

# DROPS forum

ManSafe® SRLs

April 2012

All around the world, people work safely at height thanks to Latchways' fall protection systems. With over 35 years of experience at the cutting edge of fall protection they set the standard for innovation, performance and quality. Latchways are trusted to ensure worker safety on a wide range of buildings and structures, as well as throughout various industries, such as aerospace, energy, utilities and telecommunications sectors.



## ManSafe SRL

The ManSafe SRLs offer a dependable means of fall protection and have been specifically designed for use in harsh environments, such as on oil rigs, enabling an unhindered hands-free fall protection solution. Utilising modern engineering and innovative design, they are the most advanced, reliable and cost-effective SRLs available on the market today. The ManSafe SRLs have undergone extensive, independently verified testing to ensure consistent, reliable performance.

## Secondary Retention Point

Wherever possible, equipment installed at height shall have integrated secondary retention. The ManSafe SRL range has been designed to incorporate a secondary retention point as a 'back up' connection in the form of a wire to prevent the unit from falling - ensuring best securing practice in an oil & gas environment. The Secondary tether lines are manufactured from stainless steel wire and the respective eyelets are locked with double press copper locks.

### 100% Full Contact™ locking mechanism

The Full Contact pawl locking mechanism provides a 100% reliable locking mechanism that won't freeze, hang-up or corrode.



### Completely field serviceable

Should a fall occur, the modular design allows for individual components to be removed and replaced in the field within minutes.

A minimum number of replacement component parts further emphasises the simplified serviceability, these include:

- Cable assembly
- Anchor point
- Energy absorber
- Labels



### Constant Force® frictionless braking mechanism

The ManSafe SRLs employ patented, frictionless braking technology known as Constant Force. This braking mechanism has no moving parts and will not go out of adjustment or require recalibration for the lifespan of the product.



### ATEX rated

Tested to BS EN 13463-1:2001 equipment group II, category 2 (Ex II 2 G c IIC T6) for use in areas in which explosive atmospheres caused by mixtures of air and gases, vapours or mists or by air/dusts mixtures are likely to occur.



## Additional testing for ManSafe Sealed SRLs

### Ingress Protection (IP)



Verified Sealed Status— Achieved Ingress Protection (IP)69K, ensuring internal components are held in a dust and water tight casing that is capable of withstanding high pressure, high temperature wash down operations. Testing involves submersion to a 5 m depth, for ingress and additional testing in a dust 'suspension' for 8 hours to ensure no material ingress into critical components.

### Suitable for use in high vibration environments



Testing to simulate an extreme high vibration mechanical environment, to expected levels considerably higher than the unit will be subjected to in use. Samples were tested through a frequency range of 5 Hz to 1000 Hz for prolonged periods, to check integrity and stability of critical fasteners.

### Accelerated corrosion testing



Accelerated corrosion testing that simulates real life corrosion in a controlled environment for 2000 hours. This is a recognised representative period of 10 years 'real life' use of the ManSafe Sealed SRL.

The corrosion resistance testing was independently undertaken by SATRA Technology.

## ManSafe Sealed SRL Specifications

Model	Line Type	Length (m/ft)	Size H x W x D (mm)	Weight (kg)	Anchorage
62810-00	Ø 5 mm (S/S) Cable (7 x 19)	9 m (30 ft)	270 x 240 x 180	9.5	Forged/Stainless Steel Saphook
62816-00	Ø 5 mm (S/S) Cable (7 x 19)	15 m (50 ft)	330 x 280 x 190	12	Forged/Stainless Steel Saphook
62826-00	Ø 5 mm (S/S) Cable (7 x 19)	25 m (85 ft)	330 x 330 x 200	20	Forged/Stainless Steel Saphook
62841-00	Ø 5 mm (S/S) Cable (7 x 19)	40 m (130 ft)	380 x 380 x 215	26	Forged/Stainless Steel Saphook
62811-00	Secondary Tether Assembly / Ø 5 mm (S/S) Cable (7 x 19)	1.2 m (4 ft)			Double Locking Aluminium Captive Karabiner & S/S D-Ring Shackle

## ManSafe SRL Specifications

Model	Line Type	Length (m/ft)	Size L x W x D (mm)	Weight (kg)	Anchorage
62207-00	Ø 5 mm (S/S) Cable (7 x 19)	7 m (23 ft)	330 x 170 x 122	4.9	Swivel Double Locking Snap Hook
62407-00	Ø 5 mm (G/S) Cable (7 x 19)	7 m (23 ft)	330 x 170 x 122	4.9	Swivel Double Locking Snap Hook
62210-00	Ø 5 mm (S/S) Cable (7 x 19)	10 m (33 ft)	357 x 185 x 125	5.6	Swivel Double Locking Snap Hook
62410-00	Ø 5 mm (G/S) Cable (7 x 19)	10 m (33 ft)	357 x 185 x 125	5.6	Swivel Double Locking Snap Hook
62215-00	Ø 5 mm (S/S) Cable (7 x 19)	15 m (50 ft)	396 x 215 x 130	7.4	Swivel Double Locking Snap Hook
62410-00	Ø 5 mm (G/S) Cable (7 x 19)	15 m (50 ft)	396 x 215 x 130	7.4	Swivel Double Locking Snap Hook
62216-00	Secondary Tether Assembly / Ø 5 mm (S/S) Cable (7 x 19)	1.2 m (4 ft)			Double Locking Aluminium Captive Karabiner

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