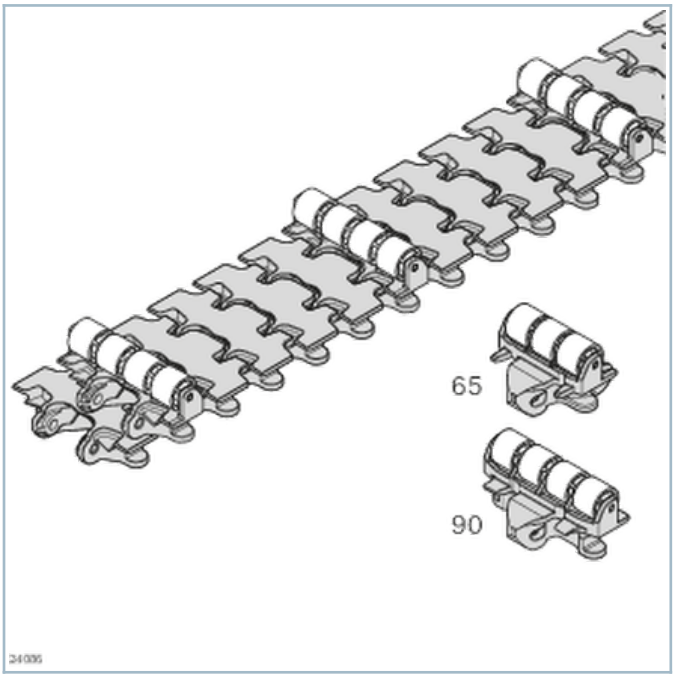
Roller cleated chain D20



- Enables the transport of products on ascending or descending sections

Product description

- The maximum gradient depends on the product geometry (test required)
- Accumulation operation not permitted
- Maximum chain tensile force: 1250 N
- Size: 65, 90
- AZ ≥ 2: Roller cleated chain supplemented with flat conveyor chain links (AZ = spacing distance)
- For infeeding without any effort for cycle time adjustment
- Materials meet the requirements of EU 10/2011 and FDA CFR 21 (not for gray conveyor chain)

