



# BEYOND the STANDARD

## T.I.P.S OVERVIEW

In September 2007, the update of the Australian Standard for the manufacture and design of harnesses and ancillary equipment was updated.

This new standard pertains to new performance requirements for fall protection equipment used in general industry. The purpose of this memo is to advise our position as the global market leader of fall protection as it relates to the new standard. First, let's review some general facts that will help position our strategy.

An AS/NZS Standard implies a consensus of those substantially concerned with its scope and provisions, and is intended as a guide to aid the manufacturer, the consumer, and the general public.

It is important to remember that the AS/NZS Standards are not the law, but they can be expected to be used as reference in the event of a legal dispute.

AS/NZS Standards are subject to periodic review and users are cautioned to always reference the latest editions.

### Beyond the Standard Campaign

For over 60 years, Miller Fall Protection has grown to be an industry leader by carefully understanding end-user needs and providing the best solutions for fall arrest applications. With active participation in the committees that help to shape the standards, we pride ourselves with fully understanding AS/NZS standards and WorkSafe regulations and how these standards apply to the Australian workforce in General Industry and Construction. The new AS/NZS 1891.1:2007 standard is no exception. There are several changes with this standard that will affect the purchasing decisions of those who voluntarily follow AS/NZS 1891 in their working environment.

AS/NZS 1891 is the National Standard for Australia and New Zealand for "Industrial fall-arrest systems and devices"

The Standard is currently divided into 4 parts:

**1891.1 Part 1:** Harnesses and ancillary equipment

**1891.2 Part 2:** Horizontal lifeline and rail systems

**1891.2 Supplement 1: Horizontal lifeline and rail systems** - Prescribed configurations for horizontal lifelines

**1891.3 Part 3:** Fall-arrest devices

**1891.4 Part 4:** Selection, use and maintenance (currently under review)

The purpose of this Standard was to address the variety of equipment being developed in the rapidly growing field of Fall Protection.

The changes that this document addresses are in Part 1 (the how to manufacture and test equipment Standard) and from this there has been a flow on effect requiring changes to Part 4, (which covers how to use the equipment).



As technology and the industrial knowledge changes, there is a need to up date standards to make sure that our workers have the safest possible equipment and procedures.

In 1995 AS/NZS 1891-1 introduced two major changes: Energy Absorbers and Double Acting hooks.

The revision of this standard that took place in 2006 and 2007 has introduced a number of major changes to fall protection equipment, making them safer and easier to use.

These changes include a new testing procedure for double lanyards. These tests are based around the lanyard surviving misuse in the field. There has also been a requirement to increase in the strength requirements of hook latches which has not affected the Miller lanyards currently in service.

### **The Miller Position**

After studying the standard, Miller has decided to take a position more closely aligned with the needs of the various markets we serve.

The most significant changes with the new AS/NZS 1891.1:2007 standard relate to full body harnesses. The changes require all harnesses to have a frontal fall arrest connection point. There is no longer a testing program for 'Restraint' connections, side dees must only be designated for 'Work Positioning', and the markings and instructions requirements have been changed.

These changes have lead Miller to redesign the harness range, offering workers a complete line of products to meet any industry application. The range of harnesses available is second to none and perfect for professionals who seek products ranging from a basic polyester harness to the feature packed Revolution harness range.

All of the new generation of Miller harnesses, and some of the old favorites, exceed the requirements of AS/NZS 1891-1 2007. They also have a number of extra features that make them just that little easier to use.

- All of the new Miller harnesses use the Miller information pack to protect the labeling and information sheets
- Each new Miller harness is supplied with a 'pull away' lanyard parking point
- Most models come standard with Confined Space lifting points and extension dorsal connection point.

Other changes to the standard affect products such as belts, lower body harnesses and sit harnesses. The use of belts in for any Fall Protection purpose has been removed from the standard. This will affect Miners and Restraint Belts. Linesman's belts have been defined as "lower body harnesses", thus will have to be replaced with new models that include leg straps & a Frontal Fall Attachment Point. In practice, all of the line workers in Australian and New Zealand use full body harnesses that are designed to be used for comfortable work positioning with a Pole Strap. Lower body harnesses may be used for "limited free fall" up to 600mm. Sit harnesses are defined as being a sub division of Lower Body Harnesses. These may be removed from later editions of the standard, with AS/NZS 1891.4 will be updated to reflect this change.

