

SIGNODE[®]

Protective Packaging Systems

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A Tradition and a Promise

Since 1913, Signode has been the leading worldwide provider of protective packaging systems, offering our customers low-cost solutions, high quality products and excellent service. As a Signode customer, you are assured that:

We will be your lowest cost supplier

- By reducing your costs
- By improving the arrival condition of your products
- By making your operations more productive

We'll guarantee your satisfaction

- With the highest quality products
- With on-site sales and engineering assistance
- With supervised installation, maintenance and safety training

We'll be the easiest to do business with

- By offering the most highly trained and responsive direct sales and service representatives in the industry
- By providing 24-hour, 7 days-a-week toll-free technical assistance
- By ensuring 24-hour emergency service and parts availability

Strapping Systems

Manufactured in the United States, Signode steel and plastic strapping is the number-one choice among packaging professionals worldwide. It has achieved this status through its unequalled performance reliability. Because Signode strapping is manufactured to exact specifications, you are assured high quality and dependability with every coil.

We manufacture two types of steel strapping: Apex Plus™ and Magnus®; and four types of plastic strapping: economical Empax™ and Contrax® polypropylene, heavy-duty Dymax® nylon and heavy-duty Tenax® polyester strapping. To effectively and efficiently apply the strapping, we manufacture a full line of hand tools, power strapping equipment and accessories. Your Signode sales representative can help you select the system that's suited to your particular application.

The Signode System

Whether you require strapping or hand tools, our sales, equipment service, customer service and engineering departments can help you design and implement the optimum protective packaging system for your application.

At Signode, we are committed to preserving and protecting the environment, from energy conservation to managing the waste we generate, as well as that of the customers we serve. Ask your sales representative about our sustainability and environmental initiatives.





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Mill wound



Ribbon wound

For uncompromising quality and packaging effectiveness

Consistent high quality makes Signode steel strapping the first choice among packaging professionals worldwide.

Types, sizes and finishes for all demanding applications

Signode offers two basic types of steel strapping: Apex Plus and Magnus. Each is specially formulated to meet the demands of a particular range of applications. And for each strapping type, there is a selection of sizes and finishes which matches the specific requirements of those applications.

Apex Plus™ strapping

A cold-rolled, low carbon steel strapping. Manufactured with superior edge conditioning and coating.

Magnus® strapping

A cold-rolled, medium carbon steel strapping. Heat-treated with a Signode process that combines fine surface and controlled physical properties with high strength and excellent shock resistance.

Steel strapping

The particular type of strapping best suited to a specific application generally depends on three factors: 1) the strapping's function or purpose, 2) the package characteristics and 3) shipping or handling considerations.

In a specific application, strapping may perform one or more of the following functions: package reinforcement, carton closure, securement, unitization, baling, bundling, bracing, palletization, compression retention and pilferage reduction.

Package characteristics that influence strap selection are: weight,

Apex Plus™ strapping

| Strap Size | | | | Part Number | Average Strength* | | Yield | | Coil Winding | Coil Weight lbs | Strap Finish |
|------------|------|-----------|------|-------------|-------------------|--------|-------|------|--------------|-----------------|-----------------|
| Width | | Thickness | | | lbs | N | ft/lb | M/kg | | | |
| inch | mm | inch | mm | | | | | | | | |
| 3/8 | 9.5 | .017 | 0.43 | 2X1502 | 975 | 4 340 | 46.1 | 31.0 | Mill | 105 | Painted & Waxed |
| 1/2 | 12.7 | .017** | 0.43 | 2X1504 | 1,275 | 5 670 | 34.6 | 23.3 | Mill | 105 | Painted & Waxed |
| 1/2 | 12.7 | .020 | 0.51 | 2X1270 | 1,475 | 6 560 | 29.4 | 19.7 | Mill | 105 | Painted & Waxed |
| 1/2 | 12.7 | .020 | 0.51 | 2X1174 | 1,475 | 6 560 | 29.4 | 19.7 | Mill | 105 | Zinc |
| 5/8 | 15.9 | .017** | 0.43 | 2X1505 | 1,625 | 7 230 | 27.7 | 18.6 | Mill | 105 | Painted & Waxed |
| 5/8 | 15.9 | .020 | 0.51 | 2X1253 | 1,825 | 8 120 | 23.6 | 15.8 | Mill | 105 | Painted & Waxed |
| 3/4 | 19.0 | .017** | 0.43 | 2X1506 | 1,900 | 8 450 | 23.1 | 15.5 | Mill | 105 | Painted & Waxed |
| 3/4 | 19.0 | .020 | 0.51 | 2X1509 | 2,150 | 9 560 | 19.6 | 13.1 | Mill | 105 | Painted & Waxed |
| 3/4 | 19.0 | .023 | 0.58 | 2X1551 | 2,500 | 11 120 | 17.1 | 11.5 | Mill | 105 | Painted & Waxed |

Magnus® strapping

| Strap Size | | | | Part Number | Average Strength* | | Yield | | Coil Winding | Coil Weight lbs | Strap Finish |
|------------|------|-----------|------|-------------|-------------------|--------|-------|------|--------------|-----------------|-----------------|
| Width | | Thickness | | | lbs | N | ft/lb | M/kg | | | |
| inch | mm | inch | mm | | | | | | | | |
| 1/2 | 12.7 | .020 | 0.51 | 085604 | 1,525 | 6 780 | 29.4 | 19.7 | Mill | 105 | Painted & Waxed |
| | | .020 | 0.51 | 075955 | 1,525 | 6 780 | 29.4 | 19.7 | Mill | 105 | Zinc |
| 5/8 | 15.9 | .020** | 0.51 | 085644 | 1,900 | 8 450 | 23.6 | 15.8 | Mill | 105 | Painted & Waxed |
| | | .020 | 0.51 | 076061 | 1,900 | 8 450 | 23.6 | 15.8 | Mill | 105 | Zinc |
| | | .023 | 0.58 | 088432 | 2,175 | 9 670 | 20.5 | 13.7 | Mill | 105 | Painted & Waxed |
| 3/4 | 19.0 | .020 | 0.51 | 089397 | 2,250 | 10 010 | 19.6 | 13.1 | Mill | 105 | Painted & Waxed |
| | | .023 | 0.58 | 089370 | 2,600 | 11 560 | 17.1 | 11.5 | Mill | 105 | Painted & Waxed |
| | | .025 | 0.64 | 085680 | 2,800 | 12 450 | 15.7 | 10.5 | Ribbon | 75 | Painted & Waxed |
| | | .025** | 0.64 | 085684 | 2,800 | 12 450 | 15.7 | 10.5 | Mill | 105 | Painted & Waxed |
| | | .025 | 0.64 | 076310 | 2,800 | 12 450 | 15.7 | 10.5 | Mill | 105 | Zinc |
| | | .029 | 0.74 | 2X1295 | 3,400 | 15 125 | 13.5 | 9.1 | Ribbon | 75 | Painted & Waxed |
| | | .029 | 0.74 | 2X1424 | 3,400 | 15 125 | 13.5 | 9.1 | Mill | 105 | Painted & Waxed |
| 1-1/4 | 31.8 | .025 | 0.64 | 089367 | 4,650 | 20 680 | 9.4 | 6.3 | Ribbon | 110 | Painted & Waxed |
| | | .029 | 0.74 | 2X1268 | 5,400 | 24 020 | 8.1 | 5.5 | Ribbon | 110 | Painted & Waxed |
| | | .029 | 0.74 | 2X1296 | 5,400 | 24 020 | 8.1 | 5.5 | Ribbon | 110 | Zinc |
| | | .035 | 1.12 | 0X4985 | 6,400 | 28470 | 6.7 | 2.0 | Ribbon | 110 | Painted & Waxed |
| 2 | 50.8 | .044 | 1.12 | 2X1438 | 7,900 | 35 140 | 5.3 | 3.5 | Ribbon | 110 | Painted & Waxed |
| | | .044 | 1.12 | 2X1439 | 12,500 | 55 600 | 3.3 | 2.2 | Ribbon | 120 | Painted & Waxed |

Anchor strapping — Apex Plus

| | | | | | | | | | | | |
|-----|------|------|------|--------|-------|-------|------|------|------|-----|-----------------|
| 3/4 | 19.0 | .017 | 0.43 | 2X1518 | 1,350 | 6 000 | 20.1 | 13.6 | Mill | 105 | Painted & Waxed |
|-----|------|------|------|--------|-------|-------|------|------|------|-----|-----------------|

Anchor strapping — Magnus

| | | | | | | | | | | | |
|-------|------|------|------|--------|-------|--------|-----|-----|--------|-----|-----------------|
| 1-1/4 | 31.8 | .029 | 0.74 | 2X1421 | 4,020 | 19 130 | 7.6 | 3.4 | Ribbon | 110 | Painted & Waxed |
|-------|------|------|------|--------|-------|--------|-----|-----|--------|-----|-----------------|

* Strap break strengths are listed as averages. Always use American Society for Testing Materials (ASTM D-3953) minimum break strengths for package design/safety factor purposes. For proper strap selection, contact your Signode sales representative.

** 300 ft. demonstration coils are available for these sizes.

stability, rigidity, integrity and sharpness of the edges (sharp edges may demand heavier strapping or corner protection).

Shipping considerations that affect the choice of strapping include: how far the package is shipped; how it's handled by both the shipper and receiver; and where and how it's stored.

If you have questions regarding your specific application, call your Signode sales representative for help in determining your strapping requirements.

All steel strapping sizes are manufactured at a plant that is certified to the latest ISO 9001 Standard.

Steel strap packaging

Coil winding

Signode strapping is produced in two basic coil windings:

Mill wound

The strapping is oscillated uniformly and tightly across the 2-1/2" (63.5mm) width of the coil.

Ribbon wound

Each layer is wound directly over the one below it so that the width of the strapping is the width of the coil.

Coil sizes

Inside diameter: 16" (406.4mm)

Outside diameter: Mill wound coils measure 23" (584.2mm). Ribbon wound coils vary from 23-1/2" to 27" (596.9mm to 685.8mm) depending on strap size.

Standard multi-coil skids

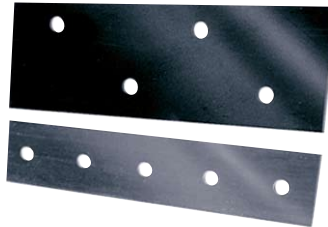
Twelve mill wound coils make up a standard skid. The number of ribbon wound coils will vary with strapping width.



Ribbon wound skid



Mill wound skid



Anchor strapping

The standard or stocked version of punched strapping comes in two sizes:

3/4" x 0.017" (19.0 x 0.43mm)

Apex Plus with in-line 0.145" (3.7mm) holes on 3/4" (19.0mm) centers and a strap strength of 1,255 lbs. (5 582 N).

1-1/4" x 0.029" (31.8 x 0.74mm)

Magnus with staggered 0.250" (6.4mm) holes on 1-1/2" (38.1mm) centers and a strap strength of 4,020 lbs. (17 881 N).

Standard strap finishes

Signode produces three different steel strapping finishes. Each is tailored to the requirements of particular tensioning methods, sealing devices and packaging applications.

Painted

Painted strapping is coated to offer corrosion resistance. Available in a wide range of Magnus strapping sizes, it is used in crimp-type seal systems to produce high joint strength.

Painted and waxed

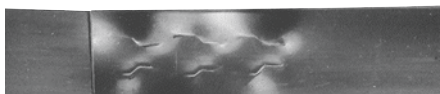
Painted and waxed strapping also provides corrosion resistance. Available in all Apex Plus and Magnus strap sizes, it can be used in notch or crimp-type seal systems. Its primary advantage is improved tension transmission around load corners. Waxed strapping is required for feedwheel-type tensioners.

Zinc painted and waxed

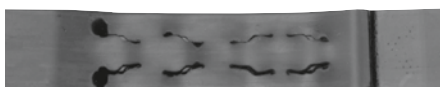
Zinc finish strapping is waxed and has a zinc-enriched coating to provide outstanding resistance to rust. Available in a variety of Apex Plus and Magnus sizes, it has the same improved tension transmission characteristics as the painted and waxed strapping. Zinc finish protects where it is needed most—at points of surface damage and scratches.

Sealless joint types

Sealless joints can be made with Signode manual or pneumatic combination tools. Using interlocking keys, the sealless joints provide static joint strength equal to that of notch-type joints. The reverse lock sealless joint features one reversed interlocking key for added security in impact conditions.



Three key sealless joint



Four key, reverse lock, sealless joint

Basic seal joint types

Notch joint

One way to lock strap ends is to cut, or "notch" the seal and the strapping it joins to form tabs at the edges. These tabs are bent down (down notch joint) or bent up (reverse notch joint). The strength of the notch joint comes from the mechanical interlock between the seal and strapping. Notch joints are typically used on waxed strapping in packaging and unitizing applications.



Down notch joint



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Reverse notch joint

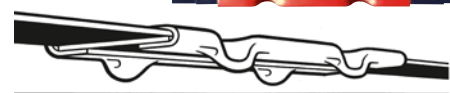


Crimp joint

Another way to seal the ends of strapping is to press or "crimp" undulations into the seal and strapping ends. The strength of the crimp joint comes from the deformed seal creating high frictional forces. Crimp joints produce high static and dynamic joint strengths and are used on applications like carloading in which the strapped load is subject to severe impact.



Crimp joint



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Seals

The choice of a specific seal is often most strongly influenced by the type of tool or machine selected to apply it.

Five standard seal types

Snap-on seals

Placed over the overlapping strap ends either during or after tensioning the strapping. Eliminates pre-threading. Speeds the strapping operation.



Thread-on seals

Must be threaded over the overlapping strap ends before the tensioning tool is applied. Generally used on bales, bundles and larger strap sizes.



Open-flange seals

Heavy-duty version of the snap-on. Requires no pre-threading.



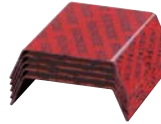
Push-type seals

Used where strap is tensioned by butting the nose of the tensioner against the seal. Overlapping flanges withstand the higher stress.



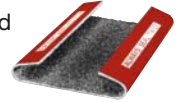
Nestack® seals

Held together by interlocking nibs. This Signode development permits loading partial stacks into magazines of seal feed combination tools and power strapping machines.



