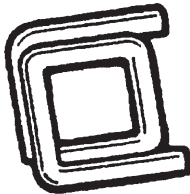


NORTH SHORE STRAPPING CO.
Wire Buckles



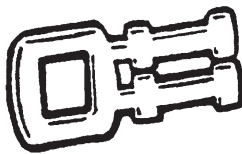
Series MB

No.	Size In.	Pkg. Qty.
/940502	5/8	1000
/940512	1/2	1000



Series HD

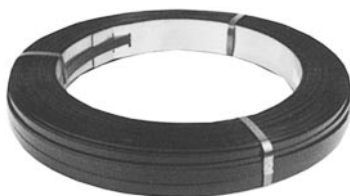
No.	Size In.	Pkg. Qty.
/940504	3/4	1000



Series PB

No.	Size In.	Pkg. Qty.
/940552	5/8	1000

POLYESTER STRAPPING

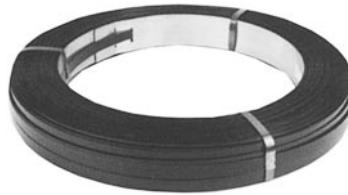


Retain more tension than polypropylene. Join with heat, friction or mechanical methods.

No.	Thick. In.	Core Size
...PE-3896-6	.020	16x6
...PE-5045-3	.015	16x3
...PE-5090-6	.015	16x6
...PE-5036-3	.020	16x3
/940PE5072-6B	.020	16x6
...PE-5058-6	.025	16x6
...PE-5828-3	.020	16x3
...PE-5857-6	.020	16x6
/940PE5822-3	.025	16x3

No.	Thick. In.	Core Size
...PE-5844-6	.025	16x6
...PE-1616	.021	16x6
...PE-1716	.021	16x6
...PE-1718	.024	16x6
...PE-1816	.018	16x6
...PE-1818	.021	16x6
...PE-1822	.028	16x6

POLYPROPYLENE STRAPPING
Hand Grade



Joint efficiency 70% to 80% when heat sealed. Can also be joined by friction or mechanical seal. Black.

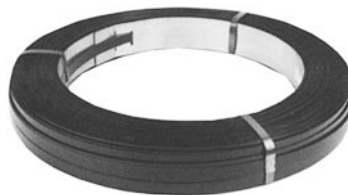
No. 1940225. Self-sealing. Metal.
Strapping

No.	Style No.	Size In.	Lgth. Ft.	Tens. Lbs.	Thick. In.	Core Size
/940135	LD-5090-8	1/2	9000	350	.017	8x8
/940137	SD-5090-8	1/2	9000	400	.018	8x8
/940136	SD-5090-6	1/2	9000	400	.018	16x6
/940139	HD-5072-8	1/2	7200	600	.031	8x8
/940140	HD-5072-6	1/2	7200	600	.031	16x6
/940138	HD-5827-3	5/8	2700	700	.028	16x3
/940141	HD-5854-8	5/8	5400	700	.028	8x8
/940143	HD-7545-8	3/4	4500	1000	.032	8x8

Mini-Coils

No.	Model No.	Size In.	Lgth. Ft.	Tens. Lbs.
/940225	1940225	1/2	2500	400

STEEL STRAPPING
Regular Duty



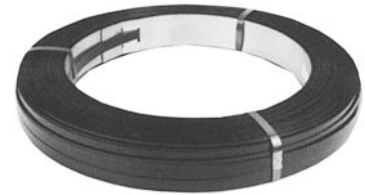
Cold rolled, low carbon steel. Meet requirements of tensional strapping. For most strapping applications. Meet ASTM 3953 specifications.

No.	Strap Wdth. In.	Strap Thick. In.	Avg. Strength Lbs.	Yield Ft./Lbs.
/930125	3/8	.015	700	52.4
/930127	3/8	.020	900	39.3
/930129	1/2	.015	950	39.3
/930131	1/2	.020	1220	29.4
/930132	1/2	.023	1375	25.6
/930135	5/8	.015	1180	31.4
/930137	5/8	.020	1500	23.6
/930139	5/8	.023	1720	20.5

No.	Strap Wdth. In.	Strap Thick. In.	Avg. Strength Lbs.	Yield Ft./Lbs.
/930141	3/4	.015	1420	26.2
/930143	3/4	.020	1810	19.6
/930145	3/4	.023	2050	17.1
/930147	3/4	.028	2300	14.1

Complete Information Available on Request.

