

# WHICH HELMET FOR WHICH PURPOSE?

Fire fighting, technical rescue, forest and wild fire combat

Tests	Norms:	EN443:2008 Fire Fighting Typ A* + Typ B**	EN16473:2014 Techn. rescue Typ A*	EN16471:2014 Forest- and wild- fire combat Typ A*
Heat resistance		+++	+++	+++
Fire resistance		+++	+	+
Radiation heat		+++	-	+
Protection against hot solids		+++	-	++
Protection against melting metals		+++	-	-
Shock absorption test		+++	+	+
Perforation test		+++	+	+
Lateral deformation		+++	++	-
Effectiveness of the restraint system		+++	+++	+++
Strength of the restraint system		+++	++	++
Electrical properties (E1, E2, E3)		+(+++) optional	++(+) optional	-
Contact with liquid chemicals (c)		(+) optional	+	-
Protection against high speed particles		+++	+++	-
Field of view (horizontal/vertical)		+++	+++	+++
Visor / face shield (EN 14458)		+++	+++	-

+++ high ++ medium + low - No request



**Full protection helmet**  
CASCO PF 1000 EXTREME  
Helmet-Typ: B EN443:2008

\*Half shell helmet, protection zone 1a



**Half shell helmet**  
CASCO PF 112 EXTREME  
Helmet-Typ: A EN443:2008

\*\*full protection helmet, protection zone 1a and 1b



**Lightweight helmet**  
CASCO PF 100 RESCUE  
Techn. rescue EN16473:2014  
Forest- and wild fire combat EN16471:2014  
Canoeing and whitewater sports EN 1385



# FULL

PF 1000 EXTREME - THE FIRE FIGHTING FULL PROTECTION HELMET

# HALF

PF 112 EXTREME - THE FIRE FIGHTING HALF SHELL HELMET

# LIGHT

PF 100 RESCUE - THE FIRE FIGHTING LIGHT HELMET

# The helmet manufactory in Europe

Since its founding in **1989** CASCO focuses on producing top quality protecting helmets with innovative functionality and modern technology. In our factory in Satu Mare, the very unique helmets with sophisticated safety concepts are produced in the perfect mixture of hand craft and high-tech. CASCO is completely **specialized in helmets** and was many times pioneer for helmet innovations. The helmet specialist spends a great deal of time and energy developing solutions that make helmets as safe, comfortable and flexible to wear as possible.

The well-thought out product concepts result in innovations like the CASCO Hard-Fibreglass-Shell or the new light-weight-firefighting and rescue helmet PF 100 Rescue. Our experience and our undaunted willingness to seek further improvements are keys to success.

Of course, all our firefighting and rescue helmets fulfil the **European safety standards** and are subject to the permanent monitoring of certified and notified authorities. CASCO is **ISO-certified**, which ensures a quality control at every step of production.



The Style of  
Protection

# 6 good reasons for a CASCO helmet...

1



**CASCO Hard-Fibreglass-Shell** is extremely durable. The PF 1000 SERIES and PF 112 EXTREME withstand the temperature test of EN 443 **three times longer** than required.



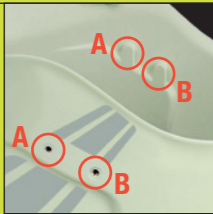
Video comparison test:  
<https://youtu.be/vfF6kBdP5oU>

2



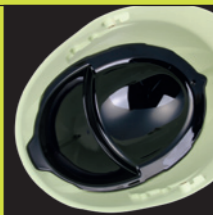
CASCO firefighting helmets have all the **typical protecting collar**. They are the only helmets worldwide, which fulfill the safety standard EN 443:2008 even **without neck protection**.

3



Helmet shell has no boreholes whatsoever (external screws). Leakage current is impossible. **Lifetime electricity protection** is guaranteed. Pierced helmets have by nature of construction the safety deficiency of „seals“.

4



Long term **health care**:  
The PU shock damping core is sealed. Health-damaging **soot particles residues** can be wiped.  
Easily cleanable smooth leather pads instead of textile.

5



Size adjustment wheel with **quick access** by **magnet protection flap**, comfort interior, 3-dimensional adjustable.

6



The safety **push button loc** can be opened **in any situation** - even under load (car safety belt principle).

## PF 1000 EXTREME/R

Fire brigade full safety helmet / rescue helmet



**6 good reasons (see left page) plus...**

The visor of PF 1000 can be **fully retracted** into the shell of the helmet and is stored safely against flames. Costs can be saved.

The visor has an **outstanding optical quality**. There are no bothering edges, which increase the risk of falling (steps, stairs...).

**Excellent hearing and acustics**; easy use of mobile phones and radio sets.

The PF 1000 SERIES is **very compact** and doesn't wear out.

