



FB HEAVY WELDED CHAINS



PREMIUM QUALITY
CONVEYOR CHAINS
SINCE 1945

FB Welded Conveyor Chains are suitable for all demanding applications in different industries.

Chain with welded pins and bushes can reach up to 50% higher breaking load compared to a riveted chain. FB Ketjutekniikka is using the premium FB1000 boron steel for side plates offering significantly better wear resistance and breaking load. Most standard chains available from stock. Customized chains with attachments within short delivery time.

FEATURES

welded chain structure

- up to 50% higher breaking load compared to a riveted one

FB1000 side plate material

- superior wear resistance
- excellent weldability
- upgraded features available by heat treatment

hardened pins, bushes and rollers

- upgraded wear resistance
- FB-hardening means deeper hardening depth
- pin and bush ends not hardened to strong welding quality

BENEFITS

- significantly improved strength
- higher load capacity with less weight
- lower total cost
- several attachment types available
- easy and reliable attachment installation
- flexibility of attachment design
- increased lifetime



TECHNICAL DATA

Components	Material	Heat treatment	Hardness
Side plate			
std	FB1000		200 - 250 HB
option	FB1000	QT	320-350 ± 20 HB
Pin			
std	BM311	QT+IH	52 ± 2 HRC
option	AISI 420	QT+IH	50 ± 2 HRC
Bush			
std	CK15	CH	60 ± 2 HRC
option	AISI 420	QT+IH	50 ± 2 HRC
Rollers			
std	CK15	CH	58 ± 2 HRC
option	AISI 420	QT+IH	50 ± 2 HRC

BREAKING LOAD COMPARISON

Chain DIN 8167	Most common pitches/mm				Breaking Load acc. to std	Breaking Load of FB Chains
					kN	kN
					min	tested
M 160	100	125	160	200	160	255
M 224	125	160	200	250	224	375
M 315	160	200	250		315	460
M 450	200	250	315		450	661
M 630	200	250	315		630	920

INDUSTRIES

- energy
- recycling
- saw mill
- plywood
- pulp and paper
- metal and mining
- cement and other construction materials
- biomass
- automotive
- off-shore

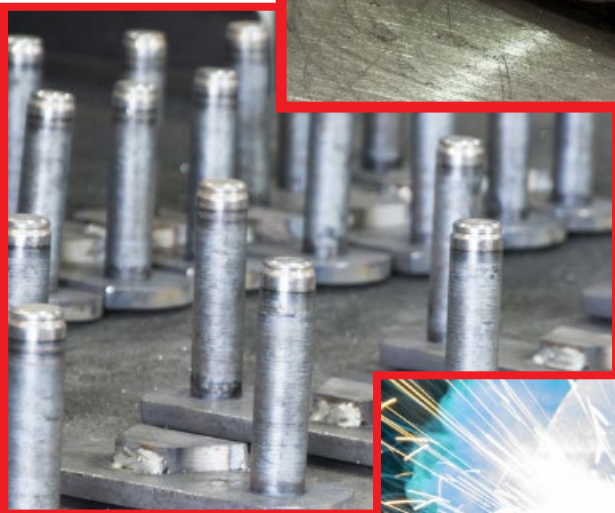
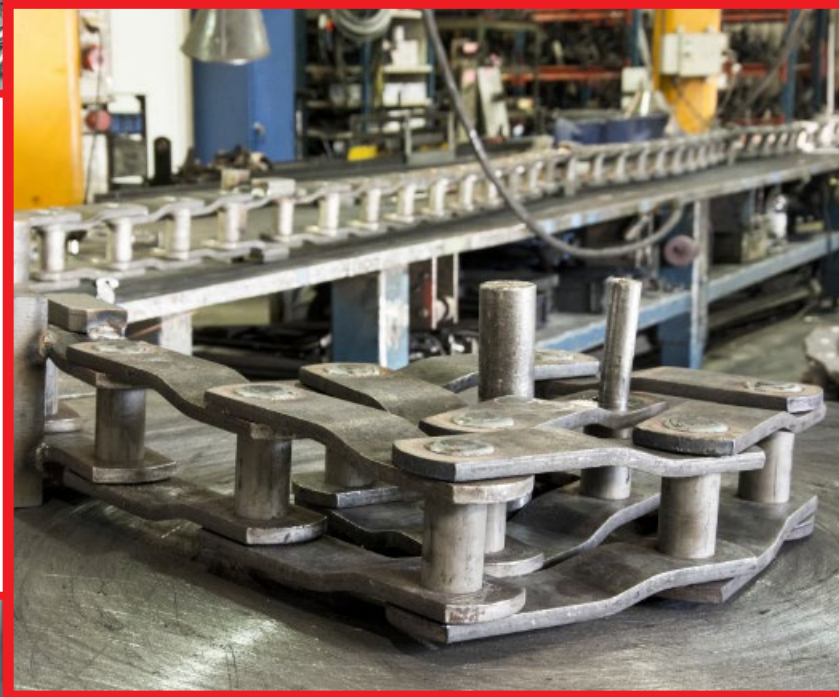
TYPICAL APPLICATIONS

- wood chip and peat conveyors
- log conveyors and sorters
- heavy steel plate transport
- paper roll conveyors
- versatile bulk material handling

COMMONLY USED ATTACHMENTS

- scrapers
- brackets (welded or screwed)







FB Ketjutekniikka



PREMIUM QUALITY
CONVEYOR CHAINS
SINCE 1945



We have spent many years working with Scandinavia's leading steel producers refining the specialized steels for our conveyor chains.

Our conveyor chains are manufactured using automatic assembly and robotic welders.

We make the future of conveyor chains.

FB KETJUTEKNIikka OY
Kokemäentie 451
27710 Köyliö, Finland
tel. +358 207 199 460
fb@fbketjutekniikka.fi
www.fbketjutekniikka.fi

ORGANISATION
CERTIFIED BY

Inspecta

ISO 9001
ISO 14001