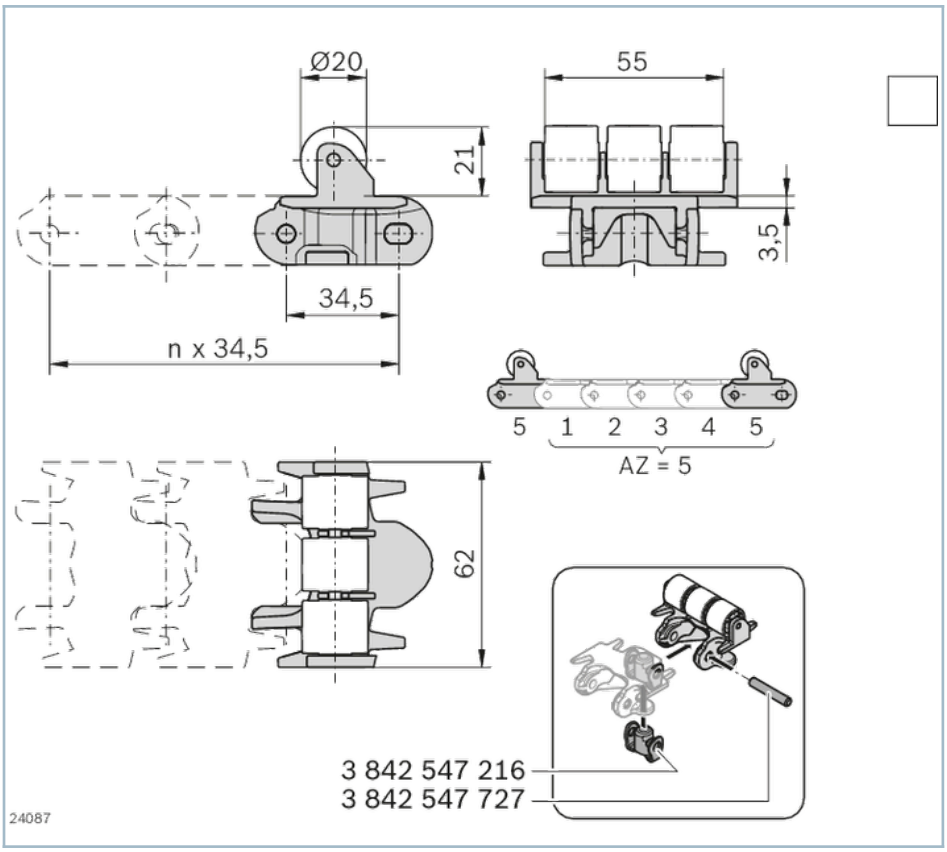
Technical data

No.	Material
3842998720	Chain link: POM Chain pin: Non-rusting steel 1.4301 Pivot pin: PA 66 Roller: POM
3842546020	POM
3842998721	Chain link: POM Chain pin: Non-rusting steel 1.4301 Pivot pin: PA 66 Roller: POM
3842546021	POM
3842547727	Non-rusting steel 1.4301 [1)]
3842547216	PA 66 [1)]

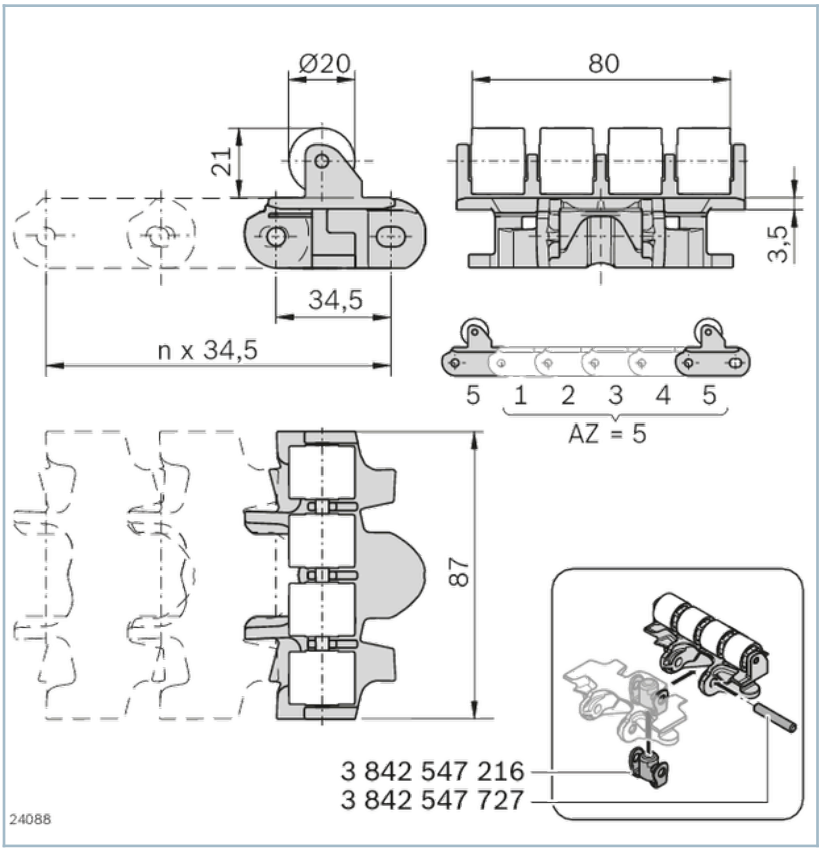
1) Materials meet the requirements of EU 10/2011 and FDA CFR 21

Dimensions

Roller cleated chain D20 VF*plus* 65



Roller cleated chain D20 VF*plus* 90



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:

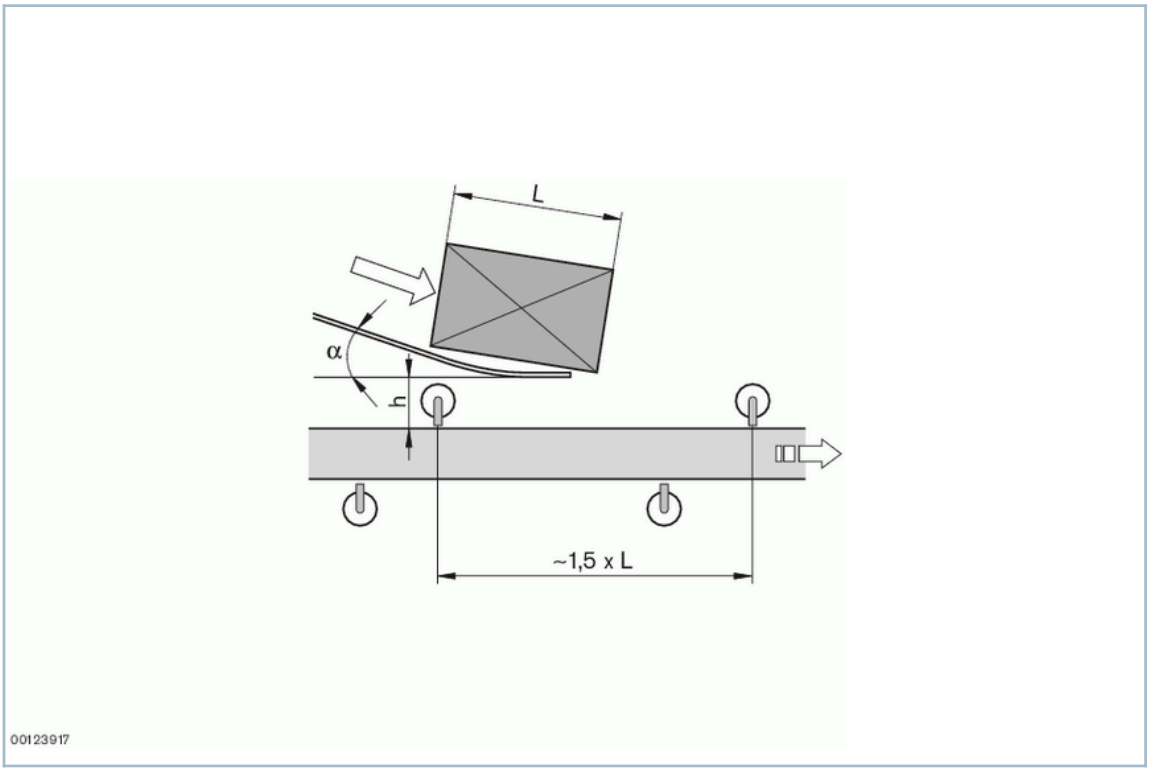
↦2x product length x 1.5x product quantity/min

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

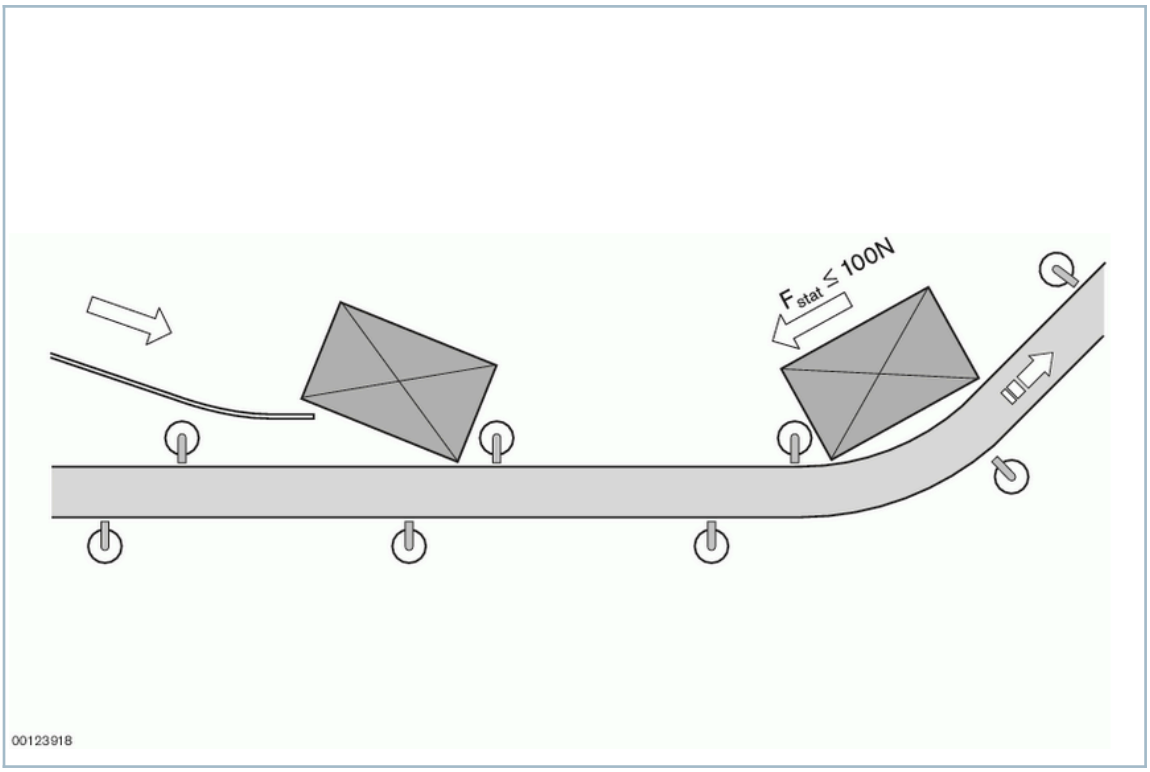
- Max. dynamic force of product when sliding backwards against the roller cleat: 10 N
- Max. static force due to adjacent product: 100 N

