

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
		.025	0.64	089367	4,650	20 680	9.4	6.3	Ribbon	110	Painted & Waxed
1-1/4	31.8	.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
		.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
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Anchor strapping — Magnus

1-1/4	31.8	.029	0.74	2X1421	4,020	19 130	7.6	3.4	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.

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.