

### What has changed?

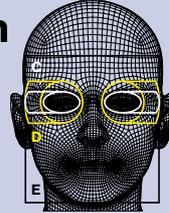
EN ISO 16321 replaces EN 166 as of November 2025 to ensure greater global consistency across industries.

Designed to better address current workplace challenges, it features:

- ✓ Enhanced tests
- ✓ Harmonised marking
- ✓ New safety requirements

### 3 protection zones

instead of restriction to product design / types.



Drop ball test (basic requirement)

- C** Low energy impact 45 m/s
- D** Medium energy impact 80 m/s
- E** High energy impact 120 m/s

### 6 sizes available to fit 95% of global head shapes

- 1S** Small (European)
- 1M** Medium (European)
- 1L** Large (European)
- 2S** Small (Asian)
- 2M** Medium (Asian)
- 2L** Large (Asian)

## Additional markings : for high-performance protection

CODE **NEW** DESIGNATION

LOCATION

OPTIONAL MARKING

<b>3</b>	Protection against liquids (droplets and splashes)	
<b>4</b>	Protection against large dust particles with a grain size of >5µm	
<b>5</b>	Protection against gases, vapours, spray droplets, fumes and particles with a size < 5 µm	
<b>6</b> ✓	<b>Protection against high-pressure liquid flows</b> (for goggles and visors only)	
<b>7</b> ✓	<b>Protection against radiant heat</b> (950 K and 1 450 K) (for visors only)	
<b>8</b> ✓	<b>Protection against short-circuit electric arcs</b> (visors only)	
<b>9</b>	Protection against molten metals and hot solids (visors only)	
<b>CH</b> ✓	<b>Chemical resistance</b>	
<b>HM</b> ✓	<b>High mass impact resistance</b>	
<b>T</b>	Tested at extreme temperatures (-5 °C / +55 °C)	
<b>K</b>	Resistance to surface damage caused by fine particles (scratch resistance)	
<b>N</b>	Resistance to fogging in accordance with EN ISO 16321	

FILTER MARKING

<b>U</b> ✓	UV protection filter	
<b>G</b> ✓	Sun protection filters for occupational use	
<b>W</b> ✓	Welding filter	
<b>R</b> ✓	IR protection filter	
<b>L</b> ✓	Compliant for signal light recognition	

## Understanding markings at a glance

### Lens



**W** **UL1,2** **DT** **1** **KN** **CE**

**Lens filter type**

Protection against artificial UV, sunlight and glare, infrared radiation and light transmission level.

**Optical class**

### Frame



**16321** **W** **DT** **34** **1-S/1-M** **CE**

**Document number**

Indicates which specific standard this PPE complies with.

**Head size**



### Manufacturer

The logo or letter identifies the manufacturer.



### Mechanical strength

Level of impact protection.



### Optional markings

For extended protection.



### CE certification mark

Marking attesting to European conformity.