



# STEGRA

*Graphitic Steel*

## Chemical composition

	C	Mn	Si	Cr	Mo	Ni
STEGRA	1.5 — 2.5	0.5 — 1.5	0.5 — 1.5	0.5 — 2.0	0.3 — 0.8	0.5 — 3.0
STEBRA	0.9 — 2.5	0.5 — 1.5	0.2 — 0.7	1.0 — 3.5	<0.5	>1.0

## Properties

	Hardness ShC	Tensile strength MPa	Bending strength MPa
STEGRA	<b>38-60</b>	300-500	600-950
STEBRA	35-47	350-500	650-1000

## Comparative properties

	Fire crack resistance	Toughness	Wear resistance
STEGRA	—	—	—
STEBRA	—	—	-

## Description

Cast steel material with nodular graphite and carbides in a pearlitic/bainitic matrix.

## Applications

Blooming Mills.

Two high stands with high bending forces.

Edging rolls for Hot Strip Mills.

## Features & Benefits

- No hardness drop
- Very good wear resistance