

## Technical Documentation: Peltonen Knives, Ranger Puukko Knife M95

---

### 1. General Description and Technical Specifications

Product Series: M95 Ranger Puukko knife

The M95 Ranger Puukko knife is a versatile knife designed for outdoor activities, survival situations, and general utility use. It is crafted for durability and adaptability, ensuring reliability in demanding environments.

#### Technical Specifications

Knife:

- Overall Length: 280 mm
- Blade Length: 150 mm
- Blade Thickness: 4.25 mm
- Blade Material: 80CrV2 Carbon Steel
- Hardness: HRC 59
- Blade Coating: Teflon, Cerakote, or uncoated
- Handle Material: TPE composite

Sheaths:

- Materials: Leather, plastic (composite), and Kydex
  - Attachment: Polyester loop
- 

### 2. Key Safety Features

Knife Safety Features:

- Robust construction enhances durability, reducing risks associated with structural failure.
- Ergonomic handle with finger guard and non-slip material minimizes the risk of slipping during use.

Sheath Safety Features:

- Functional design prevents accidental detachment of the knife and ensures safe handling.
- Leather and plastic sheaths feature an EasyLock locking mechanism and thumb support, increasing safety by securing the knife in place while allowing quick and safe removal.

- The internal hard plastic insert in the leather sheath prevents the blade from piercing the sheath material.
- 

### 3. Risk Analysis

#### 3.1 General Risks

##### 1. Cut Injuries:

- The sharp blade may cause cuts if handled carelessly.
- Prevention: The user manual includes correct cutting techniques and clear warnings.

##### 2. Slippery Handle:

- The handle may become slippery in wet or cold conditions, increasing the risk of losing grip.
- Prevention: Ergonomic design and the use of high-friction handle material.

##### 3. Blade Breakage Risk:

- The blade may break during heavy use, such as when used as a lever or struck against hard materials (e.g., metal, stone, or knots in wood).
- Prevention: Durable blade materials and design, with proper usage highlighted in the user manual.

##### 4. Storage and Transport Risks:

- Storing or carrying the knife without a sheath can lead to accidents, such as falls or stumbles.
- Prevention: The user manual emphasizes the importance of always using a sheath during storage and transport.

#### 3.2 Coating Material Risks

##### A. Teflon Coating:

- Risks:
  - Fine particles may detach from the coating over time and contaminate food.
  - At temperatures exceeding 260°C, Teflon may release harmful gases, potentially irritating the respiratory system.

- Prevention:
  - Avoid using Teflon-coated knives for food preparation.
  - Proper usage and maintenance instructions are provided in the user manual.

#### B. Cerakote Coating:

- Risks:
  - Microscopic particles may detach from worn coating and contaminate food.
  - Long-term exposure effects are not fully studied.
- Prevention:
  - Avoid using Cerakote-coated knives with food.
  - Regular inspection for coating wear is recommended, as highlighted in the user manual.

---

## 4. Document Maintenance and Updates

This documentation is maintained comprehensively for all M95 Ranger Puukko Knife models and is updated whenever significant changes are made to the product. The manufacturer will retain this document for a minimum of 10 years after the product's release to the market and will provide it to authorities upon request.

---

Peltonen Knives

Myllymäenkatu 21  
53550 LAPPEENRANTA  
FINLAND

Email: [info@peltonenknives.com](mailto:info@peltonenknives.com)

Phone: +358 50 411 6633

[www.peltonenknives.com](http://www.peltonenknives.com)