

2017-2018

Malcolm G. Stevens, Inc.

*12 Progress Ave,
Tyngsboro, MA 01879
(978)-649-0112*

FOUNDRY EQUIPMENT SUPPLIES

CATALOG



website : www.mgstevens.com

WE HAVE WHAT YOU NEED

- ***FOUNDRY SUPPLIES***
- ***DIE CAST SUPPLIES***
- ***PATTERN & MACHINE SHOP SUPPLIES***
- ***ART & SCULPTURE SUPPLIES***
- ***SAFETY EQUIPMENT & SUPPLIES***

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- SAFETY PRODUCTS - PLEASE REQUEST SAFETY CATALOG
- PLACE AND ORDER BY FAX, E-MAIL OR CALL
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- MAJORITY OF ORDERS DELIVERED NEXT DAY
- VISA & MASTERCARD ACCEPTED

MALCOLM G. STEVENS, INC.

THE FOUNDRY SUPPLIER

For more than 70 years, Malcolm G. Stevens, Inc. has been New England’s leading provider of supplies critical to the functionality of foundries as well as others in the die cast and machine shop industries. Originally established in Arlington, Massachusetts, in 1945, Malcolm G. Stevens moved to Tyngsboro in 2000 where it maintains some 37,000 square-feet of service capacity, all complemented by an unparalleled array of inventoried goods to rapidly accommodate any need of industry. M.G. Stevens outperforms all and is distinguished for having the region’s largest stock supply of crucibles. Beyond its ability to fulfill supply needs, Malcolm G. Stevens’ success has been prompted by its approach to service. Competitive pricing, convenient credit terms and reliable, timely delivery of customer orders add to our capabilities. More than 95% of customer orders are processed within a two-day turnaround, and in terms of order fulfillment, the company maintains an accuracy rate just shy of 100 percent. A third-generation family-owned business, Malcolm G. Stevens is driven by family values of accountability, integrity and respect, and those values undergird all interactions with customers. After 70 years of operation, its associates maintain a first-name basis with customers as well as an awareness of their respective enterprise, enabling Malcolm G. Stevens to not only anticipate needs, but better ensure their ability to reliably respond to customer requirements. Old fashion values, modern innovations in technology and the industry’s widest inventory of resources position us as the most efficient and effective master supplier to the masters in metal-craft.

OUR COMMITMENT

Malcolm G. Stevens, Inc. is committed to provide quality supplies, for a great price, & reduce shipping cost. We are a reliable one stop shopping center. We eliminate long lead times to improve your production. We save you money by reducing numerous shipping cost from various manufacturers. We save you time with placing your order for next day delivery. We value our customers and are committed to their satisfaction of service we are here to provide.



FURNACES

Malcolm G. Stevens, Inc. offers the sale of furnaces to your specifications. We will provide the information that your company needs to find the correct furnace for your needs. We strive to help smaller companies be treated with as much attention as the larger companies. We distribute from several manufactures and can help you compare which manufacturer will deliver the best furnace for your company's specific needs.



Furnaces

E4-0 Electric Bench Top Melting Furnace - temperatures to 2150 F., 120 volt, single phase

Electric Melting Furnace - top loading. Designed to handle a # 4 crucible - maximum capacity of 2 1/2 lbs. Brass, 3/4 lb. Aluminum. 1/16th DIN Digital control instrument, replaceable heating panels. Rated at 1 1/2 Kw, available in 120 volt, single phase only. Will melt most non-ferrous and precious metals.



Furnaces

EM-810 Electric Bench Top Melting Furnace - temperatures to 2050 F., 240 volt, single phase

High Temperature Electric Melting Furnace with 8 to 10 lb. capacity of aluminum, 24 to 30 lb. capacity of brass, Digital Control Instrument, 2050° F maximum temp., 5 Kw, 240 Volt, Single Phase, 60 hz. Approx. Wt.225#



Furnaces

EM-46 Electric Bench Top Melting Furnace - temperatures to 2050 F., 240 volt, single phase

High Temperature Electric Melting Furnace with 4 to 6 lb. capacity of aluminum, 12 to 18 lb. capacity of brass, Digital Control Instrument, 2050° F maximum temp., 5Kw, 240 Volt, Single Phase, 60 hz. Approx. Wt. 205#



Furnaces

HTE-46 Bench Model Heat Treat Furnace - 400 to 2200 F

Drop down door style with 4" high by 6" wide opening. Chamber is 9" deep. Replaceable heating elements. Furnace is controlled by a 1/16th DIN, digital control instrument. Furnace is rated at 2 Kw and is available in 120 volt, single phase only.



Furnaces

HTE-88 Bench Model Heat Treat Furnace - 400 to 2200 F., 240 volt, single phase

Swing out door style with 10"W x 10"H x 16"D chamber with 6" high by 8" wide opening. Replaceable heating elements. Furnace is controlled by a 1/4 DIN, digital control instrument, housed in a separate enclosure. Furnace is rated at 5 Kw and is available in 240 volt, single phase only.



Furnaces

Combination Melting and Dip-Out Furnaces

Models DO-300, DO-600, DO-1000, DO-1500 & DO-2000, Larger capacities available for cast iron pots in stationary or hydraulically tilted styles - gas or oil fired.

Aluminum: up to 7,500 lbs.

Zinc or Kirksite: up to 20,000 lbs.

Lead: up to 30,000 lbs.



Furnaces

Oil-Fired Melting Furnaces

Tilting: T-80-OF, T-200-HT-OF, T-600-HT-OF, T-1000-HT-OF, T-2500-HT-OF Stationary: B-702-OF, B-1501-OF

Dip-Out: DO-300A-OF, DO-600A-OF, DO-1000A-OF Larger capacities available for cast iron pots in stationary or hydraulically tilted styles - gas or oil fired.

Aluminum: up to 7,500 lbs.

Zinc or Kirksite: up to 20,000 lbs.

Lead: up to 30,000 lbs.



Furnaces

Various types of Melting Furnaces including stationary models, and tilting crucible with hydraulic assisted tilt on larger models for crucibles and cast iron pots. Capacities range from 1/2 lb. of aluminum in our small table top models to 20,000 lbs. of zinc or kirkbsite, and 60,000 lbs. of lead in our largest models. **Malcolm G. Stevens, Inc. distributes from several manufactures to ensure we can offer our customers the furnace they need for their company with the cost that is right. Please call today to request a quote.**



Furnaces

C-SERIES MELTERS Pot and Crucible Furnace soft metal melters
 MODELS C-10 AND C-20 Capacities: 10 LBS. to 20 LBS. ALUMINUM
 30 LBS. to 60 LBS. YELLOW BRASS



Furnaces

Oil-Fired Melting Furnaces

Tilting: T-80-OF, T-200-HT-OF, T-600-HT-OF, T-1000-HT-OF, T-2500-HT-OF

Stationary: B-702-OF, B-1501-OF

Dip-Out: DO-300A-OF, DO-600A-OF, DO-1000A-OF Larger capacities available for cast iron pots in stationary or hydraulically tilted styles - gas or oil fired.

Aluminum: up to 7,500 lbs.

Zinc or Kirkbsite: up to 20,000 lbs.

Lead: up to 30,000 lbs.



Furnaces

Mobile Dip Out Furnaces

250Lbs. Up to 3000Lbs with melt rates in excess of 650 Lbs . Per hour. 3 Phase industrial duty disconnect unplug and relocate when necessary. For more details please contact us.



TF-Series Hydraulic tilt Electric Furnace

Reduces hydrogen porosity, inclusions, and metal contamination. The undisturbed bath with limited surface area and the elimination of combustion by products greatly reduce dross formation assuring metal loss of less than 1% De-gassing time and expanse are dramatically reduced and costly exhaust systems eliminated. Solid state power control assures max melting power. Shipped ready for operation,



Furnace

GS-Series Solid State Gas Fired Dip-Out Furnace

High efficiency combustion burner systems, IRI type fuel train includes UL listed and approved gas pressure switches, dual gas blocking valves, a zero governor proportional control valve, high efficiency burner, fully proportional control valve with drive motor for automatic energy efficient operation, a pilot by-pass system with automatic solenoid valve and long life flame rod, pre-plumbed and wired, shipped ready for operation. For more information please call Malcolm G. Stevens, Inc.



RS-Series Rolled Steel Shell Electric Furnace

Auto/Manual switch, 7 day timer, LED display, Pneumatic Furnace lid with hand/foot valve, ground fault system and integral over-current protection circuit breaker, metal leak detector system. Immersion thermocouple and solid state controller automatically adjusts metal temperatures. Energy efficient, Transportable "Plug In" option available. Heavy duty self-supporting power panels in a completely uniform cylindrical heating chamber, micro-processor based temperature control, multi-layered insulating system.



Furnaces

Not only can Malcolm G. Stevens, Inc. provide you the correct furnace we can also keep you supplied with all the crucibles you will need. Eliminate down time, place your blanket order today. We can supply your foundry with anything you need to keep it running smoothly. **Malcolm G. Stevens, Inc. distributes from several manufactures to ensure we can offer our customers the furnace they need for their company with the cost that is right for them. Please call today to request a quote.**



Furnaces

Aluminum Cyclone Furnace Solid State Gas Fired Melting Furnace was designed for both continuous and batch melting aluminum operations as a durable refractory line furnace that eliminates the use of crucibles by using a dry hearth charging chamber.

TL-Series Electric Melting Transport Ladle

Aluminum melting Transport Ladles are available for use with electric and gas energy sources. Product combines the features of a transfer ladle with the full melting capability of our standard furnaces in a single unit. Melt, Hold and pour quality aluminum directly with no intermediate transfer, Power control assures maximum melting power and efficiency utilizing only the exact amount of energy required to achieve and maintain precise temperature control. No maintenance prone on-off mechanical contractors or high-low burner control.



Cements available for any application

If you do not find what you are looking for below, contact us we will bring it into stock for your next delivery

Cements - Patching

Malcolm G. Stevens Inc. carries cement in stock for various applications. We have patching cement for furnace linings for ferrous and non ferrous applications, available in 55 lb Pails or pallet loads. Call us today for specific information. If we don't have the type you are in search of we will order it and keep it in stock for your next purchase. Phosphate Bonded Refractory plastic

Cements - Ramming

Mullite based dry ramming refractory composition formulated for use as back-up material for induction crucibles. Sold in 55 lb bags. Other types such as silicon carbide base of ramming cement for lining and patching crucibles and open flame furnaces also available in 55 lb bags

Powder Induction back up cements

magnesia-based product designed to be used as a back-up for lining coreless induction furnaces melting all grades of steel and alloys at high temperatures. This product is installed by means of mechanical vibrations. A pure magnesium oxide mix which contains no additives or sintering agents. This results in a refractory that has the highest temp. cap. Among all of the manufactured for induction furnaces applications. 55 LB bags.

Silicon Carbide Bonded Cement

High quality carbonaceous refractory cement. Used to join refractory components to crucible products. Silicon carbide based, which accounts for its excellent thermal shock resistance. Contains the glass former B₂O₃ which reacts with the internal glaze in most crucibles. It also forms a glassy phase in fired cements to increase the chemical resistivity and decrease metal penetration. Sold in 50Lb Bags

Lab Metal Repair and patching compound

Used as a filler for castings. The dent filler withstands temperature up to 350°F or one-time exposures up to 425°F

Cement Foundry

Numerous other cements are available. Please contact Malcolm G. Stevens, Inc. today to specify your needs and applications and we will help find you the cement that is best suitable for your needs.

Refractory Foundry

Numerous other cements available for refractory. If we do not have the item listed please call us to find out if we have it in stock. Malcolm G. Stevens, Inc has such a vast assortment of stock it is impossible to list everything.

INSULATING MATERIALS

Blankets, Curtains, Mats, Boards, Paper & Felt

Blankets & Mats

- Furnace, Kiln, Reformer & Boiler linings
- Investment casting mold wrappings
- Furnace door linings & seals
- Forge furnaces & refractory kilns
- Insulation for gas turbines & jet engines

Boards

- Infrared element supports
- Heating elements support brackets
- Trough & insulation linings for conveying molten metals
- Heat shields for personal protection
- Industrial heat shields & thermal barriers

Paper & Felts (Steel and Nonferrous)

- Investment casting mold wrappings
- Ladle refractory backup
- Tube couple protection

INQUIRE ABOUT : Great Prices!

8 1 X 24 X 25 INSWOOL HP 50 SQ FT ROLL CERAMIC FIBER SPUN BLANKET

970 1/8 X 24 X 10 FIBER FRAX PAPER 100 SQ FT ROLL ALSO AVAIL IN 250 SQ FT ROLL

4 1 X 24 X 300 BLANKET

CRUCIBLES



DESCRIPTION:

Silicon Carbide Crucibles - are constructed of high quality tar-bonded silicon carbide . They are available in a wide variety of shapes and sizes and pouring lips if needed. Glazes are available for most non-ferrous application and in high and low temperature varieties.

PERFORMANCE SPECIFICATION:

Isostatic pressed crucibles will reduce energy cost and extend crucible life. Typical metal casting temperatures between 1300°F—2200°F

PERFORMANCE CHARACTERISTICS

- High compactness and thermal conductivity, Good thermal shock resistance.
- Increased density, increased strength
- Low Porosity with very small pore diameters, this increases resistance to slag erosion to a very high degree
- High mechanical strength

APPLICATION

Crucibles are available for gas-fired, electric, induction and oil fired furnaces. Malcolm G Stevens has both lines of the leading manufacturers of crucibles in the country. Silicon Carbide Crucibles are excellent for melting aluminum, copper, copper alloy and precious metals such as silver, gold and platinum.

A wide range of pouring lips are available also.

CRUCIBLES



DESCRIPTION:

Clay Graphite Crucibles ceramic bonded clay graphite crucible manufactured to provide controlled graphite alignment and optimized electrical properties.

Clay Graphite crucibles available in a number of formulations so users can choose the crucible that best suits their application.

APPLICATIONS:

Clay Graphite is used in medium and high frequency induction furnaces. Typically the frequency is between 1 and 3 kHz.

TYPICAL METAL CASTING TEMPERATURE:

1562°F—2912°F • 850°C —1600°C

PERFORMANCE CHARACTERISTICS

- Good electrical resistance
- Good thermal conductivity
- High resistance to chemical corrosion and erosion

PATTERN RANGE

Crucibles are available in a large range of bilge shapes up to size 400 and in cylinders up to size 703.

