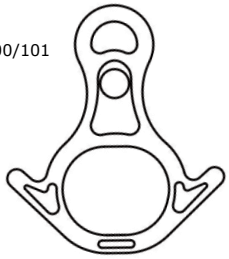
ISC
Solutions in Metal

# RP1xx Figure 8/9 Descender

User Instruction Manual

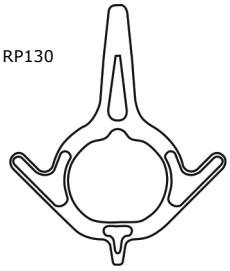
RP100/101



RP110

RP120

RP130

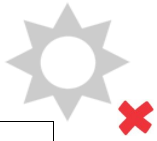


## Cleaning



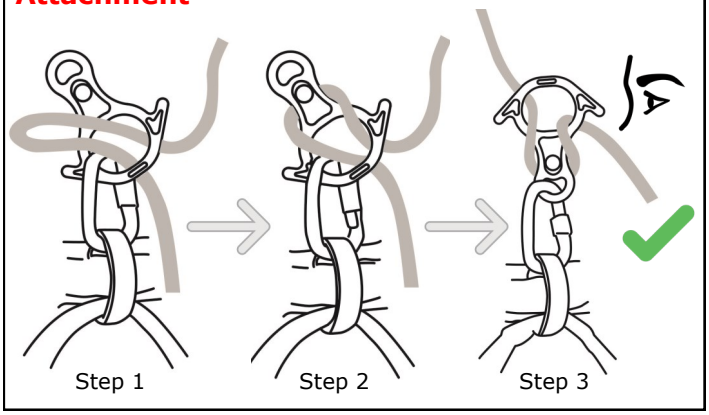
Max 40°C

Dry naturally

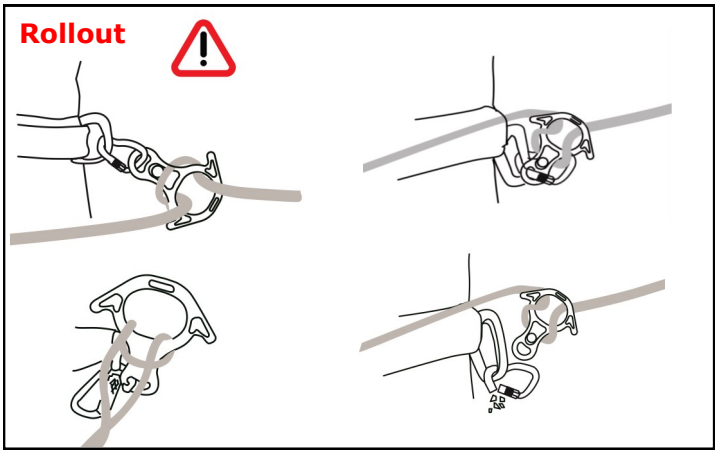


| Part Code | RP100/101 | RP110 | RP120 | RP130 |
|---|---|---|---|---|
| Rope: EN1891/EN892 | 8≤Ø≤13mm | 8≤Ø≤13mm | 5≤Ø≤7mm | 8≤Ø≤13mm |
| MBS | 35kN / 80kN | 25kN | 25kN | 30kN |
| Serial Number: YYBBBBBBXXXX | **YY** = Year of manufacture **BBBBBB** = Production Batch **XXXX** = Individual Serial Number | | | |