STEEL STRAPPING
High Tensile

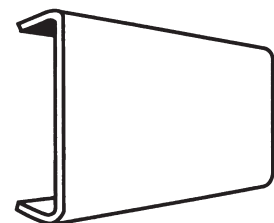


Cold rolled, low carbon steel. Heat treatment combines fine surface and physical properties with strength and shock resistance. Meet ASTM 3953 specifications.

No.	Strap Wdth. In.	Strap Thick. In.	Avg. Strength Lbs.	Yield Ft./Lbs.
/930-29.4	1/2	.020	1450	29.4
/930-25.6	1/2	.023	1660	25.6
/930-23.6	5/8	.020	2200	23.6
/930-20.5	5/8	.023	2100	20.5
/930-19.6	3/4	.020	2150	19.6
/930-17.1	3/4	.023	2470	17.1
/930029-15.7	3/4	.025	2620	15.7
/930030-12.7	3/4	.031	3250	12.7
/930033-9.4	1 1/4	.031	5450	9.4
/930035-7.6	1 1/4	.035	6150	7.6
/930-5.3	1 1/4	.044	7700	5.3
/930-3.3	2	.044	12300	3.3

Complete Information Available on Request.

STRAPPING SEALS
Steel

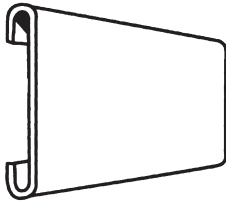


Open Seals. Place over strapping ends before or after tensioning. Eliminate pre-reading.

No.	Desc.	Strap Size In.	Strap Type	Dim. In.
/930400	SO-1	3/8	Regular Duty	1.00x.020
/930425	SO-2	1/2	Regular Duty	1.00x.020
/930450	SO-5	5/8	Regular Duty	1.00x.020
/730475	SO-7	3/4	Regular Duty	1.00x.020
/930476	SO-7HD	3/4	Heavy Duty	1.87x.035
/930554	SO-125	1 1/4	Heavy Duty	2.20x.035

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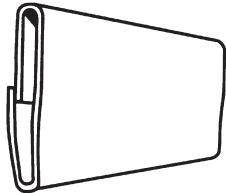
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Closed Seals. Thread over overlapping strap before tensioning. Use on bales, bundles and large strap sizes.

Closed Seal

No.	Desc.	Strap Size In.	Strap Type	Dim. In.
/930404	SC-1	3/8	Regular Duty	1.00x.020
/930427	SC-2	1/2	Regular Duty	1.00x.020
/930452	SC-5	5/8	Regular Duty	1.00x.020
/930477	SC-7	3/4	Regular Duty	1.00x.020
/930478	SC-7HD	3/4	Heavy Duty	1.87x.035
/930550	SC-125	1 1/4	Heavy Duty	2.20x.035

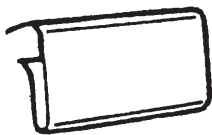


Push-Type Seals. When strap tensioned by butting tensioner nose against seal.

Push-Type Seal

No.	Desc.	Strap Size In.	Strap Type	Dim. In.
/930402	SP-1	3/8	Regular Duty	.875x.025
/930429	SP-2	1/2	Regular Duty	.875x.025
/930454	SP-5	5/8	Regular Duty	.875x.025
/930479	SP-7	3/4	Regular Duty	.875x.025
.....	SP-7HD	3/4	Heavy Duty	1.87x.035
/930552	SP-125	1 1/4	Heavy Duty	2.20x.035

**METAL SEALS
Series MS**



For poly banding.

