

iwis® b.dry maintenance-free Stainless Steel Chains

Extremely wear-resistant, corrosion-free and absolutely dry!

BEST QUALITY

b.dry chains are made from **corrosion-free, maintenance-free CF stainless steel with an optimized articulated link** that represents a masterpiece of high precision.

The secret of the b.dry range is to consign the old notions of „steel on steel“ to the past! The fact that no lubricants are needed is thanks to our b.dry bushes, which are made from a special, high-performance polymer.

The capabilities of this material are absolutely unparalleled. b.dry products run **completely dry**, but are still more **resistant to wear and corrosion, stronger** and have a **longer service life** than comparable chains.

In a dry state twice as good, with initial lubricant even four times as good.
A worthwhile investment in every respect.

HIGHLIGHTS

- Properties of individual parts that are perfectly harmonized with each other reduce chain wear and dramatically increase service life. b.dry chains are extremely reliable, withstand high dynamic loads and are corrosion-resistant.
- b.dry chains are completely dry-running. No lubrication is necessary, thanks to a high-performance plastic friction bearing in the articulated link.
- Extremely high resistance to aggressive media. Information on chemical resistance of the b.dry chains and bush available on request.
- Length tolerances compliant with ISO 606.
- Temperature range: -100 °C to +200 °C.
- No relubrication required.
- Also available as roller chains with attachments or extended pins and as custom-developed chains. ANSI chains also on request.



b.dry

- High-performance polymer bushes **1** are FDA-compliant, friction-efficient and heavy-duty. Completely safe in contact with foodstuffs or other hygiene-sensitive goods.
- Stainless-steel bushes: **2** thin-walled, seamless and ball-drifted. This means that b.dry chains achieve greater strength and significantly higher wear resistance.
- CF basic chain made of austenitic stainless steel. **3**

WEAR LIFE

Wear life Chain **dry**

Competitor

iwis M 127CF **b.dry**

2x

as good as the competition

Wear life Chain with **initial lubrication** (upon request)

Competitor

iwis D 127CF **b.dry**

4x

as good as the competition

APPLICATIONS

- In aggressive environments
- In environments in which water or steam are applied and with strict cleaning regulations for e.g.:
- Pharmaceutical industry
- Automobile industry paint lines
- Food processing industry
- Clean room applications

In a dry state **PWIS-free**

FLYER

See our product flyer for more information.



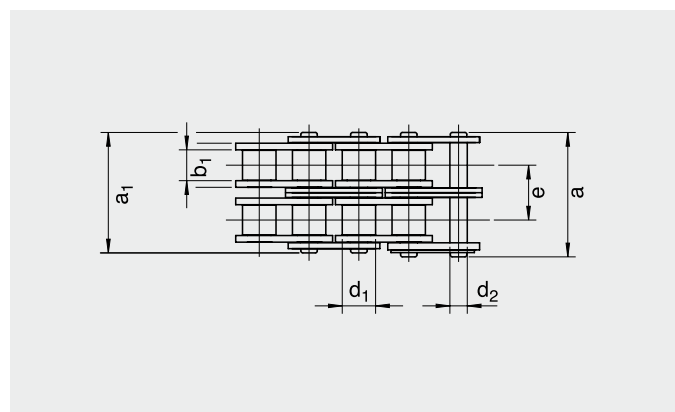
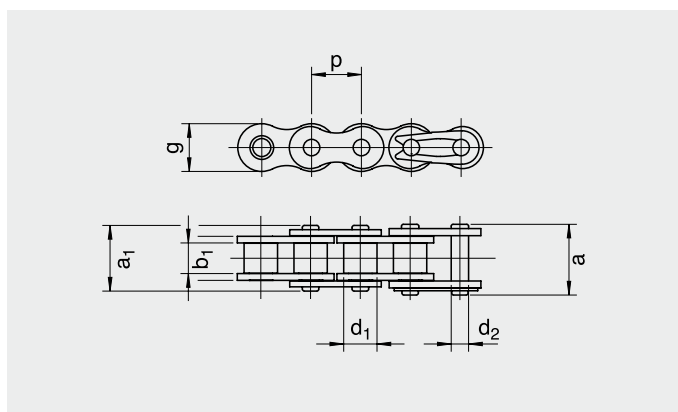
b.dry

More than just
stainless steel!



