

TENAX®

High performance polyester strapping

Retained tension for pack security

Improved product protection

Elastic memory maintains tension

Security of settling or cooling packs is retained as polyester Tenax® maintains its grip at all times.

Surface protection for products

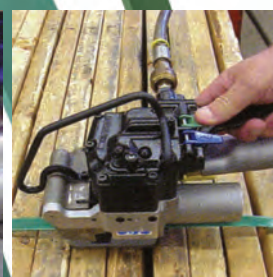
Tenax® is non-abrasive - no scratching, staining, indentation or surface damage, protects vulnerable materials.

Easy handling

Being 80% lighter than steel it is much easier to handle. With no sharp edges and being less sharp than steel, Tenax® is less likely to cause injury.

Easy recycling

Inert and non-contaminating, it's manufactured using post consumer polyester material from our own recycling facility and after use can be easily chopped up and stored for further recycling.



Heavy duty, high strength Tenax®

Sizes from 9mm x 0.52mm to 32mm x 1.27mm and up to 18,850 Newtons break strength for extra heavy duty applications.

High resistance to splitting

Tenax® is specially formulated to provide the highest resistance to strap splitting.

 **SIGNODE®**

POLYESTER STRAPPING

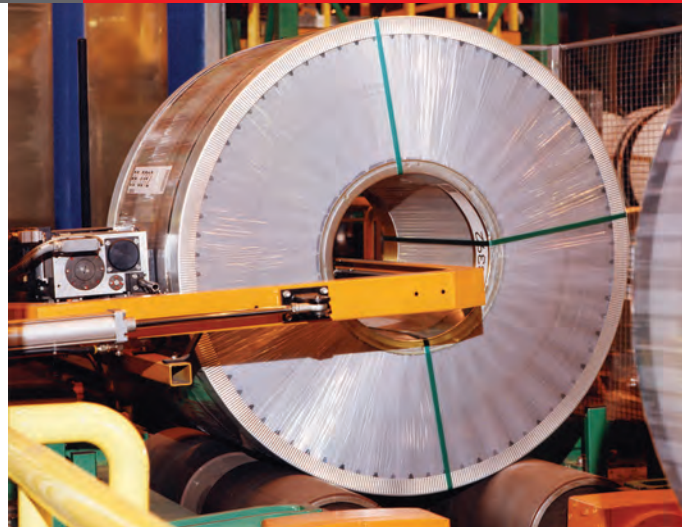
TENAX®

High performance polyester strapping

Packaging with SIGNODE for improved

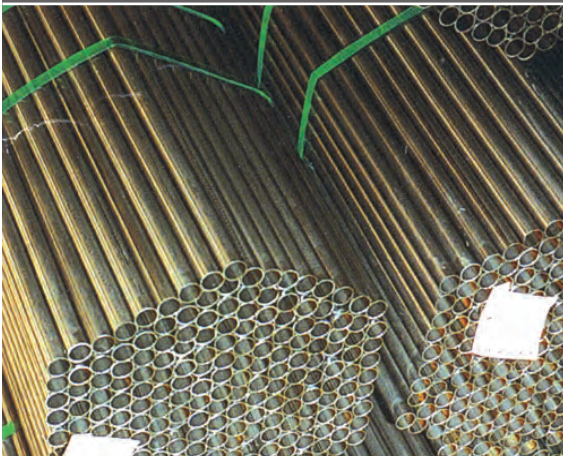
Tenax® high performance polyester strapping from Signode offers so many benefits for packaging metals, corrugated and cans, construction products, fibre bales, timber and paper, plus many more. Safer to handle and simpler to use than steel alternatives, Tenax® makes strapping easier and more economical.

- Retained high tension – ensures that pack is always secure with no loose straps
- Enhanced product protection and security
- High strength, heavy duty Tenax® for the toughest, most demanding applications
- Provides the highest degree of split resistance
- Fewer coil changes - each coil holds up to four times more strap than steel, reducing coil changes and increasing productivity



Safer to handle, simpler to store,

Protected product condition



Want your product to arrive in peak condition? Tenax® provides unbeatable protection. It's totally non-abrasive so there's no risk of scratching, staining or denting of vulnerable materials. Generally, there's no need for edge protection either.

