STOODY
A THERMADYNE Company

Stoody® 105-G
Gas Shielded Wire

DESCRIPTION

Stoody 105-G deposit is a low alloy steel developed for the rebuilding of carbon and low alloy steels parts used in applications involving metal-to-metal wear. Stoody 105-G requires carbide tools for machining. It is good for hot wear applications up to 600°F. Multiple layers can be applied without difficulty when proper preheat and interpass temperatures are maintained.

TYPICAL APPLICATIONS

Typical applications include:

- Tractor Rollers
- Shovel Idlers and Rollers
- Top Carrier Rolls
- Mine Car Wheels
- Undercarriage Parts
- Shovel House Roll
- Crane Wheels

TYPICAL DEPOSIT CHARACTERISTICS

Abrasion Resistance	Moderate
Impact Resistance	Moderate
Hardness on 0.2% Carbon Steel	HRC 41 – 46
Deposit Layers	Multiple
Magnetic	Yes
Surface Cross Checks	No
Machinability	Using Carbide Tools
Hot Wear Applications	Up to 600°F

OPERATIONAL CHARACTERISTICS / WELDING PARAMETERS

Diameter, In. (mm)	**1/16 (1.6)**
Current, Amp. DC+	250 – 300
Voltage	25 – 26
Wire Extension	¾” – 1”
Shielding Gas	98% Ar, 2% O_2
Position	Flat & Horizontal

ALLOY TYPE

Low Alloy Steel

STANDARD SIZES & PACKAGING

Diameter	Packaging	Part #
1/16” (1.6mm)	50# PP	11441100

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