

# NARVA8 B (ESR)

*Forged Tool Steel*

## Chemical composition

	C	Cr	Mo	W	Co	V
<b>NARVA8 B</b>	<b>0,9</b>	<b>8.0</b>	<b>1,5</b>	-	-	<b>2,5</b>
NARVA8 A	0,6	8.0	1,3	1,1	-	-

## Properties

	Hardness HRC	Young's modulus GPa
<b>NARVA8 B</b>	<b>≤ 63</b>	<b>222</b>
NARVA8 A	≤ 61	210

## Comparative properties

	Wear resistance	Toughness	Grindability
<b>NARVA8 B</b>	██████████	██████████	██████████
NARVA8 A	██████████	██████████	██████████
NARVA12 A	██████████	██████████	██████████

## Description

Medium alloyed tool steel manufactured according to Union Electric Åkers specification.

NARVA8 B is normally through hardened but can for some special applications be induction hardened.

NARVA8 B is also available further refined by ESR (Electro Slag Remelting).

## Applications

1<sup>st</sup> Intermediate rolls in 20-high mills for cold rolling of ferrous and non ferrous products.

2<sup>nd</sup> Intermediate rolls in 20-high mills for cold rolling of ferrous and non ferrous products.

Work rolls in 20-high mills for cold rolling of ferrous and non ferrous products.

Work rolls in highly stressed 2-high and 4-high narrow strip mills for cold rolling of ferrous and non ferrous products.

## Features & Benefits

- A high vanadium content provides an excellent compromise between high wear resistance and toughness.
- Suitable for severe rolling conditions.
  - The rolling of silicon steels.
  - The rolling of low carbon steels.