

Stretchline FS CS090SL closed



STRETCH_LINE

Version 2. July 2025



fs solutions

by hellomoov



FS CS090SL CLOSED Conveyor system

Introduction
STRETCH_LINE

FS Solutions brings STRETCH_LINE to the next level

From 01.01.2019 FS Solutions has taken over the STRETCH_LINE Transportsystem from MS Plus Automation/Schüco.

This proven transport system is an ideal addition to the modular transport systems of FS Solutions. Customers are ensured with a unique range and extensive application know-how for the STRETCH-LINE system.

FS Solutions is a provider of turnkey solutions, components as well as assembly kits for process automation and internal transport.

Since the start in 2005, FS Solutions has built up an impressive reference list in manufacturing high-end transportsystems and production automation for various industries, such as: Logistics, Food, Consumer goods (FMCG), Tobacco and Pharma.

Our motivated and enthusiastic team always strives to provide a fast and adequate response. As FS Solutions uses high-quality, modular elements, each system can be compiled to requirement. Our extensive service does not end on delivery.

“With over 20 years of experience and know-how, FS Solutions is guaranteed to find you a high-end solution.”

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Patents
Parts of the FS Solutions product range are protected by patents and design regulations. Drawings are made to European standards.

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Icon overview

General

	Note Caution		Weight		Fabrication
	Packaging unit		Tools		Mounting
	Material		Cutting profile to length		Energy Efficiency
	Colour		Left-hand version LS/ right-hand version RS		
	Surface		Type/Version		

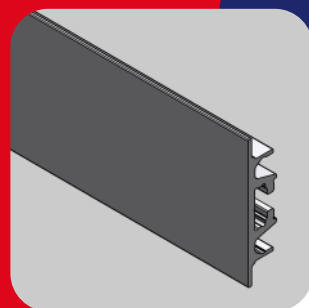
System related

	Chain Type		Drive motor		Effective chain length
	Maximum permissible chain pulling force		Conveyor chain material		Effective chain length - inside curve
	Maximum conveying speed		Profile series		Effective chain length - outside curve
	Maximum permissible line length				

Dimensions

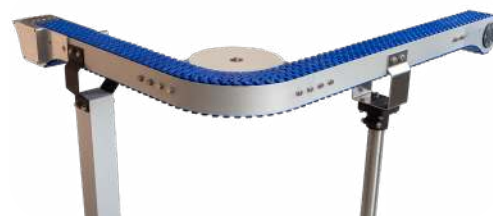
	Sizes, dimensions		Thread		Drive pitch diameter
	Width		Idler radius		
	Length		Idler angle		

FS CS090SL Closed system

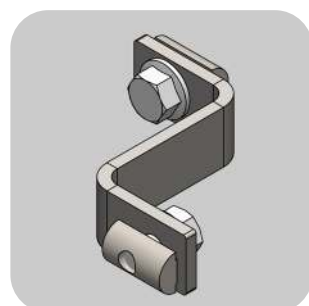
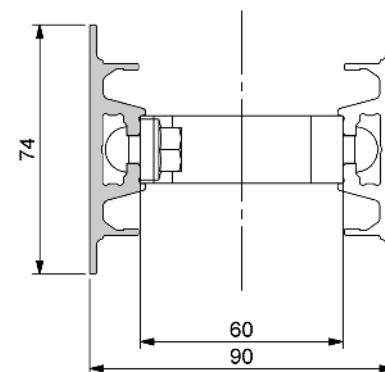


Guide profile closed

- Line lengths over 6000 mm can be produced by using joints

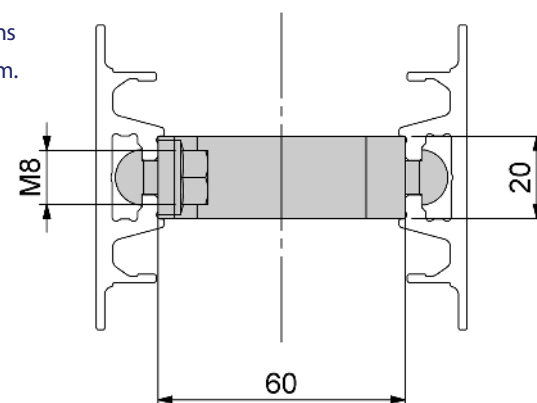


	PROD.NO.			
Guide profile closed	J924171	6,0 m	EN AW-6063 T66	E6/EV1 anodised finish
Cutting to length	J924969	1		



