



Roller chain 12B-1 Super Longlife Pin (SL) - JWIS

Part no.: 50018781

Packaging Unit: 5,01m

Brand: JWIS

Model: Super Longlife Pin (SL)



Technical data

ROLLER CHAIN	12B
Pitch p (mm)	19,05
Width between inner plates b1 min. (mm)	11,75
Roller diameter d1 max. (mm)	12,07

Pin diameter d2 max. (mm)	5,72
Total width inner link b2 max. (mm)	15,62
Outer link pin rivet a1 max. (mm)	22,7
Outer link key groove a max. (mm)	23,6
Height inner plate h2 max. (mm) (JWIS: g)	16,4
Min. tensile strength ISO/DIN FU (kN)	28,9
Avg. tensile strength FB (kN)	32,7
Weight per meter (kg)	1,25
Bearing surface f (cm ²)	0,89

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.

iwis SL series chains (Super Longlife) have pins with an extremely hard surface. This special design shows outstanding characteristics: Highest wear resistance, a prolonged service life, high breaking and fatigue strength, low susceptibility to deficient operational lubrication, corrosion and frictional corrosion in the chain links.

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 joints 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-gb/products-services/roller-chain-12b-1-super-longlife-pin-sl-jwis~p4742>

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.

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SERVICES

ChainFinder, CAD data, iwis Chain Handbook and more.

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