



**CROATIAN INSTITUTE FOR HEALTH  
PROTECTION AND SAFETY AT WORK**

# **PERSONAL PROTECTIVE EQUIPMENT FOR HEAD PROTECTION**

**Series of flyers  
Education for better  
occupational safety and health**



# INDUSTRIAL SAFETY HELMETS



**for protection from mechanical, thermal, electrical and other hazards for use in industry, forestry, construction, mining and other sectors.**



## MAIN PARTS

- 1 SHELL
- 2 HARNESS



## ADDITIONAL PARTS

- 3 HEADBAND
- 4 ADITIONAL VENTILATION SLOTS
- 5 RIM
- 6 SWEAT ABSORBER
- 7 NAPE STRAP
- 8 CHINSTRAP

**Industrial safety helmets have to fulfill the requirements posted by the standard HRN EN 397:2013.**

**Basic requirements: shock absorption, resistance to penetration, flame resistance, chinstrap anchorages**

### ADDITIONAL REQUIREMENTS

### MARKING

Very low temperatures	„- 20°C“ ili „- 30°C“
Very high temperatures	„+150°C“
Dielectric strength	„440 V“
Lateral deformation	„LD“
Molten metal splash	„MM“

# PROPER USE OF THE SAFETY HELMET

- Check the helmet visually
- Obey all the manufacturer's instructions
- Don't switch the belt over the helmet top or helmet edge
- Don't wear industrial safety caps under the helmet
- Don't leave the helmet exposed to direct sun (heat and UV radiation may damage the helmet)
- Don't paint the helmet



Helmet with integrated plate – indicating fatigue of helmet material influenced by UV radiation:



NEW HELMET

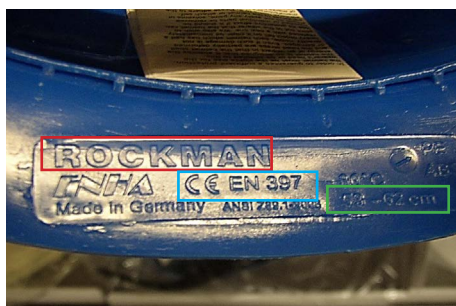


PARTIALLY  
FATIGUED  
MATERIAL



HELMET TO BE  
REPLACED

Marking helmets according to HRN EN 397:2013 (inerasable):



- Name or identification mark of the manufacturer
- Reference standard
- Helmet type (depending on manufacturer)
- Size or size range (cm)



Production  
date



# WHEN TO REPLACE THE HELMET?



- When shabbiness, indentation or traces of damage are observed
- Upon impact (even if there is no visual defect)
- Periodically (according to manufacturer's instructions)



**IN CASE OF DOUBT  
ON THE HELMET'S PROTECTIVE CAPACITY IT MUST BE  
IMMEDIATELY REPLACED AND DISCARDED !!!**



# INDUSTRIAL PROTECTIVE CAPS

**For protection from mechanical hazards and dusts when head injury risks do not require wearing helmets.**

**Industrial protective caps have to meet the requirements of standard HRN EN 812:2012. Basic requirements: shock absorption, resistance to penetration**



# PROTECTIVE NETS AND COVERINGS

For protection from  
hair grasping by  
rotating machine  
parts, unfavourable  
microclimatic  
conditions and dust.



NETS

BALACLAVAS



HATS

SUN CAPE  
WITH NECK  
PROTECTION



CAPS



# PROTECTIVE HOODS AND SCARFS

For protection from high  
IR radiation (heat), hot  
particles, dust and hair  
grasping by rotating  
machine parts.



SCARFS



BOVINE HIDE  
HOODS



ALUMINIZED  
HOODS



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