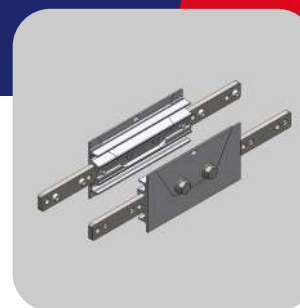
Distance joint

- For the assembly of straight line sections
- Installed in intervals of maximal 600 mm.
- Including fixing material



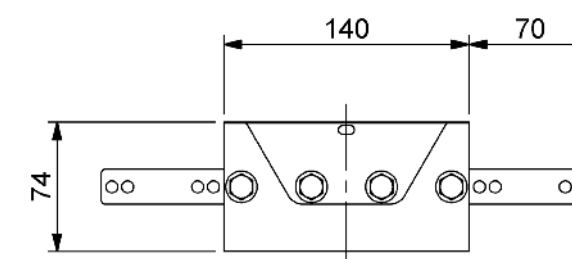
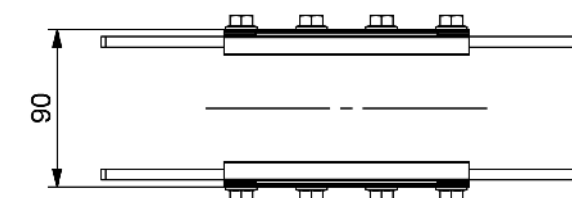
	PROD.NO.		
Spacer for CS090SL closed	J535934	1	stainless steel

FS CS090SL Closed line components



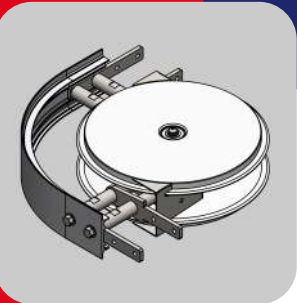
Chain assembly unit FS CS090SL-C

- The chain assembly unit allows you to feed the chain into the assembled line.
- Can be fitted at any point within the line.
- Line joints are included.
- The sub-frame must be removed for feeding the conveyor chain into the line.
- After fitting the chain pin, the opening in the sub-frame must be closed off with the cover plate.
- The optional chain assembly aid facilitates feeding the conveyor chain into the line. It is attached to the lower side of the assembly unit after removing cover plates and sub-frames.



