



Totally committed to meeting the needs of modern manufacturing industry, M. J. Maillis Group offers over half a century of packaging expertise. With a wide range of semiautomatic, automatic and specialist strapping machines - as well as high quality hand tools, consumables and the most comprehensive choice of polyester strapping available - we have the products and solutions to meet all your strapping requirements.

### M. J. Maillis Tensium Polyester Strapping Range

M. J. Maillis Tensium polyester strap is available in wide range of widths, colors and thicknesses.

Tensium strap can be utilized from the lightest applications (for example strapping of construction tiles) up to the most demanding heavy cold applications in the aluminum and steel industry (where the material's temperature is below 90 degrees Celsius).

### M. J. Maillis Tensium Polyester Strapping Ranges

The M.J.Maillis Tensium series is offered in six distinct application oriented ranges.

#### Tensium Cans and Bottles Range

Wooden top boards, soft corrugated interlayer boards and pallet stacking applied in cans and bottles packaging require a strap capable of following package height dimensional change.

Tensium Cans and Bottles is a dedicated strap has developed in order to deal with such demanding, in terms of retained tension, requirements of strapped palletized cans and bottles.

#### Tensium Construction Range

Packaging materials utilized in the construction industry require a distinct set of characteristics in order to be able to withstand sharp edged surfaces, climatic impact due to outdoor storage and intense shock absorbance during transport and on site installation. The Tensium Construction series has all the enhanced characteristics required to offer absolute load security to construction related packages.

#### Tensium Corrugated Range

Pallet strapping of bundled corrugated boards requires a delicate balance of offering a strap able to withstand the kickback of the pressurized corrugated stack, a high stiffness to run through large frames ratio and at the same instance have such a tensioning that will not destroy the delicate corrugated bungles. The Tensium Corrugated range offers a specialized high strength joint able to withstand pressurized corrugated bundles kick back and at the same time can be set up to a tension which will not harm the strapped goods.

#### Tensium Bailing Range

Tensium Bailing range has been designed to offer extremely high joint strap strength and low elongation after bails are released form high force compression units.

#### Tensium Heavy Duty Range

Heavy applications in the Timber and Steel industry require all strap characteristics to be on the highest possible level. High break load, enhanced joint efficiency, high retained tension, durability to sharp edges and low creep are all distinctive characteristics of the Tensium Heavy Duty series.

#### Tensium General Application Range

Tensium General Application Strap is a dedicated range to manual hand, battery powered and pneumatic tools for light to medium applications.

# POLYESTER STRAPPING

## Range and Technical Specification

M. J. Maillis offers a complete range of Polyester straps. Please see below the most common products of our range.

### Tensium – General Application Strapping

General applications series suitable for all hand tools (manual, pneumatic, battery operated).

Product Code	Width (mm)	Thickness (mm)	Breakload (Kgf) (N)		Length (m/coil)	Coils/Pallet	Strapping System Compatibility
Tensium GA 12X0,60	12	0,60	240	2355	2500	24 or 48	All hand tools, Manual Pneumatic and Battery Powered
Tensium GA 15X0,70	15	0,70	400	3930	1600	24 or 48	
Tensium GA 15X0,76	15	0,76	480	4710	1600	24 or 48	
Tensium GA 15,5X0,70	15,5	0,70	570	5600	1400	24 or 48	
Tensium GA 15,5X0,80	15,5	0,80	650	6380	1200	24 or 48	
Tensium GA 15,5X0,90	15,5	0,90	700	6870	1200	24 or 48	
Tensium GA 16X1	16	1	700	6870	1200	24 or 48	

Straps are manufactured at core dimension **150X406\***. Green is the standard strap color. Other strap dimensions and colors are available.

### Tensium – Cans & Bottles Strapping

Special series for smooth strapping of the sensitive cans and bottles with no strap loosening or damage of the package.

Product Code	Width (mm)	Thickness (mm)	Breakload (Kgf) (N)		Length (m/coil)	Coils/Pallet	Strapping System Compatibility
Tensium 9,2X0,53 Cans	9,2	0,53	160	1570	3810	24 or 48	Automatic pallet strapping machines and for hand tools (manual, pneumatic, battery operated)
Tensium 9,5X0,60 Cans	9,5	0,60	250	2455	3000	24 or 48	
Tensium 12X0,60 Cans	12	0,60	260	2555	2500	24 or 48	

All straps are manufactured at core dimension **150X406\***. Green is the standard strap color. Other strap dimensions and colors are available.

