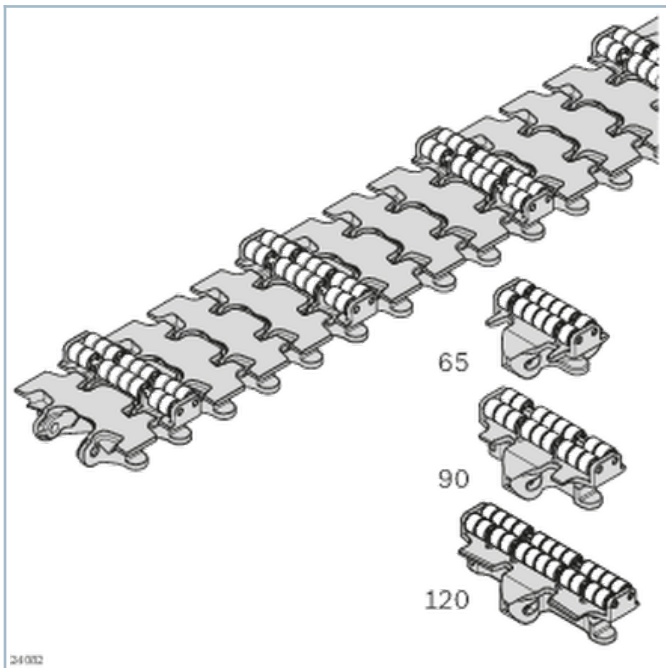


Accumulation roller chain D11, Roller cleated chain D11



- The accumulation roller chain D11 ($AZ = 1$) enables the surface-protecting and exclusively horizontal transport of sensitive products, even in accumulation operation. Its use as a roller cleat chain ($AZ \geq 2$) enables the vertical transport of small products.

24/032

Product description

- The maximum gradient when using cleats depends on the product geometry (test required)
- Accumulation operation permitted when used as an accumulation roller chain (AZ = 1), accumulation operation not permitted when used as a roller cleat chain (AZ ≥ 2)
- Maximum chain tensile force: 1250 N
- Size: 65, 90, 120
- Product length for use with the accumulation roller chain: ≥ 70 mm
- AZ ≥ 2: Roller cleated chain supplemented with flat conveyor chain links (AZ = spacing distance) AZ = 1: continuous accumulation roller chain
- Materials meet the requirements of EU 10/2011 and FDA CFR 21 (not for gray conveyor chain)

