

Profile Material Specification

The Hoesch Special Profile Sections for Lift Trucks are hot rolled and hot extruded.

Sections with closest tolerances for straightness, twist and for the chamber measurement.

Available in multiples or cut to length. Specified drawings with static properties are available on request.

Material: St 52-3

Condition: Hot Rolled

Chemical Composition

	C	Si	Mn	P	S	Al	V	N
Min:	0.09	0.4	1.25			0.01	0.04	0.009
Max:	0.13	0.5	1.45	<.02	<.02	0.04	0.06	0.015

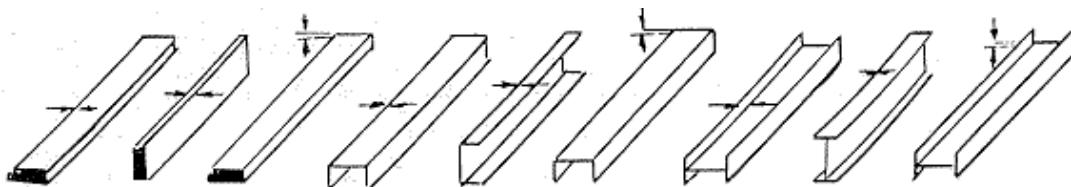
Mechanical Composition

Yield	Tensile Strength	Elongation
365 N/mm	490 - 360 N/mm	>22%
51500 PSI	71100 - 91400 PSI	

Hardness: 145 - 185 HB

Bow on Length: 0.0015 x L(mm)

Twist Tolerance: 0.5 /fm



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