Roller chain 08B-1 MEGAlife Straight side plates, maintenance-free - JWIS

Part no.: 50049011
Packaging Unit: 5,017m

Brand: JWIS
Model: MEGAlife Straight side plates
Surface: maintenance-free

Technical data

ROLLER CHAIN	08B
Pitch p (mm)	12,7
Width between inner plates b1 min. (mm)	7,75
Roller diameter d1 max. (mm)	8,51
Pin diameter d2 max. (mm)	4,45
Total width inner link b2 max. (mm)	11,3
Outer link pin rivet a1 max. (mm)	16,9
Outer link key groove a max. (mm)	18,5
Height inner plate h2 max. (mm) (JWIS: g)	12,2
Min. tensile strength ISO/DIN FU (kN)	17,8
Weight per meter (kg)	0,7
Bearing surface f (cm²)	0,5

Product Information

MEGAlife maintenance-free roller and conveyor chains are designed for applications where regular relubrication is not possible, undesirable or can only be carried out with considerable effort. They are particularly suitable for applications with difficult access for maintenance work and for operating environments where a dry chain surface is advantageous.

At iwis, “maintenance-free” means that no scheduled relubrication of the chain joint is required during the intended service life, provided the chain is used as intended and within the specified operating limits. Inspections and other maintenance measures, as well as replacement due to wear, remain necessary.

The special MEGAlife chain joint design combines a sintered bush developed specifically for this application with a surface-treated pin. This enables wear performance designed for long service life without scheduled relubrication.

Nickel-plated individual components support corrosion protection. At the same time, MEGAlife chains offer high fatigue and breaking strength and are designed for a temperature range of –40 °C to +150 °C.

The reduced need for relubrication can help reduce maintenance effort and maintenance-related downtime. Depending on the specific application and operating conditions, MEGAlife chains can be supplied with the integrated lubrication provided for the product or with an additional special lubricant.

MEGAlife Highlights

- No scheduled relubrication of the chain joint during the intended service life, provided the chain is used as intended and within the specified operating limits
- Seamless sintered bush made from a material developed specifically for this application, hardened and treated for optimized tribological properties
- Pin with a wear-resistant, friction-optimized surface treatment
- Seamless roller with a corrosion-protected surface and geometry optimized for the sintered bush
- Designed for long service life and low wear without scheduled relubrication
- High fatigue and breaking strength
- Optimized wear performance, even under demanding operating conditions
- Corrosion protection through nickel-plated individual components
- Dry chain surface supports applications where lubricant leakage should be minimized
- Easy to disassemble – Easy Break
- Depending on the operating conditions, also suitable for applications exposed to corrosive environments; additional lubrication may be beneficial depending on the application
- Temperature range from –40 °C to +150 °C
- Many standard and conveyor chain designs can be realized as MEGAlife versions

The suitability of the respective MEGAlife version depends on load, speed, temperature, environmental conditions and other application-specific operating parameters.

Applications

- Packaging industry
- Food processing industry
- Printing industry, paper manufacture
- Conveyor technology
- Textile and clothing industry
- Electronics industry and PCB manufacture
- Glass, ceramic and building material industry

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https://www.iwis.com/en-en/products-services/roller-chain-08b-1-megalife-straight-side-plates-maintenance-free-jwis~p4982

Useful information

CALCULATION PROGRAM

InduKet: the Chain Drive Calculation Program for Engineers.

iwis.com/chaincalc

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