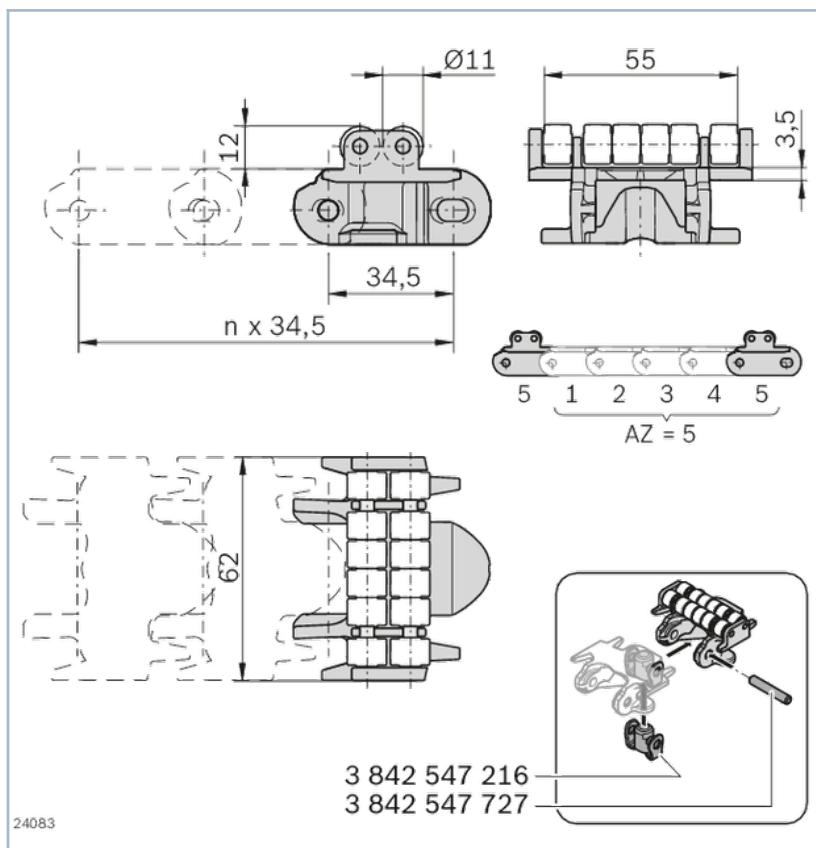
Technical data

No.	Material
3842546083	Chain link: POM Chain pin: Non-rusting steel 1.4301 Pivot pin: PA 66 Roller: POM
3842998717	
3842546017	POM
3842546084	Chain link: POM Chain pin: Non-rusting steel 1.4301 Pivot pin: PA 66 Roller: POM
3842998718	
3842546018	POM
3842546085	Chain link: POM Chain pin: Non-rusting steel 1.4301 Pivot pin: PA 66 Roller: POM
3842998719	
3842546019	POM
3842547727	Non-rusting steel 1.4301 ¹⁾
3842547216	PA 66 ¹⁾

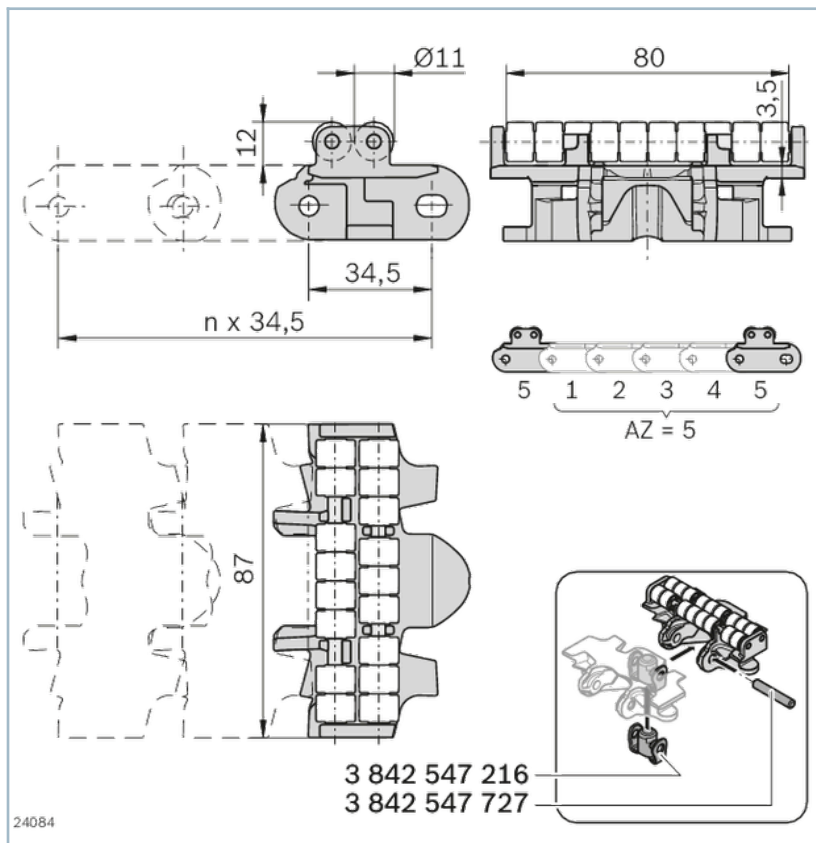
1) Materials meet the requirements of EU 10/2011 and FDA CFR 21

