

# CZ 4M Merino Wool FD

## FUNCTIONAL UNDERWEAR

**MERINO 165<sup>®</sup>**  
FIRE DURABLE



### APPLICATION

It is designed for tactical teams and riot units as a base layer for all-day wearing. It maintains the wearer's thermal comfort thanks to its unique structure of the finest Merino fibres with a diameter of only 16.5 microns! At the same time, this latest technology ensures extremely fast drying of the T-shirt after any physical activity. Thanks to the durable structure of the knitted material, it is also suitable for wearing as a top layer.

### MERINO 165<sup>®</sup>

The special anti-bacterial properties of Merino fibres do not burden your body with foreign substances such as silver ions or chemical fibre treatment.

At the same time, the Merino fibre protects against the effect of flames with the resistance of the natural Merino material reaching up to 570 °C. Because natural Merino does not melt like synthetic materials, there is no secondary damage to the skin when hit by a flame. Therefore, it is used by NATO units on FOB (Forward Operating Base) after the prohibition of the use of T-shirts made of synthetic materials (Polyamide, Polyester, Lycra, etc.) following a series of destructive secondary burns during IED intervention in Afghanistan and Iraq missions.

MERINO 165<sup>®</sup> represents a brand of fibres with a diameter of only 16.5 microns that originate from New Zealand and are processed in the European Union. CZ 4M products are exclusively made of this top-quality fibre. As a result, we have achieved unparalleled durability of our products along with the best wearing comfort.



**The resistance of the natural Merino material reaches up to 570 °C.**

## MATERIAL

The unique design of MERINO fibre knitting using the MOIRA technology combines the best properties of the MERINO fibre and the functional capabilities of the material, especially the moisture wicking ability.

## DESIGN

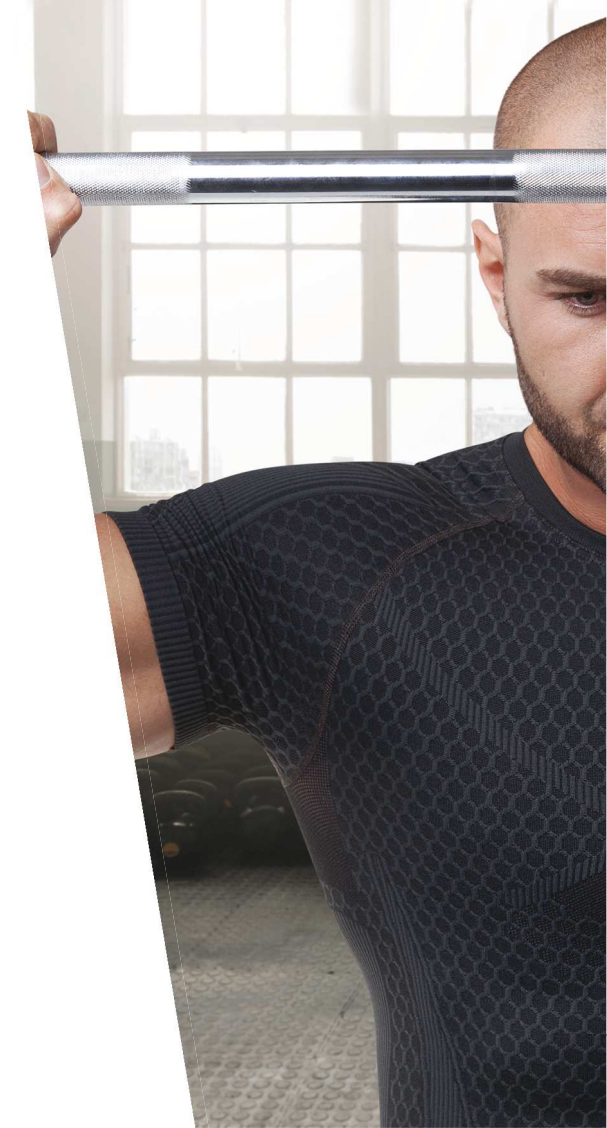
The fit of the T-shirt is adapted for use with a ballistic vest or for carrying a backpack. This means that there are no seams on the shoulders and the upper part of the T-shirt is adapted for carrying load. All other seams are designed to be thin and flat without causing pressure marks. The length of the T-shirt corresponds to the use of a combat uniform or tactical overalls.

## DEVELOPMENT

CZ 4M Merino Wool FD sets were intensively tested during the development by members of several special and rescue units. All knowledge from more than a year of testing was reflected not only in the design of individual types of clothing, but also in the material design. The properties of the CZ 4M Merino Wool FD functional clothing make this product series absolutely unique worldwide for professional use.

- Merino Wool FD (Fire Durability) material with a 16.5 micron fibre.
- Fire resistance of up to 570 °C.
- The best Merino fibre made in EU.
- Natural anti-bacterial properties with zero effect on the organism.
- Combination of Merino fibres and a multi-directional structure for maximum moisture wicking.
- Resistant surface of the material increases durability especially in contact with Velcro, etc.
- Clothing design compatible with tactical and protective gear.
- Flat seams and special material design.
- Tested, developed and manufactured by professionals.
- Made in the Czech Republic by MOIRA a.s.

## RECOMMENDED ASSECCORIES



Colour	Material	Size	Material weight	Fire resistance
Black, FDE, Green	MERINO 165®	S, M, L, XL, XXL	170g/m2	570C*

# CZ 4M WINTER UNDERWEAR LEVEL I

## FUNCTIONAL UNDERWEAR

CLOTHING  
DIVISION

The CZ 4M MOIRA Level I underwear set has been developed by MOIRA for the CZ 4M tactical line of clothing.

The winter set consists of a long sleeve T-shirt with a thumbhole and long pants (men's and women's).

Thermal comfort is guaranteed by the MOIRA Thermon material which draws body moisture away from the skin to the outside. The brushed surface of the material acts as an insulant by holding a large amount of air.

Thermon has been designed to provide the first layer of clothing in cold environments. When used in low temperatures, it is advisable to wear the Level II set as a second layer, which will significantly increase the user's thermal comfort even when the outside temperature reaches  $-40^{\circ}\text{C}$ .



<u>Colour</u>	<u>Material</u>	<u>Size</u>	<u>Material weight</u>
Green	MOIRA® Thermon	S, M, L, XL, XXL	150 g/m <sup>2</sup>