Microgrip® seals

For severe impact applications using waxed strapping. Microgrip seals are coated inside with a high-friction grit which bites through the wax to provide maximum holding power.



| Seal Name | Strap Size | | Part Number | Seal Type | Joint Type | Tool Name | Seal Length | | Standard Package | Approximate Shipping Weight | |
|-------------|------------|------|-------------|---|---|-------------------------------------|-------------|-------|------------------|-----------------------------|----|
| | inch | mm | | | | | inch | mm | | lbs | kg |
| 38 AL | 3/8 | 9.5 | 000555 | Nestack | Double Notch | AL-38 | .860 | 21.8 | 12,600 | 34 | 15 |
| 38 C | | | Snap-on | C-3820 | | 1.120 | 28.5 | 5,000 | 28 | 13 | |
| 38 SPC | | | Push | SRC-3820 | 1.047 | 26.6 | 5,000 | 38 | 17 | | |
| 12 AL | 1/2 | 12.7 | 000554 | Nestack | Double Notch | AL-12 | .860 | 21.8 | 9,100 | 42 | 19 |
| 12 AMP | | | Nestack | AM-12, AMP-1-12 | | 1.120 | 28.5 | 5,700 | 44 | 20 | |
| 12 C | | | Snap-on | C-1223, YC-1223 | 1.120 | 28.5 | 6,000 | 44 | 20 | | |
| 12 SPC | | | Push | PNSC-2-12, SRC-1223 | 1.047 | 26.6 | 3,000 | 30 | 14 | | |
| 58/34 AMP | 5/8 | 15.9 | 000567 | Nestack | Double Notch | AM-58, AM-34, AMP-1-58, AMP-1-34 | 1.120 | 28.5 | 4,000 | 40 | 18 |
| 58 C | | | Snap-on | C-5823, YC-5823 | | 1.250 | 31.8 | 4,800 | 45 | 20 | |
| 58 SPC | | | Push | PNSC-2-58, SRC-5823 | 1.047 | 26.6 | 5,000 | 58 | 26 | | |
| 34 C | 3/4 | 19.0 | 000600 | Snap-on | Double Notch | C-3423, YC-1-3425 | 1.250 | 31.8 | 5,000 | 55 | 25 |
| 34 HCOF | | | Open-flange | SYC-3431, RCND-34 | | 2.200 | 55.9 | 1,500 | 50 | 23 | |
| 34 HOC | | | Push | PRHM-34, PRHR-34, RCD-3431, RCNS2-34, SYC-3431, RCND-34 | 2.200 | 55.9 | 700 | 31 | 14 | | |
| 34 MNT | | | Nestack | AHP-34 | 1.500 | 38.1 | 2,400 | 48 | 22 | | |
| 34 PNSC | | | Push | PNSC-2-34, SRC-3423 | 1.047 | 26.6 | 4,000 | 54 | 25 | | |
| 34 SHOC | | | Push | RCNS2-34, SYC-3431 | 1.500 | 38.1 | 1,200 | 31 | 14 | | |
| 104 DG* | 1-1/4 | 31.8 | 007200 | Thread-on | Four Crimp | B-1431, B-1450, NSP-1435 | 4.750 | 120.7 | 500 | 53 | 24 |
| 107 DG* | | | Thread-on | Double Crimp | B-1431, B-1450, NSP-1435 | 2.937 | 74.6 | 700 | 46 | 21 | |
| 107 DG OF* | | | Open-flange | B-1431, B-1450, NSP-1435 | 2.937 | 74.6 | 500 | 33 | 15 | | |
| 114 A | 1-1/4 | 31.8 | 000612 | Nestack | Double Notch | AH-114, AHP-2-114 | 1.500 | 38.1 | 1,150 | 34 | 15 |
| 114 OF | | | Open-flange | Double Notch | C-1431, C-1450, RC-1435-50, RCD-1431, RCNS2-114, RCND-114 | 2.200 | 55.9 | 1,000 | 50 | 23 | |
| 114 P | | | Push | Double Notch | C-1431, C-1450, PRHR-114, RC-1435-50, RCD-1431, RCNS2-114, RCND-114 | 2.200 | 55.9 | 700 | 46 | 21 | |
| 114 TO | | | Thread-on | Double Notch | RCNS2-114, RCND-114 | 2.200 | 55.9 | 1,000 | 50 | 23 | |
| 117 HDG OF* | 1-1/4 | 31.8 | 2X2091 | Open-flange | Double Crimp | B-1450, N-1444-50LSH, N-1457-LSH-2A | 3.25 | 82.5 | 500 | 41 | 19 |
| 117 HDG TO* | | | Thread-on | Double Crimp | B-1450, N-1444-50LSH | 3.25 | 88.5 | 500 | 41 | 19 | |
| 208 DG* | 2 | 50.8 | 000588 | Thread-on | Double Crimp | B-250, NS-250-65L | 2.937 | 74.6 | 300 | 43 | 20 |
| 208 TO | 2 | 50.8 | 001871 | Thread-on | Double Crimp | B-250, NS-250-65L | 2.937 | 74.6 | 300 | 43 | 20 |

Power Strapping Machine (PSM) seals

| | | | | | | | | | | | |
|-----------|-------|------|--------|---------|--------------|-------------------------------|-------|------|-------|----|----|
| 38 MNA | 3/8 | 9.5 | 000562 | Nestack | Single Notch | M2, M5, M200 (300 cap) | .750 | 19.0 | 9,000 | 29 | 13 |
| 38 MN MNS | 3/8 | 9.5 | 000462 | Nestack | Single Notch | M2, M25 | .680 | 17.2 | 9,000 | 25 | 11 |
| 12 MNA | 1/2 | 12.7 | 000563 | Nestack | Single Notch | M20, M200 (250 cap) | .750 | 19.0 | 5,400 | 28 | 13 |
| 12 MN MNS | 1/2 | 12.7 | 000515 | Nestack | Single Notch | M2, M4, M5, M6, M25 | .680 | 17.2 | 8,400 | 26 | 12 |
| 58 MB | 5/8 | 15.9 | 000435 | Nestack | Double Notch | M22-58, M200 (300 cap) | .984 | 24.9 | 4,000 | 36 | 16 |
| 58 MN | 5/8 | 15.9 | 008996 | Nestack | Single Notch | M2, M4, M5, M6 | .680 | 17.2 | 8,400 | 30 | 14 |
| 58 MNA | 5/8 | 15.9 | 000565 | Nestack | Single Notch | M20-58, M200 (250 cap) | .750 | 19.0 | 4,800 | 30 | 14 |
| 34 MB | 3/4 | 19.0 | 000569 | Nestack | Double Notch | M40, M400 | .984 | 24.9 | 3,000 | 38 | 17 |
| 34 MNK | 3/4 | 19.0 | 000566 | Nestack | Single Notch | M22-34, M220 (250 cap) | .750 | 19.0 | 3,700 | 37 | 17 |
| 34 MNT | 3/4 | 19.0 | 007255 | Nestack | Triple Notch | M20-34, MH-34, M200 (250 cap) | 1.500 | 38.1 | 2,400 | 48 | 22 |
| 114 M | 1-1/4 | 31.8 | 000561 | Nestack | Double Notch | M361 | 2.000 | 50.8 | 750 | 42 | 19 |

* All seals designated as "DG" have an aluminum oxide grit glued to the inner face. Grit seals are used in crimp joint systems in conjunction with lubricated strapping to provide a source of friction.

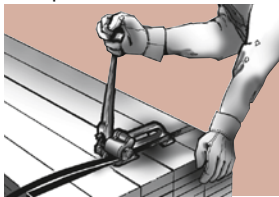


Signode hand tensioners allow operators to bring strap to desired tension with minimal interruption, effort and strap waste.

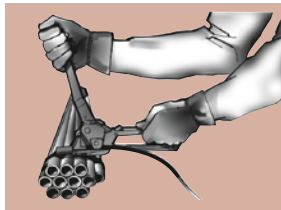
Most tensioners have a base which goes under the strapping and rests on the flat surface of the object being strapped. For smaller or irregular bundles, a push-type tensioner, which has no base under the strap is recommended.

Feedwheel—for general use

The feedwheel tensioner has a serrated feedwheel which engages the strapping firmly. There is no limit to the amount of slack it can pull out of the strap. Fast and easy to use, it requires the use of painted and waxed strapping.

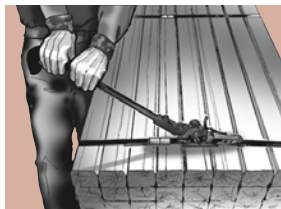


Push-type feedwheel—for round or irregular bundles



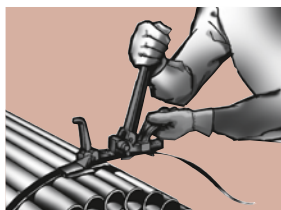
Windlass—for heavy-duty applications

The windlass tensioner simply winds one end of the strapping around a slotted windlass shaft. Used with dry, heavier strapping precut to desired lengths.



Rack-and-pinion—for heavy round or irregular applications

The rack-and-pinion tensioner uses a serrated gripping dog to hold the pulled strap end. It can be used with either dry or lubricated strapping on round or irregular shaped packages. This tensioner has limited take-up.



| Model | Part Number | Strap Size | | | | Strap Type | Strap Finish | Mech. Adv. | Weight | |
|-----------------------------|-------------|------------|-----------|-------------|-----------|-------------------|-----------------|------------|--------|-----|
| | | Width | | Thickness | | | | | lbs | kg |
| | | inch | mm | inch | mm | | | | | |
| Feedwheel tensioners | | | | | | | | | | |
| ST | 003480 | 3/8-3/4 | 9.5-19.0 | 0.017-0.023 | 0.43-0.58 | Apex Plus, Magnus | Painted & Waxed | 12 | 4 | 1.8 |
| T | 003450 | 5/8-3/4 | 15.9-19.0 | 0.017-0.035 | 0.43-0.64 | | | 18 | 5 | 2.3 |
| TH-34-114 | 020500 | 3/4-1-1/4 | 31.8 | 0.029-0.035 | 0.74-0.89 | Magnus | | 25 | 7 | 3.2 |



ST

T

TH-114

Push-type feedwheel tensioners

| | | | | | | | | | | |
|-----|--------|-----------|-----------|-------------|-----------|-------------------|-----------------|----|---|-----|
| PF | 017900 | 3/8-3/4 | 9.5-19.0 | 0.017-0.023 | 0.43-0.58 | Apex Plus, Magnus | Painted & Waxed | 18 | 4 | 1.8 |
| PFH | 017930 | 3/4-1-1/4 | 19.0-31.8 | 0.025-0.035 | 0.64-0.89 | Apex Plus, Magnus | Painted & Waxed | 23 | 7 | 3.2 |



PF

PFH

Windlass tensioners

| | | | | | | | | | | |
|---------|--------|-------|------|-------------|-----------|--------|--------------------------|----|----|-----|
| 4A1-114 | 184125 | 1-1/4 | 31.8 | 0.029-0.050 | 0.74-1.27 | Magnus | Painted, Painted & Waxed | 28 | 12 | 5.4 |
| 4A1-2 | 184140 | 2 | 50.8 | 0.044-0.050 | 1.12-1.27 | Magnus | | 33 | 16 | 7.3 |

Rack-and-pinion tensioners

| | | | | | | | | | | |
|------|--------|-----------|-----------|-------------|-----------|-------------------|-------------------------------|----|---|-----|
| PH-2 | 010065 | 3/4-1-1/4 | 19.0-31.8 | 0.017-0.035 | 0.43-0.89 | Apex Plus, Magnus | Painted, Painted & Waxed, Dry | 22 | 7 | 3.2 |
|------|--------|-----------|-----------|-------------|-----------|-------------------|-------------------------------|----|---|-----|



4A1-114, 4A1-2

PH-2

Manual Sealers

For steel strapping



Signode manual sealers provide positive sealing action with minimal effort. Light and durable, they lock strap ends into a high strength joint. Notch-type sealers cut into the seal and outer edges of the strapping, turning tabs down (down notch) or up (reverse notch).



Crimp-type sealers press the edges of the strapping and seal into wavy crimps specially shaped to produce maximum frictional forces on the strapping.



| Model | Part Number | Strap Size | | | | Working Position (Action) | Seal Name | Joint Type | Weight | |
|---|-------------|------------|------|-------------|-------------|---------------------------|-----------|-------------------|--------|-----|
| | | Width | | Thickness | | | | | lbs | kg |
| inch | mm | inch | mm | | | | | | | |
| Regular-duty sealers—front and side-action | | | | | | | | | | |
| C-3820 | 008600 | 3/8 | 9.5 | 0.017-0.020 | 0.43-0.51 | Front | 38 C | Double Notch | 3 | 1.4 |
| SRC-3820 | 008620 | | | | | | 38 SPC | Single Rev. Notch | | |
| C-1223 | 008605 | 1/2 | 12.7 | 0.017-0.023 | 0.43-0.58 | Front | 12 C | Double Notch | | |
| SRC-1223 | 008625 | | | | | | 12 SPC | Single Rev. Notch | | |
| YC-1223 | 023850 | | | | | Side | 12 C | Double Notch | | |
| C-5823 | 008610 | 5/8 | 15.9 | 0.017-0.023 | 0.43-0.58 | Front | 58 C | Double Notch | | |
| SRC-5823 | 008630 | | | | | | 58 SPC | Single Rev. Notch | | |
| YC-5823 | 023858 | | | | | Side | 58 C | Double Notch | | |
| C-3423 | 008615 | 3/4 | 19.0 | 0.017-0.023 | 0.43-0.58 | Front | 34 C | Double Notch | | |
| SRC-3423 | 008635 | | | | | | 34 PNSC | Single Rev. Notch | | |
| YC-1-3425 | 023875 | | | Side | 0.017-0.025 | 0.43-0.64 | 34 C | Double Notch | | |

C-3820
C-1223
C-5823
C-3423



YC-1223
YC-5823
YC-1-3425



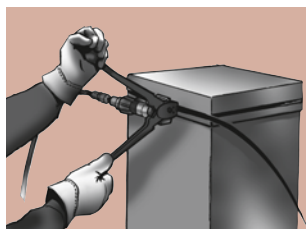
SRC-3820
SRC-1223
SRC-5823
SRC-3423



Two sealer types Side-action and front-action

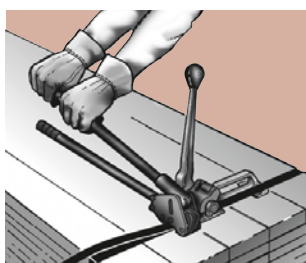
Front-action

Front-action sealer handles are held perpendicular to the strapping, usually in front of the operator who pushes the handles together close to the chest. Generally for light-duty strapping applications.