No.	Desc.	Size In.	Pkg. Qty.
/940575	MS-2	1/2	1000

STEEL PACKING TOOLS

Packaging Tools - Steel



Steel Strap Sealer

Series MIP-1100. Gauge .015 to .023.
Series MIP-1100

No.	Desc.
/920306	MIP-1100-38 Stl. Strap
/920307	MIP-1100-12 Stl. Strap
/920308	MIP-1100-58 Stl. Strap
/920310	MIP-1100-34 Stl. Strap



H.D. Steel Strap Sealer

Series MIP-3000. Heavy duty. Single down cut. Gauge .025 to .035.

No.	Desc.
/920313	MIP-3000-34 Sgl. Down Cut
/920315	MIP-3000-114 Sgl. Down Cut

Series MIP-3000



H.D. Steel Strap Sealer

Series MIP-3100. Heavy duty. Double up cut. Gauge .025 to .044.

No.	No.	Desc.
.....	MIP-3100-34	MIP-3100-34 Dbl. Up Cut
.....	MIP-3100-114	MIP-3100-114 Dbl. Up Cut

Series MIP-3100

**PUSHER TOOLS
Packaging Tools - Steel**

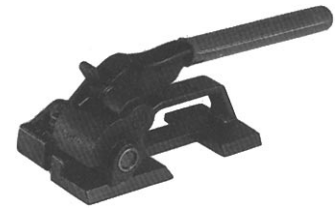


No. MIP-1620. Feedwheel. Gauge .023 to .044. 5/8" to 1 1/4".

No. MIP-1620

No.	Desc.
/9203035	MIP-1620 Feedwheel Pusher

**TENSIONERS
Packaging Tools - Steel**



No. MIP-1200. Compact. Gauge .015 to .020. 3/8" to 3/4".

No. MIP-1200

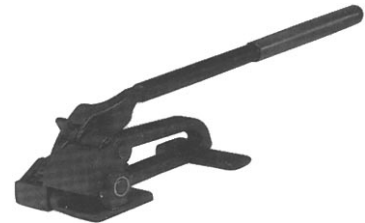
No.	Desc.
.....	MIP-1200 Compact



No. MIP-1300. Gauge .015 to .025. 3/8" to 3/4".

No. MIP-1300

No.	Desc.
/920300	MIP-1300 Stl. Strap



No. MIP-1400. Heavy duty. Gauge .025 to .044. 3/4" to 1 1/4".

No. MIP-1400

No.	Desc.
/9203025	MIP-1400 Heavy Gauge



No. MIP-1450. Heavy duty windlass. Gauge .028 to .035. 3/4" to 1 1/4".

No. MIP-1450

No.	Desc.
/920304	MIP-1450 Windlass

SHEARS

Packaging Tools - Steel



No. MIP-2100. Steel strap. Gauge .015 to .035. 3/8" to 1 1/4".



No. MIP-2300. Extra heavy duty steel. Gauge .015 to .050. 3/4" to 2".

No.	Desc.
/920328	MIP-2100 Std.
/920330	MIP-2300 Extra Hvy. Duty

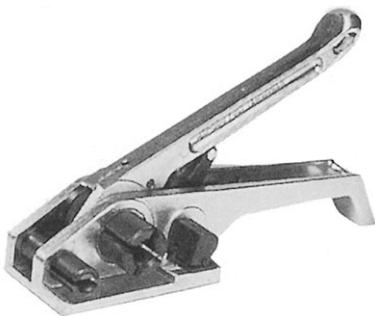
POLY STRAP SEALERS
Packaging Tools - Plastic



No.	Desc.
/920053	MIP-100-12 Std.
.....	MIP-100-58 Std.
.....	MIP-100-34 Std.

MIDWEST INDUSTRIAL PACKAGING

Poly Strap Tensioners
Packaging Tools - Plastic



No. MIP-300. Standard. 1/2" to 3/4".
Standard Tensioners

No.	Desc.
.....	MIP-300 Std.



No. MIP-380. Heavy-duty. 1/2" to 3/4".

Heavy-Duty Tensioners

No.	Desc.
.....	MIP-380 Hvy. Duty

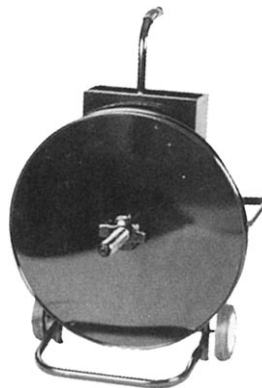


No. MIP-390. Giant. 3/4" to 1 1/4".

