

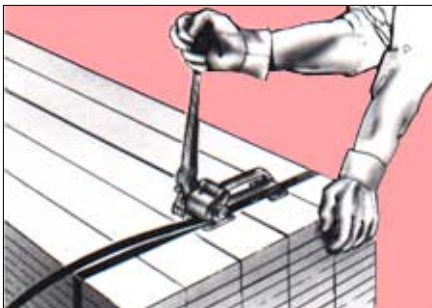
Manual tensioners, feedwheel type/Steel

Manual tensioners

Signode® hand tensioners allow operators to bring strap to desired tension with minimal interruption and strap waste. There are four basic types of tensioners for steel strapping: the feed-wheel type, the push type, the windlass type and the rack-and-pinion type. Each tensioner type fulfills specific packaging needs.

Feedwheel type—for general use

Fast and easy to use, the feedwheel tensioner has a serrated feedwheel that firmly engages the strapping. There is no limit to the amount of slack it can pull out of the strap. It requires the use of painted and waxed strapping and is designed for use on flat surfaces.



ST
Multi-purpose. Low tension

T
General use. Medium tension



TH-34-114
General use. High tension

Manual tensioner specifications

Tensioner Model	Part Number	Description	Mechanical Advantage*	Strap Size				Strap Type	Strap Finish	Weight	
				Width		Thickness				lb	kg
				inch	mm	inch	mm				
ST	003480	Feedwheel Type	12	3/8-3/4	9.5-19.0	0.017-0.023	0.43-0.58	Apex Plus, Magnus	Painted & Waxed	4	1.8
T	003450	Manual	18	5/8-3/4	15.9-19.0	0.017-0.025	0.43-0.64	Apex Plus, Magnus	Painted & Waxed	5	2.3
TH-34 114	020500	Tensioner	25	3/4-1-1/4	19.0-31.8	0.017-0.035	0.43-0.89	Apex Plus, Magnus	Painted & Waxed	7	3.2

*Mechanical advantage indicates approximately how many times the force applied to handle is multiplied to provide tensioning.

Hand Tools

Steel/Manual tensioners

Push type—for round or irregular bundles

The push-type tensioner also has a serrated feedwheel to engage the strap, but is designed for use on round or irregular-shaped packages. 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.



Rack-and-pinion type—for heavy, round or irregular bundles

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. The tensioner has limited take-up.



Windlass type for heavy-duty applications

The windlass tensioner simply winds one end of the strapping around a slotted windlass shaft. Primarily used with dry heavier strapping, for heavy-duty applications (e.g., carloading). It requires that strapping be pre-cut to desired lengths.



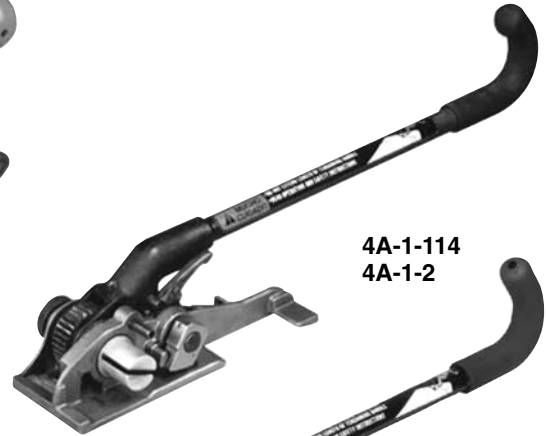
PF
Unlimited strap take-up.
Medium tension