BASE BLOCKS

Base Blocks, Stands or Pedalstals

Sizes in Stock

3 X 3	8 X 1	10 X 7	13 X 1	15 X 8
3 X 4	8 X 2	10 X 8	13 X 2	15 X 9
3 X 5	8 X 3	10 X 9	13 X 3	15 X 10
3 X 6	8 X 4	10 X 10	13 X 4	15 X 11
3 X 7	8 X 5	10 X 11	13 X 5	15 X 12
3 X 8	8 X 6	11 X 1	13 X 6	15 X 13
3 X 9	8 X 7	11 X 2	13 X 7	15 X 14
3 X 10	8 X 8	11 X 3	13 X 8	15 X 15
6 X 1	8 X 9	11 X 4	13 X 9	16 X 2
6 X 2	8 X 10	11 X 5	13 X 10	16 X 3
6 X 3	9 X 1	11 X 6	14 X 1	16 X 4
6 X 4	9 X 2	11 X 7	14 X 2	16 X 5
6 X 5	9 X 3	11 X 8	14 X 3	18 X 3
6 X 6	9 X 4	11 X 9	14 X 4	18 X 4
6 X 7	9 X 5	11 X 10	14 X 5	18 X 5
6 X 8	9 X 6	11 X 11	14 X 6	18 X 6
6 X 9	9 X 7	12 X 1	14 X 7	20 X 1
7 X 1	9 X 8	12 X 2	14 X 8	20 X 2
7 X 2	9 X 9	12 X 3	14 X 9	20 X 3
7 X 3	9 X 10	12 X 4	14 X 10	20 X 4
7 X 4	9 X 11	12 X 5	15 X 1	20 X 5
7 X 5	10 X 1	12 X 6	15 X 2	20 X 6
7 X 6	10 X 2	12 X 7	15 X 3	20 X 7
7 X 7	10 X 3	12 X 8	15 X 4	20 X 8
7 X 8	10 X 4	12 X 9	15 X 5	20 X 9
7 X 9	10 X 5	12 X 10	15 X 6	20 X 10
7 X 10	10 X 6	12 X 11	15 X 7	

CRUCIBLES



DESCRIPTION: Crucibles

Clay Graphite Crucible	Zircon
Silicon Carbide Crucible	Syncarb
Bilge, Straight wall, all shapes	Hi-Melt
Induction Crucibles	

We have every type of crucible in stock and waiting for you. We supply multiple product lines from a range of the leading manufactures.

Call us today and supply us with your furnace type, holding or melting, application, bath /chamber temp, high/low fire, alloys and fluxing practice and we will supply you with the crucible that is specifically tailored for your application.

Many shapes, styles and sizes in stock in Tyngsboro, MA. For immediate shipment.

Why deal with long lead times? Save money on shipping, order all your foundry supplies from Malcolm G. Stevens, Inc. Call us today to inquire about the availability and pricing on the crucibles you are currently using.

We will be able to save you money and valuable time. Buy your foundry products from us. We have the contacts and the knowledge to always have your products available when you need them.

TONGS, SKIMMERS, SCRAPERS, CRUCIBLE LIFTERS, ASSAY TONGS, MADE TO ORDER

Items below can be designed in lengths and widths, to better suit your needs

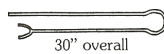
STANDARD TONGS

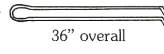
- 5/8 x 40 x 4 clamp # 23
- 3/4 x 40 x 4 clamp #23
- 1/5 x 40 x 3 1/4 clamp # 27
- 1/2 x 23 x 13/4 clamp # 28
- 1/2 x 30 x 1 clamp # 37
- 1/2 x 30 x 5/8 clamp # 47
- 1/2 x 20 x 0 clamp# 49
- 1/2 x 20 x 0 Box Tongs # 49
- 1/2 x 24 x 0 Stock Tongs # 50

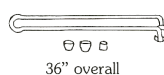
ASSAY TONGS


- #2A Scorifier Tongs variations available to hold more then one size.
- # 3A Standard Cupel Tongs 36" Overall
- # 4A Martell's Sure-Grip Cupel Tongs
- # 5A Sample Tongs Rings cradles sampling crucible.
- # 6A Vertical Lift Tongs removal of samples From furnace 24" overall


ASSAY TONGS

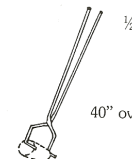
#2A Scorifier Tongs
Variations available to hold more than one size.
 30" overall

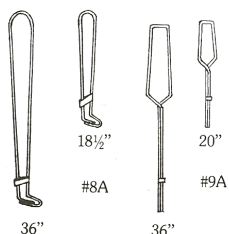
#3A Standard Cupel Tongs
 36" overall

#4A Martell's Sure-Grip Cupel Tongs. Fit several cupel sizes.. Prevent pivoting.
 36" overall

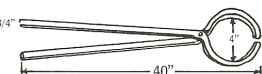
#5A Sample Tongs
Ring cradles sampling crucible. 36" and 48" overall.


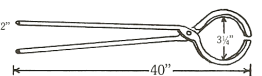
#6A Vertical Lift Tongs (left)
For vertical removal of samples from furnaces. 24" overall
 1/2"

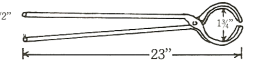
#7A Sample Tongs
For avoiding metal contact
 1/2" 40" overall

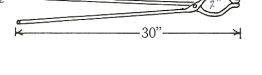
Pin Sampling Tongs
For holding glass evacuated sampling tubes. Longer lengths available to enable direct furnace sampling.
 18 1/2" 20" 36" 36"

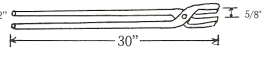
STANDARD TONGS

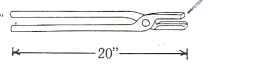
5/8" x 3/4"  #23 40"

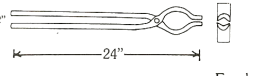
1/2"  #27 40"

1/2"  #28 23"

1/2"  #37 30"

1/2"  #47 30" 5/8"

1/2"  #49 Box Tongs 20"

1/2"  #50 Stock Tongs 24" For holding square or round stock.

Your Design
Please request changes in lengths, widths, and designs to better suit your needs.

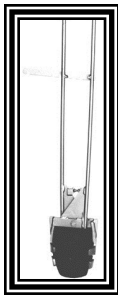
CRUCIBLE LIFTERS

- # 95 Each size lifter is capable of lifting several sizes of crucibles.
- Skimmers
- Pin Sampling Tongs

TONGS, SKIMMERS, SCRAPERS, CRUCIBLE LIFTERS, ASSAY TONGS, MADE TO ORDER

Plain Crucible Tong

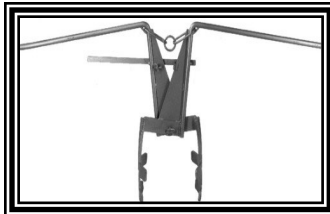
With lifting eye bolt and locking latch bar. All tongs are sized to fit Bilge Crucibles



<u>Part Number</u>	<u>Tong Number</u>	<u>Crucible Size</u>	<u>Approx. Wt</u>
030510	10P	10	19 lbs
030520	16P	16	20 lbs
030530	20P	20	22 lbs
030540	30P	30	28 lbs
030550	40P	40	36 lbs
030560	50P	50	43 lbs

Bent Handle Crucible Tong

Bent handles for two man handling. Handle bent 90°, rings furnished to engage hoist.



<u>Part No.</u>	<u>Tong No.</u>	<u>Crucible Size</u>	<u>Aprox. Wt.</u>	<u>Part No</u>	<u>Tong No.</u>	<u>Crucible size</u>	<u>Approx. Wt.</u>
030495	4-0000	#4-0/#p-3	2 lbs	030650	50B	50	45 lbs
030600	10B	10	19 lbs	030660	670B	60 thru 70	58 lbs
030610	16B	16	20 lbs	030670	890B	80 thru 90	78 lbs
030620	20B	20	22 lbs	030680	1025B	100 thru 125	95 lbs
030630	30 B	30	28 lbs	030690	150 B	150	105 lbs
030640	40 B	40	38 lbs				

Other sizes and types available please call for more specific information.

POURING LADLES FOR ALUMINUM, MAGNESIUM, ZINC AND LEAD

One Piece construction, No seams, cracks or leaks. All items stocked in Tyngsboro, MA.

POURING LADLES

MODEL#	DIAMETER	DEPTH	CAPACITY
6425	6"	4 1/2"	5 lb.
6575	6"	5 3/4"	10 lb.
4575	8"	4 3/4"	11 1/2 lb.
8600	8"	6"	15 lb.
8700	8"	7"	20 lb.
8800	8"	8"	25 lb.
1080	10"	8"	34 lb.

BOLT ON HANDLES

MODEL	LENGTH	WEIGHT
3000	30"	Call
3600	36"	2 lb. 9 oz.
4200	42"	2 lb. 14 oz.

Extend the life of your ladles with a ladle coating. Many types are available in stock.

SKIMMERS

MODEL	DIAMETER	HOLES
3075	3 3/4"	7/32
7000	7"	3/8

LADLES USED BY THE LEADING DIE CASTING COMPANIES



Stainless steel	Mild Steel	Bowl Dia	Bowl Dept	Handle Length	Liquid Oz.	Cubic In.	Alum #
SS-2	M-2	2"	1.25	13"	1.5	2.98	.25
SS-2.5	M2.5	2.5	1.5	15"	3	5.31	.50
SS-3	M-3	3	1.75	15	5	8.83	.75
SS-3.5	M-3.5	3.5	2.88	15	7	11.23	1.0
SS-4.5	M -4	4	23/8	17	10.5	17.32	1.75
SS-4	M-4.5*	4.5	2.5/8	17	16	25.78	2.25
SS-5	M-5*	5	2.7/8	17	19.5	40.08	3.75
SS-6	M-6	6	3.25	20	31	67.15	6.25
SS-6h	M-6H	6	3.25	25	31	67.15	6.25
SS-8	M-8	8	4.3/8	36	79	153.0	14.75
	M-8**	8	6	36			
	M-8*	8	8	Bowl only			

Malcolm G. Stevens, Inc. distributes from more than three Manufacturers' of Ladles, Bowls, Skimmers, Handles & Liners. We have what you are looking for, at the best price possible.



- Stainless Steel: Spunrite Conical Ladles w/ Handles:
- Deep Dish Skimmers
- Mild Steel with stub handle
- Stainless Steel with stub handle
- Bolt-on and go handles

FIBER DIP LADLES & LINERS

Dip Ladles are double lipped & wire reinforced, for use in all metal types. The rigid composition is used for maximum service temperature & strength. They are available in the following sizes and capacities (at 80% full). These thermally efficient ladles offer an economical method to transfer molten metal. Durable to use over & lightweight.

<u>DIP LADLE</u>	<u>SIZE</u>	<u>ALUM.</u>	<u>BRASS</u>	<u>COPPER</u>	<u>IRON</u>	<u>STEEL</u>
DL-2	2tix2bix2h	0.5 Lb.	1.5 Lb.	1.5 Lb.	1.3 Lb.	1.4 Lb.
DL-3	3.25tix2bix3.5h	1.5Lb.	4.5 Lb.	4.4 Lb.	3.9 Lb.	4 Lb.
DL-5	5.12tix4bix5h	6.4 Lb.	20.4 Lb.	19 Lb.	17 Lb.	18 Lb.
DL-6	5.12tix4bix6.5h	8.3 Lb.	26.6 Lb.	25 Lb.	23 Lb.	23.4 Lb.
DL-7	9.5tix7bix7h	29Lb.	93.1 Lb.	87 Lb.	78 Lb.	84 Lb.

LADLES

<u>LADLE</u>	<u>T. ID</u>	<u>B. ID</u>	<u>H</u>	<u>AL</u>	<u>IRON</u>	<u>STEEL</u>	<u>COPP</u>	<u>BRA</u>	<u>VOL</u>
204	7.25	5.00	4.25	10	26	29	30	32	127
012	5.50	4.50	6.50	10	27	30	31	33	128
411	8.25	7.50	8.00	31	81	90	94	100	390
310	8.00	7.00	9.25	33	85	95	98	105	409
402	7.50	7.50	10.50	37	96	108	111	119	464
457	8.50	7.00	10.75	41	106	118	122	130	509
458	8.50	7.00	10.75	41	106	118	122	130	509
459	8.50	7.00	10.75	41	106	118	122	130	509
410	8.50	7.50	10.25	41	107	120	124	132	516
409	11.50	9.50	11.75	82	212	237	245	261	1021
406	12.00	10.50	11.50	92	238	266	275	293	1145
701	13.50	12.00	15.50	159	412	460	476	507	1981
702	14.50	12.50	16.00	184	477	532	551	587	2294
703	16.25	14.50	17.75	264	686	765	792	845	3299
706	16.25	14.50	17.75	264	686	765	792	845	3299
710	16.38	14.00	18.50	269	699	779	806	860	3358
450	24.00	20.00	30.00	915	2379	2653	2744	2927	11435

We also Carry:

Large Tonnage Bottom Pour Ladles

Fork Truck Distribution Nose-Tilt Pouring Units

Hydraulic Battery Powered Nose-Tilt Pouring Units

Hydraulic Powered Nose-Tilt Ladles

Stationary Processing Nose-Tilt Ladle & Stand

Cold Metal Return Ladle Skips

Large Teapot Spout Ladle

Stationary Nose-Tilt Dispensing Units

Natural Gas Ladle Refractory Pre-Heater

HDC Pouring Device with Pouring Ladles

Motorized Distribution Ladles

Trolley Ladles

Heavy Duty Geared ladles

Teapot Spout Ladles

Tapered ladles

Tapered Ladles (covered)

U-Shaped Fore hearth Ladles

Geared Reservoir Ladles

Precision Bottom Pour

Ductile Iron Ladles

Clam Shell Charging Buckets

LADLE LINERS

<u>LIP</u>		<u>TOP DIA.</u>		<u>BOT DIA.</u>		<u>IN</u>	<u>OUT</u>	<u>Cu. IN</u>
		<u>IN</u>	<u>OUT</u>	<u>IN</u>	<u>OUT</u>			
N/A	SBC	7.5	8.5	5.75	6.75	9 3/8	9.75	323
N/A	BC	8.25	9.5	5	5.5	7	7.5	0
1	S150	10	11.75	8	9.75	11.25	12	715
1	S300	12	14	10	11.5	14.25	15	1353
2	ACCU	9.75	11.75	9.75	11.75	14.75	16	1111
N/A	S400	12.5	14.5	10.25	12	16.5	17.5	1675
1	S250	16.25	19.25	14	17.5	17.5	18.5	3142
1	S200	17.75	20.25	15.25	17.75	19.25	20.5	4114
1	S500	21.5	24	19.5	21.5	23.5	24.5	7752

STEEL LADLES

Ladles are formed from 10 gal. steel rolled, deep drawn to give that extra capacity not found in other Ladles. Round ladles with fast-pour lips on each side are deep drawn and annealed to eliminate internal stresses. They are used mainly for Die Castings Companies

