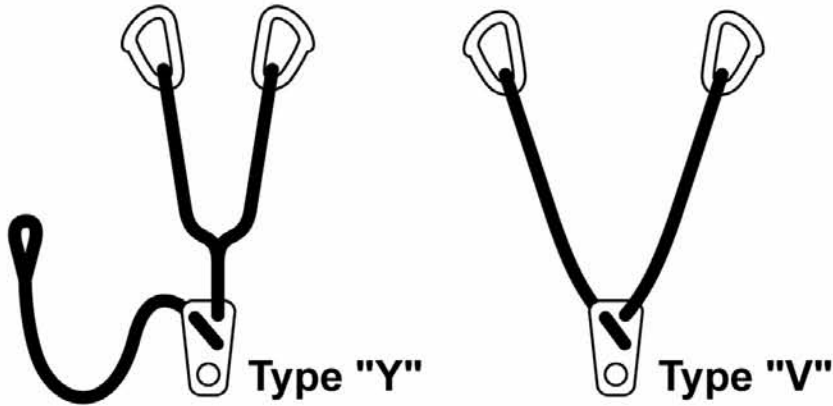


EN-958

ENERGY ABSORBING SYSTEMS
for "vie ferrate"

UIAA-128

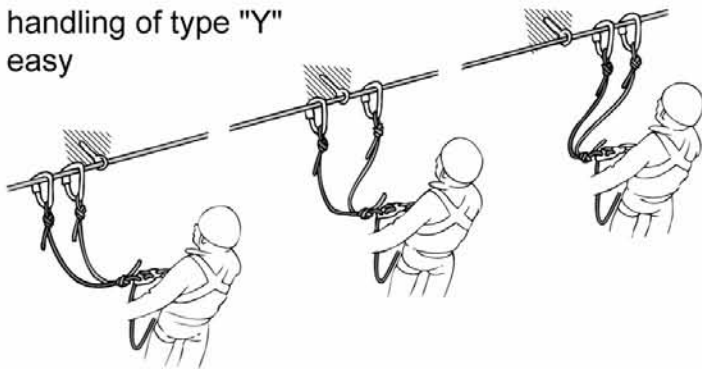
This representation of EN 958 and UIAA 128 does not contain the full details of the test methods and requirements in these standards; it gives only a simplified pictorial presentation. For full details, EN 958 and UIAA 128 should be consulted. © Copyright. This material may not be copied for commercial use.



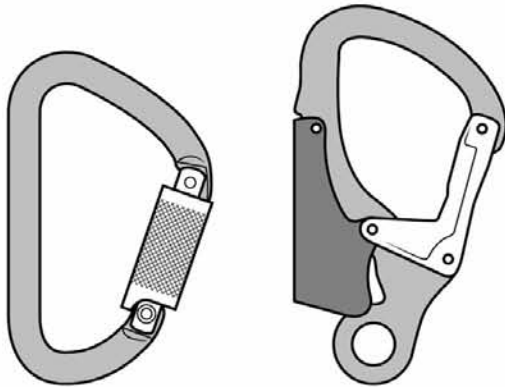
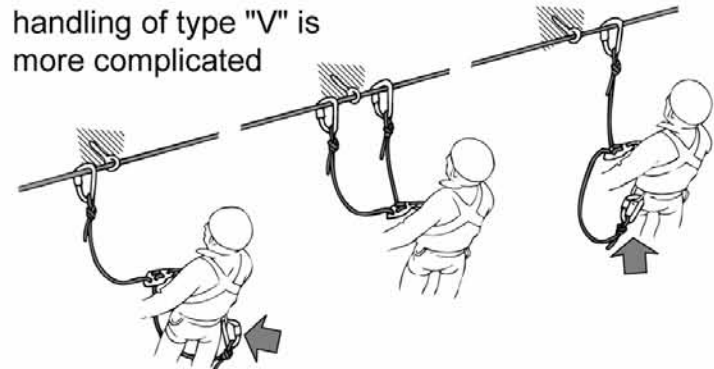
EN 958 - No requirements concerning the figures as shown
UIAA 128 - Only type "Y" is allowed