	PROD.NO.	
Chain assembly unit, CS090SL-C	J927 968	1

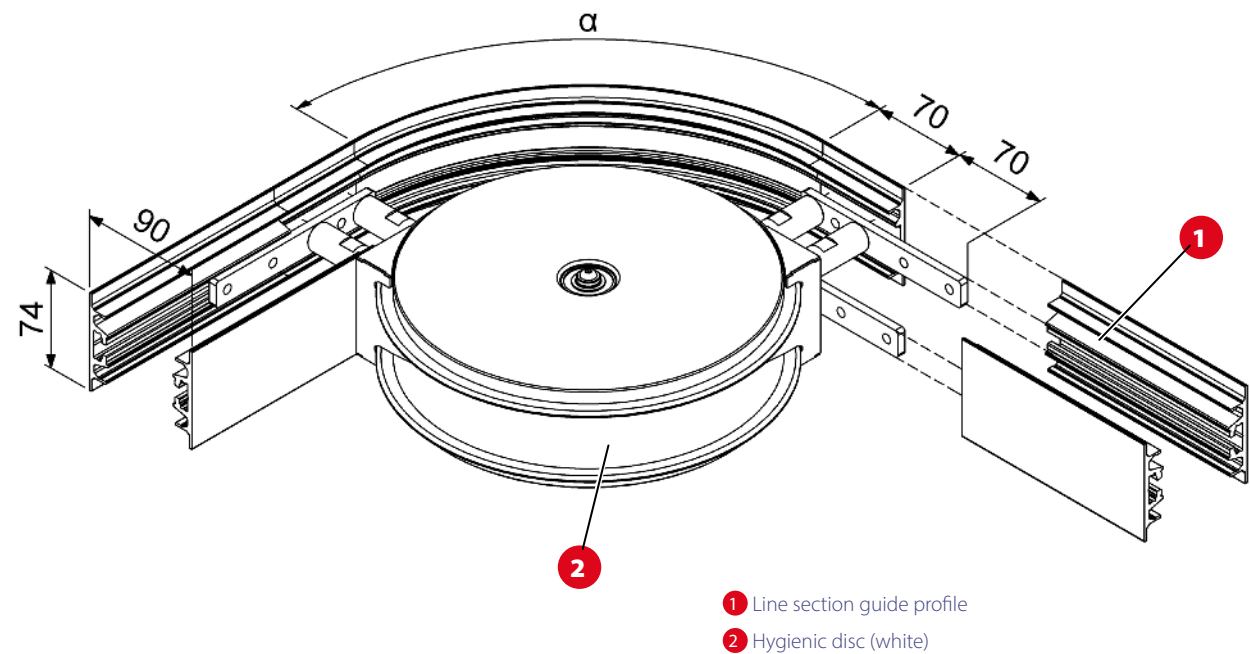
FS CS090SL
Closed line components



Horizontal sliding curves with disk FS CS090SL-c

- Small radius: 162.5 mm.
- The radius is based on the line centre.
- It is installed in the conveyor line without the need for any work to the joints.
- Completely assembled sliding curve with dirk.

Horizontal sliding curve with disk FS CS090SL-C, R162,5/90°



Note

When installing two horizontal curves with disk, they must be separated by a straight line section of at least 190 mm in length.

	PROD.NO.				
Horizontal sliding curve	J927951	162,5 mm	90°	1	2x 0,44 m
	J927952		180°	1	2x 0,74 m

other idler angles with multiple of 15° on request

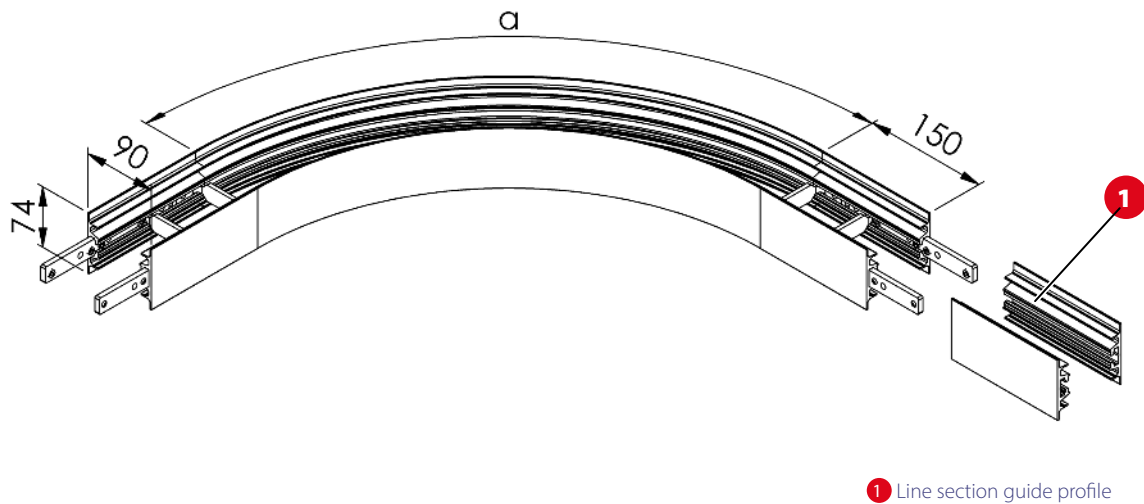
FS CS090SL
Closed line components



Horizontal sliding curves FS CS090SL-C

- Horizontal sliding curve.
- Various angles available. The radius specified is based on the line centre.
- Min. radius: 250 mm.