### Tensium – Construction Strapping

Tensium Matrix series for tiles and palletized construction products (bricks, pavers, block etc), offers high strap joint efficiency – holding force, prolonged durability to environmental impacts for long storage period and excellent shock absorption during violent handling.

Product Code	Width (mm)	Thickness (mm)	Breakload (Kgf) (N)		Length (m/coil)	Coils/Pallet	Strapping System Compatibility
Tensium Matrix 8,7X0,55	8,7	0,55	120	1180	3810	24 or 48	Horizontal and Vertical automatic machines with arch systems
Tensium Matrix 9,2X0,60	9,2	0,60	140	1375	3000	24 or 48	
Tensium Matrix 12X0,60	12	0,60	240	2355	2500	24 or 48	
Tensium Matrix 15X0,70	15	0,70	400	3930	1600	24 or 48	
Tensium Matrix 15X0,76	15	0,76	480	4710	1600	24 or 48	
Tensium Matrix 15,5X0,76 Smooth Waxed	15,5	0,76	570	5600	1400	24 or 48	
Tensium Matrix 15,5X0,90 Smooth Waxed	15,5	0,90	650	6380	1200	24 or 48	
Tensium Matrix 16X1 Smooth Waxed	16	1	700	6870	1200	24 or 48	

All straps are manufactured at core dimension **150X406\***. Green is the standard strap color. Other strap dimensions and colors are available.

### Tensium – Corrugated Strapping

Tensium Matrix series for pallet strapping of corrugated boards, offers excellent joint efficiency at the kick back tendency of the package and high stiffness capacity in order to run through large arch automatic pallet strapping systems.

Product Code	Width (mm)	Thickness (mm)	Breakload (Kgf) (N)		Length (m/coil)	Coils/Pallet	Strapping System Compatibility
Tensium Matrix 9,2X0,60	9,2	0,60	140	1375	3000	24 or 48	Automatic pallet strapping machines with large arch systems and for hand tools (manual, pneumatic, battery powered)
Tensium Matrix 12X0,60	12	0,60	240	2355	2500	24 or 48	

All straps are manufactured at core dimension **150X406\***. Green is the standard strap color. Other strap dimensions and colors are available.

### Tensium – Bailing Strapping

Special series for the packaging of bailed groups providing high strap joint strength for safe securing of the package.

Product Code	Width (mm)	Thickness (mm)	Breakload (Kgf) (N)		Length (m/coil)	Coils/Pallet	Strapping System Compatibility
Tensium 16X0,88 Smooth Bailing	16	0,88	650	6380	1200	24 or 48	Automatic strapping machines and for hand tools (manual, pneumatic, battery powered).
Tensium 19X1 Smooth Bailing	19	1	900	8840	1000	24 or 48	

All straps are manufactured at core dimension **150X406\*** and **190X406\***. Green is the standard strap color. Other strap dimensions and colors are available.

### Tensium – Heavy Duty Strapping

Premium series for demanding applications in timber and steel industries. Offers high strap break load and joint strap joint strength

Product Code	Width (mm)	Thickness (mm)	Breakload (Kgf) (N)		Length (m/coil)	Coils/Pallet	Strapping System Compatibility
Tensium 16X0,88 Embossed	16	0,88	620	6090	1200	24 or 48	Automatic strapping machines and for all hand tools (manual, pneumatic, battery powered)
Tensium 16X0,88 Smooth	16	0,88	650	6380	1200	24 or 48	
Tensium 16X1 Smooth	16	1	700	6870	1200	24 or 48	
Tensium 19X1,27 Embossed	19	1,27	950	9330	750	24 or 48	
Tensium 19X1,27 Smooth	19	1,27	1050	10310	750	24 or 48	
Tensium 25X1 Smooth	25	1	1150	11290	650	24 or 48	
Tensium 32X0,60 Smooth	32	0,60	840	8250	800	24 or 48	
Tensium 32X0,80 Embossed	32	0,80	1150	11290	600	24 or 48	
Tensium 32X1 Embossed	32	1	1200	11780	500	24 or 48	
Tensium 32X1 Smooth	32	1	1500	14730	450	24 or 48	

All straps are manufactured at core dimension **150X406\*** and **190X406\***. Green is the standard strap color. Other strap dimensions and colors are available.

\* Dimension: Width (mm) X Internal Diameter (mm).

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