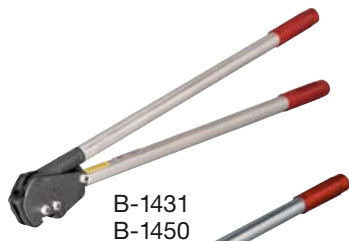
Side-action

The side-action sealer's lower handle can be rested on the flat surface of the unit being strapped. Operators can apply much of their weight with both hands on the upper handle. Generally for heavier strapping applications.



Heavy-duty sealers—side-action

| Model | Part Number | Width | Thickness | Working Position (Action) | Seal Name | Joint Type | Weight |
|------------|-------------|-------------------------|---------------|---------------------------|---------------------------|------------------|---------------------------------------|
| inch | mm | inch | mm | | | | lbs kg |
| SYC-3431 | 004040 | 3/4 | 19.0 | Side | 34 HC OF, 34 HOC, 34 SHOC | Single Notch | 6 2.7 |
| RCD-3431 | 020560 | | | | 34 HOC | Dble. Rev. Notch | 7 3.2 |
| B-1431 | 020380 | 1-1/4 | 31.8 | Side | 104 DG, 107 DG | Single Crimp | 6 2.7 |
| B-1450 | 020580 | | | | 0.044 1.12 | | 104 DG, 107 DG, 107 DG OF, 117 HDG OF |
| C-1435 | 003970 | | | | 0.029-0.031 0.74-0.79 | 114 OF, 114 P | 8 3.6 |
| C-1450 | 003990 | | | | 0.044 1.12 | 114 OF, 114 P | 8 3.6 |
| RC-1435-50 | 004050 | | | | 0.029-0.044 0.74-1.12 | 114 OF, 114 P | 7 3.2 |
| RCD-1431 | 020350 | 0.029-0.031 0.74-0.79 | 114 OF, 114 P | Dble. Rev. Notch | 7 3.2 | | |
| B-250 | 020530 | 2 | 50.8 | Side | 208 DG | Single Crimp | 12 5.4 |



Pneumatic Tensioners & Sealers



For steel strapping

Tensioners

Signode pneumatic tensioners take most of the effort out of strapping large or compressible packages. They also make tensioning uniform and precise through adjustment of the air pressure regulator.



All pneumatic tensioners, except the WP-2, have unlimited strap take-up. It is essential that an air filter-regulator-lubricator assembly be installed ahead of the tool on the air line. See page 11 for pneumatic tool accessories.

| Model | Part Number | Strap Size | | | | Strap Type | Strap Finish | Maximum Strap Tension | | Weight | |
|-------|-------------|------------|----|-----------|----|------------|--------------|-----------------------|---|--------|----|
| | | Width | | Thickness | | | | lbs | N | lbs | kg |
| | | inch | mm | inch | mm | | | | | | |

Feedwheel tensioners

| | | | | | | | | | | | |
|----------|--------|-----------|-----------|-----------|-----------|--------------|-----------------|-------|--------|----|------|
| FN-114T | 008810 | 3/4-1-1/4 | 19.0-31.8 | .031-.044 | 0.79-1.12 | Magnus | Painted & Waxed | 3,000 | 13 350 | 24 | 10.9 |
| HN-1-114 | 027050 | 1-1/4 | 31.8 | .029-.044 | 0.74-1.12 | Apex, Magnus | Painted & Waxed | 2,800 | 12 454 | 18 | 8.2 |



FN-114T



HN-1-114

Push-type tensioner

| | | | | | | | | | | | |
|----------|--------|-----------|-----------|-----------|-----------|--------|-----------------|-------|-------|-----|-----|
| PN-2-114 | 423500 | 3/4-1-1/4 | 19.0-31.8 | .020-.044 | 0.51-1.12 | Magnus | Painted & Waxed | 1,600 | 7 117 | 8.1 | 3.7 |
| PN-2-2 | 428360 | 2 | 50.8 | .044 | 1.12 | Magnus | Painted & Waxed | 1,600 | 7 117 | 8.1 | 3.7 |



PN-2-114



PN-2-2

Windlass tensioner

| | | | | | | | | | | | |
|------|--------|---|------|------|------|--------|-----------------|-------|--------|----|------|
| WP-2 | 023070 | 2 | 50.8 | .044 | 1.12 | Magnus | Painted & Waxed | 8,000 | 35 590 | 23 | 10.4 |
|------|--------|---|------|------|------|--------|-----------------|-------|--------|----|------|



WP-2

Sealers

Signode pneumatic sealers let compressed air do most of the work. They are used to achieve high production on heavy strapping, especially when seals are in awkward positions or whenever productivity must be maximized.

These labor-saving sealers come in two basic styles. Those featuring pistol grips are lightweight for easy one-hand operation. Diaphragm types are for heavier-duty applications such as carloading.



All pneumatic sealers require an air filter and regulator. See page 11 for pneumatic tool accessories.

| Model | Part Number | Strap Size | | | | Seal Name | Joint Type | Weight | |
|-------|-------------|------------|----|-----------|----|-----------|------------|--------|----|
| | | Width | | Thickness | | | | lbs | kg |
| | | inch | mm | inch | mm | | | | |

Sealers

| | | | | | | | | | |
|----------------|--------|-------|------|-------------|-----------|-----------------------|-------------------|----|------|
| RCND-34 | 427770 | 3/4 | 19.0 | 0.025-0.040 | 0.64-1.12 | 34C, 34 HCOF, 34 HOC | Dble. Rev. Notch | 11 | 5.0 |
| RCNS2-34 | 424200 | 3/4 | 19.0 | 0.025-0.031 | 0.64-0.79 | 34 HOC, 34 SHOC, | Single Rev. Notch | 9 | 4.1 |
| RCND-114 | 427800 | 1-1/4 | 31.8 | 0.025-0.040 | 0.64-1.12 | 114 I, 114 OF, 114 TO | Dble. Rev. Notch | 11 | 5.0 |
| RCNS2-114 | 424125 | 1-1/4 | 31.8 | 0.025-0.031 | 0.64-0.79 | 114 OF, 114 P, 114 TO | Single Rev. Notch | 9 | 4.1 |
| N-1444-50LSH | 024271 | 1-1/4 | 31.8 | 0.044-0.050 | 1.12-1.27 | 117 HDG OF | Double Crimp | 22 | 10.0 |
| N-1457-LSH-2A* | 423810 | 1-1/4 | 31.8 | 0.050-0.057 | 1.27-1.45 | 117 HDG OF | Double Crimp | 32 | 14.5 |
| NSP-1435 | 015600 | 1-1/4 | 31.8 | 0.029-0.035 | 0.79-0.89 | 107 DG, 107 DG OF | Single Crimp | 9 | 4.1 |
| NS-250-65L | 014360 | 2 | 50.8 | 0.044-0.050 | 1.12-1.27 | 208 DG | Single Crimp | 22 | 10.0 |
| RCNS-250 | 046840 | 2 | 50.8 | 0.044-0.050 | 1.12-1.27 | 208 TO | Single Rev. Notch | 10 | 4.5 |

Pistol grip



NSP-1435
RCNS2-34
RCNS2-114
RCNS-250

Large diaphragm



N-1444-50LSH
N-1457-LSH-2A
NS-250-65L

RCND-34, RCND-114

* Three seals are required per joint.

Combination Tools

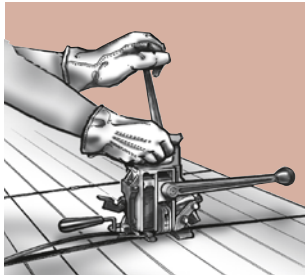
For steel strapping



Combination tools function as tensioners, sealers, and cutters. They save time by eliminating the handling of separate tools.

Manual seal-feed

Seal-feed combination tools carry a stack of seals in a magazine for fast, easy loading. Manually operated seal-feed combination tools include the AH, AL, and AM series models.



Manual sealless

The SCM and SCMH sealless combination tools require no metal seals, saving time and money. Production interruptions for reloading are eliminated, along with the purchasing, inventorying and loading of seals. Sealless combination tools use interlocking keys to secure the ends of the strap.



Pneumatic seal-feed

Using applied air pressure as a power source, pneumatic seal-feed combination tools quickly and effortlessly tension, seal and cut the strapping. These tools include the AHP and the AMP.



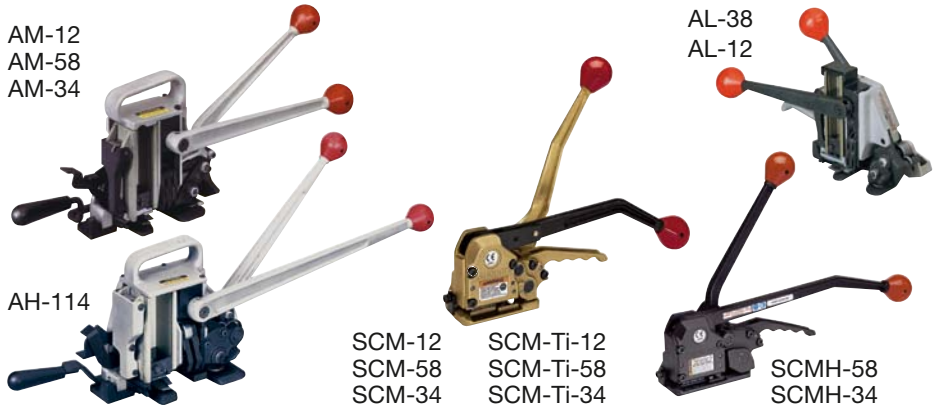
Pneumatic sealless

Pneumatic sealless combination tools include the SLP and the SPC.

| Model | Part Number | Strap Size | | | | Strap Type | Seal Name | Joint Type | Weight | |
|-------|-------------|------------|----|-----------|----|------------|-----------|------------|--------|----|
| | | Width | | Thickness | | | | | lbs | kg |
| | | inch | mm | inch | mm | | | | | |

| Manual seal-feed | | | | | | | | | | |
|------------------|--------|-------|------|-------------|-----------|-------------------|-----------|--------------|----|------|
| AL-38 | 023380 | 3/8 | 9.5 | 0.017-0.020 | 0.43-0.51 | Apex Plus | 38 AL | Double Notch | 8 | 3.6 |
| AL-12 | 023300 | 1/2 | 12.7 | 0.017 | 0.43 | | 12 AL | | | |
| AM-12 | 023230 | 1/2 | 12.7 | 0.017-0.023 | 0.43-0.58 | Apex Plus, Magnus | 12 AMP | Double Notch | 14 | 6.4 |
| AM-58 | 023220 | 5/8 | 15.9 | 0.017-0.023 | 0.43-0.58 | | 58/34 AMP | | | |
| AM-34* | 023200 | 3/4 | 19.0 | 0.017-0.025 | 0.43-0.64 | | | | | |
| AH-114 | 015700 | 1-1/4 | 31.8 | 0.031-0.035 | 0.79-0.89 | Magnus | 114 A | DRN** | 25 | 11.3 |

| Manual sealless | | | | | | | | | | |
|-----------------|--------|-----|------|-------------|-----------|-------------------|----------|-------|-----|-----|
| SCM-12 | 424350 | 1/2 | 12.7 | 0.017-0.023 | 0.43-0.58 | Apex Plus, Magnus | Sealless | 3 Key | 8.4 | 3.8 |
| SCM-58 | 424358 | 5/8 | 15.9 | | | | | | | |
| SCM-34 | 424334 | 3/4 | 19.0 | 0.017-0.025 | 0.43-0.64 | | | | | |
| SCM-Ti-12 | 426840 | 1/2 | 12.7 | 0.017-0.023 | 0.43-0.58 | Apex Plus, Magnus | Sealless | 3 Key | 6 | 2.7 |
| SCM-Ti-58 | 426845 | 5/8 | 15.9 | | | | | | | |
| SCM-Ti-34 | 426850 | 3/4 | 19.0 | 0.017-0.025 | 0.43-0.64 | | | | | |
| SCMH-58 | 424510 | 5/8 | 15.9 | 0.020-0.023 | 0.51-0.58 | Apex Plus, Magnus | Sealless | 3 Key | 11 | 5.0 |
| SCMH-34 | 424500 | 3/4 | 19.0 | 0.023-0.031 | 0.58-0.79 | | | | | |



| Pneumatic seal-feed | | | | | | | | | | |
|---------------------|--------|-------|------|-------------|-----------|-------------------|-----------|--------------|----|------|
| AMP-1-12 | 024780 | 1/2 | 12.7 | 0.020-0.023 | 0.51-0.58 | Magnus | 12 AMP | Double Notch | 22 | 10 |
| AMP-1-58 | 024770 | 5/8 | 15.9 | 0.020-0.023 | 0.51-0.58 | Apex Plus, Magnus | 58/34 AMP | | 22 | 10 |
| AMP-1-34 | 024760 | 3/4 | 19.0 | 0.020-0.025 | 0.51-0.64 | Magnus | | | 22 | 10 |
| AHP-34 | 023700 | 3/4 | 19.0 | 0.031 | 0.79 | Magnus | 34 MNT | | 40 | 18.1 |
| AHP-2-114 | 015650 | 1-1/4 | 31.8 | 0.025-0.035 | 0.64-0.89 | Magnus | 114 A | DRN** | 40 | 18.1 |

| Pneumatic sealless | | | | | | | | | | |
|--------------------|--------|-------|------|-------------|-----------|-------------------|----------|-------|----|------|
| SLP-12 | 422350 | 1/2 | 12.7 | 0.017-0.023 | 0.43-0.58 | Apex Plus, Magnus | Sealless | 3 Key | 15 | 6.4 |
| SLP-58 | 422355 | 5/8 | 15.9 | 0.017-0.023 | 0.43-0.58 | | | | | |
| SLP-34 | 422360 | 3/4 | 19.0 | 0.017-0.025 | 0.43-0.64 | | | | | |
| SPC-3431 | 422446 | 3/4 | 19.0 | 0.025-0.031 | 0.64-0.79 | Magnus | Sealless | 4 Key | 24 | 10.8 |
| SPC-114 | 423125 | 1-1/4 | 31.8 | 0.025-0.031 | 0.64-0.79 | Magnus | Sealless | 4 Key | 37 | 16.8 |



