

# Technical Bulletin

MISC010, Rev. A

## ***Subject: Forced Rollout and Compatibility of Fall Protection Equipment***

**(This bulletin only applies to ANSI Z359.1-2007 compliant Snap hooks and Carabiners)**

Capital Safety has reviewed the 2007 changes to the ANSI Z359 standard related to rollout and the strength of snap hook and carabiner gates. Capital Safety interprets the change to mean that, for most connections, industry concerns about compatibility between mating connectors due to the relative size or shape of the connectors has been reduced or eliminated. In other words, there is no longer any restriction on the size or shape of the mating connector **provided the snap hook or carabiner is free to align with the applied load as intended.**

Connection of rebar type (large gate opening) hooks to standard sized D-rings is allowed. "Compatibility risk" as shown below must be followed.

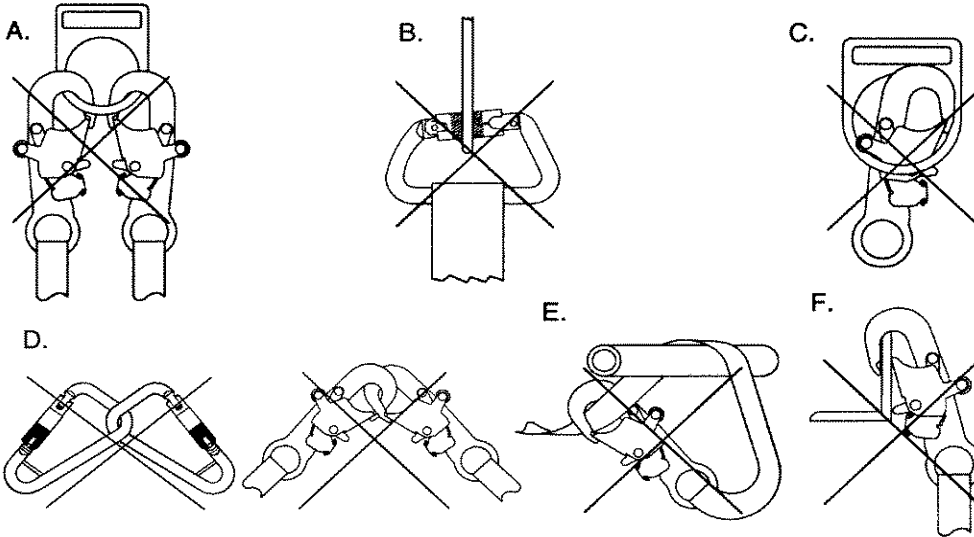
Some connection risks still remain mostly due to interference with the intended operation of the connector's gate or gate lock. Some known higher risk connections are listed below and should be avoided even when using the new ANSI hooks:

Compatibility risks for all "hooks" (snap hooks and carabiners):

- Attaching more than one hook into a single connecting element is not recommended.
- Connecting combinations of hooks together is not recommended. This includes connecting two hooks together or one hook and one carabiner.
- Making connections where the hook lock can easily come into contact with another piece of equipment or structural member and potentially release the hook lock.

Other remaining restrictions:

- The snap hook or carabiner must be free to align with the applied load as intended (regardless of the size or shape of the mating connector).
- The hook gate must fully close and lock.
- Connections may be made into a single or pair of "soft loops" on body supports provided the carabiner can fully close and lock (not recommended for snap hooks).
- Cross-gate loading should be avoided.
- Not to be used for "tie-back" unless specifically marked to allow this use.
- Connecting a snap hook into a wire rope loop or otherwise slack wire rope is not recommended.
- Connecting into a connector (loop or ring) already occupied by a "choker" connection is allowable for carabiners but is not recommended for snap hooks.



Note: Please review Technical Bulletin MISC004 – Compatibility of Fall Protection Equipment for additional information.