Redcord Ceiling Suspension, Axis/Mini

REF 120730

Instructions for use / EN



Redcord AS
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This accessory is intended solely for mounting Redcord Axis (REF 110050-1) or Redcord Mini (REF 110020-2) to solid concrete ceilings or structural wooden joists. Verify that your ceiling is sound and capable of supporting the required load before installation.

⚠ **CAUTION:** Check the ceiling condition before installation.

Ceiling Suspension for Redcord Axis/Mini includes:	Ceiling brackets (white), 2 pcs	
	Wedge anchors, 4 pcs. (concrete ceilings)	
	Torx wood screws, 4 pcs. (wooden ceiling)	
Ceiling height	Suitable for ceiling heights up to 250 cm.	
Environmental	Indoor, dry environment, only.	
Ceiling type	**Concrete ceiling.** can be mounted on solid, uncracked concrete (reinforced or unreinforced) strength class C20/25 to C50/60. **Wooden ceiling** can be mounted only in structural load-bearing wooden beams made of solid wood. **Do not install it** into ceilings made of porous or lightweight aerated concrete (e.g., YTONG, SIPOREX, LECA). **Do not install** into ceiling panels, wall plates or plasterboard only; it must be fixed into solid concrete or into structural wooden joists. We recommend that the anchor installation is carried out by a qualified person under the supervision of the person responsible for technical matters on site.	
Store	Store dry, indoors; avoid corrosive environments.	
Disposal	Dispose of the product as metal waste in accordance with local regulations.	

WARNINGS AND PRECAUTIONS:

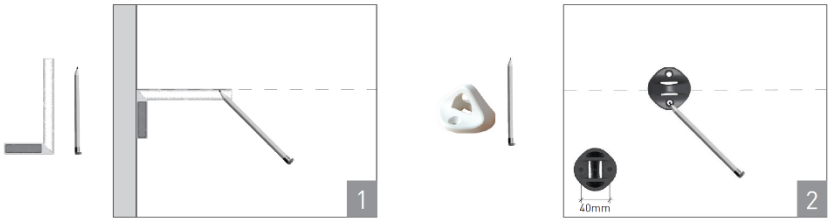
- The maximum load limit for Axis /Mini is **200 kg (100 kg per bracket).**
- Stop using it if you notice any looseness, corrosion, cracks, deformation, or damage of screws/anchors.

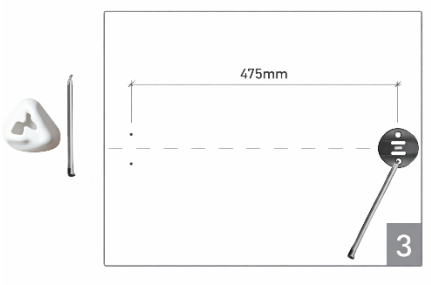
Redcord AS takes no responsibility for the suitability or condition of the ceiling on which the equipment is installed. Redcord takes no responsibility for third-party suspension legs, attachments, or components. Redcord takes no responsibility for any personal or physical damage that might arise due to incorrect installation, and/or due to the ceiling, and/or incorrect use of Redcord equipment**.**

CEILING BRACKETS INSTALLATION

1. Mark the ceiling (concrete ceiling and wooden ceiling)

Draw a line perpendicular to the wall **(1).** Mark the screw holes of the bracket at the desired location. The distance between the two holes in one bracket is **40 mm (2).** Mark the screw holes for the second bracket in the same way **(3).** The distance between the centers of the two brackets should be **475 mm.**



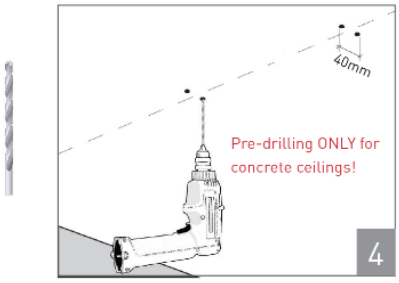


2. Installation on concrete ceiling

Pre-drill (concrete ceilings only) using a Ø6 mm drill bit **(4).** Drill length: 70 mm. Use hammer drilling mode only.

