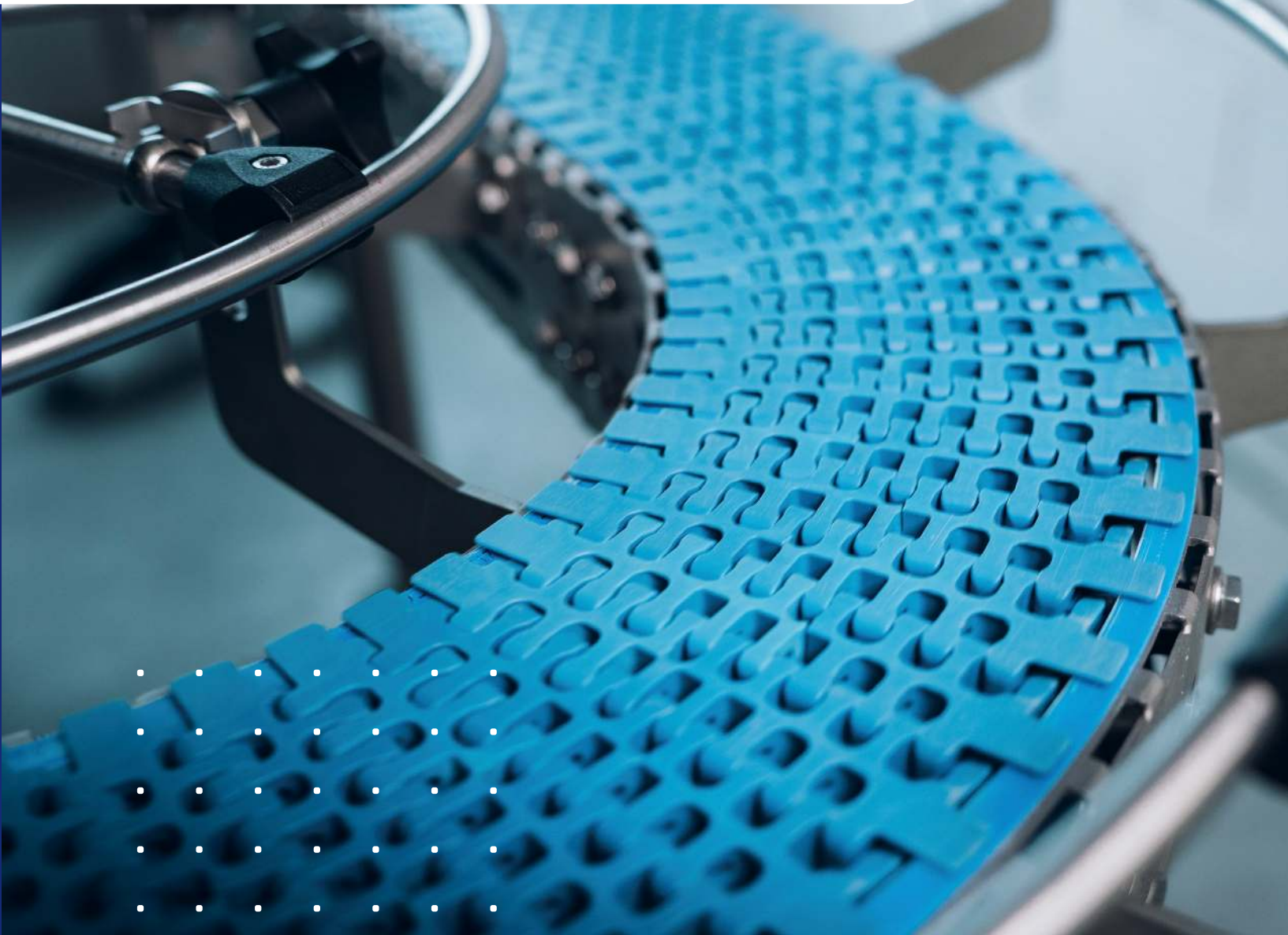


The innovative solution for conveying unit loads



STRETCH MOVE SYSTEM

Version 1. january 2025



fs solutions

by hellomoov

Modular systems from FS Solutions

All our conveyor systems have their modular design in common. This ensures flexibility, fast delivery times, and cost savings, proven by thousands of assembled conveyors.



Flexibility/scalability:

flexible to reconfigure or expand the system easily to accommodate changes in production requirements or layout. Easy to scale up or down production capacity by adding or removing conveyor modules as needed.



Maintenance simplicity:

designed for easy maintenance with readily accessible components, reducing downtime for repairs or upkeep.



Interchangeability:

components are often interchangeable, allowing for quick replacement of damaged or worn-out parts without extensive customization.



Standardization:

adhere to industry standards, ensuring compatibility with various equipment and reducing integration issues.
