Horizontal sliding curve FS CS090SL-C, R700/90°



			PROD.NO.		
Horizontal sliding curve	400 mm	15°	J927 918	1	2x 0,41 m
		30°	J927 909		2x 0,52 m
		45°	J927 910		2x 0,64 m
		60°	J927 911		2x 0,75 m
		90°	J927 912		2x 0,97 m
	700 mm	30°	J927 953	1	2x 0,68 m
		45°	J927 954		2x 0,87 m
		60°	J927 955		2x 1,06 m
		90°	J927 956		2x 1,44 m

other idler angles on request

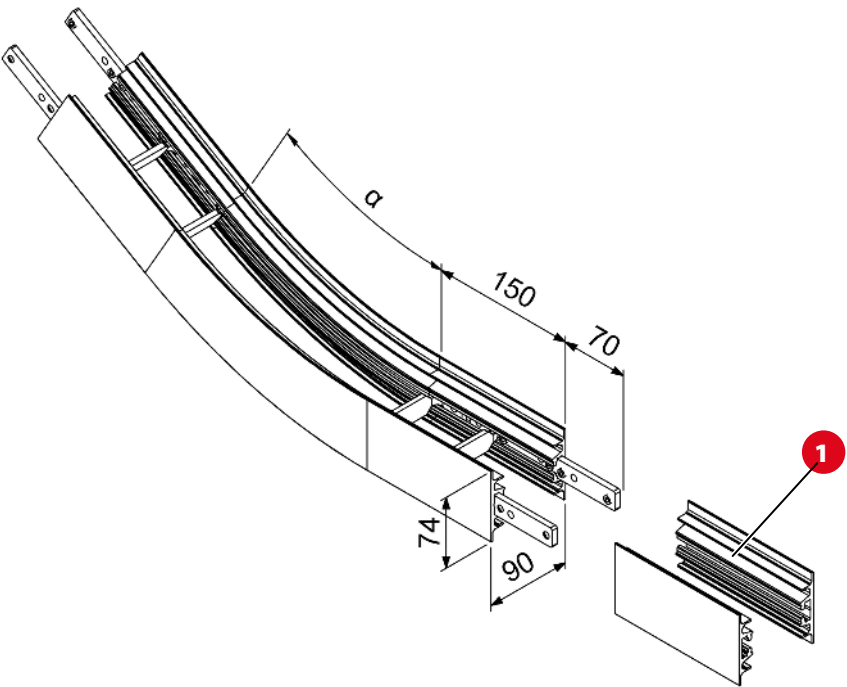
FS CS090SL
Closed line components



Vertical sliding curves FS CS090SL-C

- Vertical sliding curves for conveyor lines with inclines.
- Various angles available. The radius specified is based on the line centre.
- Min. radius: 500 mm.
- Can be used as outside and inside curve.

Vertical sliding curve FS CS090SL-C, R500/30°



1 Guide profile

			PROD.NO.				
Vertical sliding curve	500 mm	5°	J927 957	1	0,34 m	0,35 m	0,69 m
		7°	J927 958		0,36 m	0,37 m	0,73 m
		10°	J927 959		0,38 m	0,39 m	0,77 m
		15°	J927 960		0,42 m	0,44 m	0,86 m
		20°	J927 961		0,46 m	0,49 m	0,95 m
		30°	J927 962		0,54 m	0,58 m	1,12 m
		45°	J927 963		0,67 m	0,72 m	1,39 m
		60°	J927 965		0,79 m	0,86 m	1,65 m

other idler angles on request

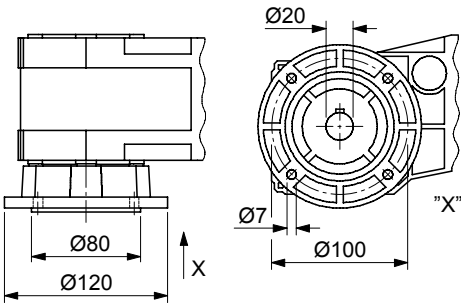
FS CS090SL CLOSED DRIVES
FS CS090SL closed direct drive



