



# NARVA5 B (ESR)

Forged Tool Steel

## Chemical composition

	C	Cr	Mo	W	Co	V
<b>NARVA5 B</b>	<b>0.75</b>	<b>5.5</b>	<b>1.2</b>	-	-	<b>0.5</b>
NARVA5 A	0.65	5.0	1.1	-	-	0.4

**Standards:**

Werkstoff 1.2362 - Modified

## Properties

	Hardness HRC	Young's modulus GPa
<b>NARVA5 B</b>	<b>≤ 62</b>	<b>210</b>
NARVA5 A	≤ 61	210

## Comparative properties

	Wear resistance	Toughness	Grindability
<b>NARVA5 B</b>	=====	=====	=====
NARVA5 A	=====	=====	=====
NARVA8 A	=====	=====	=====

## Description

5% chromium vacuum degassed tool steel manufactured according to Union Electric Åkers specification.

NARVA5 B is normally through hardened but can for some special applications be induction hardened.

NARVA5 B is also available further re-fined 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 highly stressed 2-high and 4-high narrow strip mills for cold rolling of ferrous and non ferrous products.

Side support rolls in Z-high mills.

## Features & Benefits

- NARVA5 B is an improved version of the classical NARVA5 A.
- NARVA5 B is a well-tried and reliable grade in cluster mill roll and narrow strip mill roll applications.
- NARVA5 B offers a good compromise between cost and performance.
- Good wear resistance.
- High toughness.
- High resistance to thermal shocks.