Reliable proven system:

built with proven designs and components, leading to reliable operation and fewer unexpected breakdowns.











icon overview








General

	Caution note		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		Transmission		Effective chain length
	Maximum permissible chain pulling force		Conveyor chain material		Maximum conveying speed
	Profile series		Maximum permissible conveyor length		

dimensions

	Sizes, dimensions		Thread size		Sprocket pitch diameter
	Width		Radius		
	Length		Angle		

introduction

STRETCH MOVE SYSTEM

FS Solutions introduces the STRETCH MOVE SYSTEM

Innovative and reliable

The latest member of the FS Stainless Steel conveyor family is the FS-CS150SMS.INOX conveyor system. This new system has been designed for greater cleanability, combined with all the advantages of our original SL conveyor systems, providing higher plant availability with minimal down-times.

Renewed technology

FS Solutions introduces the STRETCH_MOVE SYSTEM, an extension of our proven STRETCH_LINE system with a new 150mm chain width between the existing 65, 90 and 200mm. This new system has been developed in response to growing market demand for production solutions that seamlessly meet specific requirements, such as those in the food sector. With unmatched flexibility and hygiene, the STRETCH_MOVE system offers even more reliable and future-oriented solutions for production lines.

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Features of the STRETCH_MOVE System

- ▶ Open stainless steel design ensuring easy cleanability
- ▶ Low downtime
- ▶ Can be combined with our well-known STRETCH_LINE system
- ▶ Proven reliability

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

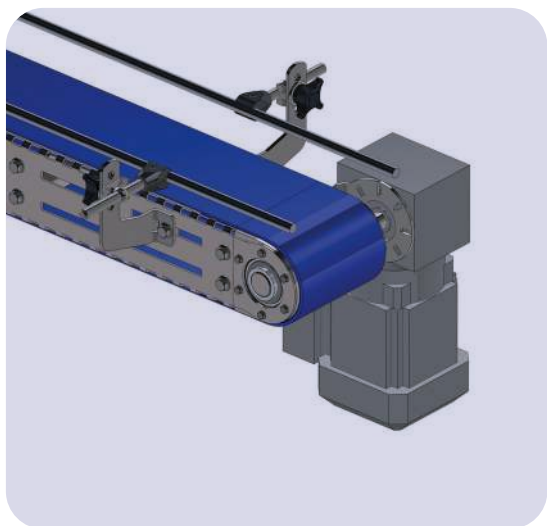
Patents

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

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Customer benefits:

- New chain design, featuring greatly increased cleanability while maintaining the advantages from the original SL modular chain design, compensating for operation related elongation, reducing the need to shorten the chain over time and thus reducing downtime. Providing a consistent and reliable process of product transport over long periods, without the need of maintenance.
- Supplementing the open-chain design, the frame's open stainless-steel design aims to increase cleanability and overall hygiene by reducing horizontal surfaces.
- Maintenance work and repair costs are kept to a minimum by strict use of proven high-end components, easily replaced wear parts and a smart chain stretch design. Using our decades long experience to meet and exceed the ever changing market demands and wishes, making sure your company will have the edge on competitors.
- Greater working safety from reduced chain gaps in curves and idler sections, exceeding the safety requirements of DIN619 and competitor chain designs. Minimalizing the chance of accidents and removing the need of shielding at working places.
- Extremely compact design of modular components, tight radius curves, short drive and idler sections result in greater flexibility of design in tight spaces and reducing the required floor space.
- Low noise emissions from quiet chain rotation and a chain-sag less chain design.
- High energy efficiency due to use of innovative wear strip and chain materials featuring low-friction and use of energy efficient A-brand motors.

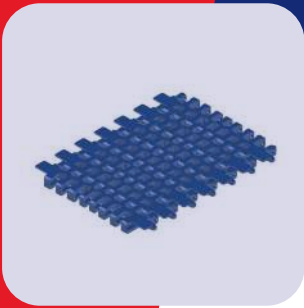


System information:

Stainless steel conveyor system for conveying products in cardboard boxes, bottles, plastic crates, etc.

- Maximum load: 120 kg
- Max. conveyor length: 25 m
- Max. conveying speed: 60 m/min
- Modular chain width: 142mm
- Inox frame width: 156mm
- System height: 110mm

Conveyor chain



Strong, easy to clean, multi-purpose curved going 1" plastic conveyor chain with proven performance in various industries

- Easy to clean due to the hygienic design of the hinges
- Less support strips due to increased width stability of chain links
- Excellent surface finish to prevent damage to products
- 1" (25,4mm) pitch links
- High wear-resistance
- C-tap design, minimizing frame width
- Suitable for product accumulation
- Exceptional durability and hardness
- Small polygon-effect due to exceptional small pitch for a curve going belt, ensuring smooth transitions and stable transport of products