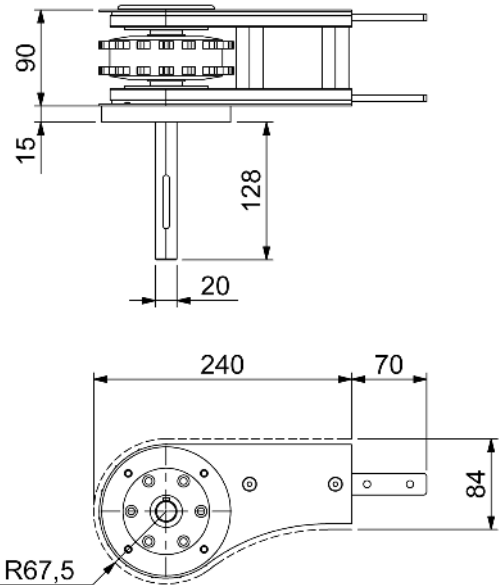
- Compact design
- The drive motor is positioned at the side of the guide profile - left or right.
- Either with or without motor
- Antistatic version on request.



Connecting dimensions for
motor



Direct drive FS CS090SL,
right-hand drive motor



Note

Observe rating and servicing details in "Basic technical information".

	RS LS		PROD.NO.						
Direct drive	LS	○	J927940	1	30	1250	80	118,5	0,55
		●	■ on request						
	RS	○	J927943						
		●	■ on request						

LS/RS left-hand/right-hand version ●/○ with/without motor ■ specify conveyor speed

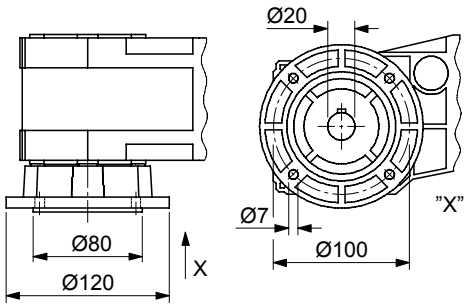
FS CS090SL CLOSED DRIVES
FS CS090SL closed centre drive



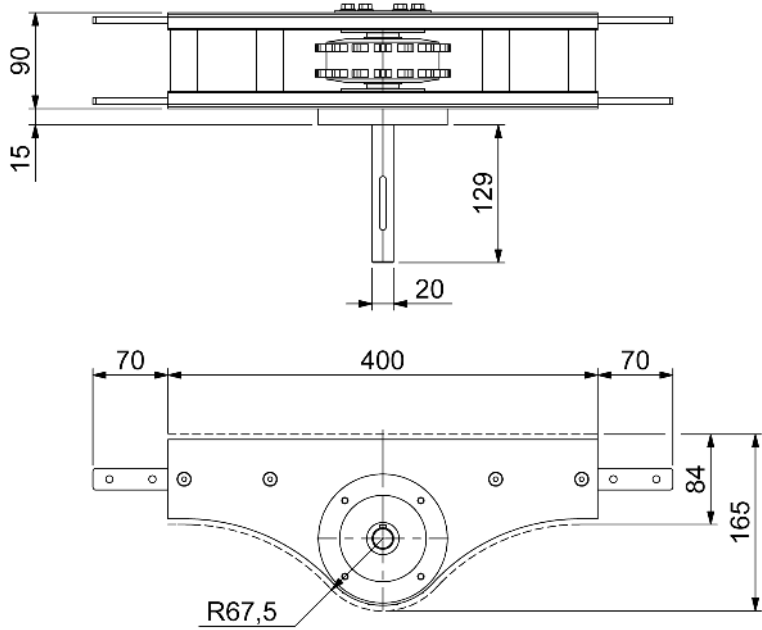
- The transmission gear assembly can be positioned on the left or right.
- Slip clutch is included
- Either with or without motor.
- Chain-gear transmission ratio $i=0.92$.
- For smooth chain circulation and minimum wear, the drive should be positioned as close as possible to the idler at the end of the line.
- Antistatic version on request.



Connecting dimensions for motor



Direct centre drive FS CS090SL, right-hand drive motor



Note

Observe rating and servicing details in "Basic technical information".
The unit can be used as a left-hand version by turning it in the line.

