

# NARVA8 A (ESR)

*Forged Tool Steel*

## Chemical composition

	C	Cr	Mo	W	Co	V
<b>NARVA8 A</b>	<b>0.6</b>	<b>8.0</b>	<b>1.3</b>	<b>1.1</b>	-	-
NARVA8 B	0.9	8.0	1.5	-	-	2.5

## Properties

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

## Comparative properties

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

## Description

8% chromium vacuum degassed tool steel manufactured according to Union Electric Åkers specification.

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

NARVA8 A 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 highly stressed 2-high and 4-high narrow strip mills for cold rolling of ferrous and non ferrous products.

## Features & Benefits

- NARVA8 A is particularly suitable for more severe applications due to the good resistance to cracks due to rolling incidents, abrasive wear and surface fatigue.
- Good compromise between hardness-toughness in hardness range 56-60 HRC.