

# **STRONG & SECURE**



SUPERIOR STRENGTH & LOW ELONGATION  
TO ENSURE YOUR CARGO ARRIVES SAFELY

## **TIE DOWN WEBBING**

Specialists in cargo securement solutions, including the low elongation Powerite<sup>®</sup> range, Webbing Products supplies superior quality tie down webbings which meet local and international standards for use with tie down hardware to secure cargo or equipment during road, rail or sea transit.

Cargo being transported in any mode is continually subjected to forces through load shift. This can lead to cargo movement causing significant damage to cargo, vehicle, and property which could result in accidents during transport. The use of quality webbing as well as the correct application of the cargo securement system is vital to prevent such damage.

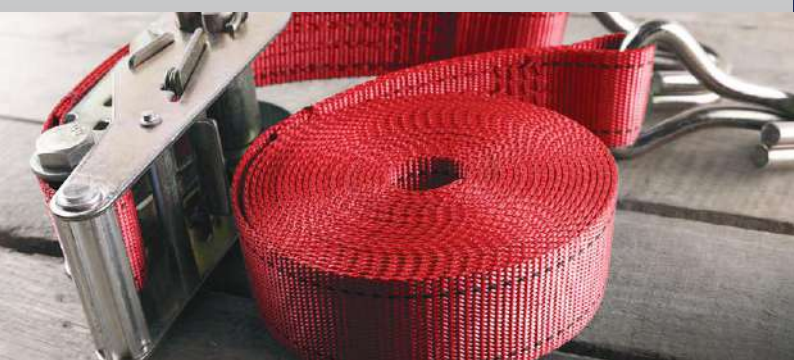
Tie down webbing is also referred to as ratchet strap webbing or lashing webbing.

### **QUALITY ASSURED**

High quality materials and superior manufacturing processes allow for a world class product performance which is supported by the company's ISO 9001:2015 quality management system, vigorous in house testing as well as industry testing facilities. This ensures compliance to stringent quality standards and peace of mind to our customers. Comparative testing confirms the superior performance of the tie down webbing and its performance criteria when measured against the relevant specifications.

### **ACCREDITATION**

Webbing Products is ISO 9001:2015 certified with its quality management system key in producing high quality products for global supply.



# CONSTRUCTION

- An extensive range of cargo securement webbings or lashings are manufactured from ultra-high tenacity polyester yarns, utilising compact weave patterns to provide superior system strengths while remaining durable and versatile.
- Differentiating break strengths are identified by the use of identity lines and colour coding to customer specifications.
- Specialised finishing equipment is utilised to provide the Powerite® webbings low elongation characteristics specifically designed to afford very little load movement.
- The melting point of the polyester utilised is 260°C. Working temperatures range from -20°C to 150°C with peaks up to 200°C. Polyester is durable, abrasion and water resistant and resistant to ultra violet (UV) light.
- The full range of tie down webbings available from Webbing Products includes:
  - **Lightweight tie down webbing**
  - **Industrial tie down webbing**
  - **Furniture webbing**

- The specialist range of tie down webbings commences at break strengths of 650kg up to 6 ton webbings.
- Webbing is normally supplied in 100m rolls with personalised printing and branding available upon request. Longer lengths are available to special order.
- Ancillary hardware, including ratchets and hooks, are also available providing customers with ease of supply for the components required to manufacture complete securement systems. The hardware range includes ratchets, J, S and U hooks. Available from stock, the hardware is produced to superior quality standards and ensures ease of use for the end user.



## FEATURES & BENEFITS

### LOW ELONGATION

Low elongation, obtained through a specialised finishing process, reduces the inherent elongation properties of the polyester. This allows for reduced cargo movement and settling during transit thus minimising potential damage to both cargo and transport.

### SUPERIOR STRENGTH FACTORS

The tie down webbings are manufactured from ultra-high tenacity polyester yarns which ensure reliability and conformity in terms of the customer applications and are available in a range of break strengths from 500kg to 6 ton. Differentiating break strengths are identified by the use of identity lines and colour coding to customer specifications.

### HIGH ABRASION RESISTANCE

The natural abrasion resistance of the polyester yarn, together with compact weave patterns, ensures the high abrasion resistance of the tie down webbings. This allows for a long lasting life span for the end application as well as preventing dirt and foreign particles from damaging the webbing.

### UV RESISTANCE

Polyester is highly resistant to ultra violet light, providing an ideal yarn choice for outdoor applications requiring long lasting strength and longevity.

### LOW WATER ABSORPTION AND CHEMICAL RESISTANCE

Polyester webbings are water resistant as well as resistant to mould, rotting and certain chemical contaminants. Specialised finishes are also available to enhance the inherent properties of the webbing or to add custom characteristics.

These include, amongst others, flame retardency, anti-static and Teflon coatings.