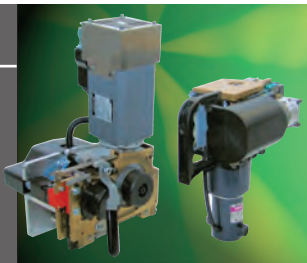
High strength and no relaxing



Extremely strong, tests have shown that Tenax® has a break strength of up to 18,850 Newtons and an impact resistance five times greater than comparable steel strapping – plus greater resistance to shock forces. And unlike steel, polyester Tenax® maintains its grip around a cooling, shrinking or settling pack – retaining total product security.

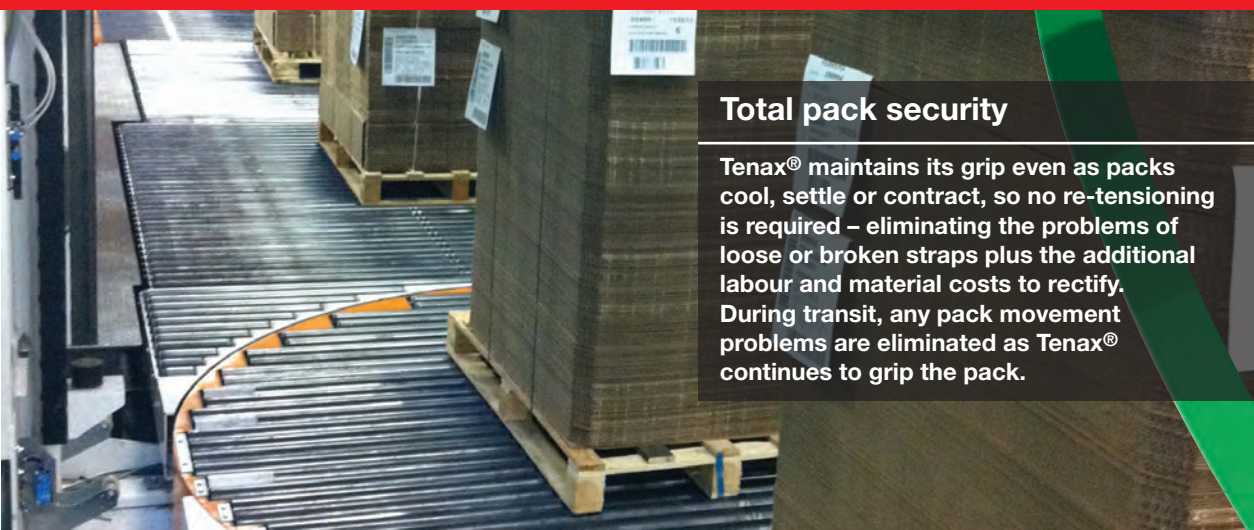
SIGNODE head technology

Used with Signode's MH, Z20, Z32 and AK200 strapping heads, Tenax® delivers the exceptionally high levels of tension once only available with steel strap. High feed and take up speeds plus unbeatable reliability all add up to increased productivity.



TENAX®

protection and security



Total pack security

Tenax® maintains its grip even as packs cool, settle or contract, so no re-tensioning is required – eliminating the problems of loose or broken straps plus the additional labour and material costs to rectify. During transit, any pack movement problems are eliminated as Tenax® continues to grip the pack.

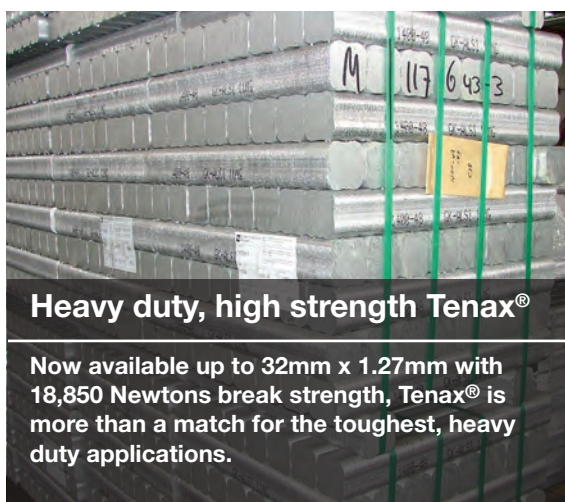


Tenax® makes strapping easier



No sharp edges, less spring back

Tenax® has no sharp edges to cut or damage the load and is safer to work with. When cut, strap spring back is significantly less than steel, enhancing the safety of personnel.



