

For uncompromising quality and packaging effectiveness

Consistent high quality makes Signode steel strapping the first choice among packaging professionals worldwide. Purchasing professionals also prefer Signode strapping because it's made to the most exacting tolerances, so it goes further and stretches their strapping dollars.

Signode offers two basic types of steel strapping: Apex, Apex Plus and Magnus. Each is specially formulated to meet the demands of a particular range of applications.

Apex™ and 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.

The particular type of strapping best suited to a specific application generally depends on three factors:

- 1) Strapping function or purpose
- 2) Package characteristics
- 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, 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.

Together, these various factors tend to narrow the choice to a particular set of strap characteristics. Your sales representative can help you determine your strapping requirements, such as width, thickness, finish, type of steel and tensile strength.

Strap Size				Part	Average Strength*		Yield		Coil Winding	Coil Weight lbs	Strap Finish
Width		Thickness			lbs	N	ft/lb	m/kg			
inch	mm	inch	mm								

Apex strapping

3/8	9.5	0.015	0.38	085012	730	3 250	54.2	35.2	Mill	105	Curved Edge Painted & Waxed
3/8	9.5	0.020	0.51	085003	900	4 000	39.3	26.4	Mill	105	Painted & Waxed
3/8	9.5	0.020	0.51	085013	900	4 000	39.3	26.4	Mill	105	Curved Edge Painted & Waxed
1/2	12.7	0.020	0.51	085009	1,170	5 200	29.4	19.8	Mill	105	Painted & Waxed
1/2	12.7	0.023	0.58	085200	1,300	5 780	25.6	17.2	Mill	105	Painted & Waxed
5/8	15.9	0.020	0.51	085203	1,460	6 490	23.6	15.9	Mill	105	Painted & Waxed
5/8	15.9	0.023	0.58	085204	1,670	7 430	20.5	13.8	Mill	105	Painted & Waxed
3/4	19.0	0.020	0.51	085206	1,750	7 780	19.6	13.2	Mill	105	Painted & Waxed
3/4	19.0	0.023	0.58	085207	1,950	8 670	17.1	11.5	Mill	105	Painted & Waxed

Apex Plus strapping

3/8	9.5	0.017	0.43	2X1503	975	4 340	46.1	31.0	Mill	105	Curved Edge Painted & Waxed
1/2	12.7	0.020	0.51	2X1174	1,475	6 560	29.4	19.7	Mill	105	Zinc
3/4	19.0	0.017**	0.43	2X1506	1,900	8 450	23.1	15.5	Mill	105	Painted & Waxed

Magnus strapping

1/2	12.7	0.020	0.51	085604	1,540	6 850	29.4	19.7	Mill	105	Painted & Waxed
5/8	15.9	0.020**	0.51	085644	1,920	8 540	23.6	15.8	Mill	105	Painted & Waxed
5/8	15.9	0.023	0.58	088432	2,200	9 790	20.5	13.7	Mill	105	Painted & Waxed
3/4	19.0	0.020	0.51	089397	2,300	10 230	19.6	13.1	Mill	105	Painted & Waxed
3/4	19.0	0.023	0.58	089370	2,640	11 740	17.1	11.5	Mill	105	Painted & Waxed
3/4	19.0	0.025**	0.64	085684	2,870	12 770	15.7	10.5	Mill	105	Painted & Waxed
3/4	19.0	0.029	0.74	2X1424	3,350	14 900	13.5	9.1	Mill	105	Painted & Waxed
1-1/4	31.8	0.025	0.64	089367	4,800	21 350	9.4	6.3	Ribbon	110	Painted & Waxed
1-1/4	31.8	0.029	0.74	2X1268	5,600	24 910	8.1	5.5	Ribbon	110	Painted & Waxed
1-1/4	31.8	0.029	0.74	2X1296	5,600	34 910	8.1	5.5	Ribbon	110	Zinc
1-1/4	31.8	0.035	1.12	0X4985	6,660	29 630	6.7	4.5	Ribbon	110	Painted & Waxed
1-1/4	31.8	0.044	1.12	2X1438	8,450	37 590	5.3	3.5	Ribbon	110	Painted & Waxed
2	50.8	0.044	1.12	2X1439	13,200	58 720	3.3	2.2	Ribbon	120	Painted & Waxed

Anchor strapping – Apex Plus

3/4	19.0	0.020	0.51	2X1509	1,255	5 580	19.6	13.1	Mill	105	Painted & Waxed
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Anchor strapping – Magnus

1-1/4	31.8	0.029	0.74	2X1421	4,020	17 880	8.1	5.5	Ribbon	110	Painted & Waxed
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* 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.