<u>STAIN</u>	<u>MILD</u>	<u>BOWL</u>	<u>BOWL</u>		<u>NET</u>	<u>LIQUID</u>	<u>CUBIC</u>	
<u>STEEL</u>	<u>STEEL</u>	<u>DIA.</u>	<u>DEPTH</u>	<u>Handle</u>	<u>WT.</u>	<u>OZ.</u>	<u>IN.</u>	<u>Alum</u>
SS-2	M-2	2"	1 1/4"	13"	12 oz.	1 1/2	2 .98	.25
SS-2 1/2	M-2.5	2. 1/2"	1 1/2"	15"	15 oz/	3	5.31	.50
SS-3	M-3	3"	1 3/4"	15"	1Lb 4oz.	5	8.83	.75
SS-3 1/2	M 3.5	3 1/2"	2 1/8"	15"	1Lb 7oz.	7	11.23	1.0
SS-4	M-4	4"	2 3/8"	17"	1Lb 10 oz.	10 1/2	17.32	1.75
SS-4 1/2	M-4.5	4 1/2"	2 5/8"	17"	2Lb 5 oz.	16	25. 78	2.25
SS-5	M-5	5"	2 7/8"	17"	2Lb 11 oz	19 1/2	40.08	3.75
SS-6	M-6	6"	3 1/4"	20"	3Lb 11 oz.	31	67.15	6.25
SS-6H	M-6h	6"	3 1/4"	25"	4 Lb.	31	67.15	6.25
SS-8	M-8	8"	4 3/8"	36"	9 1/2 Lb.	79	153	14.75

LADLE WASH COATINGS

BORON NITRIDE LUBRICOAT: *Totally Non-Wetted by Molten Aluminum, Magnesium and their drosses. Protects Ceramics, Metals and Graphite. Applied like a house paint and acts like Teflon to Molten Metal. It's safe, Water-Based, No VOC's. Ideal uses: Permanent Molds, Auto Pour Ladles, Trough & Tubes, Funnels & Spouts, Ingot Mold Release, Furnaces, Fixtures & Molds.*

Qty 1 gal

BORON NITRIDE LADLEWASH HARDCOAT: *This wash coating is a water-based mixture for Non-Ferrous Molten Metal applications.. It is safe, and easy to use, and is designed to give superior hardness and abrasion resistance for maximum lifetime protection. This wash is a paintable protective coating that may be applied to ladles, skimmers, thermocouple tubes or any metal, ceramic or graphite surface to prevent nonferrous molten metal reaction and attack.*

Qty 1 gal

MICAWASH #15: *For use with water. This mica wash was developed for the aluminum foundry industry as a ladle and/or skimmer wash to prevent iron pick-up or impregnation and to lengthen the product life.*

Qty 1 or 5 gal

STAHLCOAT LUBRICATING MOLD COATING: *This coating is a semi-colloidal dispersion of graphite in a water-sodium silicate base, forming a continuous and smooth film with extra-long wear life and good high temperature wetting properties. It is particularly successful for aluminum metal castings applications, serving as a versatile and economical mold wash. Available in either a Pre-mix or Concentrate.*

Qty 1 or 5 gal

STAHLCOAT WEAR-LIFE MOLD COATING: *This coating contains refractory and lubricating components in a water sodium silicate base and is used primarily as an aluminum permanent mold coating. Specifically designed for those jobs where wear or extended life of coating is desired. Available in Pre-mix or a Concentrate.*

Qty 1 or 5 gal

STAHLCOAT INSULATING MOLD COATING: *This coating contains refractory pigments in a water sodium silicate base and is used primarily as an aluminum permanent mold coating and functions as an insulator for controlled progressive solidification of the molten metal. The solidification rate can, therefore, be properly controlled to ensure high quality castings at high production rates. Available in a Pre-mix or Concentrate.*

Qty 1 or 5 Gal

RED-KOTE INSULATING POWDER: *This is an economical coating widely used in the non-ferrous metal industry for mold, ladle and other equipment protection. This coating has an indefinite shelf-life if kept dry. It is non-flammable and may in fact be used to extinguish fires.*

Qty 50 Lb. bags

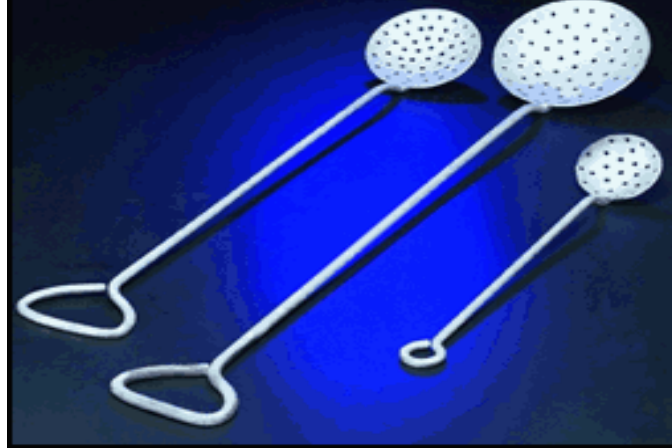
SPURNRITECONICAL LADLES STAINLESS STEEL WITH HANDLES

Single & Double lip available. More of a cone shape than round. Stainless Steel.



<u>PART #</u>	<u>CAPACITY</u>
SP .25-SS	.25 Lb.
SP .5-SS	.50 Lb.
SP .75-SS	.75 Lb.
SP 1-SS	1.00 Lb.
SP 1.25-SS	1.25 Lb.
SP 1.5-SS	1.50 Lb.
SP 1.75-SS	1.75 Lb.
SP 2-SS	2.00 Lb.
SP 2.5-SS	2.50 Lb.
SP 3-SS	3.00 Lb.
SP 3.5-SS	3.50 Lb.
SP 4-SS	4.00 Lb.
SP 5-SS	5.00 Lb.
SP 6-SS	6.00 Lb.
SP 7-SS	7.00 Lb.
SP 8-SS	8.00 Lb.
SP 9-SS	9.00 Lb.
SP 10-SS	10.00 Lb.
SP-11-SS	11.00 Lb.
SP 12-SS	12.00 Lb.
SP 15-SS	15.00 Lb.
SP-20-SS	20.00Lb

SKIMMERS

**SKIMMERS—MILD STEEL WITH STUB**

<u>PART #</u>	<u>SIZES</u>	<u>PRICE</u>
SK-6-S	6"	\$ 15.25
SK-8S	8"	\$ 17.50
SK-10-S	10"	\$ 21.75
SK-12-S	12"	\$ 23.25

SKIMMERS—STAINLESS STEEL WITH STUB

<u>PART #</u>	<u>SIZES</u>	<u>PRICE</u>
4-SS w/Handle	4"	Call
SK-6-SS	6"	Call
SK-8-SS	8"	Call
SK-10-SS	10'	Call
SK-12-SS	12"	Call

DEEP DISH SKIMMERS (DSK)

<u>PART #</u>	<u>SIZES</u>
DSK-8-S	8
DSK-12-S	12
DSK-16-SS	16

GLOVES, MITTS & HAND PADS



Many styles and lengths in various materials can be specialized to meet your needs. Sold left only, right only, or by the pair. Flame Resistant, Radiant Heat Reflective, Cut Resistant, Abrasion Resistant & Molten Metal Splash Resistant, we offer **gloves, mitts, coveralls, jackets, pants, chaps, hoods, arm guards, sleeves and shoes/boots**. We have all the safety apparel to cover your employees head to toe and offer effective protection that is OSHA approved. Our line of Safety Products is so large please request the safety catalog for more information



ACK SC 13902-14 F

Aluminized Back Glove

19 oz. Aluminized CARBON/KEVLAR® 15 oz also avail.

3.5 oz/ special tanned split heat resistant leather palm

14" length, 11 oz. knitted wool lining

Wing thumb, gun cut style

KEVLAR® thread sewn

Aprons	Electrical ARC	Head Protection	Safety Glasses
Arm Guards	Foot Protection	Caps	Woman's Styles
Bag/ Case	Glass Handlers	Hoods	Spats
Bibs	Gloves	Shrouds	Welders Apparel
Boots	Mitts	Visors	Suspenders
Chaps	Glove Protection	Face Shields	Safety Cones
Coats/ Jackets	Hand Guards	Hard Caps	Shirts
Coveralls	Hand Protection	Lens	Finger Guards
Trauma Guards	Hand Pads	Respirators	Hard Hats

GLOVES, MITTS & HAND PADS

**ARL TH 210-14 F**

Aluminized High Heat Glove
 15 oz. Aluminized rayon
 22 oz/ Thermonol palm
 11 oz. wool lining
 14" length
 Clute cut, set in thumb style
 KEVLAR® thread sewn

**ATH 210-14 F**

Aluminized High Heat Glove
 22 oz. Aluminized thermonol
 11 oz. wool lining
 14" length
 Clute cut, set in thumb style
 KEVLAR® thread sewn

**ATH 210-18 F**

Aluminized High Heat Glove
 22 oz. Aluminized thermonol
 11 oz. wool lining
 18" length
 Clute cut, set in thumb style
 KEVLAR® thread sewn

**ATH TH 210-14 F**

Aluminized High Heat Glove
 22 oz. Aluminized thermonol
 11 oz. wool lining
 14" length
 Clute cut, set in thumb style
 KEVLAR® thread sewn

GLOVES, MITTS & HAND PADS

**GL 210-11F**

Glass Cloth High Heat Gloves
32 oz Glass cloth
11 oz. wool lining
11", 14", 18", 23" length
available
Clute cut, set thumb style
KEVLAR® thread sewn

**KV5X 8967-4 HFX**

Kevlar High Heat Gloves
20 oz Terry -cloth
KEVLAR®
11 oz. wool inside palm patch
Full 11 oz. wool lining
12" Length
Clute cut, set thumb style
KEVLAR® thread sewn

**GL 225-14 F**

Glass Cloth High Heat Gloves
32 oz Glass cloth
11 oz. wool lining
14" length
3.5 oz Special heat resistant tan split
leather palm finger & thumb
reinforcement
Clute cut, set thumb style
KEVLAR® thread sewn

**TH 210-F**

Thermonol High Heat
Gloves
22 oz Thermonol
11 oz. wool inside palm
patch
11", 14" or 18 "Length
Clute cut, set thumb style
KEVLAR® thread sewn

**TH 211-14 F08**

Thermonol High Heat Gloves
22 oz Thermonol
2-ply Thermonol in palm area 11 oz.
wool lining
14" length
Clute cut, set thumb style
KEVLAR® thread sewn

**TH 220-11F**

Thermonol High Heat Gloves
22 oz. Thermonol
11 oz. wool lining
11" Length
Wing thumb style
KEVLAR® thread sewn

GLOVES, MITTS & HAND PADS



GLP 9001-10 S02
High extreme heat
Close end style
Inner glass palm patch
Reversible
KEVLAR® thread sewn



HHH 25
Hand Pad
3.5 oz Pearl grey split
leather
One piece 7 x 9
Slips on wrist



Mitts
Glass cloth mitts
PBI Mitts
Steel reinforced mitts
Thermonol Mitts
Wire Mesh



GGSA 8197B
Glove Protector
Non Reversible back of the hand
protector
Aluminized outer shell glass cloth
lined
Elastic & Leather straps secure
gloves
6 wide x 7 1/2 long



792 & ACK 792
Glove Protector
Non Reversible back of the
hand protector
Aluminized outer shell
Leather straps secure the
glove
Fits over most welder's
gloves

BENTONITE SOUTHERN & WESTERN

Bentonite is composed essentially of montmorillonite clay, also known as hydrous silicate of alumina. In more simplistic terms, the structure of bentonite is much like a sandwiched deck of cards. When placed in water, these cards or clay platelets shift apart. Bentonite attracts water to its negative face and magnetically holds the water in place. because of this unique characteristic, Bentonite is capable of absorbing 7 to 10 times its own weight in water, and swelling up to 18 times its dry volume

Bentonites is used in many industries as you can see listed below. Malcolm G. Stevens, Inc. always has Western and Southern Bentonite in stock. Please call today for a quote. **Sold in 50lb bags & shrink wrapped pallets.**

FOUNDRY

Bentonite is used by the foundries as a binder. Western Bentonite (sodium) is capable of absorbing 15 times its own water weight while Southern Bentonite (calcium) is used to strengthen castings. The benefits of Bentonite in foundry applications include:

- Fast bond development - high milling efficiency and increased sand throughput
- Wide moisture tolerance - flexible sand control and consistent quality
- Exceptional mouldability - excellent mould integrity and high casting definition
- High swell and wet tensile - exceptional resistance to expansion and hot sand defects
- Excellent thermal stability— high casting quality and low clay usage.

ENVIROMENTAL

Lagoon
landfill
Slurry wall
hydraulic barrier construction

INDUSTRIAL

Asphalt Emulsion
Brick
Cement
Detergent
Organophilic clay

WATER TREATMENT

Clarify natural and industrial waters
Contaminant Removal
Pond Sealing
Water Wells



ALLOYS



Ferro Alloy Chips

FeSi 3/8 x 12 75% Chips

Sold in 3000lb crates

Fe Mag H.C. 3/8 x 12 Chips

Sold in 3000lb crates

Ferro Chrome Fine H.C

Size: 8 Mesh x 0

Sold in 500 LB Drums

Ferro Bricks

FeMn B/3 Briquettes

3lb Bricks 2 lb Manganese

Sold in 3000Lb Crates

FeSi B/4 Briquettes

4Lb Bricks 2lb Silicon

Sold in 3000lb Crates

Inoculants

Chips

Bricks

Ferrosilicon

Ductile Iron Treatment Alloys

3% Magnesium Ferrosilicon

Inco Nickel

Nickel Pellets

F Nickel Shot

Incomag Alloy 4

Briquette Alloy

Silicon

Manganese Silicon Carbide

Copper

Copper Cut Wire Silicon Carbide Metallurgical

FILTERS & STRAINER CORES

SILICA MESH FILTERS These refractory cloth filters are designed to extract dross slag refractory particles, and non-Metallic inclusion from molten metals. Made from specially treated silica fibers, these filters are capable of withstanding pouring temperatures ranging up to 3000°F.

3 Meshes available:

2.0 mm x 2.0 mm , 1.5 mm x 1.5 mm, 1.0 mm x 1.0 mm

Two grades available : SR (Shrunk Rigid) or SS (Shrunk Soft)

MICA STRAINER CORES These strainer cores are available in the following sizes:

1 1/2 x 2 x 88 holes 2 x 2 x 93 holes

2 x 2 x 22 holes 2 x 2 x 148 holes

The following thickness are available:

.004/.008, .006/.010, .008/.012

CERAMIC STRAINER CORES These strainer cores are designed with straight holes (no taper) to eliminate all possibility of breakout during use. Many sizes available from 1 3/4 to 4 1/2 dia, 3/8 to 1/2 thick, 7 to 28 holes per strainer.