*A conversion kit is available to accommodate 0.031 strapping (Part No. 306815). **Double Reverse Notch



Pneumatic push-type

Pneumatic push-type combination tools, including the PNSC and PRH-Series models, are used with push-type seals on irregular-shaped packages. Air power tensions, seals and cuts the strapping.



| Model | Part Number | Strap Size | | | | Strap Type | Seal Name | Joint Type | Weight | |
|----------------------------|-------------|------------|------|-------------|-----------|-------------------|-----------|------------|--------|------|
| | | Width | | Thickness | | | | | lbs | kg |
| | | inch | mm | inch | mm | | | | | |
| Pneumatic push-type | | | | | | | | | | |
| PNSC 2-12 | 422495 | 1/2 | 12.7 | 0.017-0.023 | 0.43-0.58 | Apex Plus, Magnus | 12 SPC | Single | 9.5 | 4.3 |
| PNSC 2-58 | 422496 | 5/8 | 15.9 | 0.017-0.023 | 0.43-0.58 | | 58 SPC | | | |
| PNSC 2-34 | 422497 | 3/4 | 19.0 | 0.017-0.025 | 0.43-0.64 | | 34 PNSC | | | |
| PNSC 2-34HT | 422881 | 3/4 | 19.0 | 0.017-0.025 | 0.43-0.64 | | 34 PNSC | | | |
| PRHM-34 | 306700 | 3/4 | 19.0 | 0.025-0.031 | 0.64-0.79 | Magnus | 34 HOC | Double | 16 | 7.3 |
| PRHR-34 | 424234 | 3/4 | 19.0 | 0.025-0.031 | 0.64-0.79 | Magnus | 34 HOC | Reverse | 34 | 15.4 |
| PRHR-114 | 423570 | 1-1/4 | 31.8 | 0.025-0.035 | 0.64-0.89 | | 114 P | Notch | 34 | 15.4 |



Pneumatic accessories



Note: Use lightweight, non-detergent oil in lubricator, such as Non-Fluid Oil No. LS-1236 (Part No. 008556) or equivalent.

A filter-regulator-lubricator (FRL) assembly (Part No. 429141, with hose) or (Part No. 429130, without hose) is needed with all pneumatic tools. Additional fittings and air hoses are available from Signode, such as those shown at right, to help provide optimum operation. Please contact your local Signode sales representative for more information on the proper fittings for your specific tool.

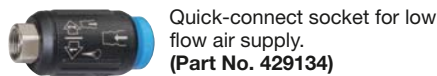
Check the air pressure at the tool with a separate air gauge to verify proper air pressure.



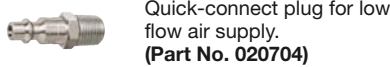
Low flow air gauge. (Part No. 425238)



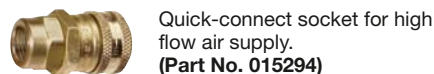
High flow air gauge. (Part No. 429127)



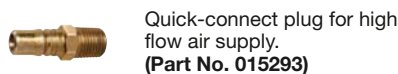
Quick-connect socket for low flow air supply. (Part No. 429134)



Quick-connect plug for low flow air supply. (Part No. 020704)

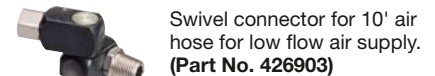
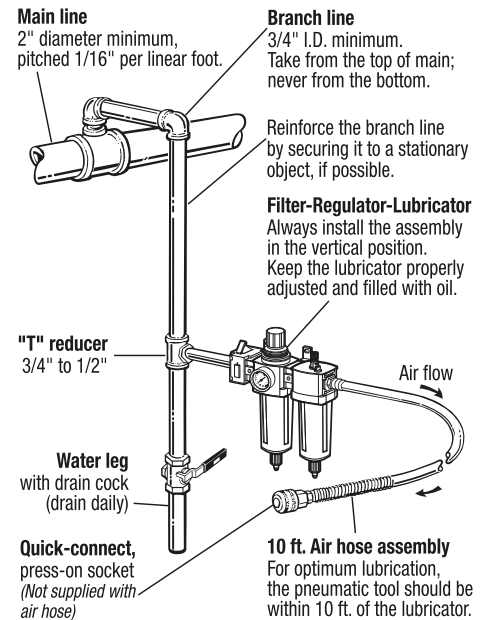


Quick-connect socket for high flow air supply. (Part No. 015294)

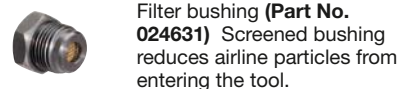


Quick-connect plug for high flow air supply. (Part No. 015293)

Recommended Air Line Piping



Swivel connector for 10' air hose for low flow air supply. (Part No. 426903)



Filter bushing (Part No. 024631) Screened bushing reduces airborne particles from entering the tool.

Dispensers

For steel strapping

SIGNODE®



DF-7A
Inexpensive model for mill wound coils.
General use.



DF-15
For typical shipping room. Easily loaded with
mill wound coils.



DF-10RW
Accepts mill wound or ribbon wound coils
3/4" and 1-1/4" in width.



DO-3A
Overhead dispenser for mill wound coils. Wall
mounting bracket (WB, Part No. 002817) and
ceiling bracket (CB-9, Part No. 002816) are
available.



Straproller Feature
Prevents strap spillage and tangling.



Coil Lifter
Capable of lifting up to 125 lb. strap coils,
the standard coil lifter is designed for easy
dispenser loading, both vertically and horizontally.
Accommodates both mill and ribbon wound
steel strap coils as well as standard plastic coils.
Available in a stationary (Part No. 425650) or
portable model (Part No. 424700).



DF-23
Fits almost anywhere. Pays off from the inside
of the coil. Mobile with optional DM-23 cart.
Cover required for strap over 0.023" (0.58mm).
Cover sold separately (Part No. 024219).



DM-23
Makes the DF-23 mobile (Part No. 017000).

| Strap Dispenser Model | Part Number | Strap Size | | Coil winding | | Feeds from | | Strap- troller Feature | Portable | Tool Tray | Dimensions | | | | | | Dispenser Weight | |
|-----------------------------|-------------|--------------|--------------|--------------|--------|-----------------------|-----------------------|------------------------------|----------|-----------|------------|-------|--------|-----|--------|-----|---------------------|------|
| | | | | Mill | Ribbon | Outside Vert. Coil | Inside Horiz. Coil | | | | Height | | Width | | Length | | | |
| | | inch | mm | | | inch | mm | | | | inch | mm | inch | mm | lbs | kg | | |
| DF-7A | 059999 | 3/8-3/4 | 9.5-19.0 | • | | • | | | • | • | 28 | 711 | 13-1/2 | 343 | 35 | 889 | 63 | 28 |
| DF-15* | 273725 | 3/8-3/4 | 9.5-19.0 | • | | • | | | • | • | 37-3/4 | 959 | 25 | 635 | 16 | 406 | 54.5 | 24.7 |
| DF-10RW | 020420 | 3/4 or 1-1/4 | 19.0 or 31.8 | • | • | • | | | • | • | 41 | 1 041 | 18-1/2 | 470 | 28 | 711 | 94 | 43 |
| DO-3A | 002870 | 3/8-3/4 | 9.5-19.0 | • | | • | | | • | | 31 | 787 | 6-3/4 | 171 | 27-3/4 | 705 | 41 | 18 |
| DF-23 | 024200 | 3/8-3/4 | 9.5-19.0 | • | | | • | | | | 8 | 200 | 24-1/2 | 622 | 24-1/2 | 622 | 35 | 16 |

* Dispenser can be used with both steel and plastic strapping.



DTR-3
Heavy-duty carloading. Rubber tires for easy mobility. Holds one coil 3/4", two coils 1-1/4", and one coil 2" strapping.



DT-1-10RW
Heavy-duty dispenser. Ideal for outdoor use in rough terrain.



DH-1-34, DH-1-114, DH-1-2
For use with heavy-duty strapping.



DA-34-114
Heavy-duty dispenser. Pays off from inside of coil.



DF-1-12
For power equipment only. Dancer arm and brake. Base sold separately (Part No. 024360).



DP-1-12R
Pneumatic reversing dispenser. Generally for power strapping machines with large chute systems.



DC-1A
Built-in strap cutter for pre-cutting. Holds any two ribbon wound coils.



DPCL
Cuts strapping automatically up to 100 ft. in length.

| Strap Dispenser Model | Part Number | Strap Size | | Coil winding | | Feeds from | | Strap-troller Feature | Portable | Tool Tray | Dimensions | | | | | | Dispenser Weight | |
|-----------------------|-------------|--------------|--------------|--------------|--------|--------------------|--------------------|-----------------------|----------|-----------|------------|-------|--------|-----|--------|-------|------------------|-----|
| | | inch | mm | Mill | Ribbon | Outside Vert. coil | Inside Horiz. coil | | | | Height | | Width | | Length | | lbs | kg |
| | | | | | | | | | | | inch | mm | inch | mm | inch | mm | | |
| DTR-3 | 164520 | 3/4-2 | 19.0-50.8 | | • | • | | | • | • | 46-1/2 | 1 181 | 15-1/4 | 387 | 27-1/2 | 699 | 110 | 50 |
| DT-1-10RW | 011442 | 5/8-1-1/4 | 15.9-31.8 | • | • | • | | • | • | • | 42 | 1 067 | 22 | 559 | 34 | 864 | 125 | 57 |
| DH-1-34 | 047538 | 3/4 | 19.0 | | • | • | | | | | 29-3/4 | 756 | 6-3/4 | 171 | 22-1/4 | 565 | 46 | 21 |
| DH-1-114 | 047537 | 1-1/4 | 31.8 | | • | • | | | | | 29-3/4 | 756 | 7-1/4 | 184 | 22-1/4 | 565 | 46 | 21 |
| DH-1-2 | 047539 | 2 | 50.8 | | • | • | | | | | 29-3/4 | 756 | 8 | 203 | 22-1/4 | 565 | 46 | 21 |
| DA-34-114 | 020400 | 3/4 or 1-1/4 | 19.0 or 31.8 | | • | | • | | | | 25-1/4 | 641 | 27-1/2 | 699 | 31 | 787 | 131 | 59 |
| DF-1-12 | 031317 | 3/8-3/4 | 9.5-19.0 | • | | • | | | | | 32 | 813 | 10 | 254 | 24-1/2 | 622 | 95 | 43 |
| DP-1-12R | 040900 | 3/8-3/4 | 9.5-19.0 | • | | • | | | | | 36-3/4 | 933 | 12-3/8 | 314 | 47-1/4 | 1 200 | 170 | 77 |
| DC-1A | 005720 | 3/4-2 | 19.0-50.8 | | • | • | | | | | 29* | 737 | 15 | 381 | 32-1/2 | 826 | 97 | 44 |
| DPCL | 083001 | 3/8-2 | 9.5-50.8 | • | • | • | | | | | 36 | 914 | 21 | 533 | 52 | 1 321 | 450 | 204 |

* With coil.

Tool Suspension Systems

For steel and plastic strapping



Overhead tool balancers

Tool balancers are the easiest and most efficient way to suspend strapping tools from a fixed ceiling bracket, monorail, jib or bridge crane.



BFL-9
Part No. 423283*
6-9 lbs. (2.7-4.1 kg),
6.6 ft. (2 m) cable travel



EB2500R
Part No. 485001*
18-25 lbs. (8.2-11.4 kg),
6.6 ft. (2 m) cable travel



10FLR
Part No. 485010
4-10 lbs. (1.8-4.5 kg),
8 ft. (2.4 m) cable travel

15FLR
Part No. 485011
8-15 lbs. (3.6-6.8 kg),
8 ft. (2.4 m) cable travel

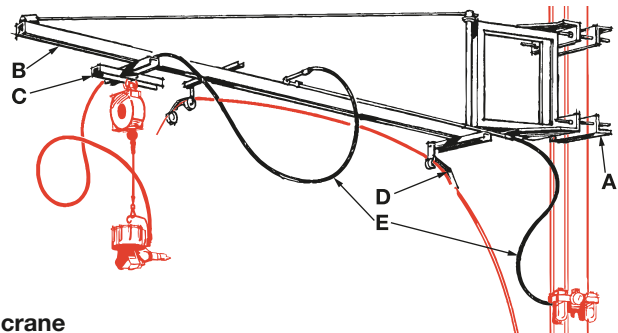
BFL-13
Part No. 306809*
9-13 lbs. (4.1-5.9 kg),
6.6 ft. (2 m) cable travel

EB3500R
Part No. 485002
25-35 lbs. (11.3-15.9 kg),
6.6 ft. (2 m) cable travel

BFL-18
Part No. 423278*
13-18 lbs. (5.9-8.2 kg),
6.6 ft. (2 m) cable travel

EB4500R
Part No. 485003
35-45 lbs. (15.9-20.5 kg),
6.6 ft. (2 m) cable travel

* Ratchet lock halts cable at desired position, prevents creep. The lock can be released by a tug and can also be disengaged.



Jib crane

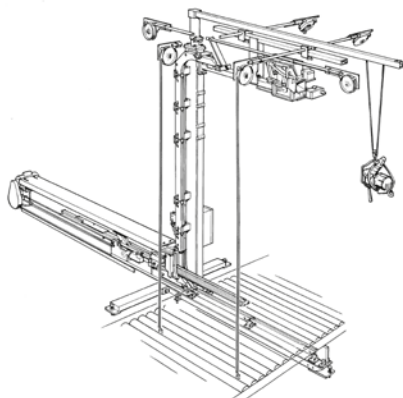
Signode's JN-15, Part No. 084165, is a 15 ft. (4.6 m) jib crane used to suspend pneumatic combination tools overhead. It handles steel strapping in widths up to 1-1/4" (31.8 mm).

