

Wear Mode	Product	Base Metal	General Use	PROCESS				AVAILABLE SIZES		APPLICATIONS (Partial Listing)
				GTAW	SMAW	FCAW	GMAW	Wire	Electrodes	
Build-up & Joining Alloys	Stoody Build-up	Carbon steel	Build-up			●	●	.045", 1/16", 3/32", 7/64"		Hammers, Carbon Steel Shovel Pads, Shaft, Rolls, Pump Parts
	Stoody Build-up LH	Carbon steel	Build-up		●				1/8", 5/32". 3/16", 1/4"	Tractor Rollers, Steel Shovel Pads, Tractor Idlers, Sprockets, Shafts
	Nicromang™	Manganese steel	Build-up & Joining		●	●	●	.045", 1/16", 3/32"	1/8", 5/32". 3/16", 1/4"	Dredge Pumps Parts, Crusher Jaws, Impact Breaker Bars, Hammers
	Versalloy™ Plus	Carbon & Manganese steel	Build-up, repair & joining (Joining Carbon Steel to Stainless steel)		●				3/32", 1/8", 5/32"	General purpose Stainless, good for joining Stainless to dissimilar metals
	Stoody 110	Carbon & Manganese steel	Build-up & repair			●	●	.045", 1/16", 3/32", 7/64"		Shovel Teeth, Turbine Cone, Shovel Pads, Crusher Rolls, Drive Tumblers
	Stoody 2110	Carbon & Manganese steel	Build-up & repair		●				1/8", 5/32". 3/16", 1/4"	Steel Frogs, Switch Points, Hammers, Shovel Teeth, Roll Crushers
	Castweld 55	Cast iron	Joining, Build-up & repair		●	●		1/16", 3/32"	3/32", 1/8", 5/32"	Joining build-up, and repair of cast iron parts Pump Impellers, Pump Castings, Housings, Engine blocks and Heads
	Castweld 99	Cast iron	Joining, Build-up & repair		●				3/32", 1/8", 5/32"	Similar applications as Castweld 55 with focus on hairline cracks
Metal to Metal Alloy	Stoody 1105	Carbon & Low alloy steel	Metal to Metal wear		●				1/8", 5/32". 3/16", 1/4"	Tractor Rollers & Idlers, Idler Sprockets, Drive Tumblers, Churn Drills
	Super Build-up	Carbon & Low alloy steel	Metal to Metal wear			●	●	.045", 1/16", 7/64"		Gear Teeth, Sprockets, Steel Shovel Pads, Carbon Steel Shafts
Metal to Earth Alloy "Moderate Abrasion"	Stoody 19	Carbon & Low alloy, and Manganese steel	Severe abrasion, low impact		●				1/8", 5/32". 3/16", 1/4"	Crusher Rolls, Dredge Parts, Pump Shells, Impellers, Impact Breaker Scrappers
	Stoody 965	Carbon & Low alloy, and Manganese steel	Moderate abrasion, high impact			●	●	.045", 1/16"		Tillage Tools, Dredge Parts, Shedder Knives, Extruder Screws
	Stoody 31	Carbon & Manganese steel	Moderate abrasion, moderate impact		●				1/8", 5/32". 3/16", 1/4"	Bucket Arms, Chain Links, Rolling Mill Guides, Pulley, Scrappers, Blades
	Stoody 101HC	Carbon & Low alloy and Manganese steel	Severe abrasion, low impact			●		.045", 1/16", 5/64"		Bucket Slides & Lips, Blades, Clam Shell bucket, Augers, Scraper Sides
	Stoody 121	Carbon & Low alloy and Manganese steel	Moderate to severe abrasion, & moderate impact			●	●	.045", 1/16", 5/64"		Scraper Slides, Scraper Cutters Vibrator Ditcher Shanks, Pot Hole Augers
Metal to Earth Alloy "Extreme Abrasion"	Stoody 130	Carbon & Low alloy steel	Extreme Abrasion & low impact			●		1/16", 7/64"		Muller Plows, Chisel Plow, Ammonia Injectors, Raymond Mill Plows
	Vancar™	Carbon & Low alloy steel	Extreme Abrasion & low impact		●	●	●	1/16", 3/32", 7/64"	5/32". 3/16"	Farm Drill Points, Dry Cement Pump Screws, Drill Pipe Stabilizer, Paddles
	Acetylene Tube Borium (ATB Bare)	Carbon & Low alloy steel	Extreme Abrasion & low impact	Oxy-Acetylene					1/8", 5/32". 3/16", 1/4"	Plow Points, Cane Knives, Teeth, Tool Drill Bits
Temperature Abrasion Corrosion	Stoody 6	Carbon & Low alloy and Stainless Steel	High temperature abrasion & corrosion resistance	●	●		●	.045", 1/16", 3/32"	1/8", 5/32". 3/16", 1/4". 5/16" (also in bare rod)	Valves Trim, Pump Sleeves, Engine Valves, Pulp Digester Blades, Dies
	Stoody 21	Carbon & Low alloy and Stainless Steel	High temperature abrasion & corrosion resistance	●	●		●	.045", 1/16"	1/8", 5/32". 3/16", 1/4". 5/16" (also in bare rod)	Cavitation Applications, Hot Working Dies, Turbine Runners, Valve Seat

