# Sport climbing tech tips

# Basics

# Make sure that the people you're climbing with are competent and independent.

Check that both of you know: - how to tie in and belay correctly. - all the rope management techniques for descending.

#### Analyze the climbing environment

Critically evaluate the equipment, bolt placements, and the quality of the bolt. Is there risk of ground fall, before or after the first bolts? Spot, if necessary. Is there risk of the climber falling or of rock-fall? Don't hesitate to wear a helmet.

# 1 Check each other

With routine and fatigue, we become less cautious.

Remain alert to: - correct tie-in: finished knot, tightened and attached to the tie-in point - rope loaded correctly in the device. locked and correctly positioned carabiner - the rope is running correctly through the quickdraws

### 4 To belay, always keep one hand on the brake end of the rope

Always follow this rule, even when you have to feed slack quickly or when there is a loop in the rope.

When the climber is manipulating the rope at the belay station, keep your belay device on the harness and your hand on the brake end of the rope.

# A. Tying in Figure-8 knot. Tying in to a harness.

# B. Connection between the belay device and its attachment carabiner

Be careful to properly position the attachment carabiner.





# $\cup$ Be alert when lowering on top-rope

Check the length of the route on the topo. Always tie a knot at the end of the rope. Lower your partner at a reasonable speed.

# C. Basic belaying techniques

The same technique is used for all Petzl belay devices.

## Giving slack.

The brake hand pushes the rope in the device.



# D. New GRIGRI technique:

#### Main position for belaying, giving slack

Get into the habit of keeping your hands in this position; it's the main position for belaying. To help make it easier to slide the rope

### Short transitional position for giving slack guickly Do not grip the device with

vour entire hand.

through the device, it's better to push the rope through it, rather than pulling it.











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### E. Positioning and stance



Clip the second bolt at waist level; this reduces the amount of rope out and thus helps prevent the climber hitting the ground in case of a fall before making the clip.

OK!

#### Stay directly underneath the first piece of protection.



Backing-up the belayer:

- weight difference















G. Rope path

X

OK!





Between attempts on the Ultimate Route, Daniel Dulac takes it easy in Sundergrund. Don't worry about the landing ... Photo © Jocelyn Chavy

OK!







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J. Lowering with a GRIGRI and communicating with your partner  $% \left( {{\mathbf{F}_{\mathrm{s}}}^{\mathrm{T}}} \right)$ 







Liv Sansoz with the mascot of the Roc Trip. Photo © Jocelyn Chavy



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