

حکری Grip Chains

Safe infeeding, transportation and positioning of thin-walled, large-area soft foils and panels

PRODUCT RANGE





Design **B**





Design D

Design E



With 1 tip

With 2 tips

With flat clamps

With button clamps

With clamp E

With clamp F

HIGHLIGHTS

- iwis high-performance chains with excellent wear resistance
- Minimal initial elongation due to optimum pre-stretching
- High rigidity also enables applications in long machines
- Basic chain versions are chemically nickel-plated / MEGAlife maintenancefree versions are available on request
- Identical chain lengths (within the selected tolerance range) ensure excellent running characteristics in both synchronous and parallel operation
- Differing levels of spring force allow an extremely wide range of materials to be gripped gently and held securely
- Chains with restricted length tolerances can be produced
- Recommended maximum running speed: Different control geometry is required for higher running speeds.
- iwis provides complete, ready-to-install solutions!

FLYER

See our product flyer for more information.





Special Conveyor Chains



THE NEW IWIS GRIP CHAIN



CURRENT SOLUTION

- Not enough space to insert film
- Applying force only to individual points in the foil can cause the film to tear, which also results in increased noise.
- Foil deformation possible at the edge of the gripper element

OUR SOLUTION

- Accurate fitting of gripper in the groove
- Better retention force than the competition
- Retention force dependent on plastic film used
- Burled plate for optimized functional safety and hygiene
- More free space for better foil insertion
- Films are not twisted, no deformation at the edge of the gripper element
- Lower noise emissions
- Easier removal of foil scraps at the line outfeed







<u><u></u>Svvis[®] Grip Chains</u>

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"1-TIP" GRIP CHAINS



TECHNICAL FEATURES

- Simplex and duplex chain 1/2 x 5/16" acc. to ISO 606
- Gripper with 1 tip, special designs on request
- Retention force is dependent on material conveyed and spring design – different number of coils and wire spring diameters available
- The gripper opens when it runs against a control disc (e.g. sprocket hub), causing it to swivel away outwards
- Food-grade initial lubrication
- Sprocket designs on request

iwis reference	DIN ISO	Pitch p [mm]	Average foil retention force F * [N]	Spring	х	у	Article No.
L 85 Grip	08 B-1	12.7	10	0.7 x 6	5	6	50007495
L 85 Grip	08 B-1	12.7	24	0.9 x 5	4	5	50034722
D 85 Grip	08 B-2	12.7	10	0.7 x 6	5	6	50007033



Dimensions x and y are dependent on the springs used. These are maximum values for the opening stroke. A smaller opening stroke will increase life expectancy of the spring.

* Reference foils were used to determine the average foil gripping force (F).

Concrete values are dependent on the film used (material, surface, thickness). Deviations are possible.

"2-TIP" GRIP CHAINS



TECHNICAL FEATURES

- Simplex and duplex chain 1/2 x 5/16" acc. to ISO 606
- Gripper with 2 tips, special designs on request
- Retention force is dependent on material conveyed and spring design – different number of coils and wire spring diameters available
- The gripper opens when it runs against a control disc (e.g. sprocket hub), causing it to swivel away outwards
- Higher retention force in comparison with 1-tip grip chain
- Food-grade initial lubrication
- Sprocket designs on request

iwis reference	DIN ISO	Pitch p [mm]	Average foil retention force F * [N]	х	У	Article No.
L 85 Grip	08 B-1	12.7	35	3.0	4.5	50024958



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"FLAT CLAMP" GRIP CHAINS



"BUTTON CLAMP" GRIP CHAINS



TECHNICAL FEATURES

- Simplex and duplex chain 1/2 x 5/16" acc. to ISO 606
- Gripper with flat clamping surface
- Retention force is dependent on material conveyed and spring design – different number of coils and wire spring diameters available
- The gripper opens when it runs against a control disc (e.g. sprocket hub), causing it to swivel away outwards
- Gentle handling of materials
- Low transmission forces
- Sprocket designs on request
- Can also be used for paper

iwis reference	DIN ISO	Pitch p [mm]	Average foil retention force F * [N]	Spring	х	у	Article No.
L 85 Grip	08 B-1	12.7	3	0.7 x 6	5	3.5	50037062
L 85 Grip	08 B-1	12.7	5	0.9 x 5	4	2.8	50035540
D 85 Grip	08 B-2	12.7	3	0.7 x 6	5	3.5	50032581



Dimensions x and y are dependent on the springs used. These are maximum values for the opening stroke. A smaller opening stroke will increase life expectancy of the spring.

* Reference foils were used to determine the average foil gripping force (F).

Concrete values are dependent on the film used (material, surface, thickness). Deviations are possible.

TECHNICAL FEATURES

- Simplex chain 1/2 x 5/16" or 5/8 x 3/8" acc. to ISO 606
- Rotationally symmetrical gripper element
- Extremely flat button clamp
- Retention force is dependent on material conveyed and spring design – different number of coils and wire spring diameters available
- **iwis patent** (spring without additional fixing elements)
- Does not swivel away outwards when opened
- Sprocket designs on request

iwis reference	DIN ISO	Pitch p [mm]	Average foil retention force F * [N]	е	Article No.
M 106 Grip	10 B-1	15.875	70	16.8	50034301
L 85 Grip	08 B-1	12.7	70	15.8	50035491
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GRIP CHAIN WITH CLAMP E



GRIP CHAIN WITH CLAMP F



TECHNICAL FEATURES

- Optimization of grip chain M106 with attachment 202.6 on one side and delivery as a complete solution with gripper system consisting of clamp, burled plate and spring
- Clamp and spring made of corrosion-resistant steel •
- Chain is chemically nickel-plated

150

10 B-1

10 B-1

- Available with long-lasting lubrication or food-grade lubricant •
- Alternative: M106 standard chain also available without attachments (Customers' own clamps can be fitted)

Average foil

retention force

F* [N]

85

85

х

4.9 6.1

4.9

6.1

Length

5 m

50 m

Article No.

50040658

50039260

· Springs with optimised surface structure

Pitch p

[mm]

15.875

15.875

TECHNICAL FEATURES

- Single and duplex chain 1/2 x 5/16" acc. to ISO 606
- Complete gripper element •
- Gripper element with a continuous sharp-aged gripping flange
- Retention force is dependent on material conveyed
- Clamp and spring made of stainless steel spring steel
- Due to a special geometry of sprockets used, the gripper opens with a slight sideways movement
- Food-grade initial lubrication
- Sprocket designs on request

iwis reference	ISO	Pitch p [mm]	Average foil retention force F * [N]	Spring	х	у	Article No.
L 85 Grip	08 B-1	12.7	42	1.3 x 5.5	3	0.6	50045980



Dimensions x and y are dependent on the springs used. These are maximum values for the opening stroke. A smaller opening stroke will increase life expectancy of the spring.

* Reference films were used to determine the average film gripping force (F).

Concrete values are dependent on the film used (material, surface, thickness). Deviations are possible.

iwis

reference

M 106 Grip

M 106 Grip

