

iwis
antriebssysteme
wir bewegen die welt

Accumulation chains from iwis
for more efficient conveyor systems



30%
MORE EFFICIENT

Accumulation chains from iwis

iwis accumulation chains have idler rollers on both sides that serve two purposes: firstly, they engage with the sprocket teeth to transmit power, and secondly, they support the chain in the profile.

One special feature are the **slightly protruding bushes** in the inner link **1** which prevent contact corrosion between inner link and outer plate.

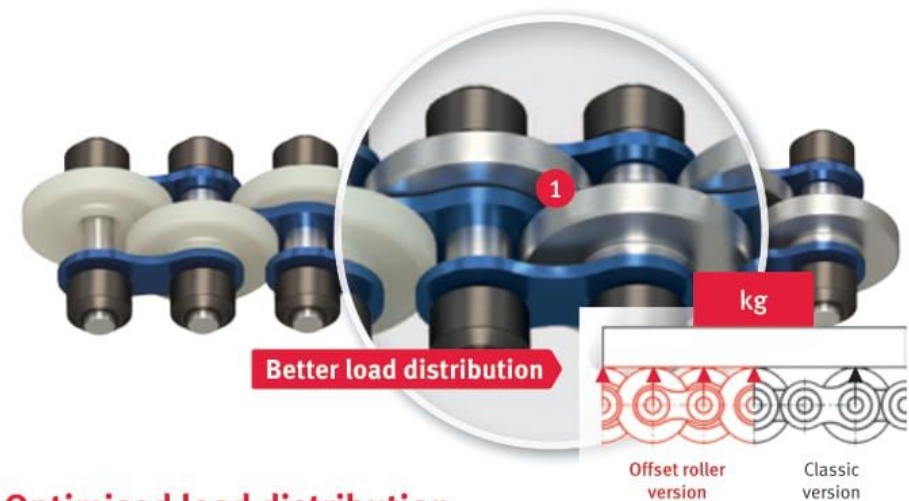


Low-friction rollers

All 1/2" and 3/4" iwis accumulation chains are fitted with low-friction sintered metal rollers **2** that provide **consistent and extreme light running** and are not slowed down by lubricant. The length of our application conveyor can therefore be built about **30% longer** without any need for modification of the drive motors; alternatively, if the system length remains unchanged, smaller drive units may be fitted. Less strain on the chain and drive means **a longer service life for the entire conveyor system**.

Version with offset accumulation rollers

This exclusive iwis accumulation chain generation has offset transport rollers on each pin, rather than a single wide roller on every second pin. As a result, each pin has a load-bearing function and transfers this load to twice as many rollers. This, has an extremely positive effect on chain guides.



Optimised load distribution

- 1** Offset arrangement of the accumulation rollers ensures optimised load distribution, better support and smoother running of the conveyed material.
- 2** Offset arrangement of the accumulation rollers reduces local load on the chain guide by **50%**, for example, plastic guides can be used for up to double the load.

PREMIUM
quality

MEGAlife accumulation chains

Maintenance-free iwis accumulation chains with nickel-plated plates and pins, low-friction sintered metal rollers and special bearing design are used mainly in the electronics industry, food industry, timber, glass and ceramics processing, medical technology and any applications where relubrication is problematic or impossible.



MEGAlife highlights

- 1 Special bearing design with sintered metal bushes
- 2 Nickel-plated plates and pins, with eco-friendly, **lubricant-free surfaces** ensure reduced maintenance costs and less downtime for your application.

Outstanding wear resistance –
even under extreme conditions!

NEW
from iwis

b.smart accumulation chain

Know-how meets efficiency – the new iwis **b.smart** accumulation chain. Configured for most conveyor applications – designed for optimum transportation of conveyed material.

Put robust, durable **b.smart** accumulation chains to work for you – proven **DWTS** quality at an attractive price!



i Optimum relubrication

The service life of a chain depends on correct and adequate relubrication. After a certain time, which may vary according to operating conditions, the lubricant applied originally is eventually used up due to the oscillating motion of the chain bearing. Inadequate lubrication causes boundary friction, which in turn leads to fretting corrosion and increased chain wear. Selection of the correct lubricant and lubrication method are therefore a decisive factor in assuring that the relubrication process is effective.

ABSOLUTELY
safe

Protection for fingers + parts

Accumulation chains with finger and small parts protection feature optimum cover of the space between one transport roller and the next, preventing the ingress of small parts that could jam the rollers and/or chain link. In addition, the cover prevents the deliberate or accidental insertion of fingers while the conveyor is operating – an active contribution to accident prevention in line with increasingly strict industrial safety requirements.



Safety for operators and machines

- 1 100% cover of the space between transport rollers in accordance with required bend radii of the selected chain type
- 2 Firm mounting of plastic clip on inner link
- 3 No abrasive strain on conveyed goods, workpiece carriers or transport rollers
- 4 Two different finger protection versions – with and without joint



EXTREMELY
flexible

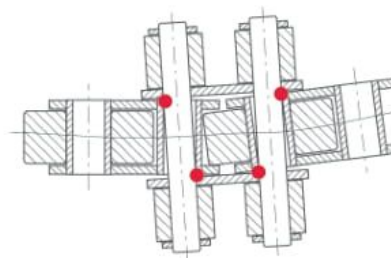
Side bow accumulation chains

iwis Side bow accumulation chain with offset rollers 1: The modular solution for direction changes in conveyor systems with extremely tight bend radii (> 350 mm).

Optimum load distribution as transported material lies flat on links 2 even in bends, thus reducing chain wear.

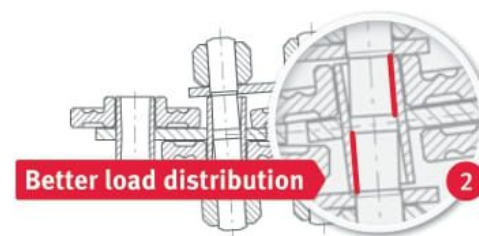


Standard solution



• Points of contact

Our solution



— Lines of contact

Accumulation chains from **iwis** for more efficient conveyor systems

iwis accumulation chains ensure not only easy positioning of the conveyed material with simple mounting points, but also prevent jerky chain stops and starts.

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EFFICIENT

Comparison of frictional force

Chain with **iwis low-friction rollers**

Chain with classic idler rollers



LONG SERVICE LIFE

Service life comparison (accumulation chains without relubrication)

iwis MEGAlife maintenance-free accumulation chains

Std. competitor chains



ECONOMICAL

Comparison of friction coefficient

iwis MEGAlife chains

Standard competitor chains



30%

more efficient with
iwis low-friction rollers

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