Dimensions

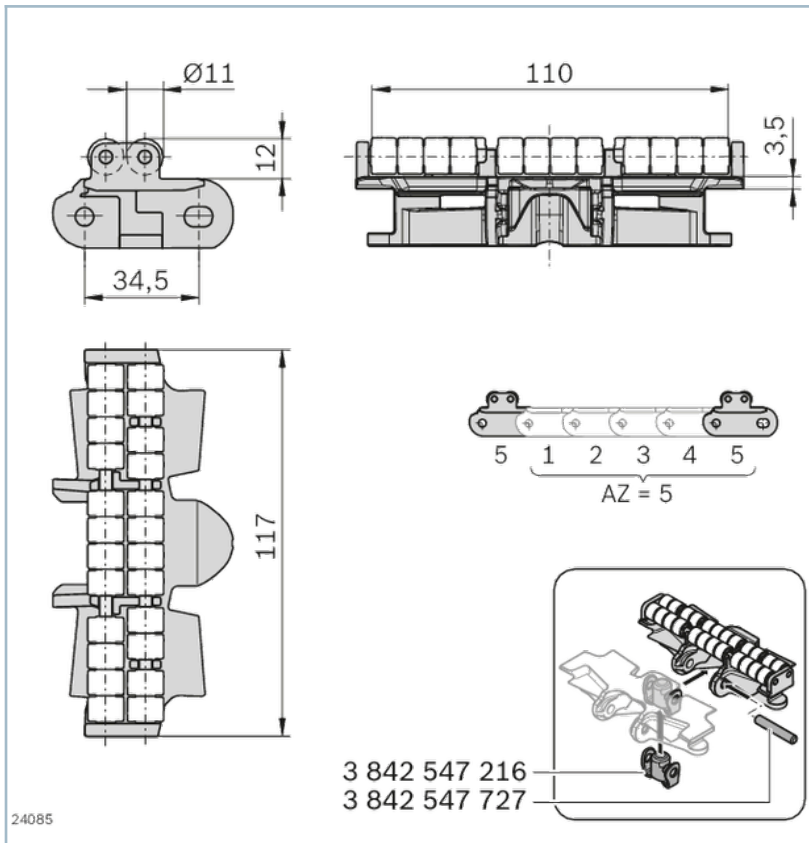
Accumulation roller chain D11 VFplus 65



Accumulation roller chain D11 VFplus 90



Accumulation roller chain D11 VFplus 120



Information

Roller cleated chain

During uphill transport of packaged, bulky products (e. g. boxes), the products can slide between the roller cleats via a chute to be diagonally 'inserted' into the conveying direction from above.

The product rolls into the next free pocket, which ensures continuous material flow without any expensive cycle time adjustment. The roller diameter is dependent on the size of the transported goods.

When planning, observe the following (see fig. **A**):

- Keep height of fall 'h' and angle 'α' as small as possible.
- The speed of the inserted product should be about the same as that of the conveyor system. Reduce higher speeds by braking (e. g. brushes) before inserting into the roller cleated chain.

→ Always prevent the product from transmitting its kinetic energy to the roller cleats

- Feeding in the conveying direction of the roller cleated chain
- Distance between roller cleats approx. 1.5x product length (ensures smooth movement through vertical curves)
- Removal speed:

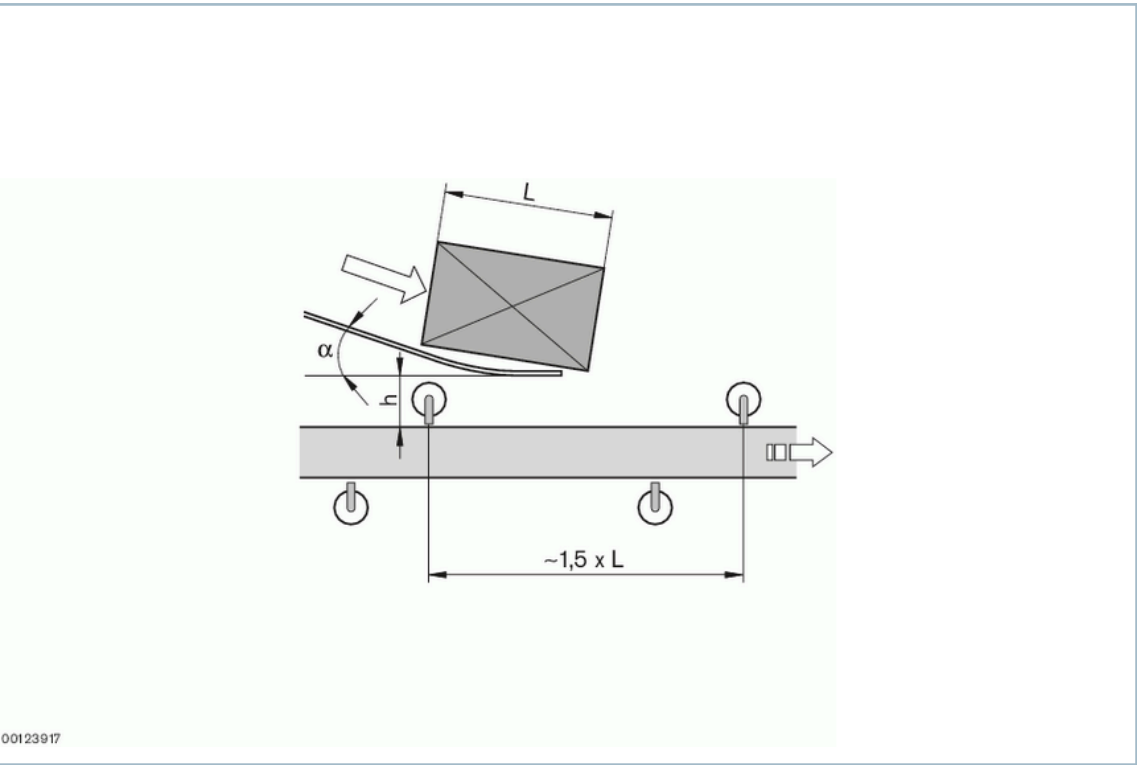
→ 2x product length x 1.5x product quantity/min