PFH
Unlimited strap take-up.
High tension



PH-2
5-3/8" (137mm) strap take-up



4A-1-114
4A-1-2



4A-1-114KR
For carloading paper rolls

Manual tensioner specifications

Tensioner Model	Part Number	Description	Mechanical Advantage*	Strap Size				Strap Type	Strap Finish	Weight	
				Width		Thickness				lb	kg
				inch	mm	inch	mm				
PF	017900	Push Type Manual Tensioner	18	3/8-3/4	9.5-19.0	0.017-0.023	0.43-0.58	Apex Plus, Magnus	Painted & Waxed	4	1.8
PFH	017930		23	3/4-1-1/4	19.0-31.8	0.025-0.035	0.64-0.89	Apex Plus, Magnus	Painted & Waxed	7	3.2
4A-1-114	184125	Windlass Type	28	1-1/4	31.8	0.031-0.050	0.79-1.27	Magnus	Painted, Painted & Waxed	12	5.4
4A-1-114KR	184135		33	2	50.8	0.044-0.050	1.12-1.27	Magnus	Painted,	16	7.3
PH-2	010065	Rack & Pinion Type	22	3/4-1-1/4	19.0-31.8	0.017-0.035	0.43-0.89	Apex Plus, Magnus	Painted & Waxed	7	3.2

*Mechanical advantage indicates approximately how many times the force applied to handle is multiplied to provide tensioning.

Steel/Manual sealers, side action

Manual sealers

Signode manual sealers provide positive sealing action with minimal effort. They are light and durable, and feature a sure-seal device that prevents the operator from removing the sealer before the sealing action is complete. This also prevents poorly crimped or partially sealed joints.

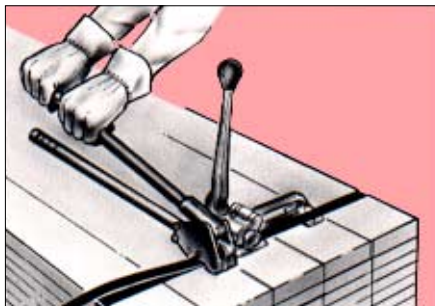
Signode sealers lock strap ends into high-strength joints. Notch-type sealers cut into the seal and outer edges of the strapping to form one or two sets of tabs, pushing the tabs down (down notch) or up (reverse notch).

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

Two sealer types—side-action and front-action

Side-action

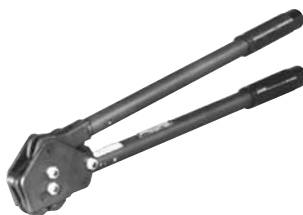
The side-action sealer's lower handle can be rested on the flat surface of the unit being strapped, enabling operators to apply much of their weight with both hands on the upper handle. Generally for heavier strapping applications.