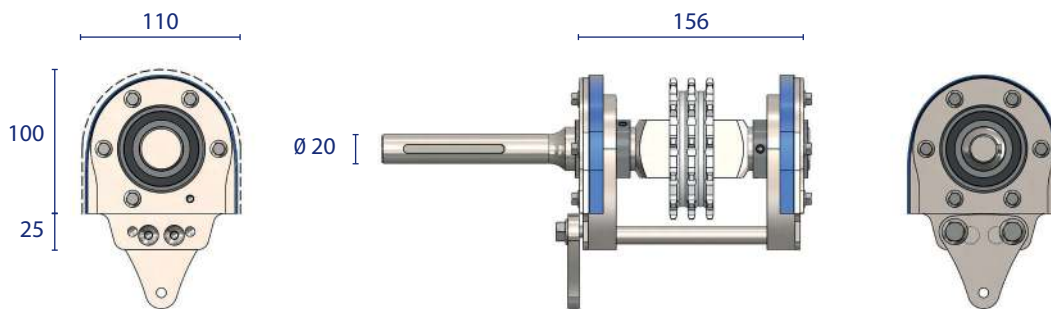


DESCRIPTION	PROD.NO.					
FS-CS150SMS.INOX Standard chain	770701-001	POM	Blue	3,05 meter	1,1 kg/m	1200 N
FS=CS150SMS.INOX Rubber top chain	770701-103	PP	Blue	3,05 meter		

FS-CS150SMS.INOX Drive section



- Compact design
- Including universal torque arm with damper and fixing material
- Available as left or right hand version
- Available with or without motor
- Sprocket teeth Z=12
- Output shaft $\varnothing 20H7$

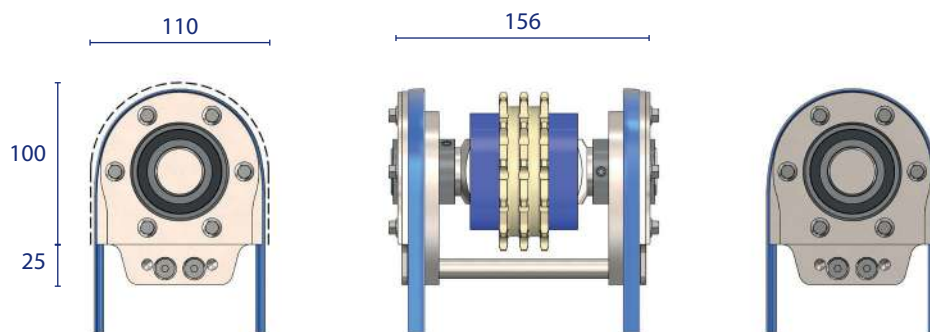


DESCRIPTION	PROD.NO.					
FS-CS150SMS.INOX Direct drive left	SMS.150D12L20.N.INOX	INOX 304, pearl blasted finish	60 m/min	98,1 mm	280 mm	1
FS-CS150SMS.INOX Direct drive right	SMS.150D12R20.N.INOX	INOX 304, pearl blasted finish	60 m/min	98,1 mm	280 mm	1

FS-CS150SMS.INOX Idler section



- Compact design
- The idler section is installed at the end of a conveyor for return chain travel in the bottom part of the conveyor
- Sprocket teeth Z=12



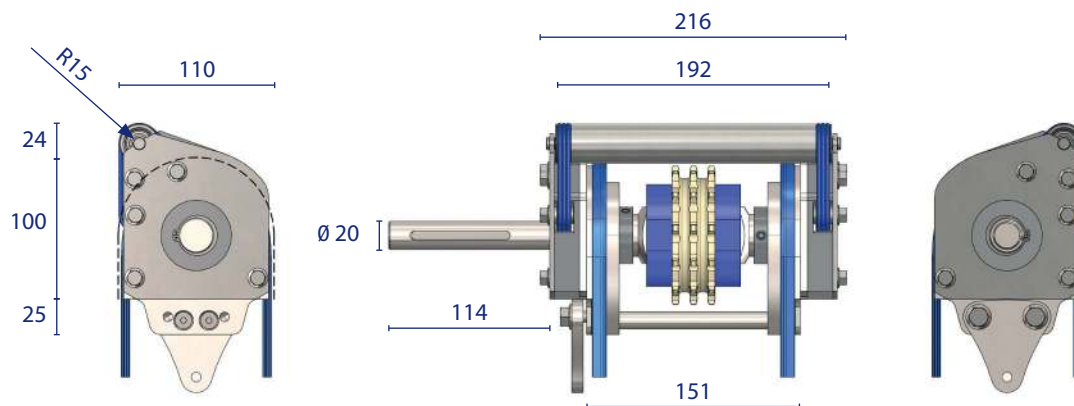
DESCRIPTION	PROD.NO.					
FS-CS150SMS.INOX idler section	SMS.150I12.N.INOX	INOX 304, pearl blasted finish	60 m/min	98,1 mm	280 mm	1