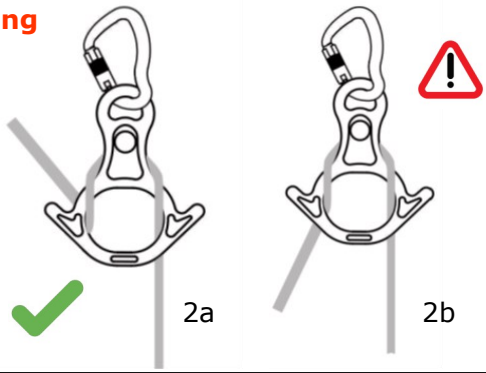
## Attachment

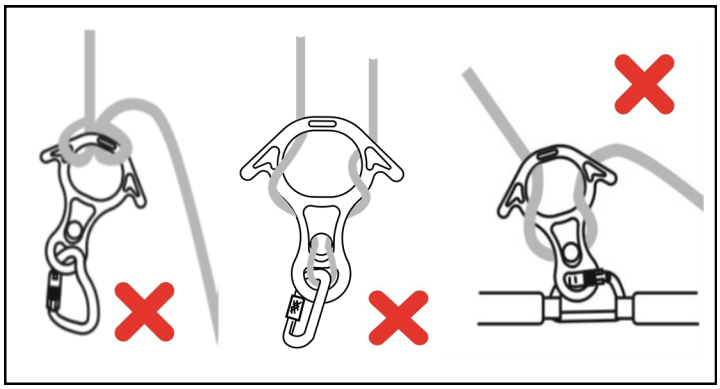



## Rollout



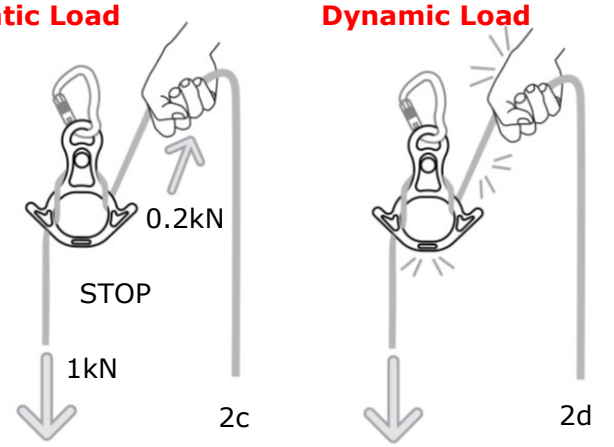
## Belaying



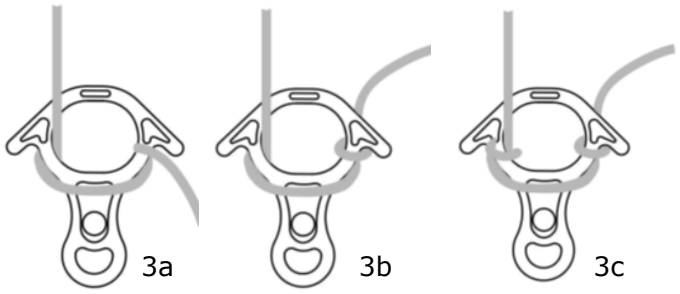



## Static Load

## Dynamic Load




## Additional Friction



**General**
ISC equipment & components for the prevention of falls from height meets or exceeds the recognised European, American or other International standards. A user instruction manual should accompany this product. It is the user's responsibility to read and understand these instructions before use.

**WARNING**

Activities involving the use of this equipment are inherently dangerous- this equipment should only be used by a competent person or a person specifically trained in its use who is under the direct supervision of a competent person.

**Responsibility**
It is the user's responsibility to ensure understanding of the correct safe use of this equipment, to use it only for the purposes for which it is designed, and to practise all proper safety procedures. It is mandatory that a Risk Assessment be carried out prior to any use and a rescue plan be in place for any work at height.

Do not exceed loads either specified by the manufacturer or loads derived from the specified MBS using a recognised factor of safety. Do not under any circumstances modify the product as alterations may render it ineffective.

**Compatibility**
Always ensure that all components within a safety system are compatible and allow the system to function safely.

**Use Inspection**
Immediately before, during and after use make thorough visual inspections of the product to ensure that it is in a serviceable condition and is operating correctly.

**Use Requirements**
It is recommended that the viability of any installation should be verified by a suitably qualified person. Extreme care should be taken when using this product near harmful chemicals, moving machinery, electrical hazards and near sharp edges and abrasive surfaces. Wet and icy conditions may cause the rope to become slippery.

**Modifications & Repair**
There are no serviceable parts on this device.

**Product Inspection & Maintenance**
In addition to the visual inspections (see Inspection) a thorough examination should be carried out by a competent person in line with the applicable legislation and the intensity and environment of use. ISC recommends a thorough examination at least every twelve months. The product should be immediately withdrawn from use and not used again until confirmed in writing by a competent person that it is safe to do so, should any doubt arise about its condition for safe use or, if it has been used to arrest a fall.