PF 1000 R  
Helmet type  
**A**

PF 1000 EXTREME  
Helmet type  
**B**

**Testing standards**  
Helmet: EN 443:2008  
Face shield:  
EN 14458:2004

**Temperature rating**  
40 KW (approx. 280°C)  
Low temperature -30°C

**Sizes\***  
52-64 cm = UNI  
**Weight**  
Approx. 1500g

## PF 112 EXTREME

Fire fighting half shell helmet



**6 good reasons (see left page) plus...**

The visor of PF 112 Extreme is adjusted in the twinkling of an eye. This **quick mounting** works without any annoying screwing.

The **heat isolation** is very good due to CASCO Hard-Fibreglass-Shell, which enables a nice wearing comfort (in opposite: Aluminium is a true heat conductor).

The anti-slip structure on the PF 112 Extreme helmet shield allows an always **good grip** of the helmet and avoids unnecessary damage by falling down.

PF 112 EXTREME  
Helmet type  
**A**

**Testing standards**  
Helmet: EN 443:2008  
Face shield: EN 14458:2004

**Temperature rating**  
40 KW (ca. 280 °C)  
Low temperature -30°C

**Sizes\***  
53-64 cm = UNI  
**Weight**  
Approx. 1050 g



Standard colors  
EX: 8.1001.11  
R: 8.1050.11V  
EX: 8.1001.13  
R: 8.1050.13V  
Special colors available on request



Standard colors  
8.112.11  
8.112.13  
Special colors available on request

\*Sizes are subject to change

# PF 100 RESCUE

The lightweight fire fighting helmet

Latest studies of fire fighting operations in Europe:

**100% operations**

**75% technical assistance**

**25% fire fighting**



### Testing standards

- EN16473:2014 Techn. rescue
- EN16471:2014 Forest- and wild fire combat
- EN1385 Canoeing and whitewater sports

### Sizes\*

- 50-56 cm = S
- 56-59 cm = M
- 59-63 cm = L

### Weight

about 500g



On request with your association logo



### Safety:

Reflector stripes - 360° reflection.



### Multi-adapter:

The perfect connection between helmet and optional accessories, such as visor, ear protectors etc.



### Outside shell:

- Combi-shell: rugged hard shell combined with light-weight in-mold shell
- 360° reflection
- 3 shell sizes: S / M / L



### Neck protector:

Optional: This helmet can be retrofitted with neck protection.



### Interior:

- AIRfit comfort interior - helmet fits contactless on head for increased thermal dissipation and comfort.
- Gets a balanced climate in the helmet on each assignment.
- Optional: interior for forest fire and winter (nomex inclusive ear protection).



### Sizing:

Continuously variable sizing by head ring with CASCO DiskFit™-Vario twist-lock.

### Standard colors



8.100.17    8.100.13    8.100.11

### Special colors available on request



# NEW YOUTH FIRE BRIGADE HELMET



### NEO PROTECT 5 IN 1

This multifunctional helmet fulfils 5 safety standards at the same time and is therefore perfectly suitable for smart young firefighters, whether at the youth fire brigade or at different leisure activities (climbing, cycling, skiing or canoeing).



08.5017.

### Sizes\*

- NEO PROTECT 5 IN 1**
- 50-56 cm = S
  - 56-59 cm = M
  - 59-63 cm = L

### NEO PROTECT

Focus on young fire fighters. DIN 4840 youth firefighting helmet and EN 397 industrial safety.



08.3017.

### Sizes\*

- NEO PROTECT**
- 50-56 cm = S
  - 56-59 cm = M
  - 59-63 cm = L

## ACCESSORIES & SPARE PARTS



Visor HB 2 mm PC standard, 08.2047.00



Visor HB 2,5 mm PC Antifog, 08.2047.01



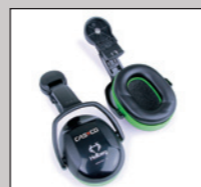
Mesh visor HB 08.2048.00



Visor frame single HB 08.2047.10



Visor mount HB 08.2047.20



Ear protection 08.2049.00



Neck protector 08.3028.S / M / L



Winter set Nomex 08.2050.S / M / L



Electric torch UK 4AA ES1 Xenon 08.5035.02



Electric torch / Visor-bracket for mounting on helmet adaptor (ri + le) 08.5038.01



## MAINTAIN PRODUCTS

**Helmet refresher (inside)**  
Unpleasant smells are not covered, but destroyed. The helmet is immediately useable. 100ml spray bottle 02.4002.10

**Helmet cleaner (outside)**  
Cleans automatically and hygienic deep effective. 100ml spray bottle 02.4001.10