



Signode is 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.

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	26	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	12	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				
	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					
LB, SP Light Duty Contrax	LB 112	Clear	2X1844	5	3/16	100	445	30,000	9 146	16	406	7.88	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	7.88	200	7.8	198	27				
	LB 212	Yellow	2X1848																	
	LB 113	Clear	2X1601	5	3/16	120	530	25,000	7 622	16	406	7.88	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	7.88	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	7.88	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	7.88	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	7.88	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	7.88	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	7.88	200	7.8	198	27					
SP 723	Black	2X1617																		



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	Strapping Application Methods		
			mm	inch	lbs	N	feet	m	inch	mm	inch	mm	inch	mm					
Empax	2X1852	White	9	3/8	250	1 110	12,900	3 935	8	203	8	203	16	406	25	24 coils/skid	TTX, Table Tyer Power Strapping Machines		
	2X1853		9	3/8	250	1 110	12,900	3 935	9	229	8	203	16	406	25				
	2X1854		12	1/2	325	1 445	9,900	3 020	8	203	8	203	16	406	26				
	2X1855		12	1/2	325	1 445	9,900	3 020	9	229	8	203	16	406	26				
	2X1856	Black	12	1/2	300	1 335	9,000	2 745	16	406	6	152	24	609	17			24 coils/skid	Hand tools and buckle application
	2X1857		12	1/2	500	2 225	7,200	2 195	16	406	6	152	24	609	22				



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.

Tenax® strapping – 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			
Tenax	Green	2X1710	9	3/8	425	1 890	14,500	4 420	24	609	16	406	6	152	57	24	MOD-710 Power Strapping Machines
		1716LC	10.5	7/16	475	2 110	11,550	3 520	24	609	16	406	6	152	55		MOD-710 Power Strapping Machines, Pneumatic Tension-Weld Tools
		1718	10.5	7/16	600	2 670	9,600	2 926	24	609	19	406	6	152	55		
		1718LC	10.5	7/16	550	2 450	9,900	3 018	24	609	16	406	6	152	53	12	MOD-710 Power Strapping Machines, Pneumatic Tension-Weld Tools, Hand Tools using metal seals
		1816	12	1/2	500	2 220	10,500	3 200	24	609	16	406	6	152	51		
		1818	12	1/2	600	2 670	9,000	2 740	24	609	16	406	6	152	51		
		1822	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	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	15.6	5/8	1,300	5 785	4,000	1 220	24	609	16	406	6	152	55		
		2040*	15.6	5/8	1,400	6 230	4,000	1 219	24	609	16	406	6	152	50		
		2040H*	15.6	5/8	1,600	7 170	4,000	1 219	24	609	16	406	6	152	57		
		2220	19.0	3/4	1,900	8 452	3,000	914	24	609	16	406	6	152	52		
		2225*	19.0	3/4	2,500	11 120	2,400	732	24	609	16	406	6	152	52		
		2480	25.4	1	2,500	11 120	2,200	670	24	609	16	406	6	152	50	Hand Tools designed specifically for use with High-Strength Tenax	
		10050	25.4	1	3,000	13 345	1,800	626	24	609	16	406	6	152	51		

* 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.

Dymax® strapping – nylon

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	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	11.1	7/16	790	3 510	7,200	2 190	24	609	16	406	6	152	44.5		
		502	12.7	1/2	475	2 110	12,000	3 660	24	609	16	406	6	152	44.5		Hand Tools using metal seals (50SL or 50DL Buckles w/502 Dymax), Pneumatic Tension-Weld Tools
		504	12.7	1/2	630	2 800	9,000	2 740	24	609	16	406	6	152	44.5		
		506	12.7	1/2	790	3 510	7,200	2 190	24	609	16	406	6	152	44.5		
		508	12.7	1/2	950	4 230	6,000	1 830	24	609	16	406	6	152	44.5		