**Use**
Before each use, verify the correct installation of the rope. Ensure the movement can be controlled and is smooth. Ensure the device is attached directly to your load bearing harness attachment point using a locking karabiner.

**Fig 1 Attachment**
Thread a loop of rope through the large hole of the device, over the top of the connection hole. Attach a EN362:2004 connector between device and harness.

**Fig 2. Belaying**
When belaying running the rope in the direction shown in Fig 2a will give more effective braking. Fig 2b will give limited braking.

**Fig 2d Dynamic Load** Maximum shock load 2—3kN, with a risk of substantial rope slip. This could lead to burning of hands and releasing of the rope when subjected to a heavy fall.

**Fig 3. Additional Braking**
Additional wraps of rope can be introduced to increase the friction and aid the control of a lowering operation.

All rope adjustment devices create heat when travelling along rope at speed, which can cause damage to the rope. Always check the rope for damage as well as the device.

**Rollout**
Protect against rollout by ensuring that you choose a suitable connector.

**Storage & Transportation**
The product should be stored in a clean, dry environment avoiding exposure to UV, corrosive or chemical substances or extreme heat sources.
Care should be taken to protect the product against damage during transportation.

**Lifespan**
Extreme temperatures and the effects of chemicals, rust, cuts and abrasions could affect the performance and lifespan of the equipment, to as little as a single use. The potential lifetime of ISC products is up to 10 years for plastic or textile products, and indefinite for metal products. The actual lifetime of a product depends on a variety of factors including the intensity of use, the frequency of use, the environment in which it has been used, the competency of the user, and how well it has been maintained and stored etc. Defective equipment shall be put beyond use to ensure it is not used as safety equipment.

**Cleaning**
The product must be cleaned regularly (or after every use in a marine environment) with a mild detergent. Afterwards the product should be rinsed in clean water and allowed to dry naturally.

**Manufacturer's Responsibility**
ISC Ltd. or distributor will not be held responsible for any eventual damages, injuries or death resulting from an improper use of this equipment. If there is any doubt about the compatibility of the products you have chosen please consult the manufacturer.

**THIS DOCUMENTATION SHOULD BE ISSUED WITH AND KEPT FOR EACH ITEM OR SYSTEM** | DIESE UNTERLAGEN SOLLTEN MIT HERAUSGEGEBEN WERDEN | UND FÜR JEDES EINZELTEIL ODER SYSTEM GEHALTEN WERDEN | **ESTA DOCUMENTACIÓN SE DEBE PUBLICAR CON Y GUARDAR PARA CADA ARTÍCULO O SISTEMA.** | DEZE DOCUMENTATIE ZOU MET MOETEN UITGEBRACHT WORDEN EN ZOU VOOR ELK ONDERDEEL OF SYSTEEM - MOETEN BIJGEHOUDEN WORDEN. | **CETTE DOCUMENTATION DOIT ÊTRE DÉLIVRÉE AVEC CHAQUE ÉLÉMENT OU SYSTÈME ET CONSERVÉE AVEC CELUI-CI.** | QUESTA DOCUMENTAZIONE DEVE ESSERE EMESSA E CONSERVATA PER OGNI COMPONENTE O

| **PERIODIC THROUGH EXAMINATION AND REPAIR RECORD** | | | |
|---|---|---|---|
| **Date**<br>Datum<br>**Fecha**<br>De datum<br>**Date / Data** | **Inspection details**<br>Detailinformationen zu Prüfungen<br>**Detalles de inspección**<br>Inspectiedetails<br>**Détails de l'inspection**<br>Dettagli ispezione | **Name and signature**<br>Nennen Sie und Unterschrift<br>**Denomine y la firma**<br>Noem en handtekening<br>**Nom et signature / Nome e firma** | **Next examination**<br>Nächste Untersuchung<br>**Próximo examen**<br>Het volgende onderzoek<br>**Examen suivant / Prossimo esame** |
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