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| DOC. NO. | 01.01 | REVISION | 03         |
| ISSUE    | 01    | DATE     | 01-11-2020 |

**PRODUCT : Self - Retracting lifeline (RETRACTABLE BLOCK)**

**REF. NO. : IS-RFA-2x2W**

**CONFORMING TO EN 360:2002**

|   |                                                |                                        |                                                                                                                                                                                                                                      |
|---|------------------------------------------------|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | PHYSICAL PARAMETERS                            | GENERAL                                | Robust, light weight and Durable Polymer, casing made from high impact strength Nylon. Having twin SRL connector it reduce the length of swing during the Fall there by preventing the impact of SRL on the back of the user's head. |
|   |                                                | FEATURES                               | Good quality, corrosion resistance components. Quick-activating braking mechanism stop the fall. No annual factory re-certification required.                                                                                        |
| 2 | DIMENSIONS OF THE BLOCK                        |                                        | Width (85mm) X Height (670mm) X Thickness (51mm)                                                                                                                                                                                     |
| 3 | MECHANICAL CHARACTERISTICS OF BLOCK            | Breaking Strength                      | > 15 KN                                                                                                                                                                                                                              |
|   |                                                | Breaking Force                         | Less than 6 KN                                                                                                                                                                                                                       |
|   |                                                | Arrest Distance                        | < 2 Mtr                                                                                                                                                                                                                              |
|   |                                                | Weight                                 | 2.770 Kg.                                                                                                                                                                                                                            |
|   |                                                | Temp. Range                            | -30°C to + 50°C                                                                                                                                                                                                                      |
|   |                                                | Housing                                | High-Impact Nylon                                                                                                                                                                                                                    |
|   |                                                | Hub                                    | Stainless Steel                                                                                                                                                                                                                      |
|   |                                                | Arrest Mechanism                       | Stainless Steel Brake with Ratchet                                                                                                                                                                                                   |
| 4 | END CONNECTOR SF-1301                          | Weight                                 | 473 gm.                                                                                                                                                                                                                              |
|   |                                                | Breaking Load                          | 23 kN                                                                                                                                                                                                                                |
|   |                                                | Opening                                | 50.8 mm                                                                                                                                                                                                                              |
|   |                                                | Material                               | Alloy Steel                                                                                                                                                                                                                          |
|   |                                                | Conforming to                          | EN 362                                                                                                                                                                                                                               |
| 5 | TOP END SWIVEL ANCHORAGE EYE HOOK SF-RFA-02-12 | Weight                                 | 25.00 gm                                                                                                                                                                                                                             |
|   |                                                | Breaking Load                          | 23 KN                                                                                                                                                                                                                                |
|   |                                                | Hole Diameter                          | 16 mm                                                                                                                                                                                                                                |
|   |                                                | Material                               | Alloy Steel                                                                                                                                                                                                                          |
| 6 | RETRACTABLE LANYARD (WEBBING)                  | Material                               | UHMPE                                                                                                                                                                                                                                |
|   |                                                | Width                                  | 20 mm                                                                                                                                                                                                                                |
|   |                                                | Breaking Strength                      | Greater than 15 KN                                                                                                                                                                                                                   |
|   |                                                | Maximum Length                         | 2 Mtr                                                                                                                                                                                                                                |
| 7 | ENERGY ABSORBER                                | Raw Material                           | Nylon                                                                                                                                                                                                                                |
|   |                                                | Conforming to                          | EN 355                                                                                                                                                                                                                               |
|   |                                                | Breaking Strength for unlinked webbing | > 20 KN                                                                                                                                                                                                                              |
|   |                                                | Breaking Strength for linked webbing   | > 35 KN                                                                                                                                                                                                                              |



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## VITAL TEST COMPLIANCE

| EN 360:2002 TEST                        | APPARATUS IN USE                                                                                                                                                                           | TESTING COMPLIANCE                                                                                                                                                                              |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Clause 4.3 (Locking after conditioning) | A Conditioning Apparatus; a rigid mass of 35 Kgs.                                                                                                                                          | When tested according to this clause, the Fall Arrestor locks before the mass touches the ground and remains locked until released.                                                             |
| Clause 4.4 (Static Strength)            | Force measuring Tensile Testing Machine.                                                                                                                                                   | When subjected to a static force of 15 kN for 3 Min., the assembly of the block and the lanyard shows no sign of any damage or fracture.                                                        |
| Clause 4.5 (Dynamic Performance)        | A rigid anchorage structure; Force measuring apparatus, with Peak-Force recorder; Rigid steel mass of 100 kgs, of nominal diameter 200mm, and an eyebolt attached; A Quick release device. | When subjected to a fall with a rigid mass of 100 Kg., the breaking force is less than 6 kN, and the arrest distance is less than 2 m.                                                          |
| Clause 4.7 (Corrosion Resistance)       | A Corrosion Test Apparatus                                                                                                                                                                 | When subjected to a neutral salt spray for 24 hours, there is no evidence of corrosion on any of the exposed, as well as the internal metal parts, which can affect the function of the device. |

