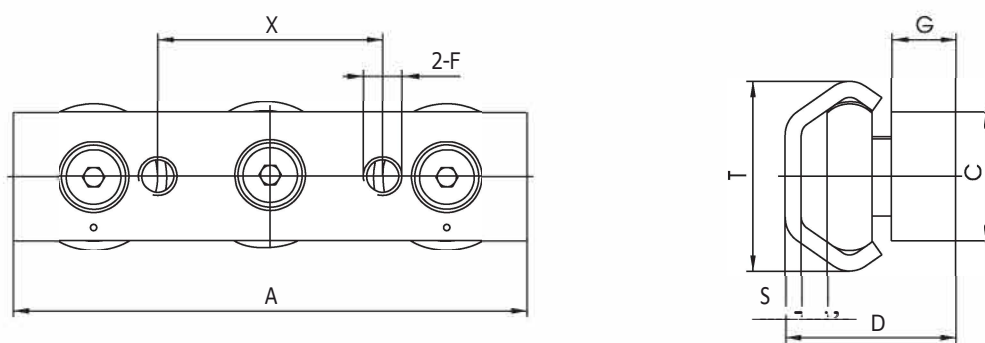
TE	30	XL	
			Rail length
			Size
			Product Series Code

Steel Sliders

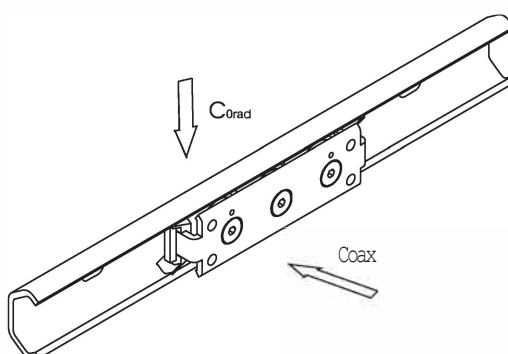
Compact Body SE30



Aluminium Solid Body CE30

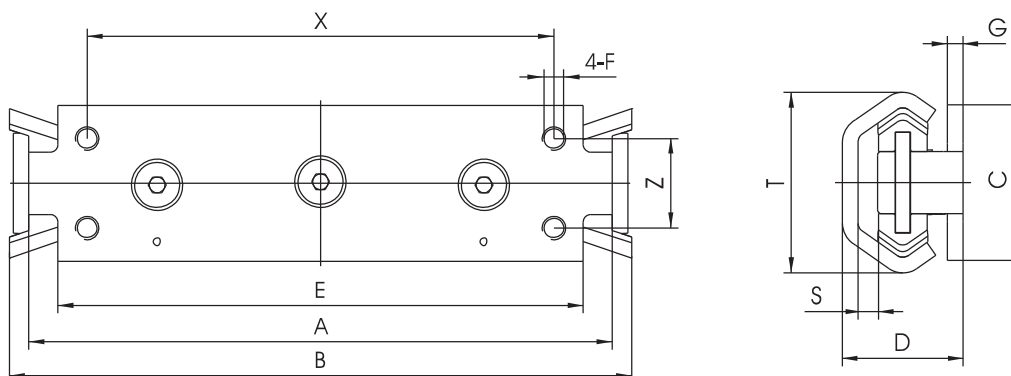


*Bearing steel Rollers are fitted to the Slider body

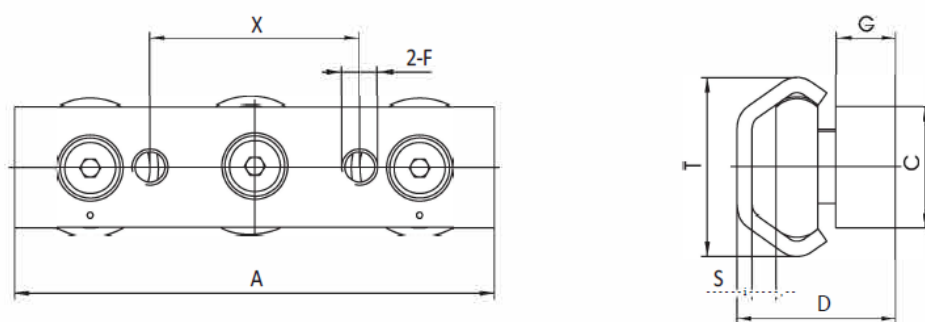


Slider Type	A	B	C	D	E	F	G	S	T	Z	X	Co'''	Caax
SE30	88	97	27	20.5	80	M5	4.5	3.5	29.5	15	70	870	435
CE30	80	-	20	26.5	-	M6	10	3.3	29.5	-	35	870	435

