



3 year guarantee



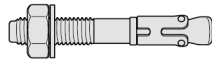
**BOLT STEEL**

**BOLT STAINLESS**

**BOLT HCR**

**Expansion bolt**

Goujon à expansion



**WARNING**

Activities involving the use of this equipment are inherently dangerous. You are responsible for your own actions and decisions.

- Before using this equipment, you must:
  - Read and understand all Instructions for Use.
  - Get specific training in its proper use.
- Become acquainted with its capabilities and limitations.
- Understand and accept the risks involved.



**FAILURE TO HEED ANY OF THESE WARNINGS MAY RESULT IN SEVERE INJURY OR DEATH.**

**Typical strength in 50 MPa concrete**  
Résistance indicative dans béton à 50MPa

	Tensile	Shear
<b>Steel 10mm</b>	15 kN	23 kN
<b>Steel 12mm</b>	18 kN	25 kN
<b>Stainless Steel 10mm</b>	15 kN	25 kN
<b>Stainless Steel 12mm</b>	18 kN	25 kN
<b>HCR 12mm</b>	18 kN	25 kN

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Latest version



Other languages



Technical tips



PPE checking

**Warning symbols**  
Panneaux d'alertes



(1)



(2)



(3)



(4)

PETZL  
F-38920 Croles  
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ISO 9001  
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Au service de la Communauté  
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100%

Recycled paper

**1. Field of application (text part)**  
Champ d'application (partie texte)

**2. Inspection, points to verify (text part)**  
Contrôle, points à vérifier (partie texte)

**3. Compatibility**  
Compatibilité

**Do not combine dissimilar metals**  
Ne pas associer des matières différentes

HCR + STAINLESS  
HCR + STEEL  
STAINLESS + STEEL

**Markings / Marquage**

<b>HCR</b>	1.4529	1.4529	HCR	904L
<b>STAINLESS</b>	A4-80	-	A4	316L
<b>STEEL</b>	-	-	-	STEEL

**4. Installation of the bolt**  
Installation du goujon

**a.**

	Ø 10	Ø 12
<b>STEEL</b>	85 mm	95 mm
<b>STAINLESS</b>	70 mm	85 mm
<b>HCR</b>	-	85 mm

**b.** 1. 2.

**c.** 1. 2. **3 mm mini.**

	Ø 10	Ø 12
<b>STEEL</b>	30 Nm	50 Nm
<b>STAINLESS</b>	25 Nm	50 Nm
<b>HCR</b>	-	45 Nm

6 mm maxi.

**5. Additional information**  
Informations complémentaires

<p><b>A. Lifetime / Durée de vie</b></p> <p> unlimited / illimitée</p>	<p><b>B. Acceptable T°</b> T° tolérées</p> <p> + 80°C / + 176°F - 40°C / - 40°F</p>	<p><b>C. Precautions for use</b> Précautions d'usage</p> <p> etc...</p>	<p><b>D. Cleaning / Nettoyage</b></p> <p> + 30°C maxi. + 86°F maxi.</p>
<p><b>E. Drying / Séchage</b></p> <p> + 30°C maxi. + 86°F maxi.</p>	<p><b>F. Storage - Transport</b> Stockage - transport</p> <p></p>	<p><b>H. Modifications - Repairs</b> Modifications - Réparations</p> <p> → Petzl</p>	<p><b>I. FAQ - Contact</b> Questions - Contact</p> <p> → petzl.com</p>

