

AI-1558NbV

Specifications

DIN EN 14700
T Fe16-60-G

Description and Applications

AI-1558NbV is an abrasion and impact hard facing alloy, highly Cr-, C-, Mn- and Nb- and V- alloyed. The combination of complex Cr_7C_3 - and special Nb- and V-carbides, dispersed in a Mn-alloyed matrix makes **AI-1558NbV** suitable, when abrasive and impact wear occurs.

Applications include: Parts where high impact and abrasive wear occurs

Typical Weldmetal Analysis

C	Mn	Si	Cr	Nb+V	Other
4-5	2-3	1-2	23-26	7-10	+

Mechanical Properties of Weldmetal

	As Welded
Hardness	58-62 HRc

Welding Parameters

Diameter (mm)	Current type	Voltage	Amps	Stick out (mm)
1.2	DC(+)	20-28	150-180	30-35
2.0	DC(+)	22-28	150-250	30-35
2.4	DC(+)	24-29	250-350	30-35
2.8	DC(+)	26-30	300-450	30-35

Welding Positions

(1G, 1F) Downhand/flat position, (2F) Horizontal position, (2G) Horizontal vertical position, (4F) Horizontal overhead position, (4G) Overhead position, (3G, 3F, 5G up) Vertical Position Up & (3G, 3F, 5G down) Vertical position down.

Welding positions depend on wire diameter as in most cases anything other than 1.2mm (and sometimes 1.6mm) cannot be welded in anything other than the down hand position.

Disclaimer

All figures in this datasheet should be considered indicative only. No guarantee is made as to their accuracy.
All figures subject to change without notice. Batch analysis is available for all products sold. Should you require any further information, please contact us at sales@alloysint.com.au



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