- A. Post mounting bracket
- B. Enclosed trolley track
- C. Tool carrier assembly
- D. Strap guide rollers
- E. Air line components

Power Strap Feeder (PSF-2)

For plastic and steel strapping

The PSF-2 power strap feeder is designed to improve virtually any manual packaging operation regardless of package size, strapping material, pallet type or packaging line configuration.



The modular design can be customized to accommodate your packaging operation.

Standard features: automatic strap feed shutoff, automatic seal feed bend-over device.

Options: chute extensions, casters, pallet void feeding attachments, strap grippers, strap directors and more.

Efficiency

Automatic strap feeding greatly improves production speed and helps eliminate bottlenecks.

Economy

The PSF-2 requires only one operator (two or more are required for manual strap feeding), which can significantly reduce operating costs. Your labor cost savings, coupled with increased production, elimination of bottlenecks and the PSF-2's low cost, gives you a relatively quick return on investment.

Specifications

- Maximum package size:** 76"H (1930mm), 48" (1219mm) front to back
- Steel strapping:** 3/8" x .017" to 3/4" x .031" (9.5mm x 0.43mm to 19mm x 0.79mm)
- Plastic strapping:** Tenax® 1716, 1718, 1816, 1818, 1822, 2030, 2040
Conrax® HD 723, HD 729, 816, 818
- Dispenser:** DF-23, DF-1-12D
- Tool suspension:** Overhead jib suspension with cable
- Motor:** 1/4 hp (.1864 KW), 1140 RPM, 115V, single phase, 60Hz

Cutters—for plastic and steel strapping



Model CY-29
Part No. 426000
Lightweight.
Improved alloy steel. Cuts strap through 3/4" x 0.031" (19.0 x 0.79mm). Shipping weight: 1.5 lbs. (0.68 kg)



Model CY-30
Part No. 426010
Lightweight.
Improved alloy steel. Cuts strap through 1-1/4" x 0.035" (31.8 x 0.89mm). Shipping weight: 3 lbs. (1.35 kg)



Model CU-30
Part No. 005899
Lightweight.
One-hand operation. Cuts strap through 1-1/4" x 0.035" (31.8 x 0.89mm). Shipping weight: 3 lbs. (1.35 kg)



Model CU-25
Part No. 005740
For strap removal or cutting strap to length. Replaceable blades. Cuts strap through 2" x 0.050" (50.8 x 1.27mm). Shipping weight: 8 lbs. (3.6 kg). Available with extra long handles; Part No. 0X1528; for 2" x 0.050".

Anti-skid plates

Anti-skid plates are simple, inexpensive devices that minimize product shifting in trailers or railcars.

No. 1, Part No. 005493

Used principally beneath pallets or skids in trailers, trailers on flatcars (TOFC), containers on flatcars (COFC), open top railcars and boxcars. For heavy loads. Dimensions: 3-3/4" x 5" (95.2 mm x 127.0mm). Standard pack: 125 pcs., 36 lbs. (16.3 kg).

No. 2, Part No. 001999

Used beneath pallets or skids in trailers or railcars. For lighter loads. Diameter: 1-3/8" (34.9mm). Standard pack: 2500 pcs., 43 lbs. (19.5 kg).



Digital tension meter for plastic and steel strapping

The Tensiometer is easy to operate and provides instant tension values for polyester or steel strapping without table conversions.



| Model | Part Number | Tension Range lbs. | Strap Thickness - inch (mm) | |
|-------|-------------|--------------------|-----------------------------|------------------------|
| | | | Polyester | Steel |
| 250 | 428480 | 5-250 | 0.012-0.026 (0.30-0.66) | |
| 500 | 428490 | 25-500 | 0.017-0.040 (0.43-1.02) | |
| 2000 | 428485 | 100-2,000 | 0.020-0.055 (0.51-1.40) | 0.017-0.44 (0.43-1.12) |

Steel



Plastic



Steel and plastic edge protectors

For strapping up to 1-1/4" (31.8 mm) wide, Signode steel and plastic edge protectors cushion your product and

allow straps to be tightly applied without causing damage. Plastic ribbed edge protectors are available in red, blue, white or yellow for color coding.

| Model | Part Number | Color | Composition | Maximum Strap Width | | Edge Protector Dimensions | | | | | | Package | | |
|------------|-------------|----------|-------------|---------------------|------|---------------------------|------|-------|-------|-----------|-----------|------------------|------------|------|
| | | | | inch | mm | Length | | Width | | Thickness | | Standard Package | Weight lbs | kg |
| MF-11† | 001261 | Metallic | Steel | 3/4 | 19.0 | 5/8 | 15.9 | 4 | 101.6 | 0.031 | 0.79 | 1,000 | 57 | 25.9 |
| MF-12† | 001263 | | | | | 5/8 | 15.9 | 4 | 101.6 | 0.048 | 1.22 | | | |
| 7 | 001598 | Metallic | Steel | 1-1/4 | 31.8 | 2 | 50.8 | 2-3/4 | 69.9 | 0.030 | 0.76 | 500 | 47 | 21.3 |
| EG3A | 001260 | | | | | 2-1/2 | 63.5 | 3-1/8 | 79.4 | 0.031 | 0.79 | | | |
| PL1 | 085971 | White | Plastic | 3/4 | 19.0 | 1-1/4 | 31.8 | 2 | 50.8 | 0.062 | 1.58 | 2,000 | 23 | 10.4 |
| P41 Series | 041504 | Red | Plastic | 1-1/4 | 31.8 | 2 | 50.8 | 2-3/4 | 69.9 | 0.093 | 2.11-2.36 | 1,000 | 40 | 18.1 |
| | 041505 | White | | | | | | | | | | | | |
| | 041506 | Blue | | | | | | | | | | | | |
| | 041507 | Yellow | | | | | | | | | | | | |

*Galvanized † For use in automatic edge protector applicators

Anchor plates

Used to secure ends of strap to car studs. Fasten with No. 225 Microlock nails (Part No. 002989).



| Model | Part Number | Strap Width | | Plate Dimensions | | Standard Pack | Shipping Weight | |
|-------|-------------|-------------|------|------------------|---------------------|---------------|-----------------|------|
| | | inch | mm | inch | mm | | lbs | kg |
| — | 001294B | 1-1/4 | 31.8 | 4 x 2 x 1/8 | 101.6 x 50.8 x 3.18 | 200 | 51 | 23.2 |

Combination Anchor-Brakeman® plates

These are used primarily as retarder plates in boxcars with nailable steel floors for controlled floating loads. They can also be used as either anchor plates on walls or Brakeman plates in boxcars with wood floors.



| Model | Part Number | Strap Width | | Plate Dimensions | | Standard Pack | Shipping Weight | |
|---------|-------------|-------------|------|------------------|---------------------|---------------|-----------------|------|
| | | inch | mm | inch | mm | | lbs | kg |
| NSP-114 | 001462 | 1-1/4 | 31.8 | 2 x 6 x 0.134 | 50.8 x 152.4 x 3.40 | 200 | 50 | 22.8 |
| NSP-2 | 001461 | 2 | 50.8 | 2 x 6 x 0.134 | 50.8 x 152.4 x 3.40 | 125 | 52 | 23.6 |

Plastic Strapping

Four types for a wide range of applications



Signode plastic strapping is manufactured for use with hand tools and high-production power strapping machines. All types have controlled surface properties that minimize

tensioning effort, increase tension-transmission around corners and improve operating efficiency. All are split-resistant to increase reliability in tools and power equipment.

Specifications for all varieties of Signode plastic strapping along with general methods of application for each type are detailed in the following tables.



Contrax® strapping – polypropylene

Contrax polypropylene strapping is a good choice for light and medium-duty applications, including palletizing, unitizing, bundling, carton closure and reinforcement. It resists splitting and has a smooth, uniform surface so it performs reliably in power

strapping machines and hand tools.

Contrax strapping has “elastic memory” which absorbs shock and keeps strapping tight during handling and shipping.

| Strap Name | Standard Color | Part Number | Strap Width | | Average Strength * | | Approximate Length per Coil | | Approx. Coil Outside Dia. | | Core Size Inside Dia. | | Approximate Coil Width | | Coil Weight lbs | Standard Package Coils/Pallet | Strapping Application Methods | | | |
|-----------------------------|----------------|-------------|-------------|------|--------------------|-------|-----------------------------|--------|---------------------------|-----|-----------------------|-----|------------------------|-----|-----------------|-------------------------------|--|--|--|--|
| | | | mm | inch | lbs | N | feet | m | inch | mm | inch | mm | inch | mm | | | | | | |
| Light Duty Contrax | LD 213 | Clear | 2X1602 | 6 | 1/4 | 145 | 640 | 21,000 | 5 793 | 16 | 406 | 4 | 102 | 6 | 152 | 30 | ML Power Strapping Machines | | | |
| | LD 213 | Yellow | 2X1603 | | | | | | | | | | | | | | | | | |
| | LD 216 | Clear | 2X1604 | 6 | 1/4 | 200 | 890 | 16,500 | 5 030 | 16 | 406 | 4 | 102 | 6 | 152 | | | 25 | | |
| | LD 216 | Yellow | 2X1605 | | | | | | | | | | | | | | | | | |
| Heavy Duty Contrax | HD 719 | Clear | 2X1610 | 10.5 | 7/16 | 400 | 1 780 | 12,000 | 3 659 | 24 | 609 | 16 | 406 | 6 | 152 | 36 | MOD-710 Power Strapping Machines, Pneumatic Tension-Weld Tools | | | |
| | HD 719 | Black | 2X1611 | | | | | | | | | | | | | | | | | |
| | HD 723 | Clear | 2X1612 | 10.5 | 7/16 | 500 | 2 220 | 9,000 | 2 744 | 24 | 609 | 16 | 406 | 6 | 152 | | | 34 | | |
| | HD 723 | Black | 2X1613 | | | | | | | | | | | | | | | | | |
| | HD 729 | Black | 2X1618 | 10.5 | 7/16 | 600 | 2 670 | 7,700 | 2 348 | 24 | 609 | 16 | 406 | 6 | 152 | | | 36 | Pneumatic Tension-Weld Tools, Hand Tools using metal seals | |
| | 816 | Black | 010366 | 12 | 1/2 | 500 | 2 220 | 8,000 | 2 439 | 24 | 609 | 16 | 406 | 6 | 152 | | | 33 | | |
| 818 | Black | 010385 | 12 | 1/2 | 600 | 2 670 | 7,000 | 2 134 | 24 | 609 | 16 | 406 | 6 | 152 | 35 | | | | | |
| 818 | Black | 010385 | 12 | 1/2 | 600 | 2 670 | 7,000 | 2 134 | 24 | 609 | 16 | 406 | 6 | 152 | 35 | | | | | |
| LB, SP Light Duty Contrax | LB 112 | Clear | 2X1844 | 5 | 3/16 | 100 | 445 | 30,000 | 9 146 | 16 | 406 | 7.8 | 200 | 7.8 | 198 | 28 | 24 | LBX Power Strapping Machines | | |
| | LB 112 | Yellow | 2X1870 | | | | | | | | | | | | | | | | | |
| | LB 212 | Clear | 2X1845 | 6 | 1/4 | 150 | 667 | 24,000 | 7 317 | 16 | 406 | 7.8 | 200 | 7.8 | 198 | 27 | | | | |
| | LB 212 | Yellow | 2X1848 | | | | | | | | | | | | | | | | | |
| | LB 113 | Clear | 2X1601 | 5 | 3/16 | 120 | 530 | 25,000 | 7 622 | 16 | 406 | 7.8 | 200 | 7.8 | 198 | 31 | | | 24 | LB, SP & SureTyer Power Strapping Machines |
| | LB 113 | Yellow | 2X1709 | | | | | | | | | | | | | | | | | |
| | SP 216 | Clear | 2X1606 | 6 | 1/4 | 200 | 890 | 18,000 | 5 488 | 16 | 406 | 7.8 | 200 | 7.8 | 198 | 28 | | | | |
| SP 216 | Yellow | 2X1607 | | | | | | | | | | | | | | | | | | |
| HB, SP General Duty Contrax | HB 612 | Clear | 2X1738 | 9 | 3/8 | 225 | 1 000 | 16,000 | 4 878 | 16 | 406 | 7.8 | 200 | 7.8 | 198 | 29 | 24 | HBX Power Strapping Machines | | |
| | HB 612 | Black | 2X1727 | | | | | | | | | | | | | | | | | |
| | HB 812 | Clear | 2X1885 | 12 | 1/2 | 300 | 1 330 | 12,000 | 3 659 | 16 | 406 | 7.8 | 200 | 7.8 | 198 | 27 | | | | |
| | HB 812 | Black | 2X1886 | | | | | | | | | | | | | | | | | |
| | SP 616 | Clear | 2X1608 | 9 | 3/8 | 300 | 1 330 | 12,000 | 3 659 | 16 | 406 | 7.8 | 200 | 7.8 | 198 | 28 | 24 | HB, SP & SureTyer Power Strapping Machines | | |
| | SP 616 | Black | 2X1609 | | | | | | | | | | | | | | | | | |
| | SP 719 | Clear | 2X1614 | 10.5 | 7/16 | 400 | 1 780 | 9,000 | 2 744 | 16 | 406 | 7.8 | 200 | 7.8 | 198 | 28 | | | | |
| | SP 719 | Black | 2X1615 | | | | | | | | | | | | | | | | | |
| SP 723 | Clear | 2X1616 | 10.5 | 7/16 | 500 | 2 220 | 7,500 | 2 287 | 16 | 406 | 7.8 | 200 | 7.8 | 198 | 27 | | | | | |
| SP 723 | Black | 2X1617 | | | | | | | | | | | | | | | | | | |

* Strap break strengths are listed as averages. Always use American Society for Testing Materials (ASTM D-3950) minimum break strengths for package design/safety factor purposes. For proper strap selection, contact your Signode sales representative.



Empax™ strapping – polypropylene

Empax waffled strapping is designed to perform in hot-knife sealing machines that require embossed strapping. It is a good choice for many light and medium-duty applications. A variety of coil sizes are available for use in many power strapping machines.