“Other products & services”

No other hardfacing supplier offers the full line of iron, nickel and cobalt based alloys. With our staff of scientists, Stoody is in the forefront of alloy development. We challenge you to compare!

In addition, Stoody Company has made huge capital investments in equipment and people so as to offer the world's finest products and services at competitive prices. We are proud to point out that 70% of our product are now produced on state of the art equipment purchased over the past five years.

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Typical Packaging

Semi-Automatic Wires

25# Spools	60# Coils
33# Spools	110# QP
50# Spools	200# HP

Note: 25# and 33# spools have 2" I.D.
50 lb. & 60 lb. Polypaks and have 12" I.D.

Bare Rods & Electrodes

10# Vacuum Packages
10# Boxes
20# Boxes (28" lengths)
60# Bulk Packages
60# Bulk Packages (28" lengths)

Refer to your price list or contact Stoody Customer Service for specific packaging of your designated product.

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WORLD HEADQUARTERS: 101 S. Hanley Road
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U.S. CUSTOMER SERVICE:

5557 Nashville Road
Bowling Green, KY 42101
800-227-9333 • FAX 800-243-4322

International Offices

International Customer Service
Oakville, Ontario, Canada
Ph: (1) 905-827-9777
Fax: (1) 905-827-9797

Thermadyne Canada
Oakville, Ontario Canada
Ph: (1) 905-827-1111
Fax: (1) 905-827-3648

Thermadyne UK
Chorley, England
Ph: (44) 1257-261755
Fax: (44) 1257-224800

Thermadyne Asia Sdn. Bhd.
Kuala Lumpur, Malaysia
Ph: (603) 6092-2988
Fax: (603) 6092-1085

Cigweld Australia
Melbourne, Australia
Ph: (61) 3-9474-7400
Fax: (61) 3-9474-7510

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Fax: (27) 11-917-8580

Thermadyne Victor Brasil
Rio de Janeiro, Brazil
Ph: (55) 21-2-485-8990
Fax: (55) 21-2-485-8735

Thermadyne Middle East
Dubai, United Arab Emirates
Ph: (971) 4-332-9060
Fax: (971) 4-332-5484

Thermadyne de Mexico
Mexico City, Mexico
Ph: (52) 55-5696-7407
Fax: (52) 55-5696-7757

Thermadyne Japan
Osaka, Japan
Ph: (81) 6-4809-8411
Fax: (81) 6-4809-8412

Thermadyne Europe
Milan, Italy
Ph: (39) 039-204-991
Fax: (39) 039-204-9922

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With over 75 years of experience, Stoody Company has developed thousands of unique alloys for demanding applications. However, there are a select few that continue to be the company's premier products.

In addition to the selection chart, make sure you check these **“five simple steps of selecting hardfacing.”**

- 1. Identify the mode of wear**
- 2. Identify the base material**
- 3. Select the Signature Product**
- 4. Select the process**
- 5. Select the diameter and package**

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