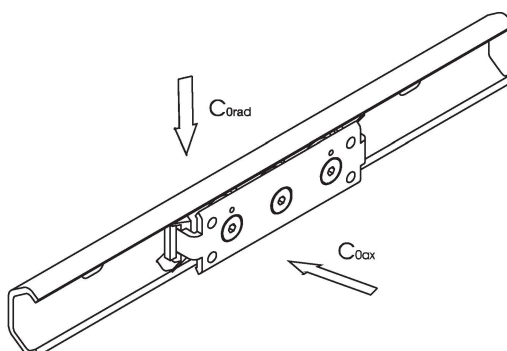
Compact Body Slider SE45



Aluminium Solid Body Slider CE45

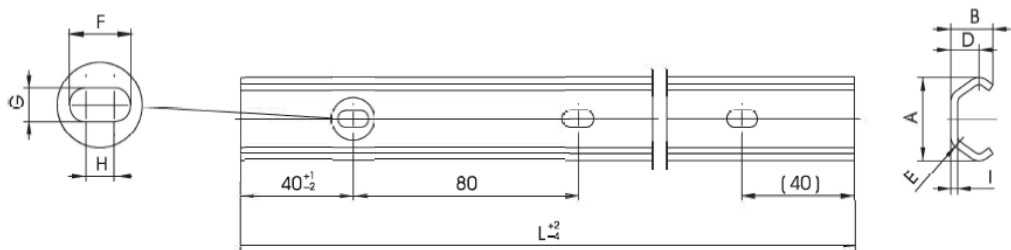


*Bearing steel Rollers are fitted to the Slider body



Slider Type	A	B	C	D	E	F	G	S	T	Z	X	C_{0rad}	C_{0ax}
SE45	150	160	40	31	135	M6	4	5	46.4	23	120	1740	935
CE45	120	-	25	38	-	M8	12	5.7	46.4	-	55	1740	935

STE Linear Rail (stainless steel)



Rail Type	Size	A	B	t	D	E	F	G	H	Drilled for screw
STE	30	29.5	15	2.5	10	4.5	11	6	5	M 5
	45	46.4	24	4	15.5	6.5	14	9	5	M 8

Length Options:
160-240-320-400-480-560-640-720-800-880-960-1040-1120-1200-1280-1360-1440-1520-1600-1680-1760-1840-1920-2000-2080-2160-2240-2320-2400-2480-2560-2640-2720-2800-2880-2960-3040 (Up to 4000mm on request and MOQ)