### EASE OF USE

Soft to the touch, the man-made fibers provide a safe working environment for attaching hardware as well as tensioning the tie down straps. Non slip, adaptable and easy to store provides further enhancement to the value of the tie down webbing range.

### CUT RESISTANT

Certain of our tie down products have been engineered with cut resistant fibers to provide additional value to the user.

### SPECIFIC APPLICATIONS

The development of specialised tie down webbing for use within the furniture industry was completed to meet the requirements within this segment. The furniture webbing is manufactured from either polyester, nylon or polypropylene yarns providing a webbing with an extremely soft finish and elasticity whilst still retaining the required strength factor.

The furniture webbing is extremely abrasion resistant but soft to the touch, engineered to give strength without causing damage to precious cargo like household furniture.

## CONTACT DETAILS

Tel: +27 41 484 5483 | Fax: +27 41 484 6415

Email: [sales@webbing.co.za](mailto:sales@webbing.co.za) | [www.webbingproducts.com](http://www.webbingproducts.com)

The purpose of this document is to detail specifications, test results and limits of the tie down webbing range. As such, the information provided is only relevant to use within the product design and may not be relevant should the product be utilised in any improper manner.

# TIE DOWN WEBBING

STOCK CODE	PRODUCT DESCRIPTION	WIDTH (MM)	WIDTH (INCHES)	BREAK STRENGTH (KG)	BREAK STRENGTH (POUNDS)	WEAVE TYPE	POPULAR COLOUR	NATURAL	STIFFENED	PIGMENTED	DYED
								• DENOTES STANDARD PRODUCTS			
C2005	Polyester Tie Down Webbing	16	5/8	420	920	Flat	Black	•			•
C2067	Polyester Tie Down Webbing	50	2	600	1 320	Flat	Light Yellow	•			•
C1621	Polyester Tie Down Webbing	25	1	650	1 430	Flat	Black	•	•	•	•
C2155	Polyester Tie Down Webbing	25	1	650	1 430	Flat	Natural	•			•
C0785	Polyester Tie Down Webbing	25	1	1 200	2 640	Flat	Natural	•			•
C1620	Polyester Tie Down Webbing	25	1	1 200	2 640	Flat	Black	•			•
C1180	Polyester Tie Down Webbing	25	1	1 500	3 300	Flat	Black	•			•
C1556	Polyester Tie Down Webbing	25	1	1 500	3 300	Flat	Black	•			•
C2197	Polyester Tie Down Webbing	25	1	1 500	3 300	Flat	Black	•			•
C2196	Polyester Tie Down Webbing	38	1 1/2	1 500	3 300	Flat	Navy	•			•
C1372	Polyester Tie Down Webbing	25	1	1 800	3 960	Flat	Red	•			•
C2228	Polyester Tie Down Webbing	35	1 3/8	2 000	4 400	Flat	Natural	•			•
C2170	Polyester Tie Down Webbing	50	2	2 000	4 400	Flat	Natural	•			•
C2173	Polyester Tie Down Webbing	50	2	2 000	4 400	Flat	Flourescent Orange		•	•	•
C2194	Polyester Tie Down Webbing	50	2	2 000	4 400	Flat	Black		•	•	•
C2195	Polyester Tie Down Webbing	50	2	2 000	4 400	Flat	Natural	•			•
C1555	Polyester Tie Down Webbing	35	1 3/8	2 500	5 510	Flat	Black	•	•	•	•
C1812	Polyester Tie Down Webbing	45	1 7/9	2 500	5 510	Flat	Black	•			•
C2167	Polyester Tie Down Webbing	40	1 4/7	3 000	6 610	Flat	Natural	•			•
C2085	Polyester Tie Down Webbing	50	2	3 000	6 610	Flat	Black		•	•	•
C2171	Polyester Tie Down Webbing	50	2	3 000	6 610	Flat	Stiffened		•	•	•
C2168	Polyester Tie Down Webbing	50	2	4 000	8 810	Flat	Natural	•			•
C2172	Polyester Tie Down Webbing	50	2	4 000	8 810	Flat	Stiffened		•	•	•
C1929	Polyester Tie Down Webbing	50	2	5 000	11 020	Flat	Blue	•		•	•
C2101	Polyester Tie Down Webbing	50	2	5 000	11 020	Flat	Burnt Orange	•			•
C2169	Polyester Tie Down Webbing	50	2	5 000	11 020	Flat	Flourescent Orange	•	•	•	•
C2066	Polyester Tie Down Webbing	50	2	6 000	13 220	Flat	Flourescent Orange	•			•
C2116	Polyester Tie Down Webbing	50	2	6 000	13 220	Flat	Natural	•			•
C2107	Polyester Absorb Edge Tie Down Webbing	55	2 1/6	6 000	13 220	Flat	Gold	•			•