Empax has “elastic memory” to keep straps tight, and features consistent width and gauge control to run smoothly in your strapping machine. It is an economical choice for many applications.

| Strap Name | Part Number | Standard Color | Strap Width | | Average Strength * | | Approximate Length per Coil | | Core Size Inside Dia. | | Face Width | | Approx. Coil Outside Dia. | | Coil Weight lbs | Standard Package Coils/Pallet | Strapping Application Methods |
|------------|-------------|----------------|-------------|------|--------------------|-------|-----------------------------|-------|-----------------------|-----|------------|-----|---------------------------|-----|-----------------|-------------------------------|--|
| | | | mm | inch | lbs | N | feet | m | inch | mm | inch | mm | inch | mm | | | |
| Empax | 2X1230 | White | 6 | 1/4 | 200 | 890 | 18,000 | 5 490 | 8 | 203 | 8 | 203 | 16 | 406 | 28 | 24 | Hot-knife sealing power machines that require embossed strapping |
| | 2X1112 | | 9 | 3/8 | 300 | 1 330 | 12,900 | 3 930 | 8 | 203 | 8 | 203 | 16 | 406 | 28 | | |
| | 2X1113 | | 9 | 3/8 | 300 | 1 330 | 12,900 | 3 930 | 9 | 229 | 8 | 203 | 17 | 432 | 28 | | |
| | 2X1114 | | 12 | 1/2 | 350 | 1 557 | 9,900 | 3 020 | 8 | 203 | 8 | 203 | 16 | 406 | 28 | | |
| | 2X1115 | | 12 | 1/2 | 350 | 1 557 | 9,900 | 3 020 | 9 | 229 | 8 | 203 | 17 | 432 | 28 | | |

* Strap break strengths are listed as averages. Always use American Society for Testing Materials (ASTM D-3950) minimum break strengths for package design/safety factor purposes. For proper strap selection, contact your Signode sales representative.



At Signode, we are committed to preserving and protecting the environment, from energy conservation to managing the waste we generate, as well as that of the customers we serve. Our innovative Closed Loop Recycling Program enables companies to recycle used polyester strapping to reduce their packaging waste and disposal costs.



Tenax® strapping – polyester

Tenax polyester strapping can be tensioned to a higher percentage of its break strength than any other strapping material. It provides superior retained tension under hot, humid conditions and is more resistant to such environments than other plastic strapping. It also provides greater

load stability during storage and shipping.

Tenax strap is strong, yet resilient enough to perform smoothly and reliably in power strapping machines and hand tools. And it's more tear and snag resistant than other plastic strapping.

| Strap Name | Standard Color | Part Number | Strap Width | | Average Strength * | | Approximate Length per Coil | | Approx. Coil Outside Dia. | | Core Size Inside Dia. | | Approximate Coil Width | | Coil Weight lbs | Standard Package Coils/Pallet | Strapping Application Methods | | | |
|------------|----------------|-------------|-------------|--------|--------------------|------|-----------------------------|--------|---------------------------|--------|-----------------------|-----|------------------------|-----|-----------------|-------------------------------|-------------------------------|--|----|--|
| | | | mm | inch | lbs | N | feet | m | inch | mm | inch | mm | inch | mm | | | | | | |
| Tenax | Green | HB1612 | 2X2202 | 9 | 3/8 | 250 | 1 110 | 16,000 | 4 878 | 16 | 406 | 7.9 | 200 | 7.8 | 200 | 40 | 24 | HBX Large Frame Strapping Machines | | |
| | | HB1812 | 2X2201 | 12 | 1/2 | 350 | 1 560 | 12,000 | 3 659 | 16 | 406 | 7.9 | 200 | 7.8 | 200 | 40 | | MOD-710 Power Strapping Machines | | |
| | | 1616ELC | 2X1710 | 9 | 3/8 | 425 | 1 890 | 14,500 | 4 420 | 24 | 609 | 16 | 406 | 6 | 152 | 57 | | MOD-710 Power Strapping Machines, Pneumatic Tension-Weld Tools | | |
| | | | | 1716LC | 2X1488 | 10.5 | 7/16 | 475 | 2 110 | 11,550 | 3 520 | 24 | 609 | 16 | 406 | 6 | 152 | 55 | 12 | MOD-710 Power Strapping Machines, Pneumatic Tension-Weld Tools, Hand Tools using metal seals |
| | | | | 1718LC | 2X1498 | 10.5 | 7/16 | 550 | 2 450 | 9,900 | 3 018 | 24 | 609 | 16 | 406 | 6 | 152 | 53 | | |
| | | | | 1816 | 010379 | 12 | 1/2 | 500 | 2 220 | 10,500 | 3 200 | 24 | 609 | 16 | 406 | 6 | 152 | 51 | | |
| | | | | 1818 | 010361 | 12 | 1/2 | 600 | 2 670 | 9,000 | 2 740 | 24 | 609 | 16 | 406 | 6 | 152 | 51 | | |
| | | | | 1822 | 010355 | 12 | 1/2 | 800 | 3 560 | 6,500 | 1 980 | 24 | 609 | 16 | 406 | 6 | 152 | 50 | | |

High-Strength Tenax® – polyester

| Strap Name | Standard Color | Part Number | Strap Width | | Average Strength * | | Approximate Length per Coil | | Approx. Coil Outside Dia. | | Core Size Inside Dia. | | Approximate Coil Width | | Coil Weight lbs | Standard Package Coils/Pallet | Strapping Application Methods | | |
|---------------------|----------------|-------------|-------------|---------|--------------------|-------|-----------------------------|-------|---------------------------|-------|-----------------------|----|------------------------|----|-----------------|-------------------------------|-------------------------------|---|---|
| | | | mm | inch | lbs | N | feet | m | inch | mm | inch | mm | inch | mm | | | | | |
| High-Strength Tenax | Green | 2030 | 2X1365 | 15.6 | 5/8 | 1,100 | 4 890 | 4,600 | 1 402 | 24 | 609 | 16 | 406 | 6 | 152 | 49 | 24 | Power Strapping Machines, Hand Tools designed specifically for use with High-Strength Tenax | |
| | | 2038 | 2X1880 | 15.6 | 5/8 | 1,300 | 5 785 | 4,000 | 1 220 | 24 | 609 | 16 | 406 | 6 | 152 | 55 | | | |
| | | 2040** | 2X1369 | 15.6 | 5/8 | 1,400 | 6 230 | 4,000 | 1 219 | 24 | 609 | 16 | 406 | 6 | 152 | 50 | | | |
| | | | | 2040H** | 2X1460 | 15.6 | 5/8 | 1,600 | 7 170 | 4,000 | 1 219 | 24 | 609 | 16 | 406 | 6 | 152 | 57 | Hand Tools designed specifically for use with High-Strength Tenax |
| | | | | 2225** | 2X1355 | 19.0 | 3/4 | 2,500 | 11 120 | 2,400 | 732 | 24 | 609 | 16 | 406 | 6 | 152 | 52 | |
| | | | | 2480 | 2X1851 | 25.4 | 1 | 2,500 | 11 120 | 2,200 | 670 | 24 | 609 | 16 | 406 | 6 | 152 | 50 | |
| | | | | 10050 | 2X1842 | 25.4 | 1 | 3,000 | 13 345 | 1,800 | 626 | 24 | 609 | 16 | 406 | 6 | 152 | 51 | |

* Strap break strengths are listed as averages. Always use American Society for Testing Materials (ASTM D-3950) minimum break strengths for package design/safety factor purposes. For proper strap selection, contact your Signode sales representative.

** High-Strength Tenax strapping is AAR approved.



Dymax® strapping – nylon

Dymax strapping is oriented during manufacturing, making it six times stronger than ordinary nylon. Ideal for use in cold room applications, such as food processing, it resists tension decay and provides better reinforcement over long storage periods.

Dymax strapping stays tight. It conforms to changes in load size and shape without sacrificing its reinforcement capabilities. A smooth, lubricated finish helps ensure reliable feeding through feedwheel-type strapping equipment.

| Strap Name | Standard Color | Part Number | Strap Width | | Average Strength * | | Approximate Length per Coil | | Approx. Coil Outside Dia. | | Core Size Inside Dia. | | Approximate Coil Width | | Coil Weight lbs | Standard Package Coils/Pallet | Strapping Application Methods | |
|------------|----------------|-------------|-------------|------|--------------------|-----|-----------------------------|--------|---------------------------|----|-----------------------|----|------------------------|----|-----------------|-------------------------------|-------------------------------|--|
| | | | mm | inch | lbs | N | feet | m | inch | mm | inch | mm | inch | mm | | | | |
| Dymax | Black | 304 | 025512 | 11.1 | 7/16 | 630 | 2 800 | 9,000 | 2 740 | 24 | 609 | 16 | 406 | 6 | 152 | 44.5 | 10 | Pneumatic Tension-Weld Tools, MOD-710 Power Strapping Machines |
| | | 306 | 025567 | 11.1 | 7/16 | 790 | 3 510 | 7,200 | 2 190 | 24 | 609 | 16 | 406 | 6 | 152 | 44.5 | | |
| | | 502 | 025571 | 12.7 | 1/2 | 475 | 2 110 | 12,000 | 3 660 | 24 | 609 | 16 | 406 | 6 | 152 | 44.5 | | |
| | | 504 | 025583 | 12.7 | 1/2 | 630 | 2 800 | 9,000 | 2 740 | 24 | 609 | 16 | 406 | 6 | 152 | 44.5 | | |
| | | 506 | 025595 | 12.7 | 1/2 | 790 | 3 510 | 7,200 | 2 190 | 24 | 609 | 16 | 406 | 6 | 152 | 44.5 | | |
| | | 508 | 025574 | 12.7 | 1/2 | 950 | 4 230 | 6,000 | 1 830 | 24 | 609 | 16 | 406 | 6 | 152 | 44.5 | | |

* Strap break strengths are listed as averages. Always use American Society for Testing Materials (ASTM D-3950) minimum break strengths for package design/safety factor purposes. For proper strap selection, contact your Signode sales representative.

Strapping & Seal Kits

For plastic strapping



Self-contained Contrax strapping station

Dispensi-pak*

Everything needed for strapping is contained in this portable package weighing less than 2 lbs. The Dispensi-pak includes 250 ft. of 12mm Contrax strapping and 40 Steelock buckles. (Only shipped in units of ten.)
Part No. 010490

*Use with a DLT tensioner is recommended.

Seals & Buckles

For plastic strapping

Plastic joint types

Normal packaging rates for any application influence both the choice of strap and its joining methods. For low-volume, low-tension strapping of lightweight packages or bundles, Signode Steelock™ or Dylock™ buckles are an economical method of joining strap, since they require no special sealing tool.

Seals for hand tool application

All types of 12mm Signode plastic strapping as well as 16mm and 19mm High-Strength Tenax strapping can be sealed with hand tools using metal seals. Signode manufactures snap-on seals for manual sealers and Nestack seals for use in combination strapping tools with seal magazines.

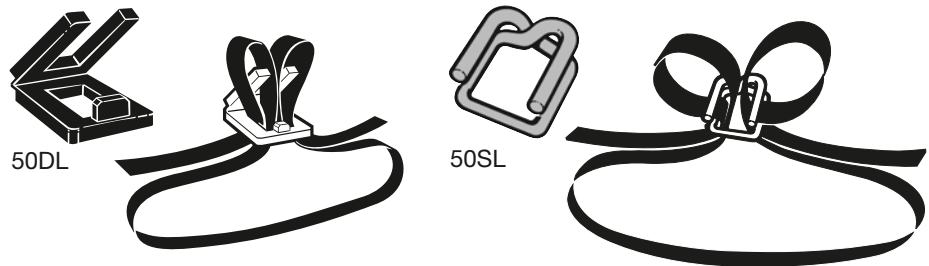
Seal and joint strength

To ensure positive joint strength on all four types of plastic strapping, Signode steel seals and special sealers are used to form crimp joints. Crimp joints are formed by compressing the seal onto overlapping straps. The holding power of the joint is generated by squeezing the straps and the seal together.

Signode snap-on seals use a grit coating on the inside to increase friction between the strapping and the seals, while Nestack seals use steel teeth.

Friction-Weld sealless joint

The Friction-Weld process, developed by Signode, positively joins plastic strapping without the use of seals or applied heat.



Dylock™ & Steelock™ buckles

| Seal Name | Strap Size | | Part Number | Seal Type | Tool Name | Seal Length | | Standard Package | Approx. Shipping Weight | |
|-----------|------------|------|-------------|-----------|-----------|-------------|------|------------------|-------------------------|------|
| | mm | inch | | | | inch | mm | | lbs | kg |
| 50 DL | 12 | 1/2 | 000470 | Dylock | DLT | .885 | 20.6 | 5,000 | 23 | 10.4 |
| 50 SL | 12 | 1/2 | 000472 | Steelock | DLT | .937 | 23.8 | 2,500 | 52 | 23.6 |

Snap-on seals

Snap-on seals are placed on overlapping strap ends either during or after strap tensioning. These seals generally reduce application time.



| Seal Name | Strap Size | | Part Number | Seal Type | Tool Name | Seal Length | | Standard Package | Approx. Shipping Weight | |
|-----------|------------|------|-------------|-----------|--------------|-------------|------|------------------|-------------------------|------|
| | mm | inch | | | | inch | mm | | lbs | kg |
| 50 DYS | 12 | 1/2 | 000465 | Snap-on | D-504 | 3/4 | 19.0 | 3,100 | 40 | 18.1 |
| 50 DY | 12 | 1/2 | 000466 | Snap-on | D-504, D-506 | 1-1/8 | 28.3 | 2,500 | 42 | 19.1 |
| 58 DY | 16 | 5/8 | 2X1672 | Snap-on | D-58 | 1-1/2 | 38.1 | 1,000 | 28 | 12.7 |
| 34 DY | 19 | 3/4 | 2X1795 | Snap-on | D-34 | 2-1/8 | 55.9 | 1,000 | 45 | 20.4 |

Nestack® seals

Nestack® seals for plastic strapping are stacked seals held together by plastic filaments. Designed for use in seal magazines of combination strapping tools, they are packaged in trays that can be conveniently placed at any strapping station.