Giant Tensioners

No.	Desc.
.....	MIP-390 Giant

STRAPPING DISPENSERS



No. MIP-5100. Steel and plastic.

No. MIP-5100 Dispensers

No.	Desc.
/920015	MIP-5100 Dispenser



No. MIP-5400. Narrow steel. Wdth. 12 1/2".

No. MIP-5400 Dispensers

No.	Desc.
/920000	/92000 Narrow Stl.

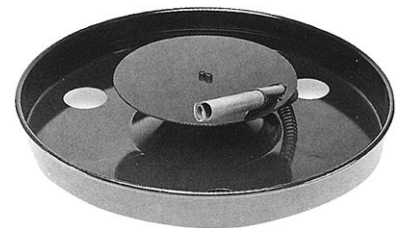


No. MIP-5600. Ribbon wound steel. Holds coils. Wheel dia. 8".

No. MIP-5600 Dispensers

No.	Desc.
/920001	MIP-5600 Ribbon Wound

No. MIP-6000 Dispensers



No. MIP-6000. Floor mount unit. Steel.

No.	Desc.
.....	MIP-6000 Floor Mount

Continued on next page

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No. MIP-61000 Dispensers



No. MIP-6100. Heavy duty steel and plastic. Strap troller. Wheel dia. 10".

No.	Desc.
.....	MIP-6100 Heavy Duty

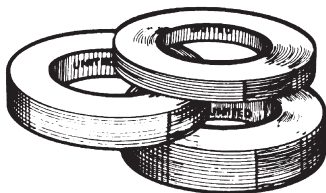
UNITED TAPE COMPANY
Tape Dispensers



Use with carton sealing tape. Adjustable tension spool.

No.	Desc.
/950411	For 2" Wide Tape
/950411STA	For 2" Wide Tape
/950413	For 3" Wide Tape
/950413STA	For 3" Wide Tape

UNITED TAPE COMPANY
Shipping & Packaging Tape



No.	Desc.	Size	Color	Pkg. Qty.
/950150	Unplasticized PVC	2"x55 yds.	Clear	36
/950125	Unplasticized PVC	2"x55 yds.	Tan	36

No.	Desc.	Size	Color	Pkg. Qty.
/950295	Nylon Reinforcement	3/8"x60 yds.	Clear	96
/950300	Nylon Reinforcement	1/2"x60 yds.	Clear	72
/950305	Nylon Reinforcement	3/4"x60 yds.	Clear	48
/950310	Nylon Reinforcement	1"x60 yds.	Clear	36
/950311	Nylon Reinforcement	1 1/2"x60 yds.	Clear	24
/950315	Nylon Reinforcement	2"x60 yds.	Clear	24

UNITED TAPE COMPANY
Masking Tape
UT-77 - Standard Grade



General purpose. Standard grade.

No.	Size	Pkg. Qty.	Cs. Cu. Ft.	Wt. Lbs.
/950022	1/2"x60 yds.	72	.7	13
/950025	3/4"x60 yds.	48	.7	13
/950029	1"x60 yds.	36	.7	13
/950031	1 1/2"x60 yds.	24	.7	13
/950033	2"x60 yds.	24	.8	15
/950037	3"x60 yds.	12	.7	13

UNITED TAPE COMPANY
Barricade Tape



Vinyl barricade ribbon. Nonpressure sensitive. High visibility 3" wide. Available in a variety of stock and special order lengths.

No.	Desc.	Size	Pkg. Qty.
/950374	Caution	3"x300'	16
/950375	Caution	3"x1000'	8
/950378	Danger	3"x1000'	8

Our order desk is always ready to assist you.

UNITED TAPE COMPANY
Electrical Tapes



No. 950060. Vinyl, 7 mil. UL Approved.
No. 950364. Non-filament strapping tape. 7 mil. Useful for color coding. UL Approved.