					PROD.NO.					
				m/min			m	N	mm	m
Direct centre drive	J534 068.101	LS/RS	○	40	J929 919	1	10	400	118,5	0,83
	others	LS/RS	●	40	J929 920	1	10	200	118,5	0,83

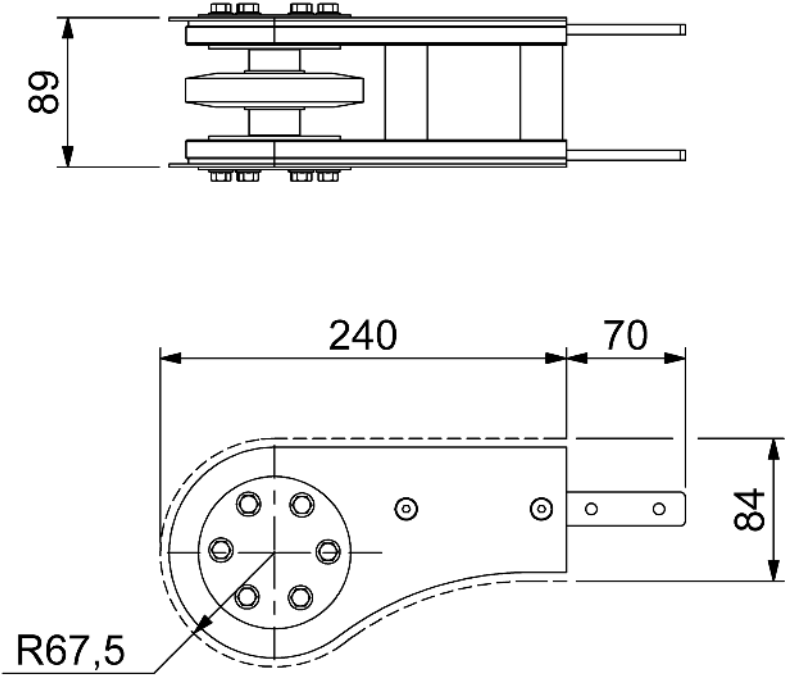
LS/RS left-hand/right-hand version ●/○ with/without motor ■ specify conveyor speed

FS CS090SL CLOSED DRIVES
Vertical idler FS CS090SL closed



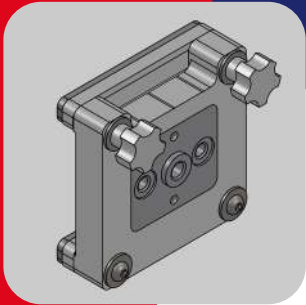
- 180° vertical idler is installed at the end of the conveyor for return chain travel underneath the line.

Vertical idler FS CS090SL closed, 180°

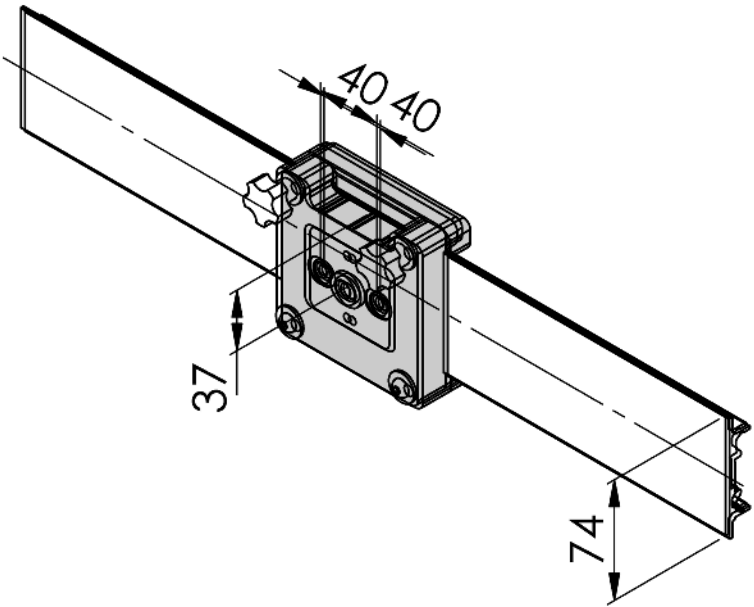


		PROD.NO.		
Vertical idler CS090SL closed, 180°	180°	J927 949	1	0,55m

Drilling jig



- The drilling jig serves as an aid for drilling the holes required for legs and side guides in the center of the profile
- 2x Ø7mm, drilling bush
- 1x Ø8,5mm, drilling bush