SELEE RETICULATED PBA FOAM FILTERS

PBA (PHOSPHATE BONDED ALUMINA) FOAM FILTERS

These filters are refractory, open cell, porous structures composed of high purity alumina. Their reticulated shape provides a deep bed filtration action that thoroughly removes large quantities of impurities without plugging. The economical phosphate bond system is able to withstand significant metallostatic pressure while maintaining efficient filtration. PBA Foam Filters are typically used in pouring boxes for the primary and secondary smelting of aluminum, as well as for aluminum furnace filters.

Cleaner metal, improved fluidity, and enhanced metallurgical properties all result in increased profits for the smelter and the foundry. Less costly alloys may be used to produce given tensile and elongated requirements.

FiberOx PBA filters are available in standard pore sizes of 10 ppi (pores per inch), 20 ppi, 30 ppi, and 40 ppi.

Standard square shapes are available with either a straight edge or 17 degree tapered edge.

FiberOx PBA filters can be ordered with the following gasket materials applied to the edge:

1/8 J paper

1/4 K paper

Expandable gasket

Finer pour sizes available on request

SELEE® RETICULATED FOAM FILTERS

CERAMIC FOAM FILTERS

These filters are fully sintered refractory, open cell, porous ceramic structures composed of zirconia-toughened alumina. They contain no phosphates, clay or chemical binders. These filters are used at in-gates, in runners, in tundishes, and in pouring cups for investment, sand, shell and permanent mold foundry processes. A fine grain reticulated matrix characterized Fiber Ox filters. Uniformly sized spherical pores connect with each other through windows in their walls of about half the pore diameter. The tortuous flow of this structure attract and captures molten slag and other impurities, resulting in superior filtering efficiency compared to other filter styles on the market. In many cases, smaller filters can be used.

These filters have proven to be effective in non-ferrous and iron applications at pouring temperature up to 2800°F.

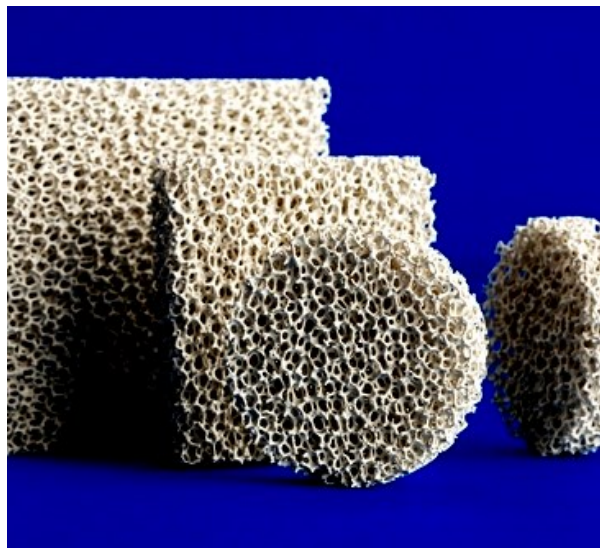
FiberOx filters are available in standard pour sizes of 10 ppi (pores per inch), 15 ppi, 20 ppi and 30 ppi, and in 2 compositions.

T1- economical filter for use in aluminum and magnesium casting.

T2- durable filter for use in copper base and iron casting.

Readily available in a wide assortment of standard squares, rectangles, discs and 22-1/2 degree tapered discs.

Many sizes available.



STEEL SHOT

Chemical Analysis

(SAE J-2175)

Carbon..... .10 - .15 %
 Phosphorous035% MAX
 Manganese..... 1.20 - 1.50 %
 Sulfur..... .035% MAX
 Silicon..... .10 - .25 %

BLENDS Special blends of two or more sizes of Metaltec cast steel shot are available at no extra charge. Pre blended operating mixes for new equipment installations are also available at no extra charge.

MICROSTRUCTURE Intermediate structure a mechanical mixture of Ferrite and Cementite particles. Random feather-like appearance and Accicular with little or no free carbon particles.

GENERAL APPEARANCE The cast steel shot shall be as nearly spherical as is commercially possible with a minimum of elongated or compound particles, tails, hallows, broken pieces, slag and dirt.

HARDNESS Ninety percent of the hardness checks performed on a representative sample shall fall within the range of Rockwell C 40-50. The hardness may be determined by any of the various methods applicable to small sections such as a tukon tester with a Vickers indenter, at loads determined to provide a reliable conversion to Rockwell C

PACKAGING Standard forms of packaging are: 2000 - Lb. drums, banded and palletized, and 50 Lb. - bags, boxed, banded, and palletized. Other special packaging available at extra cost..

SAE SHOT SIZE (J-444)	APPROXIMATE PELLETS PER POUND
S780	17,000
S660	20,000
S550	32,000
S460	55,000
S390	93,000
S330	153,000
S280	250,000
S230	420,000
S170	1,200,000
S110	3,400,000
S70	17,000,000

ALUMINUM OXIDE

Aluminum Oxide (Alox) is a friable, high purity, medium density abrasive. It is designed for general industrial use in operations such as lapping, polishing, refractory coating, decorative non-skid title, and pressure blasting. It is used where a high purity and/or highly friable abrasive is desired

Sold in : 50 lb. Bags
 400 lb. kegs
 2000 lb. bulk sacks

Multiple grits available

CORE OIL

EMULSIFIED CORE BINDERS

523 and 683 **CORE BINDERS** are formulated with water, drying type oils, surfactants, cross-linking resins, hardeners and biocides to produce a stable emulsion used in making sand shapes. 523 and 683 **CORE BINDERS** were developed to meet increasing environmental demands set forth by the Environmental Protection Agency.

Features Direct substitute for core oils, No special or new equipment required for production and no special emission control equipment necessary, Easily pumped from bulk storage, Good sand flowability. No sticking in boxes whether blown or hand rammed, Good collapsibility - excellent sand reclamation, Reduced emissions and smoke, No fire hazard, Optimum baking temperatures are reduced

Typical Product Data (These values are not intended for use in preparing specifications.)

	<u>523</u>	<u>683</u>
Appearance	Light yellow	Tan to yellow
Density (Lbs./Gal.):	8.20	7.84
Viscosity (cps.):	950	2000
Solids (% / wt.):	44-46	56-58
Flash Point:	None	None
Specific Gravity:	0.983	0.94

Application

523 and 683 **CORE BINDERS** are used the same way a conventional or solventless core oil is used. For initial trials it is recommended that the 523 and 683 **CORE BINDERS** be substituted directly into the current sand mix at the same percentage as the core oil. It may be necessary to increase binder levels by 1/2% over conventional core oil. Because the smoke producing solvents have been replaced with water, it may also be necessary to reduce the water content in the sand mix by 1/3 to 1/2.

Generally, the 683 **CORE BINDER** is used when higher strengths are desired and/or if the sand mix contains Bentonite.

Used as a Core Oil Replacement (523 Emulsified Core Binder)

Features elimination of the smoke normally encountered when baking out cores made with conventional core oils. Suggest initially replacing core oil with the same amount of 523 Core Binder. Since the smoke producing solvents in conventional Core Oils have been replaced with water, you may have to reduce the water by 1/3 to 1/2 of that used in the regular oil sand mix.

Kerosene in the sand mix as a release agent is not required.

Do not use Bentonite in the sand mix as soft cores will result.

Baking temperature 350 - 425° F.

Tensile Strength Data

(Percentages are based on sand)

Sand Mix	5040 Wedron Sand
1% Binder	Binder
1% Cereal	Cereal
3% Water	Water
Baking Temperature	400° F

Tensiles (PSI)

<u>Baking Time (Min.)</u>	<u>523</u>	<u>683</u>
30	250	275
45	300	400
60	360	450
75	380	465
90	400	480

BINDERS

ALKALI SILICATE BINDER

No –Bake Binders are very clean and simple to work with. The binder produces no environmental pollutants and is known to be one of the cleanest and safest chemical binders available. Since it is inorganic based binder many casting defects are not seen when used properly. They are ideal for low carbon stainless alloys, because carbon pick-up is minimal. In some aluminum casting applications, silicates can actually shake out better than organic binders. Alkali silicates work well with all specialty sands including zircon, chromite and olivine. They are odor free and give off little or no smoke and fumes. Alkali silicates are not considered a VOC

Grades Available

DEVCO 285- Available in 55 gal drum and also 5 gal pail.

DEVCO 265 - Available in 55 gal drum and also 5 gal pail.

SUPER SET 500FNB RESIN BINDER

Super Set 500 Furan Nobake Resin, is a low nitrogen, low water furan resin that offers a number of features that set it apart from conventional furan resins on the market. The following product features characterize this binder:

- Low Water, Low Nitrogen
- Low Formaldehyde
- Low Viscosity
- High Tensile Strength
- Exceptional Sand Reclaimability

Product Description— Super Set 500 is a thermosetting furan resin that is used in conjunction with an acid catalyst which, when mixed with sand, undergoes a condensation reaction to form a cured polymer. Typically the amount of Super Set 500 resin applied to the sand will range between .08% to 1.2 % resin, based on the weight of the sand. The quantity of acid used in the sand mix is dependent upon the type and strength of the acid, but normally ranges between 20% - 50 % based on weight of the resin.

Typical Physical Properties

Viscosity, cps	40
Water, %	6
Nitrogen, %	1.1
Free Formaldehyde, %	.5

PARTING, RELEASE AGENTS

EZ Slip: EZ Slip is a petroleum based liquid parting agent used in greensand for both manual and automatic molding. EZ Slip is long lasting and has excellent non-wetting properties. Foundries are able to spray three times less often compared to other conventional parting systems, which greatly reduces build up and operating costs. EZ Slip is packaged in 5 gallon pails, and 55 gallon drums.

Non-Sil Dry Parting: Non-Sil Dry parting is a powder material used in greensand molding. The powder is a light weight non silica containing wax that is spread on patterns in both manual and automatic molding. Molders typically use a parting bag to apply the parting dust, which are also available from Kore Mart. Non-Sil Dry Parting is packaged in 400 lbs fiber drums.

Alumapart: Alumapart is a liquid parting used in no-bake, coldbox, sodium silicate, and oil sand molding and core making. Alumapart is fast drying and extremely non-wetting. Alumapart is a highly engineered system that works great, lasts a long time and can be easily applied. Alumapart is packaged in 5 gallon pails and 55 gallon drums.

Kwick Draw Auto Green Sand Release agent: A high flash point liquid specifically designed as an economical green sand release agent. It demonstrates excellent release characteristics with all types of automated molding machines. A single application will last several cycles with out loss of parting efficiency. Offers a ver low cloud pont which results in excellent cold weather properties. 370 lb drum.

TOLUENESULFONIC ACID

Catalyst initiates the reaction of binders to effect the cure; comes in different concentrations to permit a quicker strip and higher tensile strength.

PHYSICAL PROPERTIES:

Clear to yellow, organic, acidic solution

Weight per gallon: 10Lbs.

Low Water content

Specific gravity - 1.22 to 1.24

USES: Used as a catalyst with all kinds of furfural alcohol and no-bake binders

PREPARATION & APPLICATION:

Ready to use

Percent depends upon the sand temperature, moisture in the sand and atmosphere.

ADVANTAGES:

High tensile strength, Low freezing point, Reduces odor level

Sold in qty of 5 gal cans, 55 gal drums and Mini Tanks call for pricing and additional information.

PAN-X-TROL

Pan-X-Trol The Expansion Control Additive is a white, free flowing, organic, non toxic powder for use with all metals & sands. It controls expansion problems in green sand molds.

Eliminates rat-tails, buckles & scabs	Improves flow ability
Stabilizes green sand	Eliminates skin drying of molds
Reduces thermal expansion	Dose not alter sand properties

Because of the bond developed when using Pan-X-Trol, soft ramming is not necessary. Stove plates, name plates, and all large surfaces will show marked improvements. There is no need to change your normal bond additions.

Sold in qty of 50 Lb bags & 2,500Lb pallets.

SEACOAL, WOOD FLOUR, CARBONACCEOUS ADDITIVES

Seacoal grade C-Dustless

Sold in 50Lb bags or in 3,000Lb pallets

Improve collapsibility

SODIUM SILICATE

Core Paste

Ready mixed, uniform at all times	Pasted joints are stronger than core
Light colored, odorless, non-corrosive, non-fermenting	Extra strong, uses 1/3 to 1/5 as much as paste
Dries rapidly at room temperature	Cores may be reheated without damaging
Does not boil or blister	Washes off hands and tools easily

MG STEVENS SAND ADDITIVES, (FORMERLY KNOW AS DIKO II)

ADVANTAGES:

Low Moisture, simple sand formulation, good followability, high toughness, reduce scrap, higher metal fluidity effect, excellent finish and peel, compatible with normal sand practices, effective on all metals, for automatic molding machines. Sold in 55 gal drums Wt. 570 lb drum or 5 gal. pails

Typical Mixture: 100lb 90-90 Silica sand, 6-7 lbs Bentonite, 3 lbs MG Stevens Additive, 1 lb water, on a re-use, Add .3% -.8% MG Stevens Sand Additive, Bentonite and water as needed.

MOLD SEAL

F405 MOLD SEAL

Strong flexible, custom sealant in ready to use 30" lengths. It is an inert non-toxic compound with unlimited shelf-life. Beads maintain their uniform dimensions and never become dry, hard or brittle, F-405 has been especially formulated and engineered to quickly and efficiently seal the parting line between cope and drag, preventing "run outs".

Diameters that are available in ready to use 30" lengths

1/8" 3/16" 1/4" 3/8" 1/2" 5/8" 3/4"

Sold by the carton. Call for pricing and footage per carton.

Note: The metal thickness of inaccessible areas of a mold can be accurately determined by placing a formed ball of f-405 in the spot in question. Close and open the mold. The thickness of the compressed ball will indicate the metal thickness at this point.

CAST IRON TAP OUT CONES (STOPPERS)

Stops the flow of molten metal at the furnace tap hole. Non-Ferrous applications.

9001 C.I. Cone, (drilled & tapped) 2-1/2" B.O.D. X 6-1/2" h

X 3/4" nose

Style "A" C.I. Cone, drilled & Tapped) 3" B.O.D. X 8-1/2 H

X 1" nose.

NIX STIX HC LVOC (MOLD RELEASE)

NixStix HC LVOC is an emulsion that contains a modified dimethylpolysiloxane and is designed as a water reducible mold release for hot pattern processes. NixStix HC LVOC is carried in water and can be diluted with additional water until the desired emulsion concentration is obtained. Dilution ratios as concentrated as a 1 part release agent to 2 parts water and as dilute as 1 part release agent in 24 parts water are reported depending on the complexity of the pattern. It is normal to achieve multiple release after each application.

Product application

NixStix HC LVOC is primarily used for hot patterns processes such as shell, warm box or hot box. Typically it is diluted with two parts water to one part NixStix and spray applied.

Sold in 5 gal pail - weight 40 lbs.

COATINGS

ISOPROPYL ALCOHOL 99.9%

Sold in 5 gal Pails.

LAB METAL

Ready-to-use metal repair putty, dent filler and patching compound. Durable metal filler for fast, permanent repairs. A unique, quality problem-solver! Lab-metal ready-to-use repair compound spreads like paste and hardens quickly into metal.