No.	Model No.	Size	Color	Pkg. Qty.
/950060	950060	3/4"x60'	Black	10/200
/950364	950364	3/4"x60 yds.	Black	10/200

UNITED TAPE COMPANY
Duct Tape



No. 950345. Polyethylene coated cloth. Contractor grade. Waterproof. For insulation, asbestos abatement, duct systems. 10 mil.

No. 950340. Cloth reinforced. Utility grade. Waterproof.

No.	Model No.	Size	Pkg. Qty.
/950345	950345	2"x60 yds.	24
/950340	950340	2"x60 yds.	24

UNITED TAPE COMPANY
Thread Sealing Tape



Teflon®. Chemically inert, withstands alkalis, acids, oil and solvents. Use on iron, stainless steel, copper, brass, plastic, glass or rubber pipes.

No.	Size	Pkg. Qty.
/950050	1/2"x260"	200
/950051	1/2"x520"	200
/950055	3/4"x520"	144

STRETCH FILM APPLICATORS
 Packaging Tools - Plastic

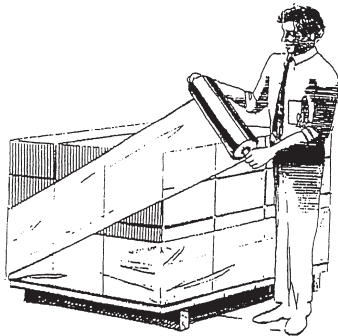


No. MIP-800A. Pistol grip. 12" to 20".

Pistol Grip Applicators

No.	Model No.	Desc.
/952001	MIP-800A	Pistol Grip

STRETCH FILMS



Hand Grade

No.	Ga.	Wdth. In.	Lgth. Ft.	Pkg. Qty.
/952061	60	12	2000	4
/952062	60	15	2000	4
/952063	60	18	2000	4
/952051	80	12	1500	4
/952052	80	15	1500	4
/952053	80	18	1500	4
/952121	80	3	1000	18
/952122	80	5	1000	12

Machine Grade

No.	Ga.	Wdth. In.	Lgth. Ft.	Pkg. Qty.
/952151	60	20	7500	40 Rolls
/952156	80	20	5500	40 Rolls

We are in touch with the world's largest and best manufacturers. Centralize your purchases with us!

RETRACTABLE BLADE UTILITY KNIVES



Extra blade storage in handle. 5 3/4" long with hang-up hole. Furnished with 3 heavy duty, retractable .025 blades.

No.	Color	Pkg. Qty.
/005063	Black	12
/005050	Green	12
/005054	Orange	12
/005057	Yellow	12

TECHNI EDGE Utility Knives Swift-Switch™



No tools needed to change blade. Heavy-duty, all metal ergonomic handle. Hold standard utility blades. High visibility orange.

No.	Desc.	Pkg. Qty.
/005058	w/Holster	9

TECHNI EDGE Utility Blades Type 92



Heavy duty. For home, industrial use. Fit all standard knives.

No.	Pkg. Qty.
/005035	100
/005030	5

BLADE DISPENSERS

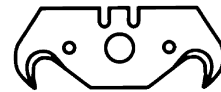


L92D

Plastic case houses 100 heavy duty utility knife blades. Used blade storage in top of dispenser.

No.	Model No.	Desc.
/005036	L92D	Blade Dispenser

TECHNI EDGE Utility Blades Deep Hook



No.	Desc.	Pkg. Qty.
/005040	w/Hole	5

UNITED TAPE COMPANY Carpenters' Chalks



Contractor grade. For self-chalking reels. Color coding based on Federal and OSHA recommendations regarding use of color coding and marking of physical hazards.