* Custom idler sections, e.g. nosebars, on request

Drive section with driven roller



- Compact design
- Including universal torque arm with damper and fixing material
- Available as left or right hand version
- Available with or without motor
- Sprocket teeth Z=12
- Output shaft $\varnothing 20H7$
- roller diameter $\varnothing 30$
- Finger safe design conform DIN619

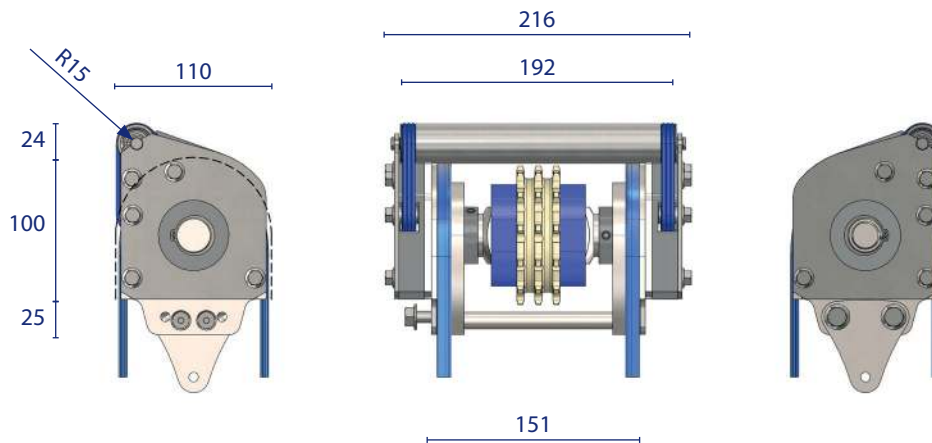


DESCRIPTION	PROD.NO.					
Driven roller transfer FS-CS150SMS.INOX type B $\varnothing 30$ shaft $\varnothing 20$ mm left	880147-001	INOX 304, pearl blasted finish	60 m/min	98,1 mm	280 mm	1
Driven roller transfer FS-CS150SMS.INOX type B $\varnothing 30$ shaft $\varnothing 20$ mm right	880147-002	INOX 304, pearl blasted finish	60 m/min	98,1 mm	280 mm	1

Idler section with driven roller



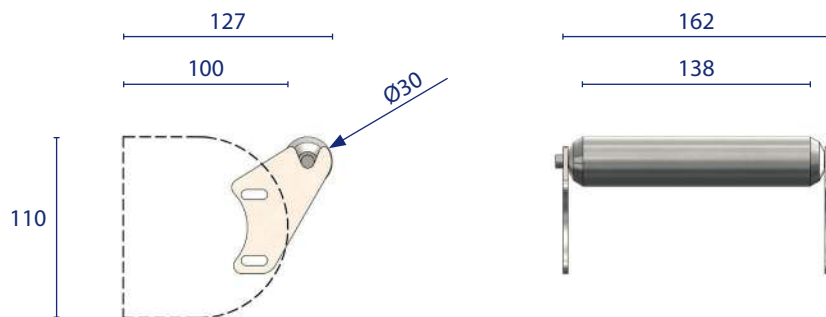
- Compact design
- Including universal torque arm with damper and fixing material
- Available as left or right hand version
- Available with or without motor
- roller diameter Ø30
- Finger safe design conform DIN619





DESCRIPTION	PROD.NO.					
Driven roller transfer FS-CS150SMS.INOX type B Ø30 idler	880147-003	INOX 304, pearl blasted finish	60 m/min	98,1 mm	280 mm	1

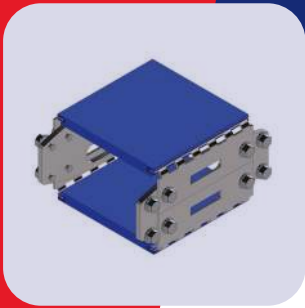
Non-driven transfer roller

- Used to reduce the gap between conveyors
- Universal design to be mounted on standard drive or idler sections
- Incl. fixing material
- Finger safe design

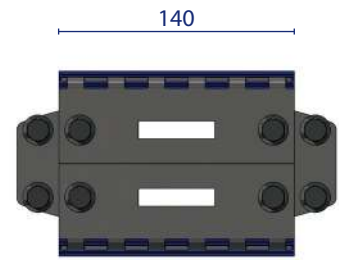
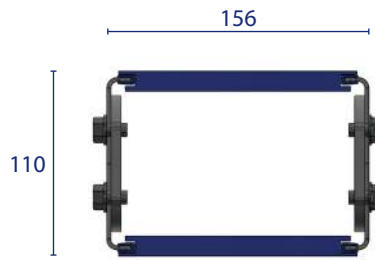


DESCRIPTION	PROD.NO.		
FS-CSSMS.INOX Non-driven transfer roller idler and drive section	SMS.R01&R02.N.INOX	Inox	1