This ensures that each product has two pockets available to slide into, either forwards or backwards (see fig. **B**, **C**).

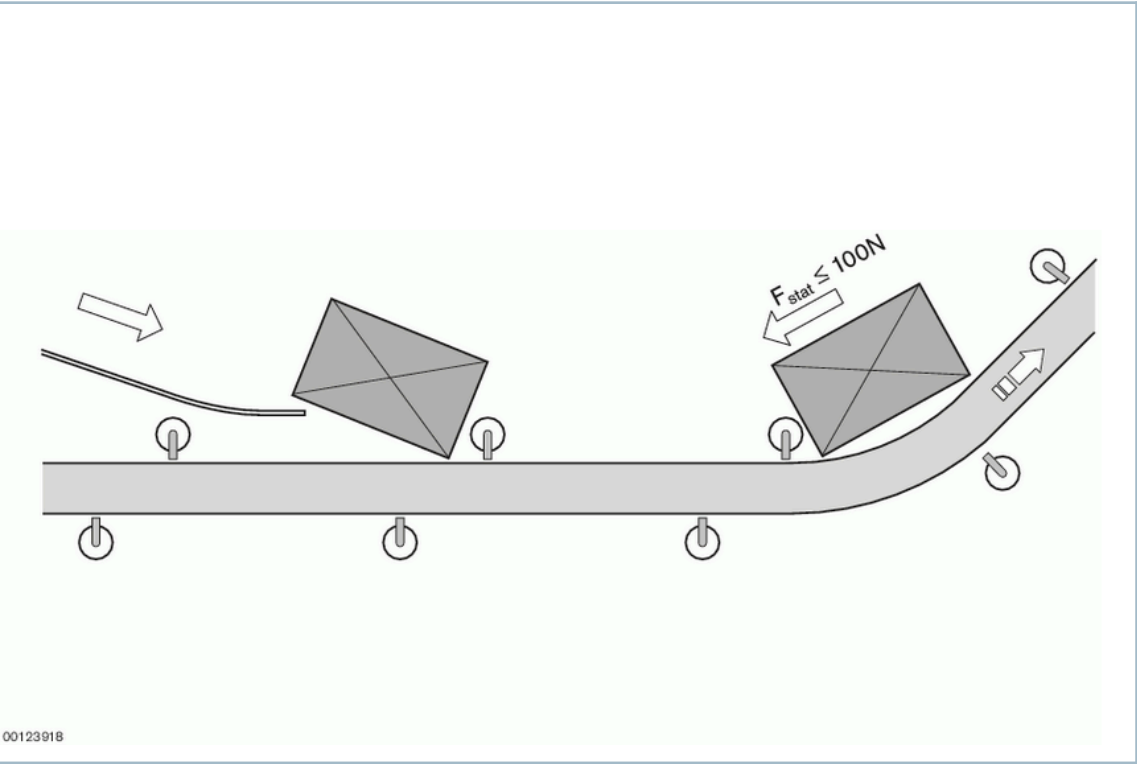
- Max. dynamic force of product when sliding backwards against the roller cleat: 10 N
- Max. static force due to adjacent product: 100 N

At higher forces, decrease the angle of inclination or reduce the speed of impact by installing individual static friction chain links between the roller cleats.