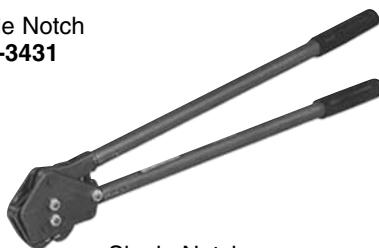
Double Notch
YC-1223
YC-5823
YC1-3425



Double Reverse Notch
RCD-3431



Single Notch
SYC-3431



Single Notch
C-1431
C-1450



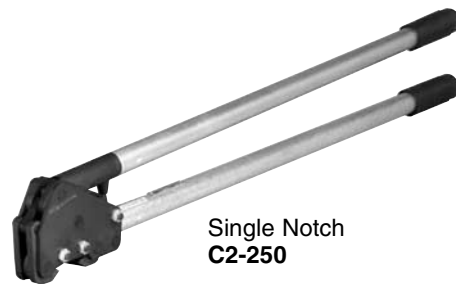
Double Reverse Notch
RCD-1431



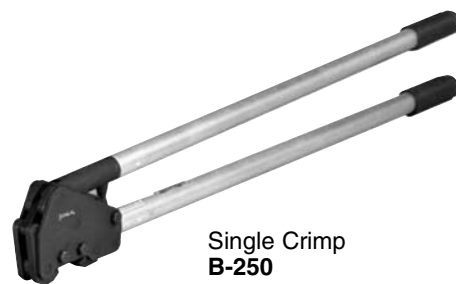
Single Crimp
B-1431
B-1450



Single Reverse Notch
RC-1435-50



Single Notch
C2-250



Single Crimp
B-250

Manual sealer specifications

Sealer Model	Part Number	Description	Strap Size				Seals Used	Joint Type	Weight	
			Width		Thickness				lb	kg
			inch	mm	inch	mm				
YC-1223	023850	Side-action	1/2	12.7	0.017	0.43	12C	3	1.4	
YC-5823	023858		5/8	15.9	0.017	0.43	58C	3	1.4	
YC1-3425	023875		3/4	19.0	0.017	0.43	34C	3	1.4	
RCD-3431	020560		3/4	19.0	0.025–0.031	0.64–0.79	34HOC	7	3.2	
SYC-3431	004040		3/4	19.0	0.025–0.031	0.64–0.79	34HCOF, 34HOC, 34SHOC	6	2.7	
C-1431	003970		1-1/4	31.8	0.029–0.031	0.74–0.79	114I, 114OF, 114P	8	3.6	
RCD-1431	020350		1-1/4	31.8	0.029–0.031	0.74–0.79	114OF, 114P	7	3.2	
B-1431	020380		1-1/4	31.8	0.029–0.031	0.74–0.79	104DG, 107DG, 107DG OF, 114I	6	2.7	
RC-1435-50	004050		1-1/4	31.8	0.029–0.044	0.74–1.12	114I, 114OF, 114P	7	3.2	
C-1450	003990		1-1/4	31.8	0.044	1.12	114I, 114OF, 114P	8	3.6	
B-1450	020580		1-1/4	31.8	0.044	1.12	104DG, 107DG, 107DG OF, 114I, 117HDG OF	8	3.6	
C2-250	013150		2	50.8	0.044–0.050	1.12–1.27	208TO	13	5.9	
B-250	020530		2	50.8	0.044–0.050	1.12–1.27	208DG, 208TO	12	5.4	

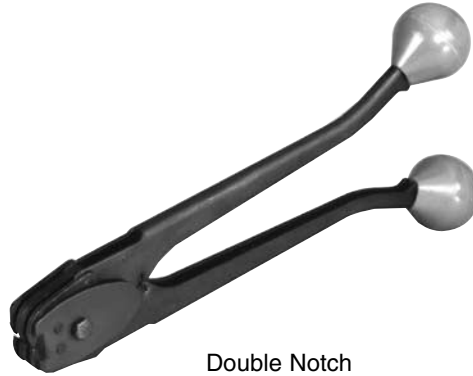
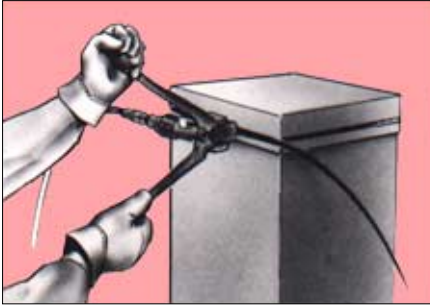
Hand Tools

Steel/Manual sealers, front action

3610 W. Lake Ave. • Glenview IL 60025
1-800-323-2464

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 chest. Generally for light-duty strapping applications.



Double Notch
C-3820
C-1223
C-5823
C-3423



Single Reverse Notch
SRC-3820
SRC-1223
SRC-5823
SRC-3423

Manual sealer specifications

Sealer Model	Part Number	Description	Strap Size				Seals Used	Joint Type	Weight	
			Width		Thickness				lb	kg
			inch	mm	inch	mm				
C-3820	008600	Front-action	3/8	9.5	0.015–0.017	0.38–0.43	38C	Double Notch	3	1.4
SRC-3820	008620						38SPC	Single Reverse Notch		
C-1223	008605	Front-action	1/2	12.7	0.017	0.43	12C	Double Notch	3	1.4
SRC-1223	008625						12SPC	Single Reverse Notch		
C-5823	008610	Front-action	5/8	15.9	0.017	0.43	58C	Double Notch	3	1.4
SRC-5823	008630						58SPC	Single Reverse Notch		
C-3423	008615	Front-action	3/4	19.0	0.017	0.43	34C	Double Notch	3	1.4
SRC-3423	008635						34PNSC	Single Reverse Notch		