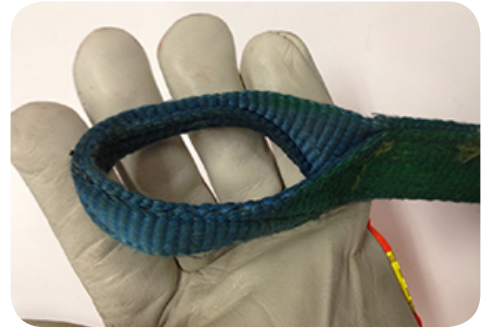


## EDITION 14 - NON-COMPLIANT SINGLE USE SYNTHETIC SLINGS

### » EXAMPLES:



These single use webbing/synthetic slings generally arrive on pre-slung cargo imported into Australia and often end up on site cranes or construction sites.

In most cases single use webbing/synthetic slings do not meet Australian Standards; AS 1353 Flat Synthetic-Webbing Slings or AS 4497 Roundslings-Synthetic Fibre and therefore cannot be used for lifting.

### » HOW TO IDENTIFY A SINGLE USE SYNTHETIC SLING:



- Sling tags often include languages other than English
- Slings have design factors of 5:1, 6:1 or 7:1 - AS 1353 states a design factor minimum of 8:1
- Slings are often coloured outside the Australian Standard colour specifications

***If a single use sling is identified on your site, tag it out of service, notify your manager/supervisor and discard it.***

**For more technical advice or to have your lifting & rigging gear inspected call your local Bullivants branch now on:**








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## EDITION 14 - NON-COMPLIANT SINGLE USE SYNTHETIC SLINGS

### Synthetic Slings: Flat Webbing Sling - AS1353, Roundslings - AS4497

Direct Load	Material Colour							
		Vertical WLL	Choke WLL	Basket WLL	30° WLL	60° WLL	90° WLL	120° WLL
		KG	KG	KG	KG	KG	KG	KG
1000	Violet	1000	800	2000	1900	1700	1400	1000
2000	Green	2000	1600	4000	3800	3400	2800	2000
3000	Yellow	3000	2400	6000	5700	5100	4200	3000
4000	Grey	4000	3200	8000	7600	6800	5600	4000
5000	Red	5000	4000	10000	9500	8500	7000	5000
6000	Brown	6000	4800	12000	11400	10200	8400	6000
8000	Blue	8000	6400	16000	15200	13600	11200	8000
10000	Orange	10000	8000	20000	19000	17000	14000	10000

The colour of the working load limit tag shall identify the type of fibre used for round and flat type synthetic slings as follows:

Nylon - Green  
Polyester - Blue

Polypropylene - Brown  
Aramid Polyimide - Yellow

### » SYNTHETIC SLING INSPECTION:

*Synthetic slings shall be inspected before use for the following:*

- WLL tag is intact, legible and the sling is correct for the application
- External wear on the cover
- Inspect for any cuts to load bearing fibres
- Holes in the cover
- Local abrasion
- Internal wear
- Damage to protective coating or sleeve
- Damage from high temperatures
- UV damage (change in colour/fading to white)
- Chemical attack
- Deterioration of stitching
- Damage to the sling eyes
- Damage and wear to any attachments or end fittings
- Internal thickening of a round sling

Periodic inspections shall be carried out every 3 months as per the relevant Australian Standard.

This document is based on Australian Standards; AS 1353 Flat Synthetic-Webbing Slings or AS 4497 Roundslings-Synthetic Fibre, manufacturer's specifications and Bullivants best practise recommendations.

*This document has been produced as a 'guide only'; Bullivants accepts no responsibility should any product fail in service based on information within this document.*

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