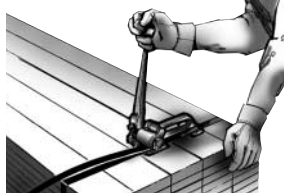


Signode hand tensioners allow operators to bring strap to desired tension with minimal interruption, effort and strap waste.

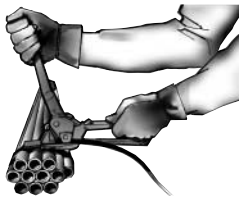
Most tensioners have a base which goes under the strapping and rests on the flat surface of the object being strapped. For smaller or irregular bundles, a push-type tensioner, which has no base under the strap, is recommended.

**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**



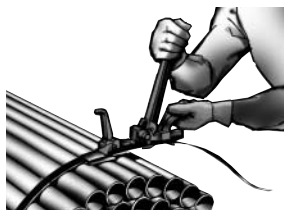
**Windlass—for heavy-duty applications**

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-114	020500	1-1/4	31.8	0.029-0.035	0.74-0.89	Magnus		25	7	3.2



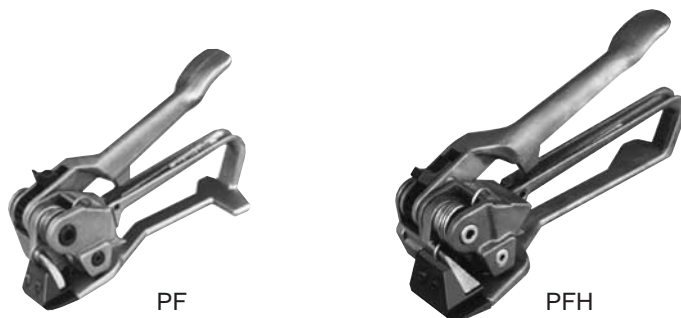
ST

T

TH

**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
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4A1-114, 4A1-2

PH-2