



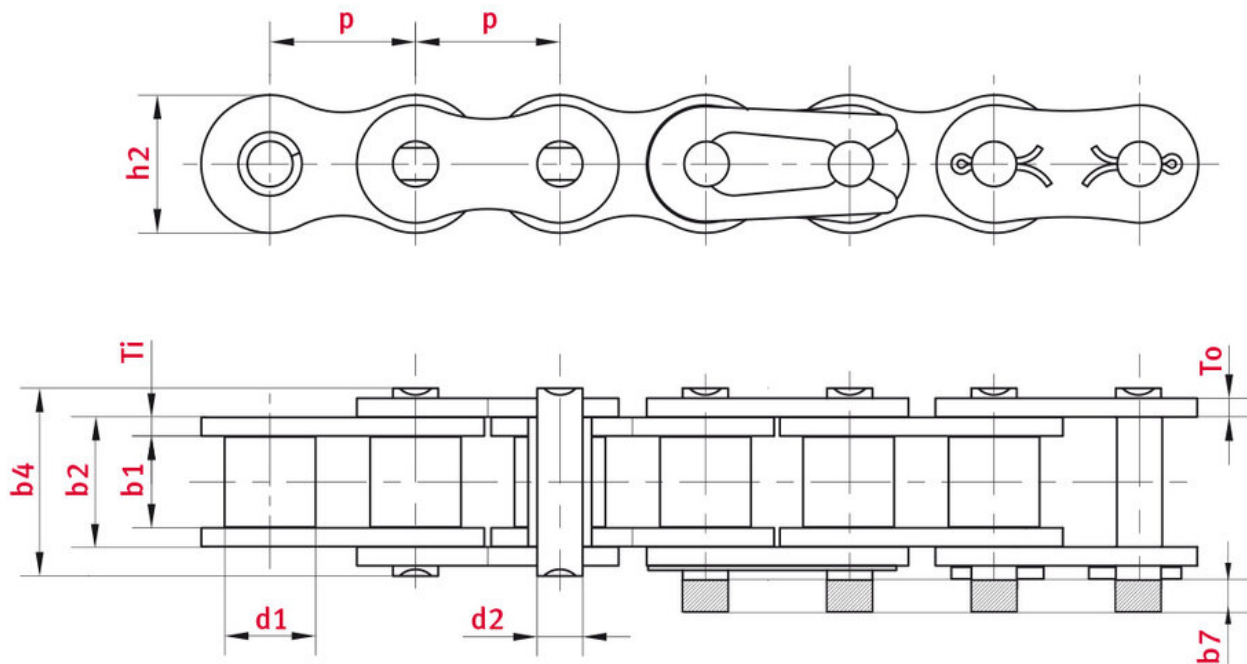
## Roller chain 40-1, zinc-aluminium coated - ELITE

Part no.: I819e5a2b9027

Packaging Unit: 5m

Brand: ELITE

Surface: zinc-aluminium coated



## Technical data

ROLLER CHAIN	40
Pitch p (mm)	12,7
Width between inner plates b1 min. (mm)	7,85
Roller diameter d1 max. (mm)	7,92

Pin diameter d2 max. (mm)	3,98
Pin length b4 max. (mm)	17,8
Max. add. length of connecting link b7 max. (mm)	3,9
Plate thickness Ti/To (mm)	1,50/1,50
Height inner plate h2 max. (mm) (JWIS: g)	12,07
Min. tensile strength ISO/DIN FU (kN)	13,9
Avg. tensile strength FB (kN)	17,8
Weight per meter (kg)	0,62
Bearing surface f (cm²)	0,43

## Product Information

The new zinc-aluminium coated chains "ZAP coated chains" have the best corrosion protection of all coated chains. The typical lamellar structure of these coatings provide a so-called "barrier effect" and high cathodic corrosion protection without the risk of hydrogen embrittlement. The coating also has a positive effect on friction in the chain bearing. The new ZAP coating will replace the previous Geomet and Dacromet chains.

### Product highlights

- The dimensions of all zinc-plated and nickel-plated ELITE-chains comply with the requirements of ISO 606 and the chains are interchangeable with standard chains
- Zinc-plated and nickel-plated chains are prestretched to 30 % of breaking load
- All chain plates are tapered and zinc or nickel plated
- Chains are fitted with seamless rollers; zinc or nickel plating available
- Pins offer a high level of corrosion protection and wear resistance
- The load capacity of zinc- or nickel-plated ELITE chains is similar to that of comparable standard chains
- Both chain types are generally supplied lightly oiled

## Applications

- Packaging industry
- Solar and energy technology
- Wood processing industry
- Environmental technology, Recycling



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<https://www.iwis.com/en-en/products-services/roller-chain-40-1-zinc-aluminium-coated-elite~p3962>

## Useful information



### CALCULATION PROGRAM

InduKet: the Chain Drive  
Calculation Program for  
Engineers.

[iwis.com/chaincalc](https://www.iwis.com/chaincalc)



### CHAIN CALCULATION

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challenge.

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### SERVICES

ChainFinder, CAD data, iwis  
Chain Handbook and more.

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