Chain assembly unit



- 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

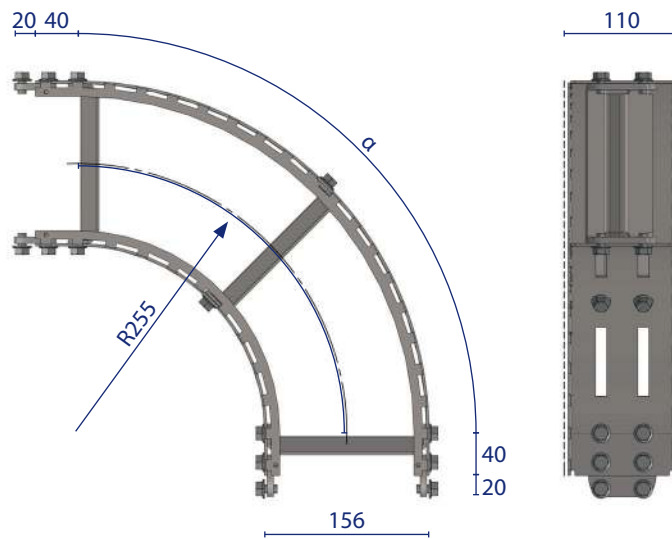


DESCRIPTION	PROD.NO.			
FS-CS150SMS.INOX Belt assembly section L=140	SMS.150M02.N.INOX	INOX 304, pearl blasted finish	280mm	1

FS-CS150SMS.INOX Horizontal curves



- Horizontal curves with 255 mm centre radius
- Incl. fixing material



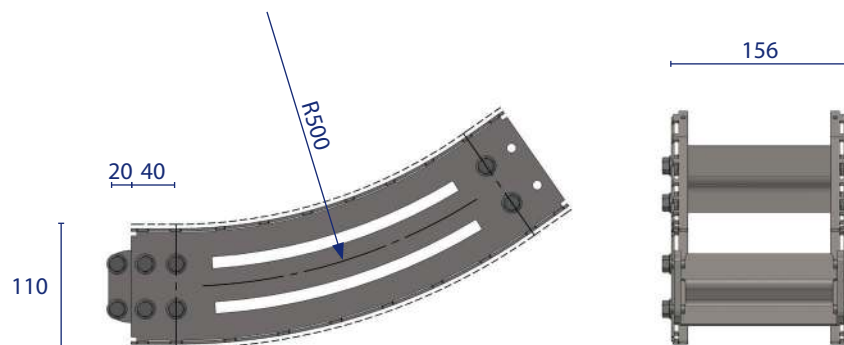
DESCRIPTION	PROD.NO.				
FS-CS150SMS.INOX Horizontal curve 15° R255	SMS.150H015.255.N.INOX	255 mm	15°	330 mm	1
FS-CS150SMS.INOX Horizontal curve 30° R255	SMS.150H030.255.N.INOX	255 mm	30°	460 mm	1
FS-CS150SMS.INOX Horizontal curve 45° R255	SMS.150H045.255.N.INOX	255 mm	45°	610 mm	1
FS-CS150SMS.INOX Horizontal curve 60° R255	SMS.150H060.255.N.INOX	255 mm	60°	762 mm	1
FS-CS150SMS.INOX Horizontal curve 90° R255	SMS.150H090.255.N.INOX	255 mm	90°	1060 mm	1

* Other radii or angles on request

FS-CS150SMS.INOX Vertical curves



- Vertical curves for conveyors with incline or decline
- The idler radius specified is based on the centre line
- Incl. fixing material



DESCRIPTION	PROD.NO.				
FS-CS150SMS.INOX Vertical curve 2,5° R500	SMS.150V025.500.N.INOX	500 mm	2,5°	200 mm	1
FS-CS150SMS.INOX Vertical curve 5° R500	SMS.150V050.500.N.INOX	500 mm	5°	240 mm	1
FS-CS150SMS.INOX Vertical curve 7,5° R500	SMS.150V075.500.N.INOX	500 mm	7,5°	280 mm	1
FS-CS150SMS.INOX Vertical curve 10° R500	SMS.150V100.500.N.INOX	500 mm	10°	320 mm	1
FS-CS150SMS.INOX Vertical curve 12,5° R500	SMS.150V125.500.N.INOX	500 mm	12,5°	360 mm	1
FS-CS150SMS.INOX Vertical curve 15° R500	SMS.150V150.500.N.INOX	500 mm	15°	400 mm	1
FS-CS150SMS.INOX Vertical curve 17,5° R500	SMS.150V175.500.N.INOX	500 mm	17,5°	440 mm	1
FS-CS150SMS.INOX Vertical curve 20° R500	SMS.150V200.500.N.INOX	500 mm	20°	470 mm	1
FS-CS150SMS.INOX Vertical curve 25° R500	SMS.150V250.500.N.INOX	500 mm	25°	550 mm	1
FS-CS150SMS.INOX Vertical curve 30° R500	SMS.150V300.500.N.INOX	500 mm	30°	630 mm	1
FS-CS150SMS.INOX Vertical curve 35° R500	SMS.150V350.500.N.INOX	500 mm	35°	705 mm	1
FS-CS150SMS.INOX Vertical curve 45° R500	SMS.150V450.500.N.INOX	500 mm	45°	860 mm	1
FS-CS150SMS.INOX Vertical curve 60° R500	SMS.150V600.500.N.INOX	500 mm	60°	1100 mm	1

