



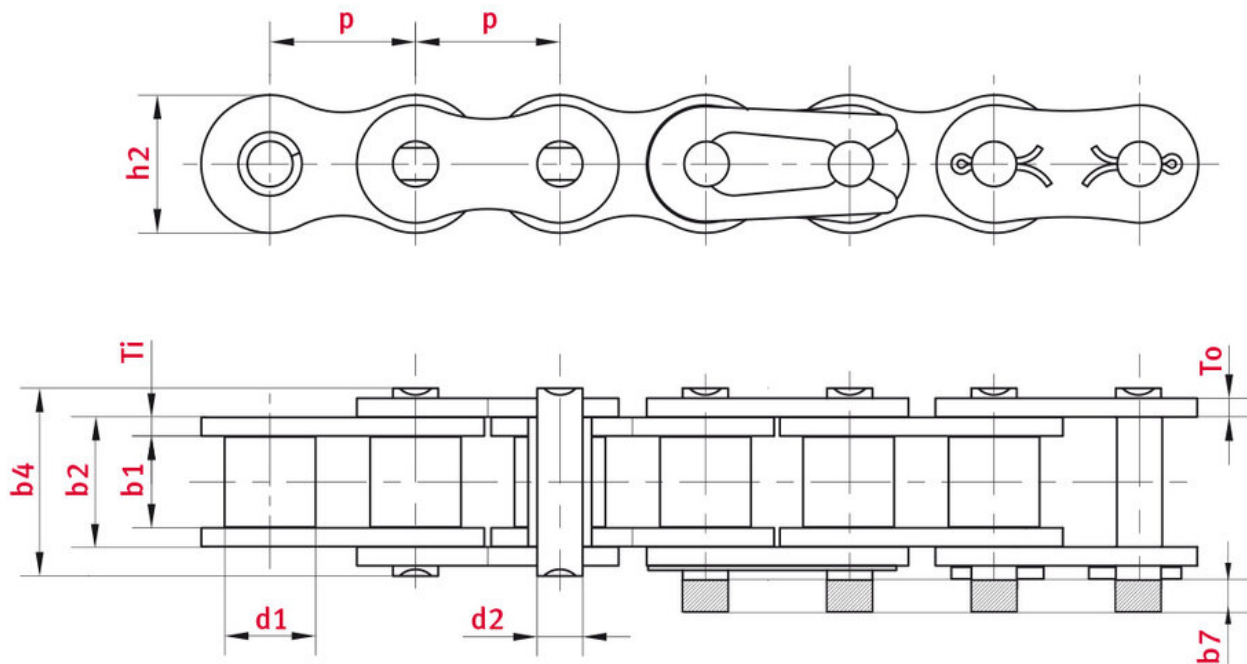
## Roller chain 120-1, zinc-aluminium coated - ELITE

Part no.: I6943bf459aaa

Packaging Unit: 5m

Brand: ELITE

Surface: zinc-aluminium coated



## Technical data

ROLLER CHAIN	120
Pitch $p$ (mm)	38,1
Width between inner plates $b1$ min. (mm)	25,22
Roller diameter $d1$ max. (mm)	22,23

Pin diameter d2 max. (mm)	11,11
Pin length b4 max. (mm)	50,8
Max. add. length of connecting link b7 max. (mm)	6,6
Plate thickness Ti/To (mm)	4,80/4,80
Height inner plate h2 max. (mm) (JWIS: g)	36,2
Min. tensile strength ISO/DIN FU (kN)	125
Avg. tensile strength FB (kN)	156,9
Weight per meter (kg)	5,62
Bearing surface f (cm²)	3,89

## 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-120-1-zinc-aluminium-coated-elite~p3967>

## 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  
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