

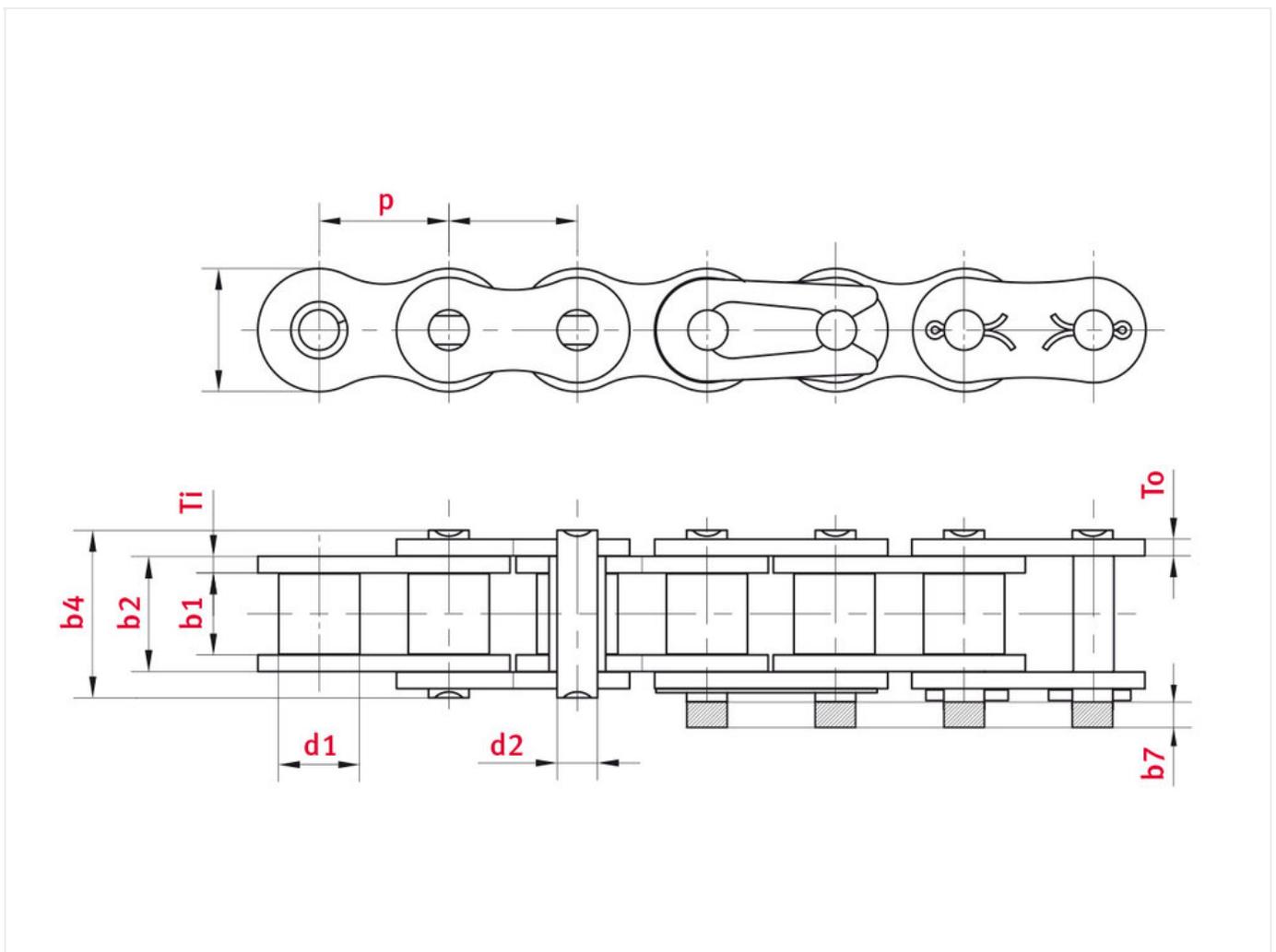


## Roller chain 083-1 Reel - ELITE

Part no.: 81012610

Brand: ELITE

Model: Reel



### Technical data

ROLLER CHAIN	083
Pitch p (mm)	12,7
Width between inner plates b1 min. (mm)	4,88
Roller diameter d1 max. (mm)	7,75

Pin diameter d2 max. (mm)	4,09
Pin length b4 max. (mm)	12,9
Max. add. length of connecting link b7 max. (mm)	1,5
Total width inner link b2 max. (mm)	7,9
Plate thickness Ti/To (mm)	1,3
Min. tensile strength ISO/DIN FU (kN)	11,6
Weight per meter (kg)	0,45
Bearing surface f (cm <sup>2</sup> )	0,32

## Product Information

These chains were the result of various specific customer requests, such as a demand for increased load capacity without additional space or chains designed to fit in a restricted installation space. Some versions were originally derived from bicycle or motorcycle chains. Their specifications are as diverse as their applications.

ELITE roller chains have a high wear resistance and significantly higher fatigue strength than the standard requires. The right choice for industrial applications: robust and reliable. All ELITE transmission roller chains are highly pre-tensioned and treated with our special additive chain oil eliDUR+, a high-tech initial lubricant. Non-drip eliDUR+ offers not only the added advantage of improved running characteristics, but also provides better corrosion protection.

### Highlights

- Works standard chains are supplied with initial lubrication
- All chains are pre-stretched with 30 – 50% of breaking strength
- Length tolerances: 0.15% of nominal length
- Higher breaking strengths
- Seamless, cold-extruded, shot-blasted rollers with extremely regular wall thickness

## Applications

- Warehouse technology, materials-handling industry
- Fördertechnik
- Assembly and industrial handling systems
- Wood processing industry
- Mechanical engineering and systems construction
- Glass, ceramic and building material industry
- Environmental technology, Recycling

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<https://www.iwis.com/en-en/products-services/roller-chain-083-1-reel-elite~p3089721>

## Useful information

### **CALCULATION PROGRAM**

InduKet: the Chain Drive Calculation Program for Engineers.

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

### **CHAIN CALCULATION**

The right drive solution for your challenge.

[chaindrive@iwis.com](mailto:chaindrive@iwis.com)

### **SERVICES**

ChainFinder, CAD data, iwis Chain Handbook and more.

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