

SMC Permanent Marking Instructions



It is only acceptable to use a hand held electric type or laser engraver to place identifying marks on hardware. **Do not strike with a hammer and stamps.**

When using a hand held electric type engraver we recommend the following settings:

- Steel and stainless products use a medium setting with medium to heavy pressure.
- Aluminum products use a low setting with light to medium pressure.

The depth of engraving should only be equal to the thickness of a piece of paper, and should be enough to last the life of the product. If the product already has identification markings from original production these markings may be used as a depth guide.

Engravings should never cover original production markings relevant to the strength, rating, use, or production of the product. Avoid marking over details that would be useful during operation of the product (rope size, kN loads, etc).

Carabiners:

It is recommended to mark along the spine or flat non-loading areas of the frame. Stay away from rope/load bearing areas. DO NOT mark on or near the gate, or the lock/pivot tabs of the frame.

Pulleys:

It is recommended to mark on the flat outside surface around the axle. DO NOT mark on or near attachment points or other rope/load bearing areas.

Other Hardware:

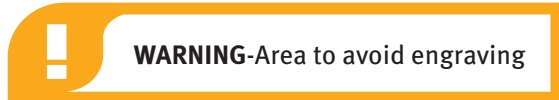
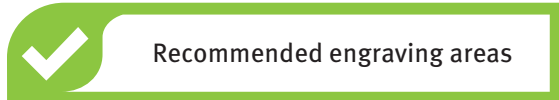
Use the same guidelines and DO NOT mark on or near attachment points or other rope/load bearing surfaces and surrounding areas.

Coatings:

Most Aluminum parts are anodized. Some slight cosmetic oxidation may occur over time.

Alloy steel products are zinc plated. Engraving these products will remove the zinc plating in the local area. The advantage of zinc is that it will move over and protect the exposed base material (self-sacrificing). This however will eventually lead to the zinc in the area being consumed and rust beginning to form. To help prevent corrosion, periodically wipe down plated products with LPS or its equivalent.

Inspect the product for proper fit and function prior to returning to service. Any issues, questions, or concerns please contact SMC at customerservice@smcgear.com before product use.



Mark on the carabiner spine or flat areas, avoiding the gate and load bearing areas.



Mark on flat areas, avoiding production markings and load bearing areas.

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SMC-Seattle Manufacturing Corporation
6930 Salashan Parkway, Ferndale, Washington 98248
360-366-5723 | www.smcgear.com