Order Specification

STE

30

XL

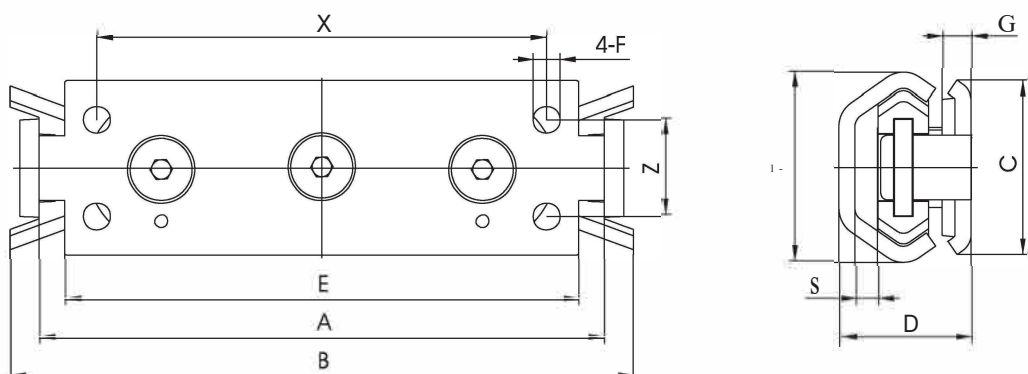
Rail length

Size

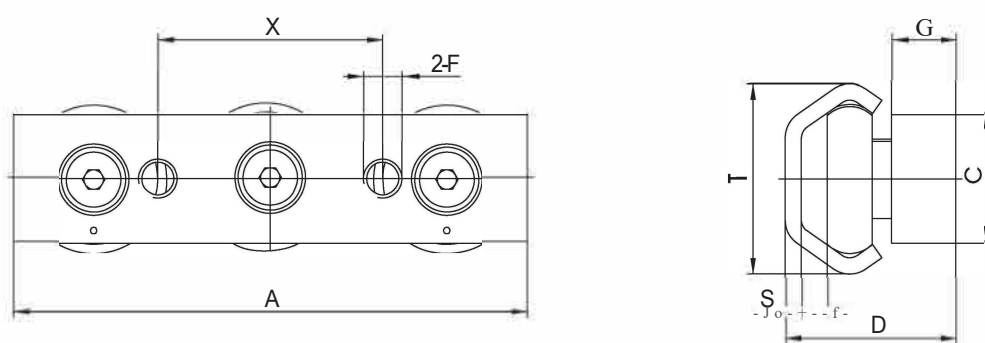
Product Series Code

Stainless Steel Sliders

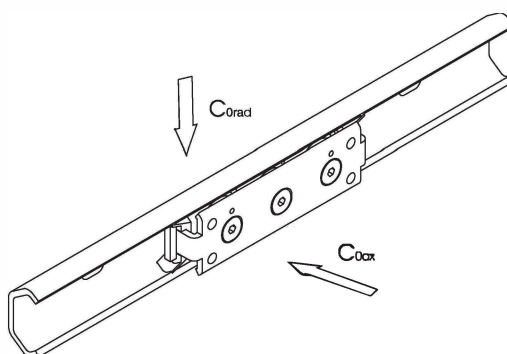
Compact Body SSE30



Aluminium Solid Body Sliders SCE30

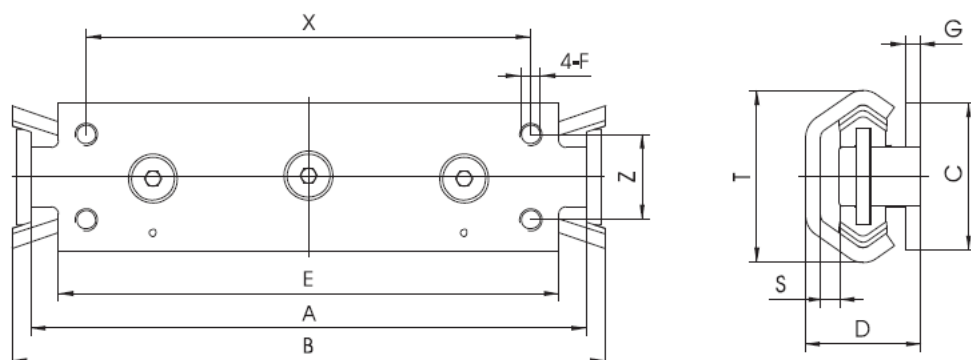


*SUS440 Rollers are fitted to the Slider body

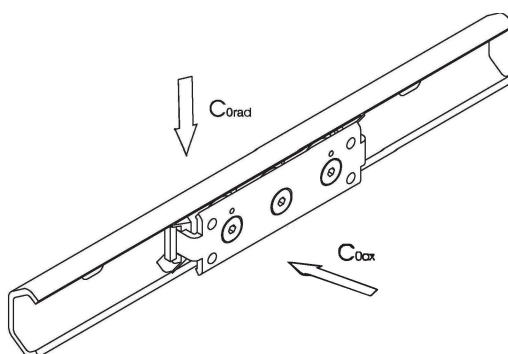
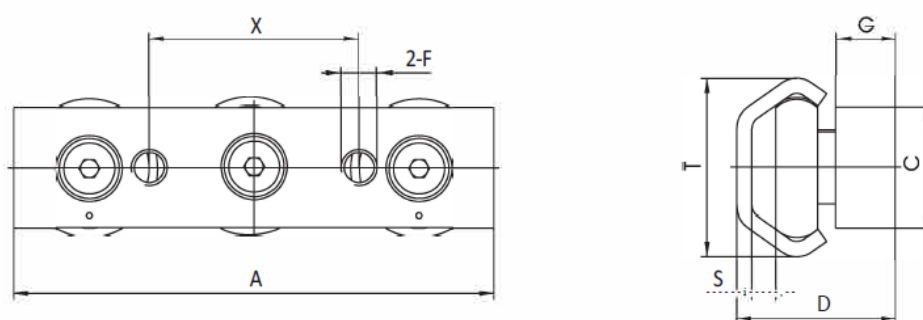


Slider Type	A	B	C	D	E	F	G	S	T	Z	X	C _{rad}	C _{ax}
SSE30	88	97	27	20.5	80	M6	4.5	3.5	29.5	15	70	870	435
SCE30	80	-	20	26.5	-	M5	8.5	3.3	29.5	-	35	870	435

Compact Body Sliders SSE45



Aluminium Solid Body Sliders SCE45



Slider Type	A	B	C	D	E	F	G	S	T	Z	X	C _{0rad}	C _{0ax}
SSE45	150	160	40	31	135	M6	4	5	46.4	23	120	1740	935
SCE45	120	-	25	38	-	M8	12	5.7	46.4	-	55	1740	935