No.	Color	Size	Pkg. Qty.	Cs. Cu. Ft.	Wt. Lbs.
/9000101	Blue	8 Oz.	12	.33	6.96
/9000103	Orange	8 Oz.	12	.33	6.96
/9000105	Red	8 Oz.	12	.33	6.96
/9000107	White	8 Oz.	12	.33	6.96
/9000109	Yellow	8 Oz.	12	.33	6.96
/9000111	Blue	5 Lbs.	4	1.24	21.24
/9000113	Orange	5 Lbs.	4	1.24	21.24
/9000115	Red	5 Lbs.	4	1.24	21.24
/9000117	White	5 Lbs.	4	1.24	21.24
/9000119	Yellow	5 Lbs.	4	1.24	21.24

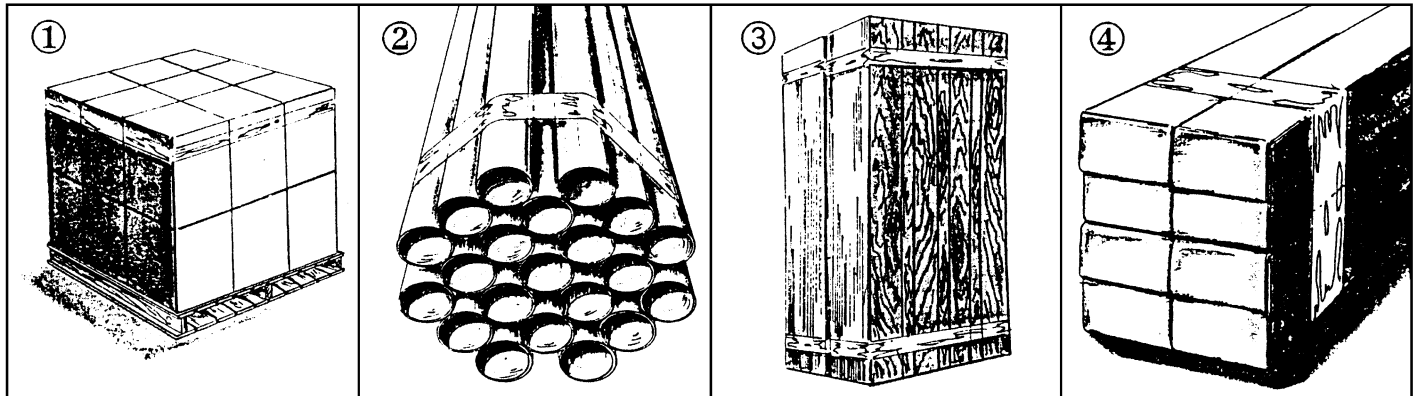
"THE WRAPPER"

From: National Packaging Specialists, Inc.

Perfect for Wrapping, Banding, Closing, Protecting, Tying, Securing, and Unitizing at Home, Office, Business, Plant or Construction Site.

"THE WRAPPER" does it better than strapping, tape, string, or wire because it has Rubberband Memory and holds on tight. Non-adhesive, it sticks only to itself and doesn't come loose until you tell it to.

"THE WRAPPER" holds thousands of things together BETTER and CHEAPER than other methods. It is made with 100% linear low density, cast tri-extruded, high cling stretch film.



A partial list of STRETCH BAND-IT commercial applications

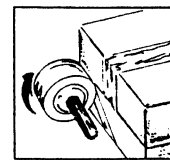
Pallet Wrapping
Poly Styrene (EPS)
Curtain Cleaners
Venetian Blinds (Levelor)
Bundles of Pipe

Wood Moldings
Magazines/Periodicals
Wire, spools of ribbon, & cloth
Department Stores
Automobile Parts
Houses

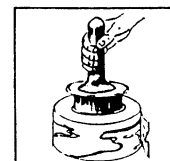
Freight Companies
Mailing/Catalog Companies
Printed Boxes
KD Corrugated boxes
Pharmaceutical Wholesalers
Nurseries

Moving Companies
Hose and Tubing
Hardwood flooring/Paneling
Laundries
Building Material Centers

Loading the Film



You must first determine the direction you will be stretch wrapping your product prior to loading the film. If you will be wrapping in a clockwise direction the film must feed off the roll in a clockwise direction. Likewise, if you are stretch wrapping in a counter-clockwise direction your film must feed off the roll in a counter-clockwise direction.



Place the film onto a smooth surface, as to not damage the film edges, and simply press fit your Band-It all the way into the film core, until the film core meets the Stretch Band-It's flanged lip.

***Band-It Together
Speedy • Convenient • Economical
Rubberband Memory***