Heavy duty, high strength Tenax®

Now available up to 32mm x 1.27mm with 18,850 Newtons break strength, Tenax® is more than a match for the toughest, heavy duty applications.

Green credentials

Tenax® is up to 80% lighter than steel reducing freight costs and storage space. It's manufactured using up to 100% polyester post consumer waste from our own recycling plant where we clean, wash, chop and pelletise material to the highest standards. Tenax® is also very easy to store in chopped form after use ready for further recycling.

TENAX®

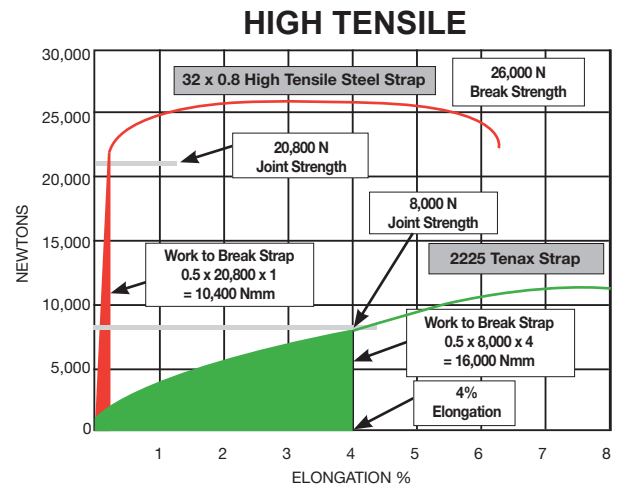
High performance polyester strapping

Technical specification and applications

Tenax® strapping range

	Type	Size (mm) Width x Thickness	Strength N	Standard m/coil	Jumbo m/coil	Super Jumbo m/coil
General Duty	1616	8.9 x 0.52	2,000	4,050		
	1716	10.5 x 0.52	2,220	3,350		
	1718	10.5 x 0.61	2,670	2,743		
	1816	11.9 x 0.44	2,220	3,200		
	1818	11.9 x 0.52	2,670	2,743		
	1822	11.9 x 0.71	3,560	1,981		
Heavy Duty	2030	15.62 x 0.76	4,900	1,600	4,400	
	2040	15.62 x 0.89	6,300	1,300	3,800	6,250
	2080	15.62 x 1.02	7,100	1,200	3,300	
	2220	19.05 x 0.89	7,500	1,100	3,100	5,100
	2225	19.05 x 1.27	11,100	800	2,200	3,600
	2480	25 x 1.02	11,500	750	2,100	
	2680	32 x 1.00	14,700	600		2,700
	2625	32 x 1.27	18,850	450		2,100

Tenax® strapping load and elongation curves



Tenax® strapping range head and tool compatibility

	STD/DY	AST	AMT	AMPT	VFX	VT	BXT	BXT2	BXT2	BXT2-32	MH	AK200/Z.20	Z32
Operation	M	M	P	P	P	P	B	B	B	B	E	E	E
Seal	50DY	50AD	AMT	50AD AMT	friction weld								
Tension N	1,000	1,000	3,500	1,000	800	3,600	1,200	2,000	2,300	4,000	2,000	6,000	9,000
General Duty	1616												
	1716												
	1718												
	1816												
	1818												
	1822												
Heavy Duty	2030												
	2040												
	2080												
	2220												
	2225												
	2480												
	2680												
	2625												

Key: M=Manual B=Battery E=Equipment P=Pneumatic

Tenax® coil specification

Coil	Weight	Coils / Pallet
Standard	25kg	12 or 24
Jumbo	70kg	6
Super Jumbo	115kg	4