Aluminum-filled, one-part repair putty. Fills dents and flaws easily and economically. Proven in unlimited applications!



CORE WASHES & CORE COATINGS

ZIRCON

CHROMITE

CERAMIC

GRAPHITE

OLIVINE

SUSPENDING AGENT

DEFOAMERS

MINERAL

Malcolm G Stevens Inc. has numerous different Ceramic, Zircon, Olivine, Chromite, and Graphitic mold and core wash coatings.

Sandcote is a ceramic engineered suspension system with between 7-10 additives to assist with rheology, settling, mixing, and coating. These coatings protect cores and molds from metal penetration and sand burn in at high temperatures thereby lowering production costs and reducing casting cleaning time. We have the ability to provide both alcohol and water based coatings using any combination of the aforementioned refractory media.

The mold and core coatings have been developed for all metals, molding, and core applications. Sandcote refractory coatings and washes are inspected before they enter the field. Sandcote is tested for specific gravity, Baume, and tear dropping. Sandcote is packaged in 5 gallon pails, 55 gallon drums, and 275 gallon tote tanks.

INSULATED RISER SLEEVES & COMPOUNDS

Riser sleeves are available in the following materials:



CF 100	Low temperature	Aluminum (1500 F) One time use sleeve
CF 200	Medium temperature	Ductile – Gray (2650 F) One time use sleeve
CF 300	High Temperature	Steel (2950 F) One time use sleeve
CF 200 W	Medium Temperature	Low gas, smoke, binder does not burn out at normal temperature.
CF 300 W	High Temperature	Low gas, smoke, reusable for aluminum up to 6 times, depending on care used. Binder does not burn out.
CFX 700	XE-700 Exothermic sleeves used on normal production line.	
XE 760	Exothermic sleeves used on high compression line. EXAMPLE: Hunter Equipment.	
CFX 800	Heavy weight exothermic sleeves used for large molding flasks.	
Exothermic Riser Compound -		
	IX-24 for Iron 350 lb drum	
	NF-31 for Aluminum 400 lb drum	

INSULATED RISER SLEEVES

INSULATED RISER SLEEVES

<u>Sleeve size</u>	<u>Material</u>	<u>Pcs/Ctn</u>
1" x 2" x 12"	Per request	180
1.5" x 2.5" x 12"	Per request	124
1.5" x 3.5" x 12"	Per request	90
1.5" x 2.5" x 18"	Per request	62
2" x 3" x 12"	Per request	112
2" x 3" x 18"	Per request	42
2.5" x 3.5" x 18"	Per request	30
2.5" x 3.5" x 12"	Per request	84
3" x 4" x 12"	Per request	60
3.5" x 4.5" x 12"	Per request	50
4" x 5" x 12"	Per request	40
4.5" x 5.5" x 12"	Per request	32
5" x 6" x 12"	Per request	28
5.5" x 6.5" x 12"	Per request	18
6" x 7" x 12"	Per request	18
7" x 8" x 12"	Per request	12 & 18
8" x 9" x 12"	Per request	8
9" x 10" x 12"	Per request	8
10" x 11" x 12"	Per request	8
12" x 13" x 12"	Per request	4



Please see PAGE 41 for all materials available. All sleeves can be made for specific measurements and material upon request.

DON'T delay weeks for your sleeves . Call us today for your shipment to arrive tomorrow.

INSULATED RISER SLEEVES

ROUND NECK DOWNS

<u>Product #</u>	<u>Size</u>	<u>Material</u>	<u>Pieces</u>	<u>Size</u>	<u>Material</u>	<u>Pieces</u>
# 2060	2" x 6"	CF 200W	168/Ctn	6" x 12"	CF 200W	90/Plt
# 3060	3" x 6"	CF 200W	120/Ctn	7" x 12"	CF 200W	75/Plt
# 4012	4" x 12"	CF 200W	192/Plt	8" x 12"	CF 200W	8/ctn or 60/Plt
# 5012	5" x 12"	CF 200W		10" x 12"	CF 200W	36/Plt

HAND RIDDLES

Hand Riddles come with plastic trim. Size available in stock below.

18" X 2 Mesh Wooden & Plastic

18" X 3 Mesh Wooden & Plastic

18" X 5 Mesh Plastic

18" X 8 Mesh Plastic

18" X 18 Mesh Plastic

18" X 4 Mesh Plastic

18" X 6 Mesh Plastic

18" X 12 Mesh Plastic

18" X 18 Mesh Plastic with 4 crosswire.

Other meshes available, 18" diameter with 2 mesh up to 20 mesh F.O.B. factory, in 1 carton minimum orders.

GYRATORY RIDDLES

Type "V" - 20" dia. Sieve for screening fine, medium, and coarse sand with special clamp for quick change. Fully enclosed 1/6 hp motor, height: 4'6", wt.: 100 Lbs.

Type "V-5" driven by an extra heavy duty continuous service 1/2 hp motor is also available. Offers 36" dia sieve, 6'1".

Type "CR" - Thoroughly sifts, mixes, aerates and fluffs sand. Vertical 1/3 hp motor operates at slow motion with 2-1/2" circle of gyration. 24" dia. Sieve, height 5'6", wt 180 Lbs.

Type "CS" - 24" square sieve separates and ejects refuse to one side. Has 2-1/2" circle of gyration. 1/3 hp totally enclosed motor height 6'1", wt 225 Lbs.

Type "HL" - Laboratory sifter designed for accuracy of tested samples. Allows the testing of several different products at one time. Holds as many as 16 half height (1") or 8 full (2") high sieves. 1/6 hp motor suspended from ceiling or any convenient support. Wt 55 Lbs.

Type "HL-12" - 12" dia. Testing sieves for laboratory use. Ideal for quality control testing of raw materials. Highly portable, 1/6 hp motor, permits the testing of several products at one time. Wt 65 Lbs.

BACKSTAND IDLER UNITS

Many models available from 1" drum on up. Example:

The Model # 313-425 Idler Unit with 4" wide by 5-3/8" dia. Drum, with mounting bolts and instructions for changing from R.H. to L. H. set ups. Replacement Pulley, Shaft & Bearings sold separately.

This unit is intended to permit a shop to switch over to the belt grinding, polishing, deburring method without discarding their present equipment.

Please call Malcolm G. Stevens, Inc today for more specific information on our line of Back stand Idler Units.

Reinforced Cut-off wheels - full line from 1" -26" diameter in all popular thicknesses. The highest quality fiberglass fabric available today is used to give you break-resistant wheels for your most demanding cut-off applications.

ABRASIVES - CUT OFF WHEELS

For extremely tough jobs, our 4992 bond cut-off blades are recognized throughout the foundry industry as the wheel of choice. A full selection of general purpose wheels, and for special applications, custom engineered products.

Non- Reinforced cut-off Wheels - For precise cuts, exact sizing and high quality finishes, non reinforced cut-off wheels through 26" diameter in all popular thicknesses. Zone reinforcement is available.

For wet cutting and applications where you need a better finish, our premium rubber/resin bonded wheels meet the challenge.

Custom engineered non-reinforced cut-off wheels to meet your most exacting needs.

Bonded abrasives for all you cutting and grinding applications. We offer a complete line of bonded abrasive products for a wide variety of applications and industries, from fabrication and foundries to construction and heavy industrial. Our product line includes, but is not limited too.

Roll Grinding wheels	Nut -inserted discs & cylinders
Center less Wheels	Snagging Wheels
Regulating Wheels	Portable Wheels

ABRASIVES - SPIRALLY WOUND PRODUCTS

Spiral Bands 1/4" diameter to 8" diameter resin bonded premium aluminum oxide. Silicon Carbide or Zirconia/Alumina abrasive on cloth backing. Used with rubber-expanding wheels for smooth cutting and conformability to odd-shaped parts.

Spiral Bands 1"-3" diameter Scrim Back surface conditioning material.

Spiral Sleeves, 1/4: diameter to 5' diameter garnet abrasive on heavy paper backing used primarily on oscillating spindle sanders.

GRAPHITE

G-7 Pellets (bags)

646 Carbon Graphite (bags)

299-C-300 Carbon Graphite (Bags)

86 Graphite (Dry powder 30Lb. Pails and 300 Lb. Fiber Drums)

Graphite Plus (aerosol)

GRAPHITE STIRRING RODS

1/2" X 12" Stirring Rods

1" X 24" Stirring Rods

1-1/2" X 24" Stirring Rods

1/2" X 36" Stirring Rods

1" X 26" Stirring Rods

1" X 48" Stirring Rods



RESIN COATED SAND

1.5% Resin,	CA Kure Rite	Hevi Sand
2% Resin,	CB Kure Rite	Low, Med & High Grades
2.5% Resin,	CC Kure Rite	Olivine Sand (all grades)
3% Resin,	CD Kure Rite	Petro Bond
4 % Resin,	CE Kure Rite	Aluminum Oxide
Pre-mix	Blasting Sand	Special Mixes
Quantities	50Lb Bags	100Lb Bags
	Super Sacks	Pallet Boxes
	Truckload	

Malcolm G. Stevens also offers specified grade sands. Please call us today and let us know your specifications. PRE-MIX also available !!!

CHAPLETS

Malcolm G. Stevens can supply all your chaplet needs the list below is some examples of chaplets we have in stock.

Perforated Chaplets	Radiator Chaplets	Ventilated Chaplets
Motor Chaplets	Shoulder Radiator Chaplets	Catches
Double Head Chaplets	Angle Stem Chaplets	Round & Oval Hinge Tubes
Chaplet Clips	Dove Tails	Tin Tubes
Fitted head Stem Chaplets	Tin Shell Chaplets	Foundry Nails
Skim Gates	Perforate Tin Plates	Gating Tubes
Mold Anchors	Clip on Chaplets	

Please call us today to receive your quote or place an order.

FLUXES & DEGASSERS

PYROFLUX 115 FLUX:

General purpose exothermic flux used where dross must be kept hot for some time or under cold conditions. This flux is primarily formulated for use in ladles or crucible melting operations. It acts both as a cover against molten oxidation and as a means of removing aluminum and other metallic oxides. Sold in 125 Lb. Kegs and 500 Lb. Drums

FLX-106H 190 4 OZ DEGASSER

The degasser promotes rapid degassing and/or hydrogen removal, especially alloys requiring no sodium. Degassing action occurs at a gradual rate to minimize smoke. This degasser contains the highest possible level of active ingredients. This degasser is reactive at a minimum temp of 1200°F so that it is effective when casting cold metal as well as normal temperatures. This 4 oz. tablet is recommended for crucible and reverb use.

Sold as 4 ox. Tablets in 45 Lb. Ctns

ALUMINUM COVER & DROSSING FLUX –

CLEANING FLUXES ARE NECESSARY TO REMOVE OXIDES FROM THE MELT, WHILE COVER FLUXES ACT AS A BARRIER FOR THE SURFACE OF THE MELT AGAINST OXIDE FORMATION.

THE FLUXES AVAILABLE FOR DIFFERENT TEMPERATURE RANGES DIFFER PRIMARILY IN THEIR MELTING POINTS

ZINC FLUX 500 LB DRUM

DEGASSING PELLETS

2 NUCLEANT 2OX PELLETS SOLD IN 50 LB

ABRASIVES - CARTRIDGE ROLLS

Straight Cartridge Rolls, 1/8" diameter to 1-1/2" diameter are made from premium Aluminum Oxide cloth backed abrasive, tightly wound for long life in grinding, deburring and polishing operations. Also available with Silicon Carbide or Zirconia/ Alumina grain.

Tapered Cartridge Rolls, full tapered or half taper are made from premium aluminum oxide cloth-backed abrasive, tightly wound for long life in grinding, deburring and polishing operations. Also available with Silicon Carbide or Zirconia/Alumina grain.

Tapered Cone Points, for those hard-to reach deburring needs. Made from Premium Aluminum Oxide cloth-backed abrasive, tightly wound for long life. Also available with Silicon Carbide grain.

ABRASIVES - PADS

Square pads, with or without quick-change threaded eyelets, 1/4"=1/2" thick, 1" to 3" square.

Made from premium aluminum oxide cloth-backed abrasive, they are ideal for fast cutting and buffing operations. As the corners wear, new abrasive and cloth is exposed and the pad begins to work like a grinding wheel. Use for blending corners, channels and seams. Also available with Silicon Carbide grain.

Cross Pads, with or without quick-change threaded eyelets, are available 4,6, 8, or 10 ply, from 3/4" to 6" diameters. Made from premium aluminum Oxide cloth-baked abrasive, these pads are used for blending and buffing operations where visual observation of the part is needed. Also available with Silicon Carbide grain.

ABRASIVES - STARS

Surface conditioning Stars, 1-1/2": to 4" diameter. Coarse to very fine non-woven material with scrim back with quick-change threaded eyelet. Great for cleaning, polishing and light deburring on either I.D. or O. D. surfaces.

ABRASIVES - DISCS

Flap Discs, regular and high density, 4-1/2" and 7" diameter, Type 27 (flat) and Type 29 (angled) with or without quick-change adapter. Available with aluminum Oxide or Zirconia / Alumina abrasive. High stock removal with longer life than convention resin fiber discs.

Slotted Discs; plain slotted discs 1/2" diameter to 6" diameter, conforms to almost any surface configurations.

Overlap Slotted Discs 2 per set or 4 per set, 1" to 6" diameter with or without quick-change eyelet. Made from premium Aluminum Oxide resin bonded cloth-backed abrasive. Ideal for polishing and deburring operations where O. D. and I.D. work is performed.

ABRASIVES - DISCS

Plain Abrasive Discs, 1/2" to 36" diameter. If you apply the glue this could be an alternative to PSA discs.

Paper Discs, 10" to 36" diameters, Garnet abrasive on heavy paper backing. Used in woodworking trades.

PSA, Pressure-Sensitive Adhesive Discs, 1/2" to 30" diameter. Aluminum Oxide, Silicon Carbide, or Zirconia / Alumina materials.

Resin Fiber Discs, 4 1/2" to 9-1/8" diameter with or without quick-change adapter.

Mechanical Locking Discs, 3/4" to 3" diameter, are available with Roloc (TR or Type III) or Socatt (TS or Type III) adapters and are manufactured with Aluminum Oxide, Silicon Carbide or Zirconia / Alumina abrasive. They are also available in non-woven nylon, surface preparation discs for the removal of rust, blending surface flaws and other operations where the aggressiveness of cloth-backed abrasive is not needed.

Even Strip Discs, Extra Coarse Silicon Carbide impregnated nylon fiber surface cleaning material adhered to fiberglass backing pad. 4-1/2" and 7" diameter Type 27 (flat) and Type 29 (angled) with or without quick-change adapter.

Plain even Strip Discs, 2" diameter, Extra Coarse Silicon Carbide Non-Woven material.