	PROD.NO.	
Drilling jig closed profile	J927 986	1

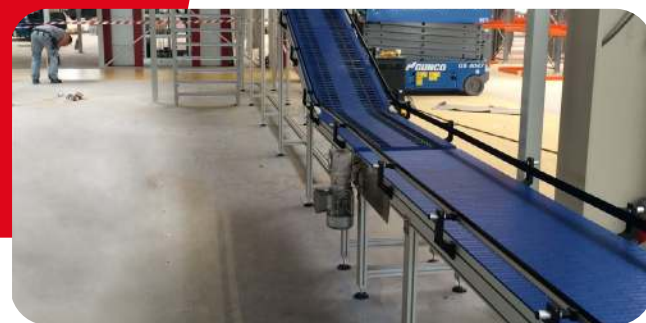


Note

Drive- and idler section,
chain and sliding strip are
the same as the default
CS090SL program



Other FS Solutions conveyor systems
Including standard components,
application solutions and
aluminium profile systems



Mat-Top Conveyor aluminium or INOX, straight transport

- Chain widths from 160 up to 1200 mm
- Different designs: horizontal-, incline and/or decline Z-shaped
- Small chain pitch



Mat-Top Conveyor aluminium or INOX, straight and curved transport

- Chain widths from 232 up to 631 mm
- 3-dimensional transport
- Low maintenance



STRETCH_LINE Conveyor

- Chain widths from 65 up to 200 mm
- 3-dimensional transport
- Low maintenance



Belt Conveyor aluminium or INOX, straight transport

- Belt widths from 80 up to 1200 mm
- Direct or center drive
- Drum- or drive motor



Chain Conveyor CS VC INOX

- Chain width 82 and 114 mm
- Direct- or center drive
- Suited for high hygiene requirements



Heavy XLBP Mat-Top conveyor aluminium

- Chain widths from 255 up to 765 mm
- Very low friction between chain and product (less damage to products)
- Low tension in the chain ensures a clear energy saving



Mat-Top conveyor aluminium, straight transport Nose bar

- Chain widths from 152 up to 1066 mm
- Small nose transition
- Transition band: easy to deploy between 2 systems
- Chain pitch 8 mm



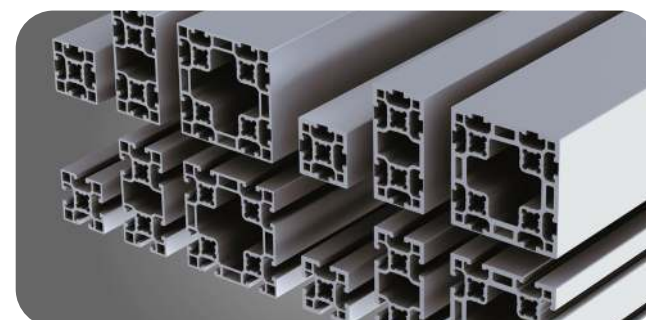
Standard components

- Pusher, cross-over, divider
- Transitions between conveyors
- Puck handling, shielding etc.



Application solutions

- Buffer tables
- Vertical transport systems, gripper systems
- Sorter systems, flow splitters etc.



Aluminium profile system

- Wide assortment
- Robust and corrosion resistant
- Simple and flexible assembly

The innovative solutions provided by CS Conveyor systems guarantee a rational flow of materials in production – also where high demands are placed on speed, noise emissions, servicing and maintenance.

Take advantage of our expertise that has grown over many years. We are your innovative developer and reliable supplier of standardised and customised applications.

Automotive industry, FS CS065SL



Food industry, FS CS090SL



Cosmetics industry, FS CS090SL



Automotive industry, FS CS200SL

Pharma industry, FS CS065SL



Food industry: Filling, FS CS065SL



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