### **Expert Resources**

With a large market share in the Construction and General Industry market segments, Miller has decided to make our expert resources available to customers in order to clear up any confusion that may come about from the changes to the AS/NZS 1891.1:2007 standard. We also plan to offer details on a network of trainers to end-users from across the country that can provide up-to-date, either on site or at their facility. In most cases this training can be 'customized' to cover their particular height safety problems.



## Which Miller Products will comply with the new standard?

- The harness approved to AS/NZS 1891.1:2007 are available NOW as A category stock items. The transition of product approved to the 1995 standard has commenced through distributor stocks. A quick cross reference is below.

### REVOLUTION HARNESSSES

		Available?	Referral
M1020030	Revolution Duraflex Single Dee Medium	Discontinued	M1020054
M1020031	Revolution Duraflex Single Dee Large/XL	Discontinued	M1020055
M1020032	Revolution Duraflex Single Dee XXL/XXXL	Discontinued	M1020055
M1020033	Revolution Duraflex Side-D's Pad QC legs, Medium	Discontinued	M1020056
M1020034	Revolution Duraflex Side-D's Pad QC legs, Large/XL	Discontinued	M1020056
M1020035	Revolution Duraflex Side-D's Pad QC legs, XXL/XXXL	Discontinued	M1020056
M1020024	Revolution DualTechSingle Dee Medium	Discontinued	M1020054
M1020025	Revolution DualTech Single Dee Large/XL	Discontinued	M1020055
M1020026	Revolution DualTech Single Dee XXL/XXXL	Discontinued	M1020055
M1020027	Revolution DualTech Side-D's Pad QC legs, Medium	Discontinued	M1020056
M1020028	Revolution DualTech Side-D's Pad QC legs, Large/XL	Discontinued	M1020056
M1020029	Revolution DualTech Side-D's Pad QC legs, XXL/XXXL	Discontinued	M1020056
M1020056	Revolution Tower Harness	NEW	
M1020053	Revolution Two Point Harness, Small	NEW	
M1020054	Revolution Two Point Harness, Medium	NEW	
M1020055	Revolution Two Point Harness, Large	NEW	

### DURAFLEX HARNESSSES

481D	Duraflex Harness rear dee Medium	Discontinued	M1020073
481D CSD	Duraflex Harness rear dee & c/s Medium	Discontinued	M1020073
480D	Duraflex Harness rear & side dee Medium	Discontinued	M1020068
480D CSD	Duraflex Harness rear, side dee & c/s Medium	Discontinued	M1020068
BODYGUARD D	Duraflex Harness fall arrest & rescue Medium	Discontinued	M1020073
STRETCH GUARD	Hybrid Harness two point Medium	No Change	
483D	Duraflex Harness confined space Medium	Discontinued	M1020073
M1020004D	Duraflex Harness with rear dee, frontal and c/s Medium	No Change	
M1020008	Glove & Barrier type 3 with rear rescue & c/s Medium	No Change	
M1020068	Duraflex Harness front & rear f/a, c/s, ext.dorsal, w/p Medium	NEW	
M1020073	Duraflex Harness front & rear f/a, c/s, ext.dorsal Medium	NEW	

### POLYESTER WEBBING HARNESSSES

481.1	Polyester Harness rear dee Medium	Discontinued	M1020063
481.1CSD	Polyester Harness rear dee & c/s Medium	Discontinued	M1020065
480.1	Polyester Harness rear & side dee Medium	Discontinued	M1020067
BODYGUARD.1	Polyester Harness fall arrest & rescue Medium	Discontinued	M1020065
483.1	Polyester Harness confined space Medium	Discontinued	M1020065
484.1	Polyester Harness w rear & frontal dee ring Medium	Discontinued	M1020002
467.1	Polyester Harness w rear dee ring & side dee rings Medium	Discontinued	M1020067
M1020004	Polyester Harness w rear dee, frontal and c/s Medium	No change	
AMAX.1	Polyester Harness w pad leg, frontal & rear f/a and side dees.	No change	
ELITE.1	Polyester Harness w pad back frontal & rear f/a and side dees.	Discontinued	ELITE.2
TOWER WORKER	Polyester Harness w front & rear f/a, side & c/s dees.	No change	
M1020065	Polyester Harness w front & rear f/at, c/s, ext. dorsal	NEW	
M1020063	Polyester Harness front & rear f/a, c/s Medium	NEW	
M1020067	Polyester Harness w front & rear f/a, c/s, ext. dorsal, w/p	NEW	
ELITE.2	Polyester Harness w front & rear f/at, ext. dorsal, w/p	NEW	