Remove dust from the hole. Correct hole cleaning is essential for safe anchor performance.

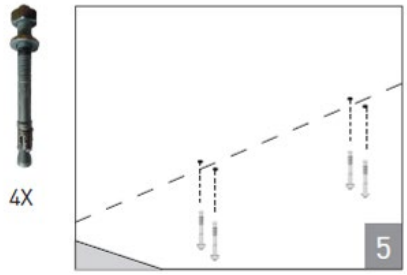
Note: If a hole is aborted, the new hole should be drilled at a distance of at least twice the depth of the aborted hole. A smaller distance is allowed if the aborted hole is filled with high-strength mortar and is not in the direction of the applied load in case of shear or angled tension.



Insert the supplied expansion anchor into the drilled hole. Carefully hammer the anchor into position until fully seated **(5).**

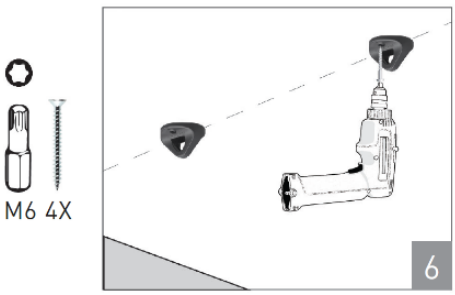
- Do not strike the thread or nut directly.
- Use a plastic or wooden mallet if possible.

Place the ceiling bracket onto the installed anchors. Install two anchors per bracket (in total four anchors). Tighten the nuts using a torque wrench. Required tightening torque: Installation torque (Tinst): 7 Nm



3. Installation on wooden ceiling:

Use drill or screwdriver to tighten the screws in place. Tighten all screws/nuts securely **(6).** Use all four screws.



4. Final check and perform safety test.

Check that all brackets are firmly fixed **(7).** Ensure no visible movement, looseness or misalignment is present.



Use the carabiners supplied with Redcord Axis (REF 110050-1) to attach Axis to the brackets **(8),** or attach Redcord Mini to the ceiling brackets by threading the rope through the brackets and Redcord Mini **(9).** Perform the Safety Test as described below.





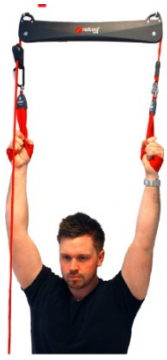




Safety Test

After installing the ceiling suspension and before you start using Redcord Axis/Mini, you must test the installation and the load capacity.

Safety Test for Redcord Axis



- Attach the device to the suspension.
- Grab the suspensions and try to move them in vertical and horizontal directions. The suspension should be stable in all directions. Tighten the screws if necessary.
- Raise the straps all the way up.
- Place one hand in each strap and lift your legs off the ground so that your entire body hangs from the apparatus.
- Bounce your body to apply additional load on the mounting.

Safety Test for Redcord Mini

Tread the rope into the ceiling bracket and the Redcord Mini and lower the straps to about 6 inches (15 cm) above floor level. Place one foot in the strap and try to bounce up and down using your full body weight. Repeat the test on the other ceiling bracket. You have now tested that each anchor point tolerates a load far exceeding your bodyweight. The ceiling brackets are ready to use for training and treatment.



Frequent use: If the device is used regularly or frequently, we recommend that a safety test be conducted at least once a week.

Infrequent use: if the device is used after a prolonged period of inactivity, it is important to perform a safety test before each use to ensure the device is in proper working condition.

Any **serious incident** that has occurred in relation to the device should be **reported to the manufacturer** and to the competent **authority of the Member State** in which the user or patient is located, in accordance with applicable national requirements. For contact details, see the end of this instruction for use

Explanation of symbols and abbreviations

	Symbol Glossary
CE	This medical device complies with the general safety and performance requirements of Regulation (EU) 2017/745 for medical devices.
UDI	Unique device identifier (UDI) The product label includes a UDI for traceability.
	Manufacturer
LOT	Batch code
REF	Catalogue number (REF)
	Caution
	Keep dry
	Keep away from sunlight
	Consult Instructions for Use

Contact and technical support
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