The two figures below show the different use of type "Y" and "V". - Type "V" is more difficult to understand and use correctly. Only one connector should be clipped to the wire cable, except when passing an anchor. If a fall occurs when both connectors are clipped to the wire cable, there will be no energy absorbing capacity.

handling of type "Y"
easy



handling of type "V" is
more complicated

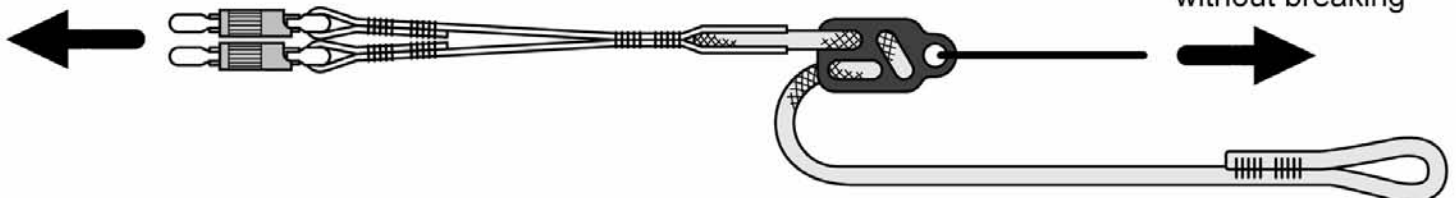


Type K (Klettersteig)
Connector for "Via ferrata",
"Klettersteig"

