



GIANT AND DRUID DESCENDERS

Information on the innovative cam's anti-wear plating

CAMP Safety Giant, Druid and Druid Pro descenders feature a unique and innovative plating that is made to protect cams from wear-and-tear.

This new type of plating is not common on other types of descenders on the market and, for this reason, this document aims to transfer specific knowledge to all users.

The cam's plating delivers the following advantages:

- **Constant performances of the descender during the entire service life.**
 - The new plating avoids reduction of section of the cam.
 - No variation of controllability of the descent.
 - No accidental sliding of the rope during stand-by suspension.
- **Increased resistance to wear-and-tear.**
 - Hardness of the new plating is much higher, compared to any kind of uncoated steel and delivers higher resistance to abrasion caused by rope friction and dirt.
 - Laboratory testing and feedback about prolonged intensive use by our testers highlighted a similar or higher wear-and tear durability than other descenders, with the additional advantage of constant performance.
 - So far, users' feedback reported a service life superior than 30.000-40.000 m of descent in normal environments; reduced to approximately 10.000-15.000 m of descent in harsh environments (i.e. window cleaning, rock scaling) by heavy users. However, wear-and-tear resistance is highly connected to the type of work, weight of the user and environment.
 - Above durability is likely to be further increased in future productions thanks to the constant research and improvement carried out by our R&D team, that aims to further increase the coating performances.

It's important for users and competent persons to get additional knowledge about the cam's coating features, in order to perform correct routine checks before and after each use, as well as periodic inspection every 12 months.

With regards to cam's coating, below information is provided in addition to basic instructions reported in the user's manual supplied with the products.

The cam's plating should be inspected considering the following information:

- **The descender should be retired from service when the plating is damaged.**
 - Damaged coating is the indicator of the end of the service life after intensive prolonged use of the descender.

- **Use of the descender with damaged coating is still safe but discouraged.**
 - Damaged coating makes the cam's surface more abrasive and creates more friction on the rope.
 - Prolonged use after the first sign of plating wear causes reduction of section of the cam and less controllability of the device.
 - Use of the descender with damaged coating produces faster wear-and-tear of the rope's sheath.

Specific information about the Giant descender:

- Coating is made on the movable cam.
- Two main wear-and-tear points are highlighted in the following photos.



- When, after intensive prolonged use, coating disappears on one or both above shown points, the service life is finished and the descender should be retired.
- Read [user's manual](#) and "[Inspecting PPE](#)" book for complete information about the inspection of all other components of the device.

Specific information about the Druid / Druid Pro descenders:

- Coating is made on the movable cam and on the fixed cam.
- Two main wear-and-tear points are highlighted in the following photos.



- When, after intensive prolonged use, coating disappears on one or both above shown points, the service life is finished and the descender should be retired.
- Read [user's manual](#) and "[Inspecting PPE](#)" book for complete information about the inspection of all other components of the device.

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