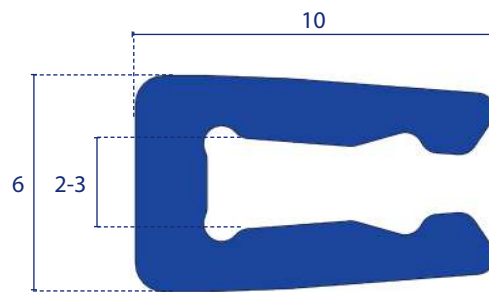
* Other radii or angles on request


FS-CS150SMS.INOX

Sliding strip



- Sliding strip for minimising friction between chain and profile.
- Properties:
 - Outstanding sliding behaviour
 - Extremely hard surface for minimum wear
 - Suitable for high conveyor speeds.
- The sliding strip is clipped on and fixed in place after assembling the line. The Grub screws keep the sliding strip in place.

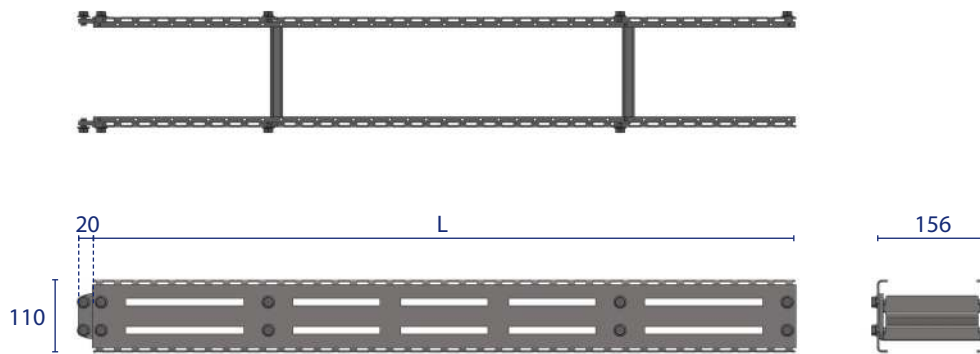


DESCRIPTION	PROD.NO.			
Sliding strip FS type 7	790014	TCP	Blue	50 meter
Grub screw M5x5	780002 Q25	POM	White	25

Straight conveyor section



- Maximum single length 2950mm
- Completely mounted sections, including: spacer profiles, connecting plates, sections and appropriate fixing materials
- Slide strip and chain to be ordered separately



DESCRIPTION	PROD.NO.			
FS-CS150SMS.INOX Straight section L= 'length'	SMS.P01.N.'length'.INOX	INOX 304	Pearl blasted finish	1

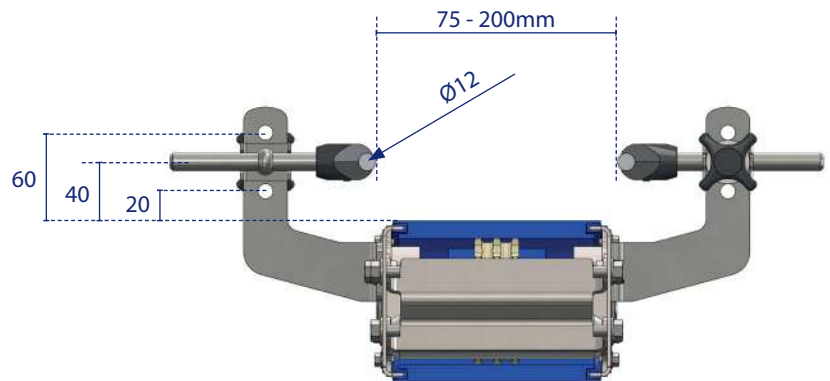
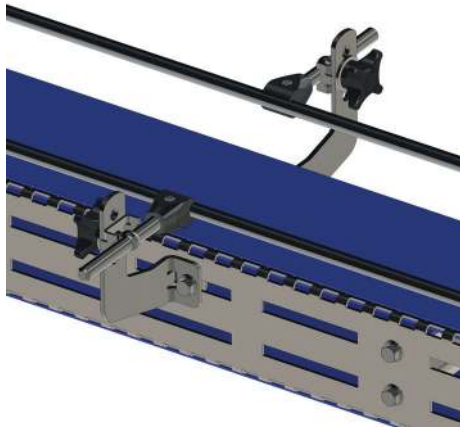
Example for a 1000 mm long section:



- art nr.: SMS.P01.N.1000.INOX
- description: FS-CSSMS.INOX Straight section L= 1000

FS-CS150SMS.INOX
Side guides



- Lateral holder with 3 variable guide height
- Including fixing material
- Railing profile clamp is adjustable



DESCRIPTION	PROD.NO.		
Side guide bracket + railing clamp set	791203	INOX 304	1
Stainless steel railing profile Ø12	482400-120	INOX 304	3m

* Other holders or railing clamps on request

FS-CS150SMS.INOX
Supports



- Stable stainless steel tube support +/-50 mm adjustable
- Different designs / versions (e.a. 40x40 welded legs, wheels) on request.
- Including mounting material
- Round tube 48,3 mm dia. x 1.6 mm

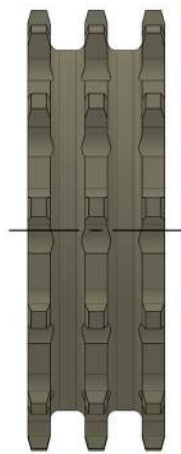


DESCRIPTION	PROD.NO.		
FS-CS150SMS.INOX Tripod Leg L=800mm	883101-015	INOX 304	1

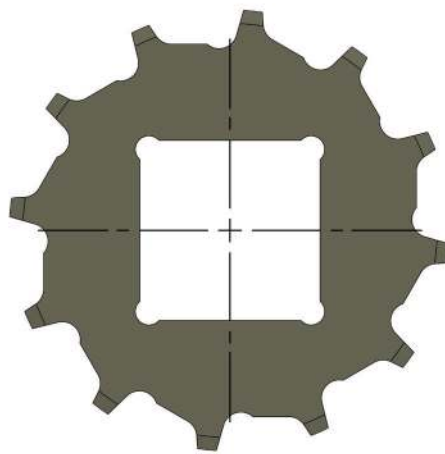
FS-CS150SMS.INOX
SMS Sprocket



▶ Triplex Sprocket Z=12



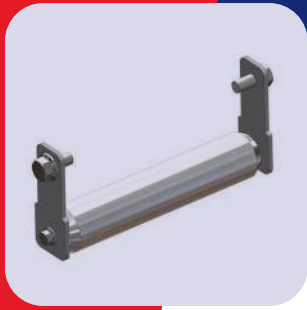
30,4



□ 40

DESCRIPTION	PROD.NO.		
Sprocket FS-CSSMS.INOX	771244	PA6	1

Chain assembly aid

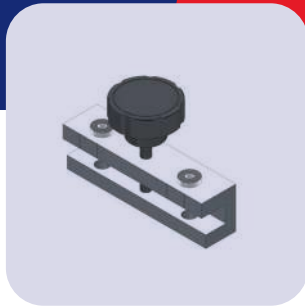


- Tool to simplify feeding in the chain into the conveyor
- It is attached to the lower side of the chain assembly unit after removing the cover plate
- Not suitable for custom chains with attachments
- Incl. fixing material

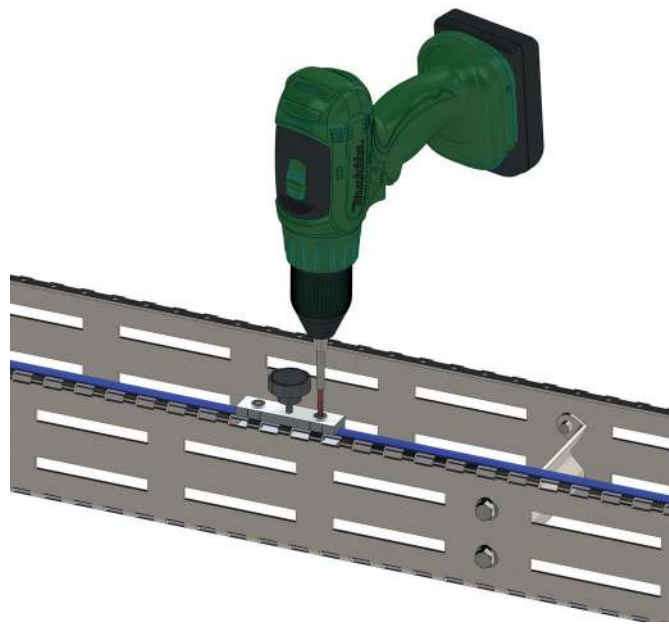




DESCRIPTION	PROD.NO.		
Chain assembly aid B=150	SMS.T02.N	INOX	1

Sliding strip drilling jig



- The sliding strips are fixed to the guide profile with plastic grub screws to absorb axial displacement forces.
- The drilling jig serves as an aid for drilling the holes required