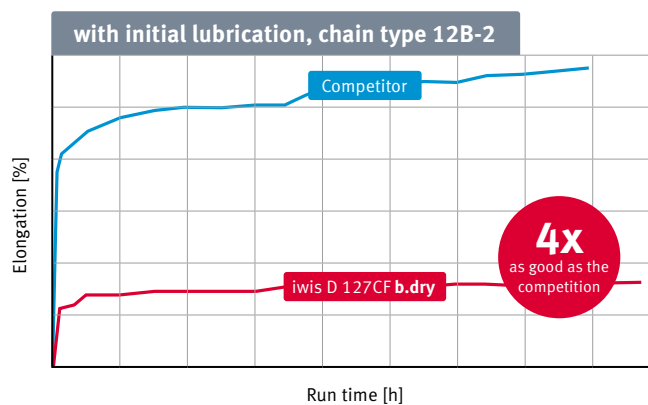
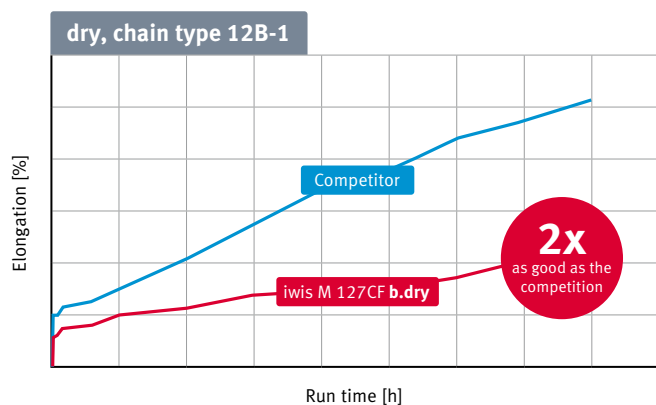
iwis reference	DIN ISO	Pitch p (mm)	Inner width b1 min. (mm)	Roller Ø d1 max. (mm)	Pin Ø d2 max. (mm)	Pin length a1 max. (mm)	Length grooved pin** a max. (mm)	Plate height g (mm)	Traverse pitch e (mm)	Min. tensile strength (N)	Article no.
b.dry Stainless Steel Chains											
L 85 CF b.dry	08 B-1	12.70	7.75	8.51	4.45	17.0	20.7	11.8	–	12,500	40009443
D 85 CF b.dry	08 B-2	12.70	7.75	8.51	4.45	31.0	34.9	11.8	13.92	22,000	40009454
M 106 CF b.dry	10 B-1	15.875	9.65	10.16	5.08	19.6	23.7	14.7	–	16,000	40009451
D 106 CF b.dry	10 B-2	15.875	9.65	10.16	5.08	36.2	40.3	14.7	16.59	29,000	40009455
M 127 CF b.dry	12 B-1	19.05	11.68	12.07	5.72	22.7	27.3	16.1	–	20,000	40009452
D 127 CF b.dry	12 B-2	19.05	11.68	12.07	5.72	42.2	46.8	16.1	19.46	35,000	40009456
M 1611 CF b.dry	16 B-1	25.40	17.02	15.88	8.28	36.1	41.5	21.0	–	40,000	40009453

** a = Spring connecting link CF = corrosion-free Roller chains with standard attachments and custom designs can be implemented. ANSI chains on request.



Chain elongation performance of a b.dry roller chain with and without initial lubrication

The performance of the chain can be increased fourfold by using our lubricant, which has been approved for use with foodstuffs.



Figures not to scale.