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.

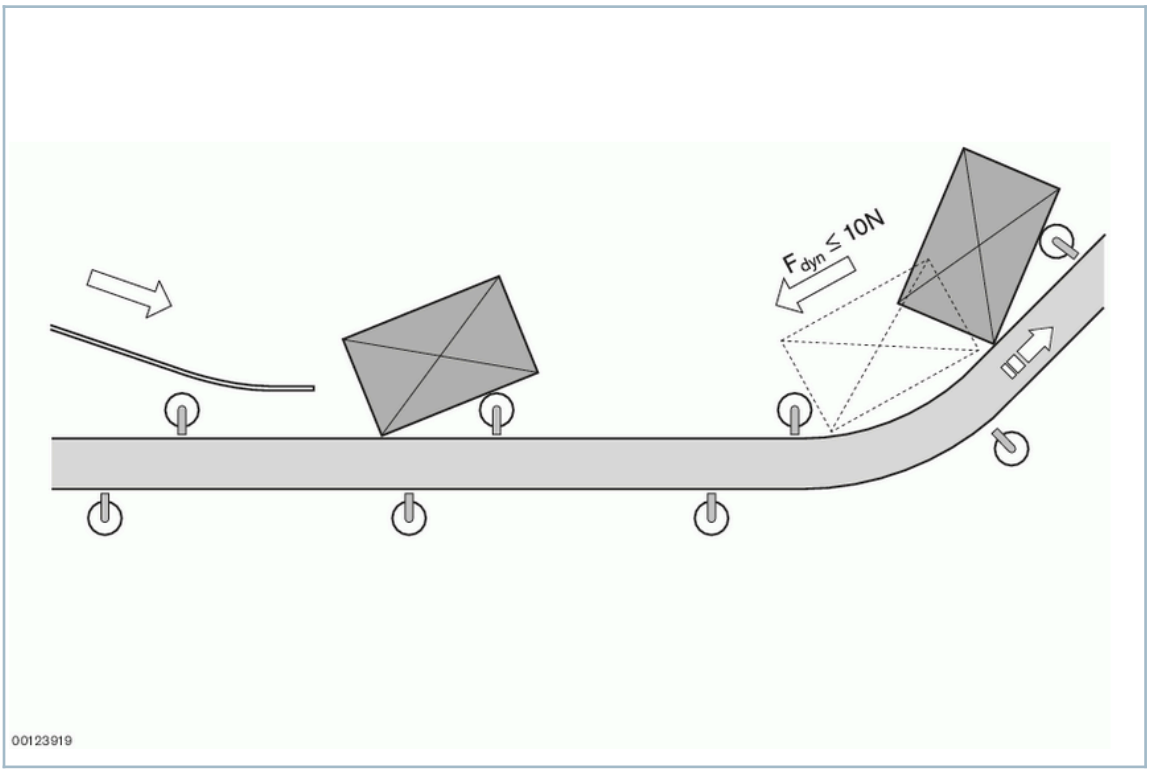
Layout instructions for roller cleated chains, fig. A



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		
Roller cleated chain D20 VFplus 65, AZ=2-84	2898	1	3842998720
Chain link for roller cleated chain D20 VFplus 65		10	3842546020
Roller cleated chain D20 VFplus 90, AZ=2-84	2898	1	3842998721
Chain link for roller cleated chain D20 VFplus 90		10	3842546021
Chain pin		100	3842547727
Swivel pin		100	3842547216