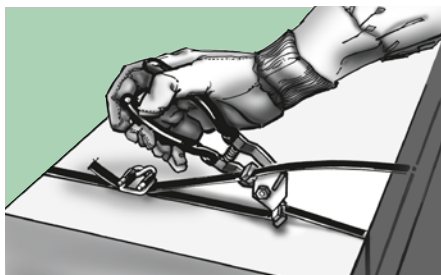


| Seal Name | Strap Size | | Part Number | Seal Type | Tool Name | Seal Length | | Standard Package | Approx. Shipping Weight | |
|-----------|------------|------|-------------|-----------|--------------|-------------|------|------------------|-------------------------|------|
| | mm | inch | | | | inch | mm | | lbs | kg |
| 50 ASD | 12 | 1/2 | 000531 | Nestack | AMPT-12, AST | 1-1/8 | 28.3 | 2,000 | 41 | 18.6 |
| 58 AMT | 16 | 5/8 | 2X1303 | Nestack | AMT-58 | 1-1/8 | 28.3 | 1,440 | 33 | 15.0 |

Manual Tensioners & Sealers

SIGNODE®

For plastic strapping

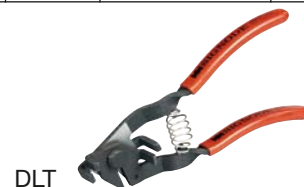


| Model | Part Number | Strap Type | | Buckle | Description | Shipping Weight | |
|-------|-------------|------------|----------|------------|---------------------|-----------------|------|
| | | Dymax | Contrax* | | | lbs | kg |
| DLT | 023930 | 502, 504 | 816, 818 | 50SL, 50DL | Gripper with cutter | 1 | 0.45 |

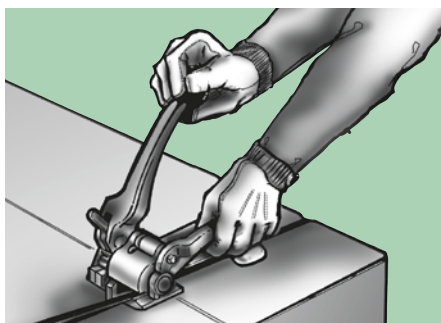
Walking gripper tensioner

Lightweight tensioner/cutter designed for buckle applications with plastic strapping. Provides maximum tension with Steelock or Dylock buckles.

* Tool may be used with 816, 818 Contrax strapping, but only with the 50DL buckle (Not the 50SL).



DLT



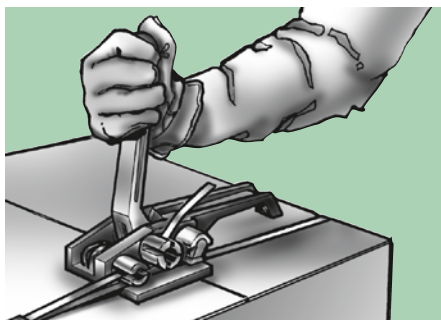
| Model | Part Number | Strap Type | | | Description | Shipping Weight | |
|--------|-------------|--------------------|---------------|------------------|-----------------------|-----------------|-----|
| | | Dymax | Contrax | Tenax | | lbs | kg |
| STD | 257080 | 502, 504, 506, 508 | 814, 816, 818 | 1816, 1818, 1822 | Feedwheel with cutter | 4 | 1.8 |
| PT-16 | 426355 | — | — | 2030, 2040 | | 4 | 1.8 |
| PT-19 | 426350 | — | — | 2220, 2225 | | 4 | 1.8 |
| PT-25 | 427445 | — | — | 2480, 10050 | | 4 | 1.8 |
| PT-32 | 427600 | — | — | 2680, 2625 | | 4 | 1.8 |
| PTC-16 | 426060 | — | — | 2030, 2040 | | 7 | 3.2 |
| PTC-19 | 426040 | — | — | 2220, 2225 | | 7 | 3.2 |

Feedwheel tensioner

A serrated feedwheel grips the strapping and rotates to take up slack. Fast and easy to position and use. Take-up is unlimited, and strapping may be used directly off the coil.



STD PT-16, PT-19, PT-25, PT-32 PTC-16, PTC-19



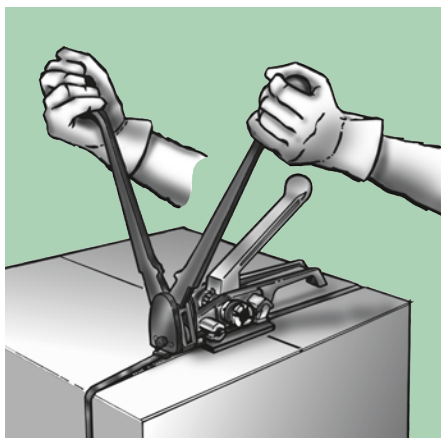
| Model | Part Number | Strap Type | | | Description | Shipping Weight | |
|--------|-------------|--------------------|----------|------------------------------|----------------------|-----------------|-----|
| | | Dymax | Contrax | Tenax | | lbs | kg |
| WHD | 257400 | 502, 504, 506, 508 | 816, 818 | 1816, 1818, 1822, 2030, 2040 | Windlass with cutter | 9 | 4.1 |
| WHD-34 | 425380 | — | — | 2220, 2225 | Windlass with cutter | 9 | 4.1 |

Windlass tensioner

Applies tension by gripping one end of the strapping and winding the other around a slotted shaft.



WHD



| Model | Part Number | Strap Type | | | Seal | Joint Type | Description | Shipping Weight | |
|-------|-------------|------------|---------|-------------------|-------------|------------|--------------|-----------------|-----|
| | | Dymax | Contrax | Tenax | | | | lbs | kg |
| D-504 | 023800 | 502, 504 | 816 | 1816, 1818 | 50DY, 50DYS | Crimp | Front Action | 2-1/4 | 1.0 |
| D-506 | 023820 | 506, 508 | 818 | 1822 | 50DY | | | 2-1/4 | 1.0 |
| D-58 | 423800 | — | — | 2030, 2038B, 2040 | 58DY | | | 4-1/4 | 1.9 |
| D-34 | 424400 | — | — | 2220, 2225 | 34DY | Crimp | Side | 7 | 3.0 |

Sealers

Model D-504, D-506 and D-58 front-action sealers have handles that are perpendicular to the strapping. The side-action D-34 sealer is positioned at right angles to the strapping. To operate, spread the handles, grip the seal between the sealer's jaws and push the handles together.



D-504
D-506

D-58

D-34

Combination Tools

For plastic strapping



Combination strapping tools

Combination tools function as tensioners, sealers and cutters. They save time by eliminating the handling of separate tools. Seal-feed combination tools carry a stack of seals in a magazine for fast, easy loading. Sealless combination tools use friction to weld the strap ends together, creating a secure joint.



Pneumatic Friction-weld

The model VT-10 and VT-13 combination tools apply Contrax, Dymax and Tenax strapping. Strap ends are joined with Signode's patented Friction-weld process, eliminating the need for metal seals.

The VTI-16, VTI-19 and VTI-25 pneumatic friction welding tools are used in baling applications.

The lightweight VT-16HD, VT-19HD, VT-25HD and VT-32HD tools apply High-Strength Tenax strapping at higher tension levels. Ideal for use in both horizontal and vertical applications.

Manual

The AMT-58 is the ideal manual tool for 5/8" (16mm) High-Strength Tenax strapping.

The AST manual seal-feed combination tool uses Contrax, Dymax and Tenax strapping.

High-Strength Tenax strapping tools

| Model | Part Number | Strapping | Seal | Joint Type | Applied Tension | Description | Shipping Weight | |
|----------|-------------|---------------------------------------|--------|---------------|-----------------|-------------|-----------------|-----|
| | | | | | | | lbs | kg |
| AMT-58 | 306930 | High-Strength Tenax 2030, 2040 | 58 AMT | Crimp | 400 lbs | Manual | 14 | 6.4 |
| VT-Brick | 424765 | High-Strength Tenax 2030, 2038B | None | Friction-weld | 600 lbs | Pneumatic | 10.5 | 4.8 |
| VTI-16 | 427110 | High-Strength Tenax 2030, 2040 | | | — | Pneumatic | 6 | 2.7 |
| VTI-19 | 427993 | High-Strength Tenax 2220, 2225 | | | 800 lbs | Pneumatic | 10.5 | 4.8 |
| VTI-25 | 427988 | High-Strength Tenax 2480, 10050 | | | | | | |
| VT-16HD | 427280 | High-Strength Tenax 2030, 2040, 2040H | | | 800 lbs | Pneumatic | 11.5 | 5.0 |
| VT-19HD | 426160 | High-Strength Tenax 2220, 2225 | | | | | | |
| VT-25HD | 423992 | High-Strength Tenax 2480, 10050 | | | | | | |
| VT-32HD | 428225 | High-Strength Tenax 2625, 2680 | | | | | | |



AMT-58



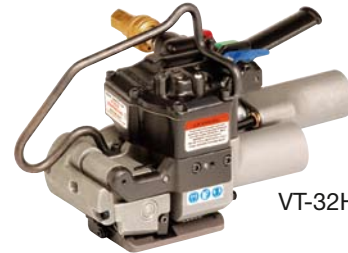
VT-Brick



VTI-16
VTI-19
VTI-25



VT-16HD
VT-19HD
VT-25HD



VT-32HD

| Model | Part Number | Strap Type | | | Seal | Joint Type | Description | Shipping Weight | |
|-------|-------------|--------------------|---------------------|------------------|-------|---------------|-------------|-----------------|-----|
| | | Dymax | Contrax | Tenax | | | | lbs | kg |
| AST | 422950 | 502, 504, 506, 508 | 814, 816, 818 | 1816, 1818, 1822 | 50ASD | Crimp | Manual | 11.5 | 5.2 |
| VT-10 | 425255 | 302, 304, 306 | HD719, HD723, HD729 | 1716, 1718 | None | Friction-weld | Pneumatic | 7 | 3.2 |
| VT-13 | 425256 | 502, 504, 506 | 816, 818 | 1816, 1818, 1822 | None | weld | Pneumatic | 7 | 3.2 |



AST



VT-10
VT-13

Battery-Operated Friction-weld

The BXT2 combination tool applies polypropylene or polyester strapping, utilizing friction weld joint technology to join the strap ends. An automatic weld function speeds up cycle time.

Used together, the PT tensioner and BTS sealer are ideal for tensioning and joining strap ends in outdoor or harsh environments.



BXT2-16, BXT2-19



BTS-16, 19, 25, 32*



PT*

| Model | Part Number | Strap Type Contrax, Tenax | Joint Type | Applied Tension | Description | Shipping Weight | |
|--------------------|-------------|---|---------------|-----------------|-------------|-----------------|-----|
| | | | | | | lbs | kg |
| BXT2-16 | 428340 | 9-13 mm Contrax & Tenax | Friction-weld | Up to 550 lbs | Battery | 9 | 4.1 |
| BXT2-19 | 428350 | 1816, 1818, 1822 (with Guide change); 816, 818, 2030, 2040, 2040H | | | | Up to 880 lbs | 9.3 |
| BTS-16/PT-16 COMBO | 427100 | 2030, 2040, 2220, 2225, 2480, 10050 | Friction-weld | Up to 800 lbs. | Battery | (BTS) 6.8 | 3 |
| BTS-19/PT-19 COMBO | 427101 | | | | | | |
| BTS-25/PT-25 COMBO | 427102 | | | | | | |
| BTS-32/PT-32 COMBO | 428220 | | | | | | |
| | | | | | | | |

* The BTS and PT tools can be ordered separately.

Dispensers

For plastic strapping



DD-1A
Floor model with straproller. Can be suspended overhead.



DF-16A
Designed for use with polyester strapping.



DF-1-12D
For power equipment. Dancer arm and brake. Base sold separately (Part No. 024360).



PSD-109
For power equipment. Available in left or right-handed models.



DO-3D
Can be suspended from a wall or ceiling.

| Strap Dispenser Model | Part Number | Strap Size | | Straproller | Portable | Tool Tray | Dimensions | | | | | | Dispenser Weight | |
|-----------------------|-------------------|------------|---------|-------------|----------|-----------|------------|-------|--------|-----|--------|------|------------------|----|
| | | inch | mm | | | | Height | | Width | | Length | | lbs | kg |
| | | | | | | | inch | mm | inch | mm | inch | mm | | |
| DD-1A | 024520 | 7/16-1/2 | 10.5-12 | • | • | • | 41 | 1 041 | 12 | 305 | 25 | 635 | 48 | 22 |
| DF-16A | 422300 | 3/8-3/4 | 9-19.0 | | • | • | 38 | 965 | 18 | 457 | 28-1/2 | 724 | 62 | 28 |
| DF-1-12D | 031318 | 3/8-3/4 | 9-19.0 | | | | 36-3/4 | 933 | 12-1/2 | 315 | 47-1/4 | 1200 | 97 | 44 |
| PSD-109 | 480171 Left-hand | 3/8-3/4 | 9-19.0 | | | | 44-1/2 | 1 130 | 15 | 380 | 38-3/8 | 975 | 126 | 57 |
| | 480172 Right-hand | | | | | | | | | | | | | |
| DO-3D | 024500 | 3/8-3/4 | 9-19.0 | • | | | 31 | 787 | 6-3/4 | 171 | 27-3/4 | 705 | 41 | 19 |

Pneumatic accessories See page 11 for additional fittings.



A filter-regulator-lubricator (FRL) assembly (Part No. 429141, with hose) or (Part No. 429130, without hose) is needed with all pneumatic tools. Additional fittings and air hoses are available from Signode to help provide optimum operation. Please contact your local Signode sales representative for more information on the proper fittings for your specific tool.

Recommended air hose for pneumatic tools: 10' x 1/2" (3.0m x 12mm) i.d. (Part No. 429145).

Note: Use lightweight, non-detergent oil in lubricator, such as Non-Fluid Oil No. LS-1236 (Part No. 008556) or equivalent.

TableTyer™

Strapping System



The low-cost TableTyer™ is the ideal plastic strapping system for low to moderate volume shippers. Its simple tabletop design makes it equally efficient for strapping cartons, bundles or coiled products. Strap tension and length are fully adjustable. Also available in a non-corrosive model.