Mounted Even Strip Wheels, 2" to 4" diameter Extra coarse Silicon Carbide non-woven material with 1/4" shank.

Plain Surface conditioning Discs, 2" to 8" diameter, Coarse, Medium and Very Fine Non-Woven material with a heavy back for mounting on standard Velcro designs holders.



Malcolm G. Stevens, Inc. distributes for numerous manufactures. Whatever your abrasive needs are we want you to know we are capable of fulfilling them. Please call us today to get your quote .

ABRASIVES - DIE GRINDING WHEELS,

DIA.	SIZE /THICK	QTY/ BOX	MAX RPM	GRADE	FEA- TURE	
2	1/32	100	30560	A60-O-BF2	FC	
2	1/16	50	30560	A36-T-B2	GP	
2	1/8	25	30560	A24-UBF2	XL	
				A-36-R-BF2	GP	FEATURE KEY
2	3/16	20	30560	A24-U-BF2	XL	FC= FAST CUTTIN
				A36-R-VF2	GP	GP=GENERAL PURPOSE
3	1/32	100	25465	A60-OBF2	FC	BF-REINFORCED
3	1/16	50	25465	A36-T-BF2	GP	XL=LONG LASTING
3	1/8	25	25465	A24-U-BF2	XL	BB=NON-REINFORCED
				A36-R-BF2	CP	
3	3/16	20	20370	A24-U-BF2	XL	
				A36-R-BF2	GP	
4	1/32	100	19100	A60-OBF2	FC	
4	1/16	50	19100	A36-T-BF2	GP	
4	1/8	25	19100	A24-U-BF2	XL	
				A36-R-BF2	GP	
4	3/16	20	15280	A24-U-BF2	XL	
				A36-R-BF2	GP	

ABRASIVE CLEANING BARS

Abrasive Cleaning Bars restore clogged, loaded & glazed abrasive belts and sanding discs. These cleaning bars help to extend the life of the abrasive belts and discs by removing all embedded grinding debris. Belts and / or discs are to be run at normal operating speed when cleaning. Simply hold the cleaning bar against the belt or disc to remove all build up between the abrasive particles.

The 2" X 2" X 12" bars are in stock please call for pricing.

PATTERN SHOP SUPPLIES



PATTERN SHOP SUPPLIES

Water & Paste Bulbs, Modeling Clay, Brass Spru Cutters (Tapered & Straight), Brass Mouth Spray Cans, Rammers, Butts & Peins, and Lab Metal & Solvent. You need it, we got it.

STOCK ITEMS IN TYNGSBORO, MA

PATTERN SHOP SUPPLIES

Brass Mouth Spray Cans

Mouth Spray Cans are used to spray liquid partings, light washes or similar materials. Any air nozzle can be used with the spray can. Sold in 1 pint cans

7330 Water Brush Bulbs. Sold as complete units

7311 Past Bulbs for handling semi liquid materials for pasting cores. Sold as complete units Rubber Bulb, Zinc Cone & Brass Tips.

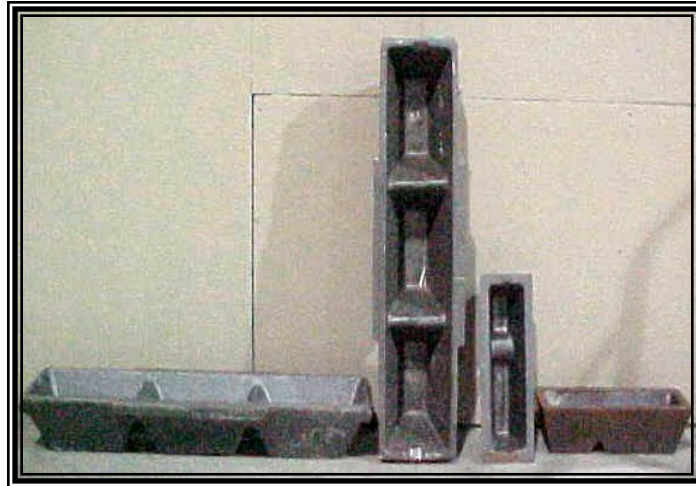
Tapered & Straight Brass Spru Cutters

<u>Tapered</u>	<u>Straight</u>	
1/2 X 8"	1/2 x 10"	1 1/2 x 10"
5/8 x 9 "	5/8 x 10"	2 x 10"
3/4 x 9"	3/4 x 10"	2 1/2 x 10"
1 x 9"	7/8 x 10"	3 x 10"
1 1/4 x 9 "	1 x 10"	
3/4 x 10"	1 1/4" x 10"	

RAYON VENT ROPE (VENT ROPE)

<u>SIZES</u>	<u>DIAMETER</u>	<u>LENGTH</u>
#2	3/32"	100 Meter Hank
#3	1/8"	100 Meter Hank
#4	5/32"	100 Meter Hank
#5	3/16"	50 Meter Hank
#5	3/16"	100 Meter Hank
#6	1/4"	50 Meter Hank
#7	9/32"	50 Meter Hank
#8	5/16"	50 Meter Hank
#9	3/8"	50 Meter Hank
#10	25/64"	50 Meter Hank
#12	1/2"	25 Meter Hank
#20	3/4"	25 Meter Hank
#25	1"	25 Meter Hank

INGOT MOLDS



Picture above: Cast Iron Ingot Molds for Aluminum & Bronze

Sizes available: 27" long X 5" wide X 4" deep (for Aluminum)

10" Long X 3" wide X 2 1/2" deep (for Bronze)

Also available Aluminum Notch Bar Ingot Molds

Alloyed Iron Aluminum Molds

Cast Iron or Ductile Iron Aluminum Sow Molds

METAL PUTTY - LAB METAL

Lab Metal ready- to use aluminum filled repair compound. Single component dent filler. Excellent adhesion to clean, dry surfaces of metal. Can be sprayed, brushed or spread on the application. Hardness is 81 on Shore D scale. Strength is 650Lbs/square inch compressed is 20000 psi water pressure is 50 psi. Heat resistance when dry is 350°F and is not affected by cold to 40°F. Shelf life is two years in factory sealed can. Suggested uses:

Repair :	Duct work	Grill ovens
	Radiators	Dented or damaged metal, prior to powder coating
	Foundry core boxes, molds	
	Mufflers, exhaust systems, engines	Sold in cans
	Wood and coal burning stoves	

TOOLS

GXR-A Blow Gun New concepts now add more tamperproof features to regulars and improve air flow and performance. Functional safety ports are designed to aspirate, increasing the discharge volume by drawing in ambient air. Gun is lightweight for operating comfort, and corrosion resistant.

Inquire on the 12" and 25" nylon recoil hoses for the blow guns and air operated tools also.



Dynaswivels never struggle with an air hose again. The Dynaswivel is a universal joint that connects portable air tools to an air line. It swivel 360 degrees at tow locations allowing an air hose to drop straight to the floor no matter how you hold the tool. This joint has a male pipe thread that screws directly into most air tools and accepts male pipe thread hose fittings or standard quick change adapters. Great for use with Grinders, Sanders, Glue Guns, Staple Guns, Drills, Buffers Etc.

95460, 1/4" NPT Thread up to 25CFM air flow range

95461, 3/8 NPT thread -26 to 45 CFM air flow range

95462 1/2 NPT thread-46 to 65 air flow range



STAINLESS STEEL MOLDERS TOOLS

Can be specified to meet your needs or all sizes below are available:

10 Square Trowel 1 1/4 X 5, 1 1/2 X 6, 2 X 7

24 Spoon & Gate Cutter 1, 1 1/4, 1 1/2

12 Slick & Oval Spoon 3/4, 1, 1 1/4, 1 1/2

13 Slick & Taper- 1"

18 Slick & Square Spoon - 3/4, 1, 1 1/4, 1 1/2

19 Slick & Square - 3/4, 1, 1/4, 1 1/2

80 Lifter 3/4-14, 1/2-16, 3/4-18, 1-20

85 Bench Lifter 1/2, 3/4, 1

90 Square & Square Spoon 3/4, 1, 1 1/4, 1 1/2

20 Finishing Trowel -1 1/4 x 5, 1 1/4 x 6, 1 1/2 x 6, 1 1/2 x 7, 2 x 7

The following are available in 1" only # 32 Taper & Spoon, # 38 Taper Square & Spoon, # 39 Taper & Square, # 72 Heart & Spoon and a # 73 Heart & Taper

PERMOPLAST MOLDING CLAY

This is a non-toxic modeling clay, which is sold in 5 LB. Boxes (twenty 1/4 Lb. Sticks)

Since 1919, Permoplast has remained the standard for premium, non hardening modeling clays. Its superior formula is easy to work with, stays soft and pliable when stored in a plastic bag, and can be used over and over.

90078F, x-30 Cream colored modeling clay is a stock item in Tyngsboro, MA and can be shipped U.P.S. upon receipt of order.

TOOLS

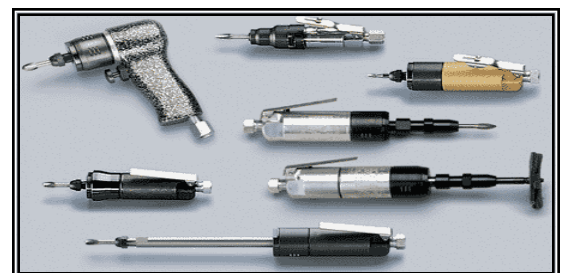
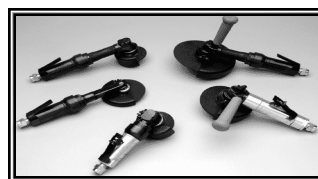
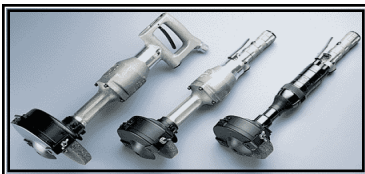
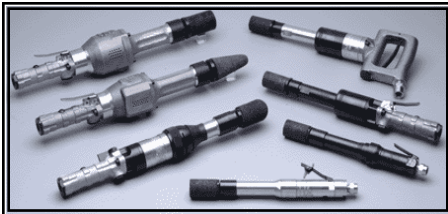


Malcolm G. Stevens, Inc. can supply you with all the tools you need. Molders tools, Industrial air Tools, Grinders—Vertical, Horizontal, die grinders, right angle grinders, burr grinders, Chisels, hammers, saw, drills and much more...

- American made Tools
- Designed for user efficiency
- Made in compliance with OSHA & ANSI compliance
- Provide complete repair services

Malcolm G. Stevens, Inc. is the supplier of all your tooling needs. We have Grinders for heavy material removal, Sanders, Percussion, Saws, Routers, Motors and Drills. We also have molders tools, abrasive discs and pads in various sizes and grit, sand paper, in various sizes. We couldn't possibly list all our inventory, but please inquire as to your needs. About 90% of the orders we receive today will be shipped same day.

GRINDERS

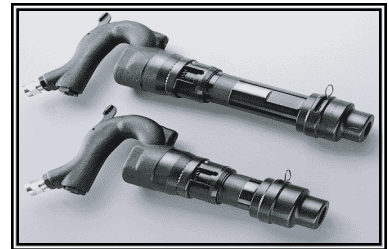
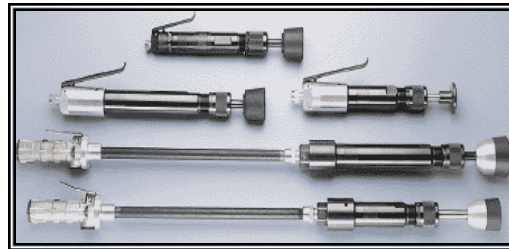
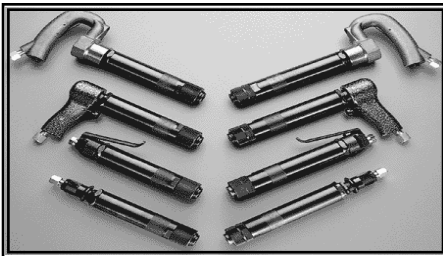


TOOLS

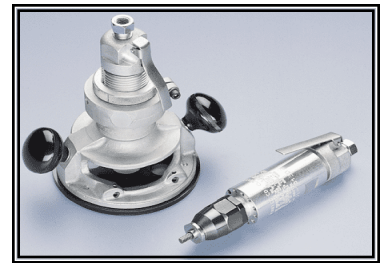
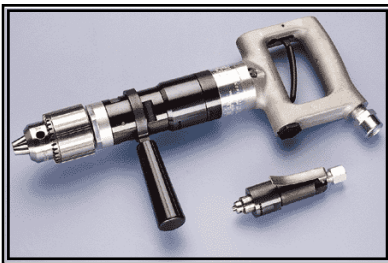
SANDERS



PERCUSSION



SAWS, ROUTERS, MOTORS AND DRILLS



FLASKS & BUSHINGS

Flask Pins & Bushings

Standard & custom machined, range up to 4-1.4: diameter in rounds-up to 3" in hex

Standard steel Flask pins, hook loose pins, self centering loose pins, hardened closing pins, round & Elongated bushings, threaded hexagon or square flask & Pattern plate pins.

All flask pins are made from high quality cold finished steel which normally runs .001" to .002" undersize. Threaded pins are furnished complete with nut.

When Standard sizes are not suitable for your needs, simply submit your requirements (print or samples) and our manufacturer will make according to your specifications.

TUNGSTEN CARBIDE CORE FILES

8" x 1/2" x 1/16" Flat

8" x 1/2" x 1/8" Flat

8" x 1/4" x 1/16" Flat

8" X 1/8" Round

12" x 1" x 1/8" Flat

Files are sold in 2 price brackets. 1 to 23 pieces or 24 pieces and up. Sizes may be combined for max bracket pricing.

ACCU-LUBE

Accu-lube lubricant for cutting tools and metal working. Lubricants are a blend of natural, plant based ingredients that are environmentally safe, non-toxic, non allergenic, and biodegradable.

Primary applications Milling, Sawing, Grinding, Broaching, Drilling/Reaming/Tapping, Punching/Hobbyist

All metals both ferrous and non-ferrous, all hard plastics, composites, hard rubber materials

Sold in Liquid heavy or medium, Solids, tubes & blocks and Paste & spray

VIBRATORS

PNEUMATIC BALL VIBRATORS provide supplementary energy for transfer of solids, slurries & liquids as well as compaction, homogenization, densification, on conveyor line, parts feeder and packaging equipment. These vibrators are used on *Foundry Molds, Mixers, Test Tables, Conveyors, Agitators, Bins, Chutes, Hoppers, Screens, Silos, Packers, Batch Weighers, Concrete Forms*. Industries using these vibrators include: *Foundry, Chemical, Feeds, Packaging, Plastics, Handling, Concrete*... LITERATURE AVAILABLE ON REQUEST.

