



# FB1000

## WEAR RESISTANT STEEL



PREMIUM QUALITY  
CONVEYOR CHAINS  
SINCE 1945

# Material for premium FB Conveyor Chains provides longer lifetime and cost savings.

New FB1000 improved boron steel has been developed for the specific needs of demanding customers. The main targets of the development have been significant improvement of the the wear resistance and strength of the side plates. FB1000 is used as a standard side plate material in most chains. It creates customers added value by extended lifetime and reduced total lifetime cost.

## FEATURES

- improved wear resistance
- higher breaking load
- excellent weldability
- extended strength and hardness available by additional heat treatments
- less costs due to longer chain changing period

## BENEFITS

- extended life cycle
- higher load capacity, more reliable and longer life span
- reliable attachment installation
- flexibility of design
- wide application range
- less maintenance during lifetime

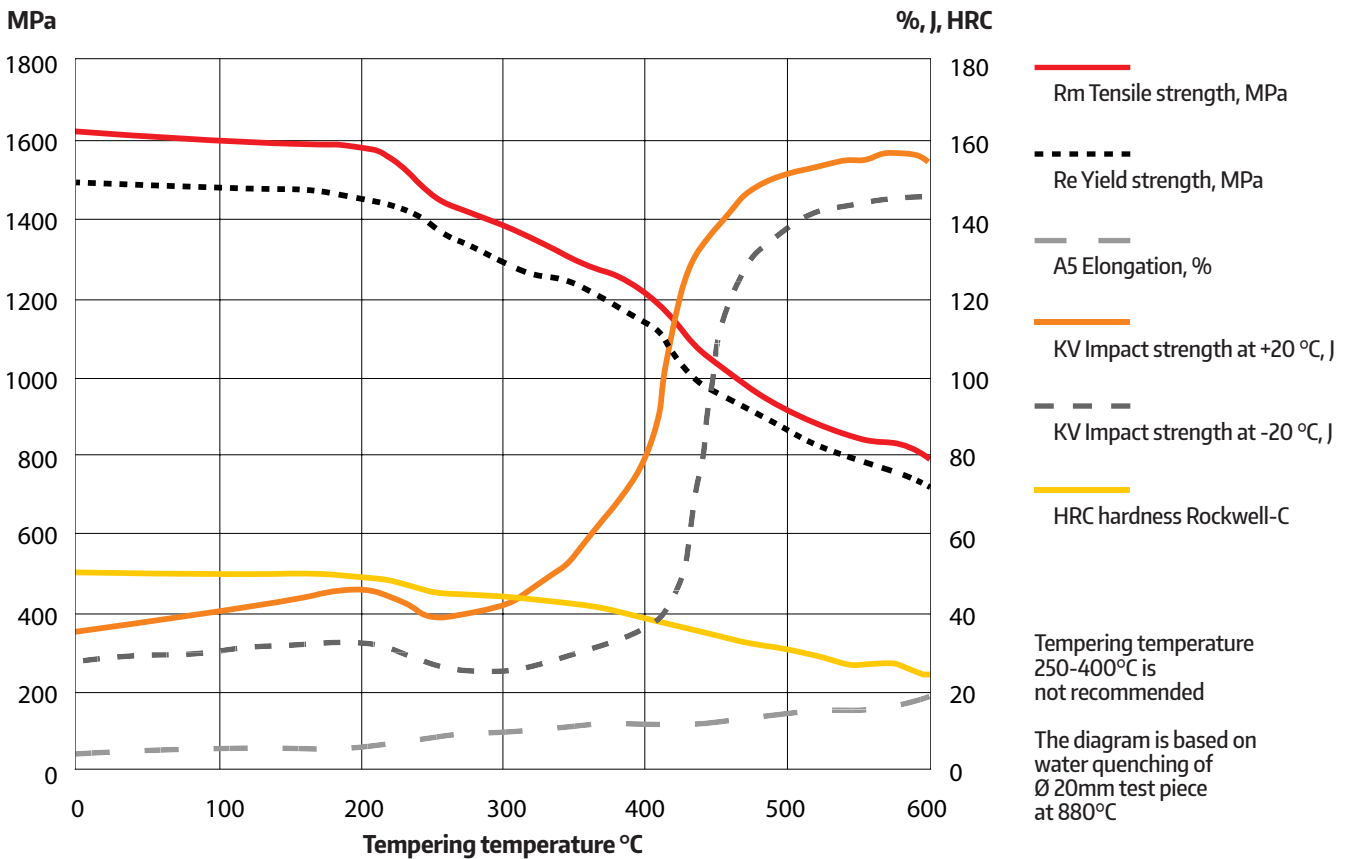
## FB1000 FLAT BAR STOCK DIMENSIONS

Thickness	Width			
5	35			
6	35	40		
7	50			
8	35	40	60	
10	50	60	70	
12	50	60	70	80
14	70	100		
15	85	90		

Rolled condition hardness 200–250 HB . Other dimensions on request.

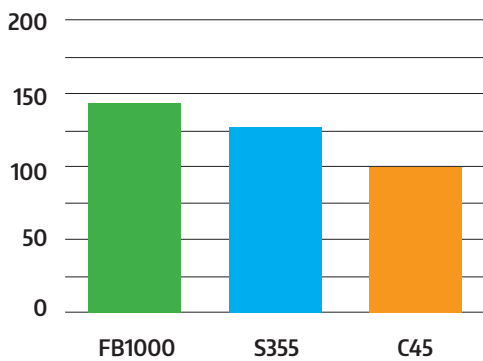


# TEMPERING DIAGRAM



## SUPERIOR WEAR RESISTANCE OF FB1000 \*

Wear Resistance in relation to FB1000

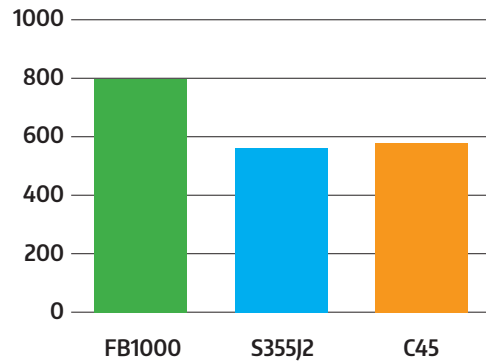


Index C45 = 100

\*) Results are based on Abrasion Test acc. to ASTM G65-85, Tampere University of Technology 2016.

## MECHANICAL STRENGTH OF FB1000 \*\*

Tensile strength/MPa



\*\*) Mechanical strength of FB1000 compared with other wear tested side plate materials in natural condition.





# FB Ketjutekniikka



PREMIUM QUALITY  
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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.**

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