- Low cost
- Portable
- Applies economical plastic strapping
- Ready to operate in seconds

Specifications

Maximum package weight: 125 lbs.
Strap tension: Adjustable up to 100 lbs.
Strapping: 6mm (1/4"), 9mm (3/8"), 12mm (1/2") Empax polypropylene strapping.
Machine dimensions: 33-1/2" L x 22" W x 30-3/4"H (adjustable up to 37-1/2"H). (851mm L x 559mm W x 781mm H, adj. up to 953mm).
Electrical: 120 VAC, 1 phase, 60Hz.
Shipping weight: 168 lbs.

LBX-2000™

Semiautomatic Strapping System



The high speed LBX-2000 plastic strapping machine combines jam-resistant technology and lubrication-free operation to maximize strapping operations. Ideal for high-volume applications with varying package or bundle types and sizes. Made in the U.S.A.

- Jam-resistant technology
- Lubrication-free operation
- Variable tension
- Fully accessible strap path
- Easy coil loading
- No adjustments necessary

Specifications

Chute size (maximum package size): 20" W x 15" H (510mm x 380mm).
 28" W x 15" H (710mm x 380mm).
Minimum package size: 2"W x 1"H (50mm x 25mm).
Production rate: Up to 70 straps per minute.
Strap tension: Adjustable from 2 lbs. to 60 lbs.
Strapping: Signode Contrax® polypropylene strapping 5mm, 6mm.
Tabletop height: 34" (865mm).
Machine dimensions: 31" W x 21" L x 57" H (790mm W x 530mm L x 1450mm H).
Electrical: 110 VAC, 60Hz.
Shipping weight: 540 lbs.

LBX-2300/2330™

Automatic and Semiautomatic Strapping Systems



The LBX-2300 Series plastic strapping machines provide the highest available speed, most reliable performance and lowest maintenance operation of any general-duty strapping machine on the market today. With timesaving features and 40% fewer parts, the LBX-2300 Series simplify operation and maintenance to save you time and money.

- Jam-resistant technology
- Automatic loading
- Automatic cut-off and refeed option*
- Fully accessible strap path
- Lubrication-free operation
- Easy coil loading

Specifications

Chute inner dimensions:

| | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm |
|----------|------|-----|------|-----|------|-----|------|-----|------|------|
| W | 16** | 405 | 20 | 510 | 28 | 710 | 33 | 840 | 48 | 1220 |
| H | 10** | 255 | 15 | 380 | 20 | 510 | 30 | 760 | 20 | 510 |

Production rate: Up to 70 straps per minute.
Strap tension: Adjustable from 2 lbs. to 60 lbs.
Strapping: Signode Contrax® polypropylene strapping 5mm, 6mm.
Tabletop height: Adjustable from 26" to 40" (660mm to 1016mm).
Electrical: 120 VAC, 60Hz, 3 phase voltage optional

Shipping weight: 600 lbs.

** Available on semiautomatic models only.

Models: LBX-2300 semiautomatic
 LBX-2330 automatic

*Available on 3 phase models only.

HBX-4300/4330

Automatic and Semiautomatic Strapping Systems



Models: HBX-4300 semiautomatic
HBX-4330 automatic
HBX-4300/4330 large frame
HBX-4300 small anvil

Finishes: Painted
Stainless steel

The HBX-4300 Series plastic strapping machines provide reliable, high speed performance for heavy-duty applications, such as meat packaging, general distribution and the bundling of hardwood flooring. With a number of timesaving features, the HBX Series strapping machines simplify operation and maintenance. In addition to the standard HBX models, the HBX Series line includes specialized models for corrosion resistance in damp environments, oversized products and for small, irregular packages.

Made in the U.S.A.

- Jam-resistant technology
- Bi-directional strap loading
- Out-of-strap feature
- Automatic cut-off and refeed option
- Fully accessible strap path
- Lubrication-free operation
- Variable speed reversible conveyor

Cycle rate: Up to 50-70 straps per minute. Actual rate will vary depending on package size, chute size and operator dexterity.

Specifications

Small frame – chute inner dimensions:

| | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | | |
|----------|------|-----|------|-----|------|-----|------|-----|------|------|----|------|
| W | 16* | 405 | 17 | 430 | 28 | 710 | 33 | 840 | 48 | 1220 | 48 | 1220 |
| H | 10* | 255 | 20 | 510 | 20 | 510 | 30 | 760 | 20 | 510 | 48 | 1220 |

Large frame – chute inner dimensions:

| | inch | mm | inch | mm |
|----------|------|------|------|------|
| W | 65 | 1650 | 90 | 2285 |
| H | 20 | 510 | 15 | 380 |

Minimum package size: 4"W x 4"H non-compressible package on flat tabletop.

Maximum package weight: 100 lbs. on machine or conveyor. May increase depending on weight distribution.

Strapping: Signode 9 mm and 12 mm Contrax polypropylene strapping.

Electrical: 120 VAC, 60Hz; 3 phase voltage optional.

Shipping weight: Small frame: 600-700 lbs.
Large frame: 900-1,100 lbs.

* Available on semiautomatic model only.

HB-4310

Side Seal Strapping System



Finishes: Painted
Stainless steel

The HB-4310 side seal plastic strapping machine combines HB technology with a side-mounted head for consistent, reliable, low maintenance, side seal strapping operation. A corrosion-resistant model (24" x 24" chute only) is available for packaging operations where condensation is a problem. (Not for wash-down applications.)

Made in the U.S.A.

- Jam-resistant technology
- Automatic loading
- Automatic cut-off and refeed option
- Fully accessible strapping head and strap path
- Lubrication-free operation
- High tension

Specifications

Chute inner dimensions:

| | Small chute | | Medium chute | | Large chutes | | | |
|----------|-------------|-----|--------------|-----|--------------|------|------|------|
| | inch | mm | inch | mm | inch | mm | inch | mm |
| W | 24 | 610 | 36 | 914 | 48 | 1219 | 60 | 1524 |
| H | 24 | 610 | 36 | 914 | 60 | 1524 | 60 | 1524 |

Maximum package weight: 25 lbs. per roller on the 24" x 24" model only.

Production rate: Up to 52 straps per minute in a 36" x 36" chute with a 34" x 34" package. Actual production will vary depending on package size, chute size and operator dexterity.

Strapping: Signode 9 mm or 10.5 mm polypropylene strapping.

Strap tension: Adjustable up to 250 lbs.

Electrical: Standard: 120 volt, 60 Hz; 3 phase voltage optional.

Shipping weight: 700-950 lbs.

MH-VRB

Semiautomatic Side Seal Strapping System



The MH-VRB side seal plastic strapping machine applies consistent, high strap tension to palletized loads in a wide range of sizes. The MH-VRB can be used with 9 mm or 10.5 mm polypropylene or polyester strapping to accommodate a variety of load types, including cartons, palletized products, appliances, bulk bins, bales and bundled items.

- Automatic refeed
- Low maintenance. Few wearing parts to replace
- High tension
- Easy access to strap path
- Quick-change technology

Specifications

Chute size: Contact your Signode Sales representative for chute sizes.

Minimum load height: 47" (including pallet).

Strapping: Signode 9 mm or 10.5 mm polypropylene or polyester strapping.

Strap tension: Adjustable from 17 lbs. to 200 lbs.

Electrical: 400 volt, 3 phase, 50 Hz

Shipping weight: 1,320 lbs.

MOD-710

Side Seal Strapping System



The MOD-710 side seal plastic strapping machine combines quick-change technology with high speed reliable operation to maximize productivity. Simple to operate and easy to maintain, the MOD-710 features a modular head with separate tensioning and sealing modules that are easy to access and can be changed out quickly for routine maintenance. The MOD-710 is available in 69 standard chute sizes and uses Contrax polypropylene or Tenax polyester strapping. Made in the U.S.A.

- Side seal joint
- Few wearable parts to replace
- Quick-change technology
- Smart-weld technology

Specifications

Chute size (maximum package size): Available in chute sizes to accommodate any combination of the following widths and heights:

Maximum Width: 18", 24", 30", 36", 48", 60", 72", 84", 96", 108"

Maximum Height: 24", 30", 36", 48", 60", 72", 84", 96", 108"

Production rate: Up to 1,150 straps per hour. Actual production will vary depending on package and chute size, operator dexterity and material handling equipment.

Tension: Adjustable from 20 to 200 lbs.

Strapping: Signode Contrax polypropylene or Tenax polyester strapping.

Electrical: 230/460 volts, 3 phase, 60Hz.

Shipping weight: 750 lbs.

MHG

Signature Bundling Machine



The MHG Signature Bundling Machine is simpler to operate and maintain than any other signature bundling system currently on the market. The MHG combines fewer parts with a streamlined design to help lower maintenance costs and improve signature quality. Easily adaptable to your stacker specifications as a self-contained unit with a moveable cart or a bolt-on unit with adapter plates.

- Accommodates vertical or horizontal applications
- Custom chute sizes available
- Fully accessible strap path
- Two position strap dispenser
- Modular head technology

Specifications

Minimum center to center: 8.5"

Minimum package size: 15"

Feed rate: 12 feet per second

Module Weight: Feeder module: 20 lbs
Sealer module: 30 lbs

Tension: Up to 30 lbs.

Strapping: 7/16 or 1/2" polyester or polypropylene

Electrical: 208, 230, 400, 440, 460 or 480 volt; 3 phase, 50/60Hz;
575 volt, 3 phase, 60Hz optional

Shipping weight: Dependent on unit configuration

Signode's MOD-710 and MHG both feature our modular head, quick-change technology consisting of separate feed and seal modules. These lightweight, compact modules

are easy to access and can be changed out quickly for routine maintenance. When switching to a spare module, downtime can be limited to a matter of minutes.

MOD-710 feed and seal modules



- Easy to operate
- Less downtime
- Fewer moving parts
- No belts, pulleys or adjustments

MHG feed and seal modules



LBX-6520

Automatic Strapping System



The LBX-6520 high-speed automatic corrugated bundler withstands intense production schedules with minimal maintenance and operator involvement. Preventative maintenance features and automatic jam clearing ensure maximum uptime and long machine life. Made in the U.S.A.

- Fully accessible strap path
- Automatic loading
- Portable operator controls
- Automatic cut-off and refeed
- Adjustable photo eye
- Built-in cycle counter
- Variable speed reversible conveyor
- Single compression bar

Specifications

Maximum package size: 65"W x 19.5"H.

Minimum package size: 6"L x 6"W x 1"H.

Production rate: Up to 50 straps per minute. Actual production will vary depending on conveyor speed and package size.

Maximum package weight: 100 lbs. on machine or conveyor. May increase depending on weight distribution.

Tension: Adjustable from 2 lbs. to 60 lbs.

Conveyor height: Adjustable from 27" to 36".

Optional height kits: 36" to 46" or 41" to 55".

Strapping: 5mm polypropylene strapping.

Electrical: 208, 230, or 460 volts, 3 phase, 60Hz; 575 volts, 3 phase, 60Hz optional.

Shipping weight: Approximately 1,100 lbs.

LBX-Magazine™

Automatic Magazine Bundling System



Loaded with productivity enhancing features, the LBX-Magazine™ minimizes downtime, simplifies maintenance and virtually eliminates make-ready time between magazine runs. The hinged bundle handling device can be pivoted up to 90°, providing complete access to the tabletop and strapping head for maintenance. Made in the U.S.A.

- Three-belt tabletop
- Pop-up bundle diverter
- Ultra low strap tension
- Quick make-ready time
- Automatic cut-off and refeed option
- Strap feed from either direction
- Easy maintenance
- Fully accessible strap path

Specifications

Bundle size:

Minimum: 5" W x 7" L

Maximum: 18" W x 18"L

Height: Up to 14-1/2"

Cycle rate: Up to 42 straps per minute.

Conveyor speed: 50-150 ft per minute

Chute size: 20" W x 15" H

Strapping: 5 mm or 6 mm polypropylene strapping.

Compression: Up to 120 lbs. at 90 psi

Conveyor height: Adjustable, 26" to 39"

Optional height kit: 40" to 54"

Electrical: 230 volts, 60Hz, FLA 4.7 amp; 460 volts, 60Hz FLA 2.3 amp.

Shipping weight: 950 lbs.

Economic Evaluation Summary



Customer _____ Date _____

Annual Costs **Present** **Proposed**

Package container costs (If applicable)

| | | |
|----------|----------|----------|
| a. _____ | \$ _____ | \$ _____ |
| b. _____ | \$ _____ | \$ _____ |
| c. _____ | \$ _____ | \$ _____ |
| d. _____ | \$ _____ | \$ _____ |

Reinforcement/closure cost

| | | |
|----------|----------|----------|
| a. _____ | \$ _____ | \$ _____ |
| b. _____ | \$ _____ | \$ _____ |
| c. _____ | \$ _____ | \$ _____ |
| d. _____ | \$ _____ | \$ _____ |

Labor cost

| | | |
|----------|----------|----------|
| a. _____ | \$ _____ | \$ _____ |
| b. _____ | \$ _____ | \$ _____ |
| c. _____ | \$ _____ | \$ _____ |
| d. _____ | \$ _____ | \$ _____ |

Other costs

| | | |
|----------|----------|----------|
| a. _____ | \$ _____ | \$ _____ |
| b. _____ | \$ _____ | \$ _____ |
| c. _____ | \$ _____ | \$ _____ |
| d. _____ | \$ _____ | \$ _____ |

Total cost: \$ _____ \$ _____

1. Estimated annual savings: (Present minus proposed) \$ _____

Investment

2. Equipment \$ _____

3. Approximate annual depreciation (Line 2 divided by 8 years) \$ _____

4. Annual savings after depreciation (Line 1 minus line 3) \$ _____

5. Profit after taxes (Line 4 x 34% and state tax) \$ _____

6. Approximate annual cash savings (Line 5 + line 3) \$ _____

7. Payback period _____ Years
(Line 2 divided by line 6)

Comments: _____

Signode Packaging Systems • 3650 West Lake Avenue • Glenview, Illinois 60026

1-800-323-2464 For additional information on our products and services, please go to www.signode.com