



4WD Product Safety and Information Standard TM

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Just Straps

Extracts from JSF (AUST) 2007
Product Safety And Information
Standard

02/05/07

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Background

- Purpose is to create safety awareness.
- No standards at present to manufacture straps to.
- Currently there is a mixed bag of various different types and colours of 4WD Recovery Straps.
- What product is suited to what purpose.
- Does any one know?

Scope

- To in build a safety margin into the ratings of all Recovery Straps.
- This will be safer than currently rating a strap to its Breaking Strength.
- *This new safety rating will allow for outside parameters which can reduce the life and capacity of the straps. Examples of this are abrasion, dirt, water and sunlight. Ratings of straps are current only when new.*
- The standard term is to read Recovery Load Limit R.L.L. ® (in kilograms).
- Ratings will represent a factor of safety (F of S), also known as Safety Factor. 1.5 : 1 as a minimum.
- This will bring the ratings of the straps in line to a more recognised value (kilograms) in relation to the vehicles weight and the product required for its designed purpose.
- This standard must be read in conjunction with our unique 4X4 Force Calculation document to understand the forces that may be applied to your Four Wheel Drive.
- The most essential factor is to know your vehicle's weight, recovery points and its limitations within its design.

Definitions of Ratings

- **Recovery Load Limit R.L.L.®**
 - The maximum load that may be applied to equipment used in the recovery role.
- **Minimum Breaking Strength MBS**
 - The minimum load necessary to cause equipment to fail or fracture
- **Factor of safety (F of S)**
 - A number divided into the minimum breaking strength to determine the recovery load limit

Polyester Webbing

- Tree Trunk Protectors, Winch Extension Straps, Equalizer Straps & Tow Straps.
- Webbing colours for all Polyester products will clearly identify the distinct range i.e. (ratings) for quick and easy identification.
- **Yellow** is our Standard range (standard)
- **Green** is our Heavy Duty range (serious)
- **Gold** is our Extra Heavy Duty range (superior)
- **Orange** is our Premium range
- Sewn eyes at the end of the strap will contain blue protective sleeving to also identify Polyester material

Nylon Webbing

- Snatch Straps
- Webbing colours for our Snatch Straps will be natural (white) with 4 different category ratings
- Budget, Standard, Heavy Duty (Serious) and Extra Heavy Duty (Superior)
- Our Premium Snatch Strap will be coloured **Orange** which boasts a massive 20% elongation at half its Minimum Breaking Strength (MBS)
- Sewn eyes at the end of the strap will contain green protective sleeving to also identify Nylon material

Identification and Marking

- All products will contain a Safety Label with standard information
- All products will contain in addition an Identification Tag
- BLUE for Polyester webbing
- GREEN for Nylon webbing
- This will easily identify the correct product for its designed use

Serious Stuff

- Do you like 4WDriving?
- Are you serious about safety?
- You deserve the best
- Insist on our product by name
- JUST STRAPS
- Quality Australian Made Straps

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The Pinnacle



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