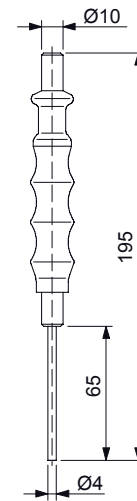



DESCRIPTION	PROD.NO.		
Sliding strip drilling jig FS-SMS.INOX assembly	SMS.T01.N	Alu 4.5 mm drilling bush	1

FS-CS150SMS.INOX

Split-pin driver, 4 mm dia


- Tool for driving out the chain pin
- Compatible with the following FS conveyor systems:
 - FS-CS065SL.ALU
 - FS-CS090SL.ALU
 - FS-CS150SMS.INOX
- Cushioned safety grip
- Material: hardened steel



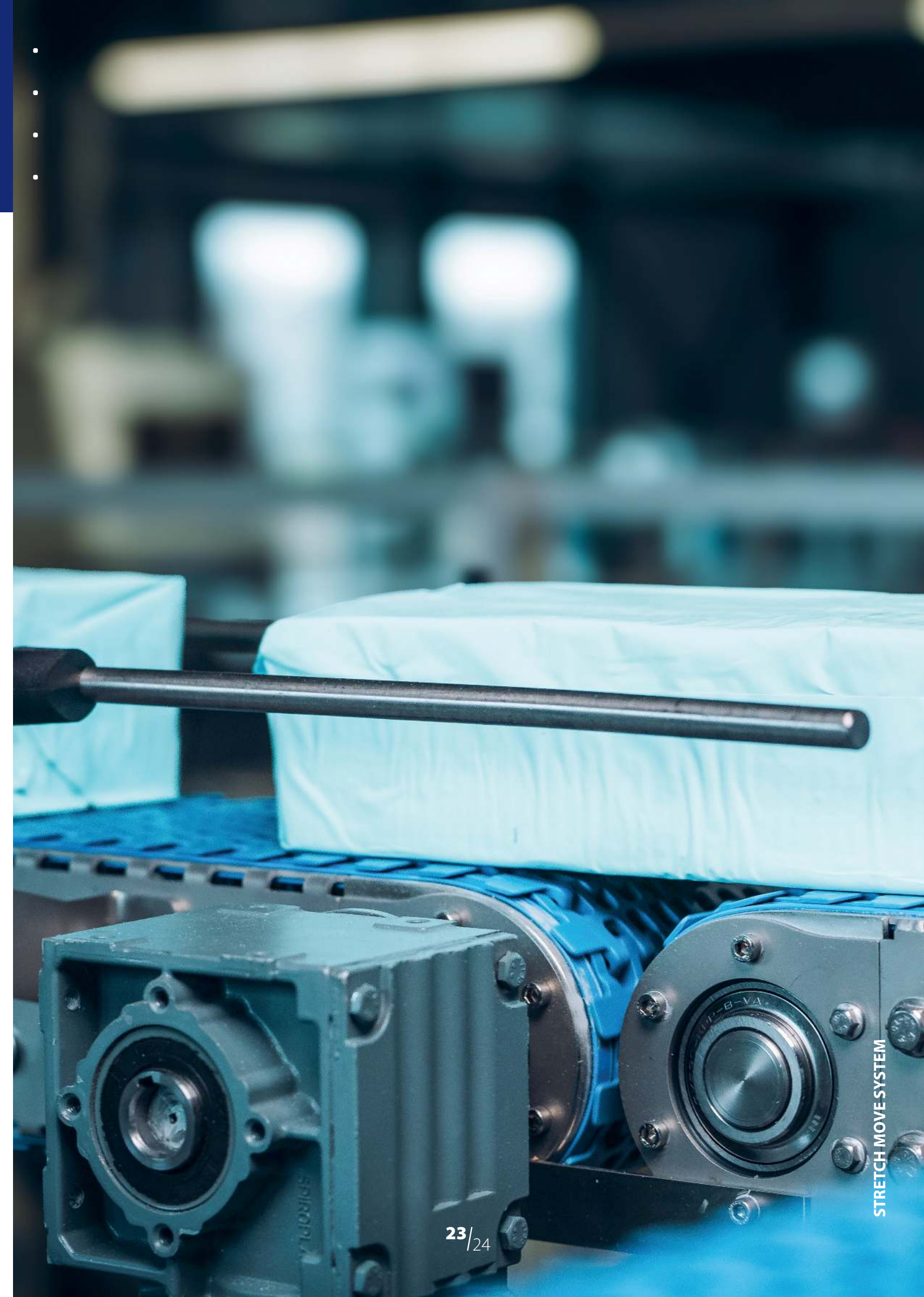
DESCRIPTION	PROD.NO.	
Split-pin driver	J537 131	1

**Cutting pliers**

- For precise cutting of the sliding strips

DESCRIPTION	PROD.NO.	
Cutting pliers	J537 130	1





STRETCH MOVE SYSTEM



Are you ready to make your automation a success?

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version 01/2025

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fs solutions
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