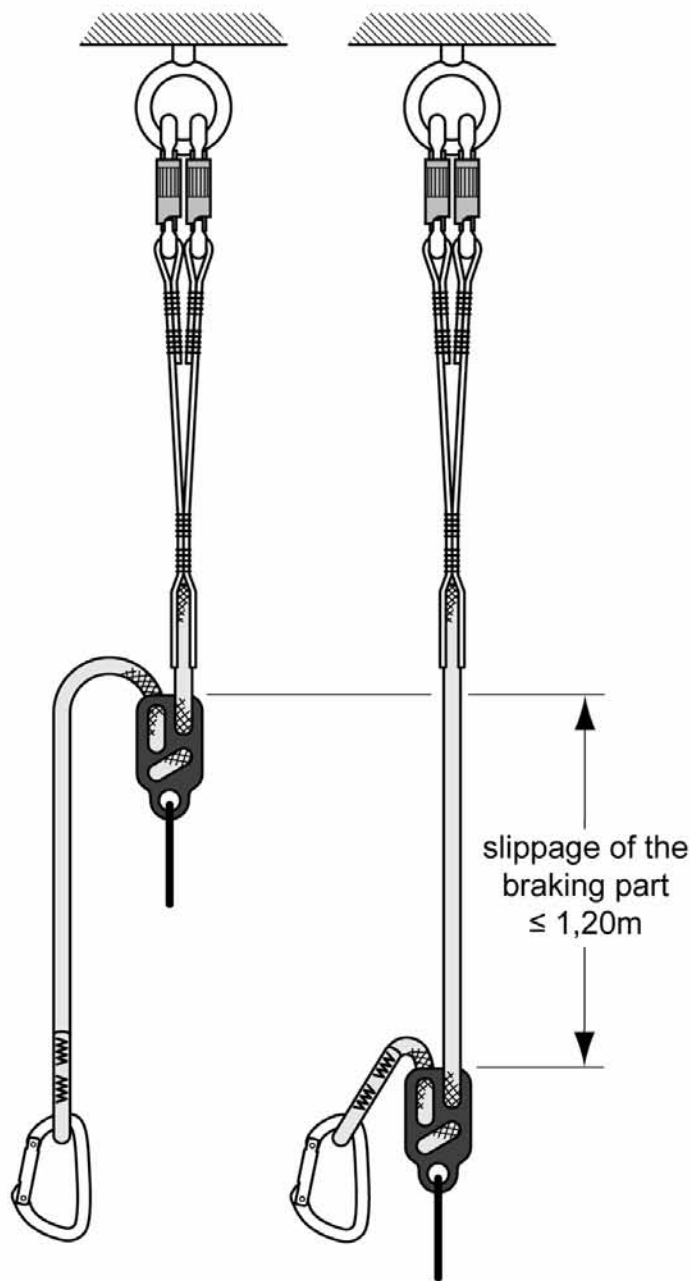
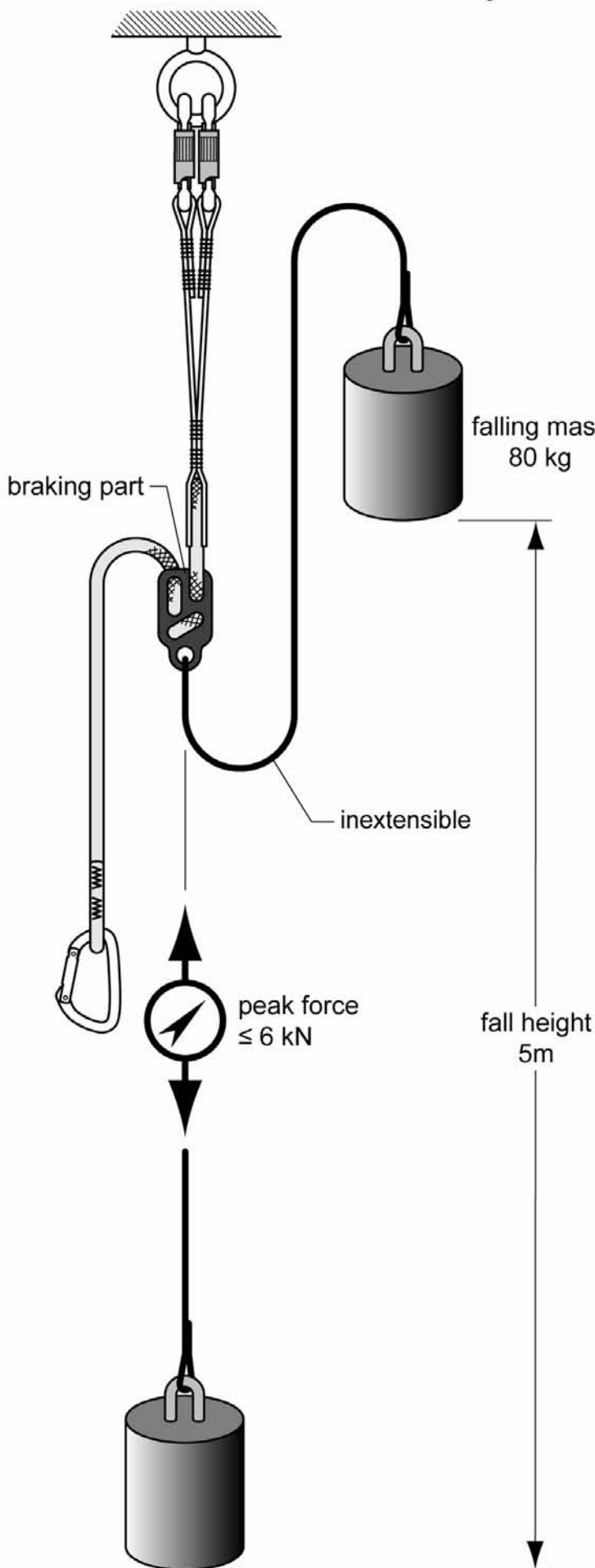
If Energy absorbing systems (EAS) contain connectors (karabiners) when sold, the connectors shall be in accordance with EN 12275 and UIAA 121, Type "K" (K = Klettersteig), which means a higher strength according to EN 12275 and UIAA 121, and an additional minimum bending strength according to UIAA 121.

Static load test

1,2 kN
without slippage
afterwards
9 kN
without breaking



Dynamic load test



Note:

Because the performance of the EAS depends on the friction between the rope and the braking device, the system shall be supplied complete; the braking device shall not be supplied separately. Connectors that are not an integral part of the system may be supplied separately.

All tests shall be done after conditioning as follows: 24 h (50 ± 5) °C and ≤ 10 % rel. humidity, after that 2 h (20 ± 2) °C and ≤ 65 % rel. humidity, after that 72 h (20 ± 2) °C and (65 ± 2) % rel. humidity.

Additional UIAA requirement

Only Type "Y", the safer one, is allowed. All load bearing connections shall be designed to be an unalterable connection, which means that knots are not allowed.