PNEUMATIC PISTON VIBRATORS are available in Attaching Head models (single & double head, end inlet and pin types) and flange mount models (High Impact models and High Amplitude models). The attaching head models are also available as silent operating and high temperature, and the flange mount models are available as silent operating. LITERATURE AVAILABLE ON REQUEST.

PNEUMATIC TURBINE VIBRATORS are used on Foundry match-plates, shake outs, sand hoppers, parts feeding in tracks & trays in the automotive industry, on batchers, supply hoppers and chutes of chemical and plastics production and packaging lines. Many models available offering built in mufflers, and noise reduction. LITERATURE AVAILABLE ON REQUEST

TRUCK VIBRATORS available for Tandems/Live Bottoms/Multi-axles to 40', Rear Dumps, Spreader Bodies, Concrete pumps/Bins/Hoppers/Chutes, even spreaders on pick-up truck beds. These vibrators increase productivity, reduce common cause of equipment damage and reduce risks associated with the dumping and spreading cohesive materials. LITERATURE AVAILABLE ON REQUEST.

ASPHALT PAVING SHOES



ASPHALT SHOES, Tampers and Pads

USED BY COMMERCIAL & RESIDENTIAL PAVING CONTRACTORS

ALL ITEMS ARE MADE IN U.S.A., AND ARE STOCKED IN TYNGSBORO, MA

FELT ASPHALT SHOES are made with heavy gauge galvanized steel sole plates and heel cups; plated steel fittings and steel rivets. These durable felt soles will retain oil longer, wear better, and prevent sticking.

WOODEN ASPHALT SHOES are just as sturdy, made from 3/4" AC plywood.

The extra thick soles on both styles act as thermal barriers, and the adjustable "quick click" buckles and heavy-duty nylon straps can be cinched tight for better shoe fit and control, and less chance of tripping.

Tampers: 8" x 6" Cast Iron pad w/ handle

Tamper Pads: 8" x 8" Cast Iron. (Pad only)

Email: BillyS@mgstevens.com

PAVING PRODUCTS



ASPHALT SHOES

Wooden or Felt bottoms with Nylon Straps

STEEL TOED SAFETY SHOES

Work Boots, Athletic, Dress, Rubber

Men's & Women's

CLOTHING

Work Gloves (cotton, leather), Anti-Vibration Hand Guards, Work Belts (Back Support), Vests, Ponchos, Roughgear Outer wear (Field Jackets & Parkas with wool or fleece linings, Bib Overalls), MiraCool items (Tie Hats, Bandanas, Headbands, Visors)

TAMPERS & PADS

VIBRATORS

For Large Tandem Trailers, Dump Boxes, Dump Box Spreaders and Hopper Type Spreaders



TOOLS

Pavement Breaker Tools, Chipping Hammer Tools, Rivet Buster Tools, Boom Mounted Demolition Tools, Rock Bits, Carbide Insert Drills and Drilling Accessories (couplings, striking bars, H-thread, 1" rope thread, bit adapters, ...), Street Brooms, Shovels, Rakes, Lute Blades

SAFETY CLOTHING

Malcolm G. Stevens Inc., has what you need when it comes to safety clothing. Please refer to our safety catalog to find your exact needs and specifications. The following is a summary of the safety products we have in stock. Please call us for pricing.

HAND & ARM PROTECTION

Finger & Thumb Guards, Anti-Vibration Guards, Cable Farmer's Gloves, Steel Reinforced Gloves, High Temperature Gloves & Mitts, Arm Guards & Sleeves, Hand Pads, Welders Gloves, etc.. (Many materials available)

APRONS

Bib & Waist Styles, Split Leather Kick Back (Many materials available)



HEAD PROTECTION

Bump Caps w/ ratchet head gear, Hoods & Shields, Safety Glasses/Goggles, Snoods, Shrouds, Painters Caps, Mira Cool Headbands & Caps, Electrical Arc/ Switcher's Hoods, Steam & Thermal Hoods, Respirators/face masks



COATS/JACKETS & CAPE SLEEVE & BIBS

Flame Resistant, High Temperature Aluminized, Welders, Flame Resistant Wool, Electrical Arc/ Switcher's, Steam & Thermal, Roughgear Field Jackets with and without wool lining

LEG PROTECTION

Pants, Spats/Leggings, Electrical Arc/ Switcher's Over pants, Steam & Thermal Pants, Chainsaw Chaps, "Snake Bite" Leggings, Coveralls, Overalls (Many materials available)

RESPIRATORS

Dust Masks



SAFETY CLOTHING

Aluminized Apparel



Our protective clothing doesn't stop with our line of Steel Toed Safety Shoes or our line of Gloves/Mitts. We handle a full line of aluminized apparel, which covers you from head to toe (Hoods w/ shields, Coats/Jackets, Cape Sleeves, Aprons, Pants, Chaps, Leggings, Gloves/Mitts and Cover Boots). The aluminized apparel affords primary protection to workers exposed to radiant heat, molten metal and sparks.

Call today and request a catalog showing the various styles and numerous aluminized materials that are available.

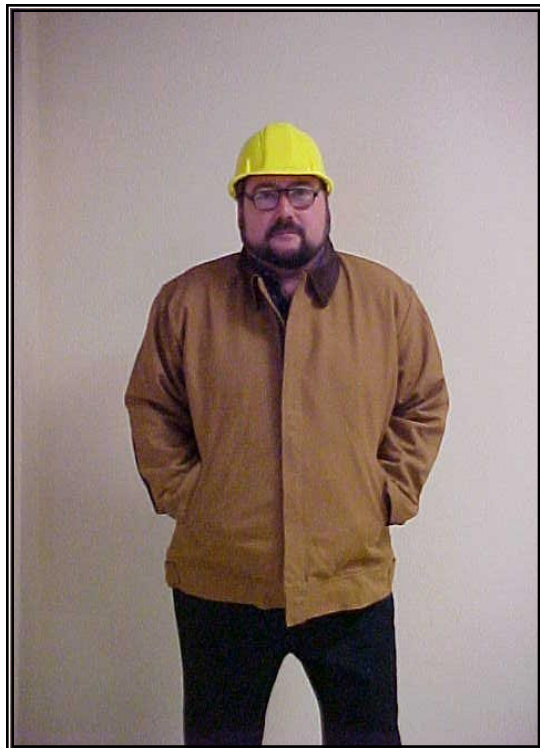
SAFETY CLOTHING

ROUGHGEAR FIELD JACKETS

FLAME RESISTANT WINTER WEAR

#CTD 6036 Field Jacket, traditional style - no hood. Exterior fabric has water repellent finish that is durable to laundry. Lining is Flame resistant wool. Zipper front closure is covered and snaps at the waist. 2 tab adjustments at the waist for a snug fit. 2 front welted pockets are wool lined. Comes in sizes X-SMALL thru 6X-LARGE. #CTD 6036D—Lining Option—Fleece Brochures on request

CALL TODAY FOR ADDITIONAL INFO ON ROUGHGEAR PARKAS AND BIB OVERALLS.



A collection of four different styles of safety glasses arranged on a white background. Two are clear lenses with black frames, and two have tinted lenses. They vary in frame shape and strap design.

Safety Glasses

available with magnifying insert. Available in three Diopter strengths (+1.5 power, +2.0 power and +2.5 power). Exceeds ANSI Z87.1 Ind'l Safety Protection Standards. Call today for additional information/ literature & pricing.

SAW BLADES

BAND SAW BLADE - TRI-TEMP - Hard edge, hard back, manufactured from high carbon alloy steel. Through a special heat treating process, a spring tempered hardness is given to the back of the blade. This quality allows the blade to be given more tension for added rigidity, resulting in straighter cuts and accuracy in contour cutting. Not recommended to be run at speeds over 4,000 feet per minute. For added versatility and performance, we recommend the original varied pitch Broach Tooth and Posi Tooth blades.

Width x Thickness		T.P.I.	Set	Style	250' Coil Prod No.
Inches	mm				
1/4	6.4	10	RAKER	CONSTANT	14540
	.025	.64	14/10	RAKER	BROACH
3/8	9.5	3	RAKER	SKIP	14585
		4	RAKER	SKIP	14595
		4	RAKER	HOOK	14590
		6	RAKER	HOOK	14600
		18	RAKER	CONSTANT	14620
1/2	12.7	4	RAKER	HOOK	14670
		6	RAKER	HOOK	14680
		6	RAKER	CONSTANT	14685
		10	RAKER	CONSTANT	14690
		14	RAKER	CONSTANT	14700
		14	WAVY	CONSTANT	14705
		18	RAKER	CONSTANT	14710
		10/8	RAKER	BROACH	14725
		12/8	RAKER	BROACH	14730
		14/10	RAKER	BROACH	14735
3/4	19	3	RAKER	SKIP	14780
		3	RAKER	HOOK	14775
		6	RAKER	CONSTANT	14795
		8	RAKER	CONSTANT	14800
		10	RAKER	CONSTANT	14810
		14	RAKER	CONSTANT	14830
		10/8	RAKER	BROACH	14850
		12/8	RAKER	BROACH	14855
1	27	14	RAKER	CONSTANT	14910
		6/4	RAKER	POSI	14920
		10/8	RAKER	BROACH	14930
		12/8	RAKER	BROACH	14935

BAND SAW BLADE - MACH 12 - Aggressive 12° positive rake angle- High positive rake angle provides faster cutting rates for increased production requirements without compromising band life. In addition, this feature allows the band saw machine and the blade to operate at a max level of efficiency. High chrome tempered steel backing material allows blade to absorb more heat, and increase life, variable pitch, oversized width. Application: a pro-

Width x Thickness		T.P.I.	Set	Style	250' Coil Prod. No.
Inches	mm				
3/16	4.8	4	RAKER	SKIP	11512
		10	RAKER	CONSTANT	11515
		14	RAKER	CONSTANT	11520
1/4	6.4	4	RAKER	HOOK	11535
		6	RAKER	SKIP	11550
		6	RAKER	HOOK	11545
		10	RAKER	CONSTANT	11555
		14	RAKER	CONSTANT	11565
		18	RAKER	CONSTANT	11570
3/8	9.5	24	WAVY	CONSTANT	11575
		3	RAKER	HOOK	11595
		4	RAKER	SKIP	11610
		4	RAKER	HOOK	11605
1/2	12.7	6	RAKER	HOOK	11615
		6	RAKER	HOOK	11615
		10	RAKER	CONSTANT	11625
		14	RAKER	CONSTANT	11630
		3	RAKER	HOOK	11680
		4	RAKER	SKIP	11695
3/4	19	4	RAKER	HOOK	11690
		6	RAKER	HOOK	11700
		6	RAKER	CONSTANT	11705
		10	RAKER	CONSTANT	11710
		14	RAKER	CONSTANT	11720
		18	RAKER	CONSTANT	11730
		24	WAVY	CONSTANT	11735
		5/8	16	4	RAKER
1	27	10	RAKER	CONSTANT	11785
		2	RAKER	HOOK	11795
3/4	19	3	RAKER	HOOK	11800
		4	RAKER	HOOK	11810
		6	RAKER	HOOK	11820
		6	RAKER	CONSTANT	11825
		8	RAKER	CONSTANT	11830
		10	RAKER	CONSTANT	11835
		14	RAKER	CONSTANT	11855
1	27	3	RAKER	HOOK	11885
		6	RAKER	CONSTANT	11895
		10	RAKER	CONSTANT	11905
1-1/4	34	3	RAKER	HOOK	11927
	.042	1.07			

SAW BLADES

duction cutting blade designed for faster cutting. Cuts solid or heavy walled material. Also for cutting exotic metals, super alloys and space age material.

BAND SAW BLADE - FRICTION BANDS - For friction cutting only, special silicon carbon steel with good abrasion resistance and fatigue life is used for the manufacturing of friction cutting blades. Friction cutting is accomplished by running the band saw blade at high speed (8,000-15,000 S.F.P.M.). The high frictional heat created allows the blade to burn or melt away the material and the saw teeth remove the molten metal from the work piece. Very thin or odd-shaped metals may be successfully cut by friction sawing when conventional methods fail.

BAND SAW BLADE - X-TRA DUTY .32 - Hard edge, Flex Back. Heavy duty for wood, metal and the furniture industries. A hard edge, flexible back blade with extra thickness (.032) for extra rigidity, strength and blade life. Widely used by the wood-working industries, especially furniture manufactures. Also used on aluminum, magnesium, brass, etc. X-tra Duty is manufactured with a hook tooth design and is available in 1/4", 3/8" and 1/2" Not recommended for machines that take a 15" band or less.

Every Tooth Set (ETS) - Highly recommended for straight and contour cutting of wood, flake board, plastic, non-ferrous materials, etc. Absence of rake teeth gives a third more cutting edges for additional blade life and abrasion resistance.

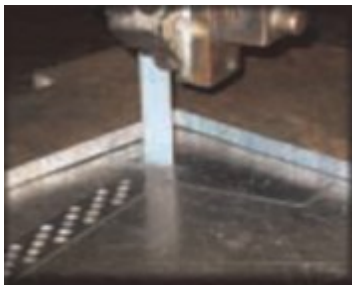
BAND SAW BLADE -HARD EDGE, FLEX BACK A hard edge, flexible back blade for horizontal but-off

Width x Thickness		T.P.I.	Set	Style	150' Coil Prod. No.	250' Coil Prod. No.
Inches	mm					
1/2 .020	12.7 50	10	RAKER	CONSTANT	23330	23630
		14	RAKER	CONSTANT	23335	23635
		18	RAKER	CONSTANT	23340	23640
		24	WAVY	CONSTANT	23339	23639
		14/10	RAKER	BROACH	23338	23638
		18/14	RAKER	BROACH	23334	23634
5/8 .032	16 80	10/6	RAKER	BROACH	23372	23672
		14/10	RAKER	BROACH	23374	23674
3/4 .035	19 .90	3	RAKER	HOOK	23375	23675
		10	RAKER	CONSTANT	23390	23690
		14	RAKER	CONSTANT	23395	23695
		6/4	RAKER	BROACH	23407	23707
		8/5	RAKER	BROACH	23412	23712
		10/6	RAKER	BROACH	23415	23715
		12/8	RAKER	BROACH	23420	23720
		14/10	RAKER	BROACH	23422	23722
1 .035	27 .90	10	RAKER	CONSTANT	23450	23750
		6/4	RAKER	BROACH	23462	23762
		8/5	RAKER	BROACH	23467	23767
		10/6	RAKER	BROACH	23470	23770
		12/8	RAKER	BROACH	23475	23775
		14/10	RAKER	BROACH	23477	23777
1-1/4 .042	34 1.07	3/2	RAKER	POSI	23515	23815
		4/3	RAKER	BROACH	23521	23821
		4/3	RAKER	POSI	23517	23817
		6/4	RAKER	BROACH	23522	23822
		8/5	RAKER	BROACH	23527	23827
		10/6	RAKER	BROACH	23530	23830

Width x Thickness		T.P.I.	Style	Bulk EDP. No.
Inches	mm			
1/2 .025	12.7 .60	3	Set	943059
		4	Triple Chip	943060
3/4 .035	19 .90	3	Triple Chip	943075
		3	Set	943076
1 .035	27 .90	3	Triple Chip	943095
		3	Set	943096
		4/3	Triple Chip	943105
1-1/4 .042	34 1.07	3/2	Triple Chip	943123
		3	Triple Chip	943116
		4/3	Triple Chip	943127
1-1/2 .050	41 1.27	1.7/1	Triple Chip	943133
		3/2	Triple Chip	943143
		4/3	Triple Chip	943147
2 .062	54 1.60	1.7/1	Triple Chip	943172
		3/2	Triple Chip	943180
2-5/8 .062	67 1.60	1.7/1	Triple Chip	943213
3 .062	76 1.60	1/8	Triple Chip	943217

SAW BLADES

BAND SAW BLADES - EXCEL- Band saw blade features a high tooth hardness (67-69 RC) with an 8% cobalt M42 tool steel cutting edge. They are available in Broach tooth, Posi tooth and Hook tooth styles. The Broach tooth has a less aggressive zero degree rake angle that resists tooth stripping especially on smaller cross sections while retaining the high hardness and superior abrasion resistance needed for cutting high alloy, heat treated, or stainless steels. The Posi tooth and Hook tooth styles combine the hardness and superior abrasion resistance qualities with an aggressive rake angle and strong back angle to provide faster cuts on solid work pieces where tooth stripping is not a common occurrence.