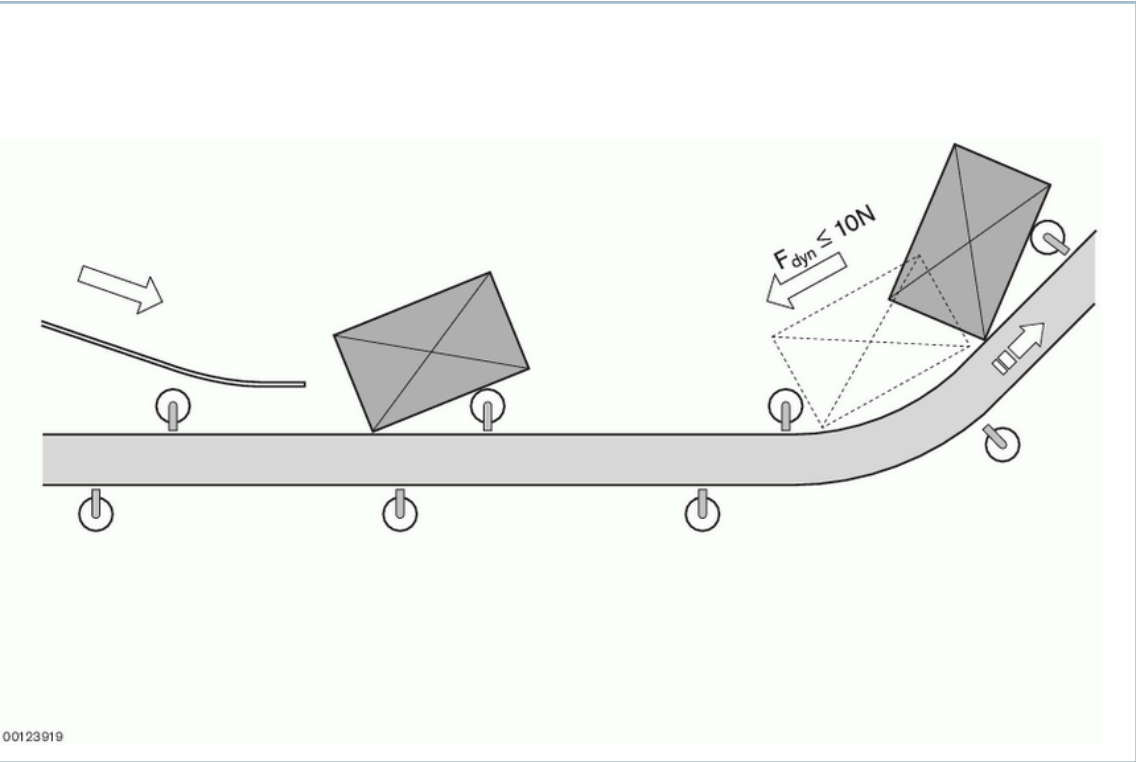
Layout instructions for roller cleated chains, fig. A



Layout instructions for roller cleated chains, fig. B



Layout instructions for roller cleated chains, fig. C



Accessories

Required accessories

For single chain links: chain pin and jointed bolt

Delivery notes

Condition on delivery

Chain: fully assembled

Scope of delivery

Chain: complete, incl. chain pin and jointed bolts

Ordering codes

	L		No.
	mm		
Accumulation roller chain D11 VFplus 65, AZ=1	2898	1	3842546083
Accumulation roller chain D11 VFplus 65, AZ=2-84	2898	1	3842998717
Chain link for accumulation roller chain VFplus 65		10	3842546017
Accumulation roller chain D11 VFplus 90, AZ=1	2898	1	3842546084
Accumulation roller chain D11 VFplus 90, AZ=2-84	2898	1	3842998718
Chain link for accumulation roller chain VFplus 90		10	3842546018
Accumulation roller chain D11 VFplus 120, AZ=1	2898	1	3842546085
Accumulation roller chain D11 VFplus 120, AZ=2-84	2898	1	3842998719

	L		No.
	mm		
Chain link for accumulation roller chain VFplus 120		10	3842546019
Chain pin		100	3842547727
Swivel pin		100	3842547216