



## Roller chain 120-1 - JWIS

Part no.: I46c7412fa500

Brand: JWIS



### Technical data

ROLLER CHAIN	120
Pitch p (mm)	38,1
Width between inner plates b1 min. (mm)	25,4
Roller diameter d1 max. (mm)	22,23

Pin diameter d2 max. (mm)	11,11
Total width inner link b2 max. (mm)	35,45
Outer link pin rivet a1 max. (mm)	51,06
Outer link key groove a max. (mm)	55,36
Height inner plate h2 max. (mm) (JWIS: g)	36,19
Min. tensile strength ISO/DIN FU (kN)	125
Avg. tensile strength FB (kN)	152,984
Weight per meter (kg)	5,64
Bearing surface f (cm <sup>2</sup> )	3,94

## Product Information

JWIS Roller chains are characterised by an above-average service life due to excellent wear resistance, high consistency, matchless precision and a considerably higher breaking strength and fatigue strength than required by ISO standard. All iwis chains are pre-stretched and are provided with a highly efficient initial lubrication.

### Highlights:

- Only high-quality heat-treated and case-hardened steel is used with stringent specifications for materials analysis, tolerances and surface quality
- Each chain part is manufactured a million times daily to the same precision and is monitored using SPC (statistical process control)
- All chain parts are heat-treated, in some cases using special processes to optimize quality characteristics
- Modern production technologies ensure consistent geometry and superior surface quality
- Chains are checked for dimensional accuracy, length tolerance and flexibility, plus for the press fit joins on pins, outer plates and bush, and inner plate
- Our high quality assurance standards comply with the requirements of ISO 9001:2006
- For special applications: surface coatings, special lubricants, special materials (e.g. corrosion-resistant)

## Applications

- Warehouse technology, materials-handling industry
- Conveyor technology
- 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-120-1-jwis~p4773>

## 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)