BAND SAW BLADES - CONTOUR BAND- saw blades feature a high hardness just like the EXCEL. They are available in narrow widths with Hook tooth, Constant tooth and Broach tooth styles for radius and straight cutting. The Hook tooth style combines an aggressive rake angle for faster cuts and is an excellent choice of aluminum and non-ferrous materials. The Constant tooth and Broach tooth have less aggressive zero degree rake angles that resist tooth stripping especially on smaller work pieces while retaining the high hardness and superior abrasion resistance needed for cutting high alloy, heat treated, or stainless steels.

Width x Thickness		T.P.I.	Set	Style	150' Coil Prod. No.	250' Coil Prod. No.
Inches	mm					
3/4	19	6/4	RAKER	BROACH	25102	25202
		8/5	RAKER	BROACH	25103	25203
1	27	3	RAKER	HOOK	25097	25197
		3/2	RAKER	POSI	25110	25210
		4/3	RAKER	POSI	25113	25213
		6/4	RAKER	BROACH	25117	25217
		6/4	RAKER	POSI	25115	25215
		8/5	RAKER	BROACH	25122	25222
		8/5	RAKER	POSI	25120	25220
1-1/4	34	10/6	RAKER	BROACH	25125	25225
		1	RAKER	HOOK	25410	25510
		3	RAKER	HOOK	25128	25228
		3/2	RAKER	POSI	25135	25235
		4/3	RAKER	POSI	25137	25237
1-1/2	41	6/4	RAKER	POSI	25140	25240
		8/5	RAKER	POSI	25145	25245
		1	RAKER	HOOK	25420	N/A
		1.5/1	RAKER	POSI	25153	N/A
		3/2	RAKER	POSI	25155	N/A
2	54	4/3	RAKER	POSI	25157	N/A
		6/4	RAKER	POSI	25160	N/A
		1	RAKER	HOOK	25429	N/A
		1	RAKER	HOOK	25430	N/A
2	54	1.5/1	RAKER	POSI	25186	N/A
		3/2	RAKER	POSI	25187	N/A
		4/3	RAKER	POSI	25188	N/A
		1/8	RAKER	POSI	25196	N/A
2-5/8	66.8	1.5/1	RAKER	POSI	25198	N/A
		3/2	RAKER	POSI	25199	N/A
		3/2	RAKER	POSI	25199	N/A

Width x Thickness		T.P.I.	Set	Style	150' Coil Prod. No.	250' Coil Prod. No.
Inches	mm					
1/4	6.4	6	RAKER	HOOK	23314	23614
		14/10	RAKER	BROACH	23315	23615
		18/14	RAKER	BROACH	23317	23617
1/4	6.4	10	RAKER	CONSTANT	23305	23605
		14	RAKER	CONSTANT	23310	23610
3/8	9.5	14/10	RAKER	BROACH	23328	23628
3/8	9.5	4	RAKER	HOOK	23312	23612
		10	RAKER	CONSTANT	23320	23620
1/2	12.7	4	RAKER	HOOK	23346	23646
		6	RAKER	HOOK	23332	23632
		10	RAKER	CONSTANT	23333	23633
		14	RAKER	CONSTANT	23341	23641
		10/6	RAKER	BROACH	23336	23636
		12/8	RAKER	BROACH	23337	23637
		14/10	RAKER	BROACH	23343	23643
18/14	RAKER	BROACH	23344	23644		
1/2	12.7	3	RAKER	HOOK	23347	23647
		6	RAKER	HOOK	23348	23648
		14	RAKER	CONSTANT	23355	23655
		10/6	RAKER	BROACH	23360	23660
		14/10	RAKER	BROACH	23367	23667

SHOVELS

J-250 KODIAK # 14 WESTERN ALUMINUM SCOOP WITH D GRIP

The Jackson shovel for professional who want lightweight aluminum scoop for scooping grain or other granulated materials. Sturdy for general clean up of mulch, sand and soil.

- Aluminum blade, #14 lightweight, non sparking rust proof
- 27 inch sturdy ash handle
- D-grip handle encased in wood
- Western -pattern ribbed blade



Height 46, width 15.25, Length 4.5 UPC 049206165052

J-450, PONY MOULDER/ ASPHALT SQUARE POINT SHOVEL

Perfect for transferring heavy, loose material. The solid shank construction features a flat blade designed for moving asphalt. It also features a 27-inch ash handle with armor D-grip for hand comfort and control while lifting heavy material.

- #2 blade constructed for strength and durability
- Perfect for moving heavy material
- 27-inch premium North American ash handle
- Armor D-grip encased wood to prevent twisting



Width 13", Length 38" Height 1.67" UPC 049206122765

J-250, KODIAK PROFESSIONAL COAL SHOVEL WITH ARMORED D-GRIP

This shovel is ideal for transferring loose material such as a coal, stone, and gravel. The tool features a tempered steel blade, 21-inch lift, and 27-inch handle with armor D-grip. Great for heavy duty applications.

- Perfect for transferring gravel, stone, coal and other loose material
- Tempered steel solid blade
- 27-inch sturdy hardwood handle
- Armor D-grip encased wood to prevent twisting



width 12, length 2.5, height 40.5 UPC 049206130050



We stock various types of shovels from use in foundry to maintenance use. Snow shovels wheelbarrows and numerous other products that your company may need call us today for more information.



SHOVELS

J-250, KODIAK ROOFER'S SCOOP

The wide, flat blade on this sturdy scoop is perfect for prying up and removing asphalt shingles and roll roofing. A roofer's scoop is also a useful and versatile garden tool.

- Tempered steel scoop for durability and long life
- Plain, hollow-back blade, size # 8
- 27-inch sturdy, stained North American ash handle
- Armor D-grip encased wood to prevent twisting

width 13.5, length 44, height 16, UPC 049206136076



GENERAL PURPOSE STEEL SHOVEL

This sturdy steel shovel is great, all-purpose tool and an essential part of any tool assortment. It's perfect for moving loose material such as sand or top soil. .

- 11-inch x 13.5 blade
- 48 inch North American ash handle
- Multi-purpose tool
- Heat treated steel blade

Warranty- 10 years, width 10.5, length 60, height 1.5 UPC 049206163249



ROUND POINT SHOVEL WITH OPEN-BACK, DUAL RIVET AND D-GRIP HANDLE

Razor Back is the premier name in shovels. This round point is designed with the professional in mind. The heavy duty blade is combined with a dual-rivet, extended tab socket and steel/wood D-Grip to withstand repeated use in the toughest of conditions.

- Commercial grade 14-gauge blade
- Forward turned-step for secure foot placement
- 30-inch North American ash handle

length 41.5" Width 8.75" Height 5.875 UPC 079617432054



PRODUCT LIST

- * Abrasive Power Tools
- * Abrasive Shot & Grit
- * Abrasive Wheels, Cones, Plugs, Belts & Discs
- * Accu-Lube Lubricant
- * Air Nozzles
- * Air Tools (Grinders, Chippers & Rammers)
- * Back Stand Idlers
- * Bails & Shanks
- * Band saw Blades & Saw Parts
- * Base Blocks
- * Bentonites (Western & Southern)
- * Blind Risers
- * Bushings & Pins
- * Butts & Peins
- * Carbide Burs
- * Carbon Risers
- * Cement
- * Chaplets
- * Chisels
- * Coated
- * CO2 Binder, Equip. & Supplies
- * Contact Wheels
- * Core Oil
- * Core Paste
- * Core Trucks & Buggies
- * Core Wash
- * Core Wire
- * Crucibles (Silicon Carbide, etc.)
- * Crucible Graphite & Induction)
- * Cup Wheels
- * Die Casting Supplies
- * Diko Hms
- * Dressers (Grinding Wheels)
- * Electric Riddles
- * Exothermic Riser Compounds
(Alum., Bronze & Iron)
- * Exothermic Sleeves
- * Face Shields
- * Ferro Alloys, Ferro Chrome, Ferro Molly
- * Ferro Silicon & Ferro Manganese
(Chips & Bricks)*
- * Files
- * Filters (Ceramic)
- * Flask Jackets
- * Flasks (Wood & Metal)
- * Flask Pins & Steel Flasks
- * Flux (Bronze, Alum. ,Zinc & Degasser)
- * Furfuryl Alcohol Binder
- * Furnaces (Gas, Elec. & Oil)
- * Furnace Covers
- * Gagers
- * Gate Tubes, Elbows & Tees
- * Gloves & Mitts
- * Graphite *
- * Grease Sticks
- * Grinders
- * Grinding Wheels
- * Hammers
- * Hand Pads
- * Hinge Tubes
- * Ingot Molds
- * Insulating Sleeves
- * Kenset

PRODUCT LIST

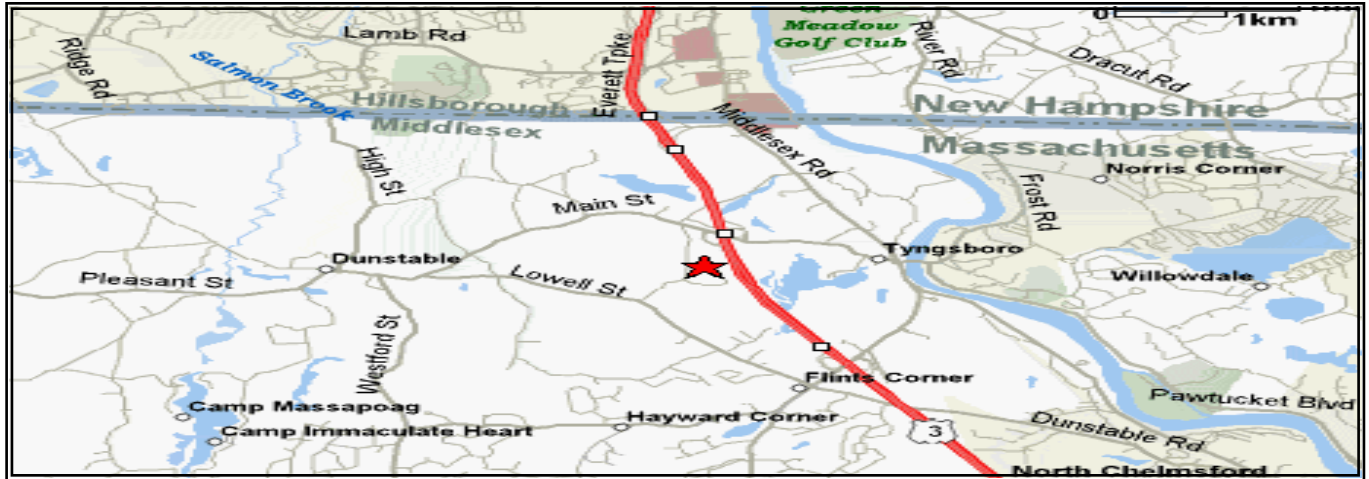
- * Iron Oxide
- * Lab Metal & Solvent
- * Ladles (all types)
- * Ladle Coat
- * Ladlers (Automatic)
- * Leggings* Shoes-steel toed
- * LiquaFlour
- * LiquaGrip
- * Liquid Parting
- * Marinite & Transite Materials
- * Mold Release
- * Mold Seal
- * Molders Tools
- * Mounted Points
- * Mudding Compound
- * Mullers
- * Nickel Shot
- * PanXtrol
- * Paraspray
- * Parting (Non-silica & Liquid)
- * Parting Bags
- * Paste Bulbs
- * Paving (Asphalt) Shoes
(wooden & felt)
- * Perforated Tin Plate
- * Phosphor Copper Shot
- * Pyrometers & Tips
- * Rammers (Hand, Bench)
- * Shanks & Tongs(Floor)
- * Rayon Vent
- * Resin Coated Sand
- * Riddles & Riddle Bottoms
- * Rotary Files & Burs
- * Rubber Linings (for Blast Cabinets)
- * Safety Products (Clothing, Glasses & Resp.)
- * Sand Blast Equipment
- * Sand Reclamation
- * Seacoal
- * Shanks & Tongs
- * Shot & Grit (Steel)
- * Shovels
- * Skim Gates
- * Skimmers
- * Spru Cutters
- * Strainer Cores
- * Test Cups
- * Thermocouples
- * Tongs
- * Torches
- * Vent Wax & Rayon Vent
- * Vibrators (Air, Elec. & Turbine)
- * Washes (Core & Mold)
- * Wheelbarrows
- * Wood Flour
- * Work Belts
- * Zircon Wash
- * Zyp Coatings

The above are products we carry in stock. Obviously with all the inventory we have in **stock** it is difficult to make a catalog listing all the products that we carry. Please call a Malcolm G. Stevens sales representative today to find out how we may benefit your company. We can also give you more specific information on other product at your request.

We look forward to our future business together.

CONTACT INFORMATION

12 PROGRESS AVE, TYNGSBORO, MA 01879



North From Rte 495: Once off Rte 495 & onto Rte 3 (North) 8 Miles to exit 35 (Rte 113/ Kendal Rd). At End of ramp take a right and go over Rte 3. Take your 1st left onto Cummings Rd, then a left onto Progress Ave. We can be found @ 12 Progress Ave.

South From Nashua, NH: Go to Rte. 3 South get off at exit # 35 (Rte 113/Kendall Rd). At end of ramp take left onto Rte 113, then your next left onto Cummings Rd. Take a left onto Progress Ave.

MALCOLM G. STEVENS, INC

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