

JWIS CR Chains

Corrosion-resistant roller chains and conveyor chains according to ISO 606

PROBLEM/INITIAL SITUATION

Chains in corrosive media have to possess high fatigue and wear resistance. Chains made of standard steels corrode quickly whilst stainless steels made of V2-A steel do not withstand these stresses. Nickel-plated or galvanised chains only offer limited corrosion-proofing because the coating is destroyed by abrasion.

OUR SOLUTION

CR: iwis high performance chains made of hardened high-alloyed steels with good corrosion resistance and significantly higher strength than stainless steel chains.

HIGHLIGHTS

- High wear resistance if relubrication is done at regular intervals
- Good and long-lasting corrosion resistance – in comparison with surface-coated chains
- Significantly higher fatigue resistance and breaking strength figures than stainless steel chains
 - → smaller dimensions possible

TECHNICAL FEATURES

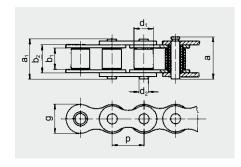
	iwis CR	iwis Standard	Stainless Chain		
All components	hardened	hardened	not hardened		
Pre-stretched	yes	yes	not regularly		
Fatigue strength	80%	100%	50%		
Wear resistance	95%	100%	30%		

CORROSION RESISTANCE

All CR chains are provided with a reliable high quality initial lubrication.

For permanent corrossion resistance, a sufficient regular relubrication is necessary.

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08 B-1	L 85 CR	1/2 x 5/16"	16.9	18.5	8.51	4.45	12.2	15,000	0.50	0.70
10 B-1	M 106 CR	5/8 x 3/8"	19.5	20.9	10.16	5.08	14.4	18,000	0.67	0.95
12 B-1	M 127 CR	3/4 x 7/16"	22.7	23.6	12.07	5.72	16.4	22,000	0.89	1.25



AREAS OF APPLICATION

- · Food product processing
- Drinks manufacture
- Packaging machines
- Cheese and dairy technology
- Areas where dominate moist or aggressive conditions
- Cleaning systems
- (Chemical) equipment construction
- ...and everywhere where chains have to remain articulated despite difficult conditions as a consequence of corrosion and may not rust on hygienic or visual grounds.

RUST- AND ACID-RESISTANCE

Dependent on

- duration
- concentration
- temperature
- variations of the mixture of the individual media. We recommend field trials to check fitness for the operational purpose.

CHAIN SPROCKETS

Depending on the circumstances, chain sprockets can be used which are made of

- stainless material
- suitable plastics
- or steel, possibly with an electro-plated coating.