**Cross Reference Chart Cont.**

**FLAME RETARDENT WEBBING HARNESSSES**

		Available?	Referral
KMAX	KMAX Harness w rear f/a dee Medium	Discontinued	M1020066
KMAX CSD	KMAX Harness w rear f/a & c/s dees Medium	Discontinued	M1020066
M1020066	KMAX Harness w front & rear f/a Medium	NEW	

**KITS & PACKS**

481D-SS	Duraflex pack 481D, Stretchstop lanyard & Webbing tie off	Discontinued	
M1070007	Roofworker Kit - Stretchguard, a/line with type 1, tie off & bag	No Change	

**CONTRACTOR VALUE RANGE**

M1020001	Harness f/a rear dee Medium	Discontinued	M1020063
M1020002	Harness w front & rear f/a Medium	No Change	
M1020064	Harness f/a w integrated 2mtr lanyard	NEW	
M1070004	Roofworker Kit - M1020002, a/line with type 1, tie off & bag	No Change	

- Belts have been discontinued, and miners belts can now only be used to carry batteries and self rescue devices. They must not be used for restraint, work positioning or fall arrest applications. The old miners belt part numbers have changed, and new miners harnesses have been added - all products are available NOW.

**Miners Belts & Harnesses, Restraint & Linesmans belts**

		Referral
PROSPECTOR	Miners belt with rear dee, batt & s/r straps	M1020087
PROSPECTORL	As above - Large size	M1020088
PROSPECTORS	As above - Small size	M1020086
EXPLORER	Miners belt with shoulder straps, rear dee, batt & s/r straps.	M1020090
EXPLORERS	As above - Small size	M1020089
EXPLORERL	As above - Large size	M1020091
M1020079	Full Body Miner's Harness w Proespector belt (small), no restraint dee	NEW
M1020080	Full Body Miner's Harness w Proespector belt (medium), no restraint dee	NEW
M1020081	Full Body Miner's Harness w Proespector belt (large), no restraint dee	NEW
M1020082	Full Body Miner's Harness w Explorer belt (small), reflective straps, no restraint dee	NEW
M1020083	Full Body Miner's Harness w Explorer belt (medium), reflective straps, no restraint dee	NEW
M1020084	Full Body Miner's Harness w Explorer belt (large), reflective straps, no restraint dee	NEW
243.1	Restraint belt with 100mm padded back & side dee rings.	M1020067
206.1BRS	Restraint belt with rear dee ring, battery & self rescue straps.	M1020081
3446.1	Linesmens Belt	ELITE.2
3448.1	Linesmens Belt	ELITE.2
3449.1	Linesmens Belt	ELITE.2



**Cross Reference Chart Cont.**

- The testing of energy absorbing lanyards has only affected our double Manyard Lanyards. All of the original energy absorbing lanyards are A category stock lines.

<i>MANYARD LANYARDS</i>		Available?	Referral
M1010026	2mtr double manyard with 19mm hooks on all legs	Discontinued	LD11WEC2.0
M1010025	2mtr double manyard with 55mm hooks on 2 legs & 19mm hook on other	Discontinued	LD18SEC2.0

- In addition to these changes, Miller continues to offer its full range of fall protection products including anchorage lines and devices, fall arrestors, rescue devices, confined space systems, descent devices and engineered systems.

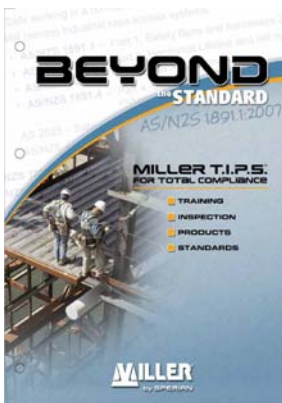
**Miller T.I.P.S.™ for Total Compliance** addresses the important considerations to assure a safe environment when working at heights.

Globally, Miller Fall Protection is committed to providing value-added fall protection products and services to those specifying, selecting and using our equipment. While safety at heights is our ultimate goal, enhancing worker comfort, trust and increased productivity are also qualities that products bearing the Miller name have strived to maximize for over 60 years.

The Miller® brand name is more than a line of quality products. The name represents greater value-added services and expertise that only the leader in fall protection can provide.

**TIPS Literature**

Look out for these TIPS information guides:



BRO32



BRO33