

AI-1600

DIN 8555: UP I-GF-250-P

Description and Applications

AI 1600 is a sub arc-rebuilding alloy for carbon steel parts.

Applications include: Crawler tractor links, crane wheels, shafts, buffer layer for continuous casting rolls, mine car wheels and other area that require build-ups.

Typical Weldmetal Analysis

C	Mn	Si	Cr	Fe
0.14	1.90	0.70	0.55	Bal

Mechanical Properties of Weldmetal

	As Welded
Microstructure	Bainite
Machineability	Good
Oxyacetylene Cutting	Possible
Deposit Thickness	Depends on application and procedure used
Welding Flux	AI-16 Record 605
Hardness	275-325 HB

Welding Parameters

Diameter (mm)	Current type	Amps	Stick-out	Welding Speed (cm/min)	Flux Consumption (kg/kg wire)
3.2	DC+ve	325-450	30-35	35-45	1.8
4.0	DC+ve	400-450	30-35	40-45	1.8

15Kg Spools, 150 & 250Kg Auto Packs

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

