# U13 Temporary Sign – Speed Limit 80 km/h, Ø80 cm, Class II

Signs compliant with SR 1848-1:2024




## AT A GLANCE

- Temporary road sign U13 "Speed limit", to SR 1848-1:2024.
- 80 cm diameter yellow disc, in 1 mm galvanised steel sheet.
- Class II (RA2) prismatic sheeting, guaranteed 10-year service life.
- Fixings included: 2 clamps for Ø48 mm posts and 4 bolts with nuts.

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| Product code | **U13-80_II** |
| Category | **Metal Road Signs (Class II)** |
| Weight | **5.5 kg** |
| Compliance | **Signs compliant with SR 1848-1:2024** |

This product on attotrafic.ro
**https://attotrafic.ro/en_US/products/u13-limitare-de-viteza-80-km-h-o80-cm-clasa-ii**

## Technical specifications

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| **SR 1848-1 code** | U13 |
| **Name in the standard** | Speed limit |
| **Type** | Temporary road sign |
| **Shape and colours** | 80 cm diameter yellow disc, red border, with the number 70 |
| **Size** | Ø80 cm |
| **Format (SR 1848-2)** | Large |
| **Material** | Galvanised steel sheet, 1 mm |
| **Construction** | Pressed edges, no sharp edges |
| **Painting** | Electrostatic, UV-resistant paint |
| **Retroreflective sheeting** | Class II (RA2), prismatic, UV-resistant |
| **Retroreflection (white, 0.2°/5°)** | 250 cd/(lx·m²) |

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| **Sheeting service life** | 10 years (SR 1848-2) |
| **Fixings included** | 2 clamps, 4 bolts with nuts |
| **Post diameter** | Ø48 mm (Ø60 mm on request) |
| **Standards** | SR EN 12899-1:2007, SR 1848-1:2024, SR 1848-2:2011, SR 1848-3:2011 |
| **Marking** | CE |

## Description

The 80 km/h limit on an Ø80 cm yellow disc with class II prismatic sheeting. It is the first step on national roads and expressways, ahead of the lower limits placed closer to the works.

### Why class II

SR 1848-2 requires temporary signs to have at least the same retroreflection class as the permanent signing on that section, so on a road whose existing signs have class II sheeting, a class I temporary sign is not compliant. Class II (RA2) prismatic sheeting returns roughly three to four times more light than class I, and in a work zone, where drivers must slow down and sometimes change lanes, every extra metre of visibility counts.

### Where it goes, under SR 1848-1:2024

It limits speed to 80 km/h on the work section; its permanent counterpart is the C27. The value is chosen to suit the conditions in the work zone, and the end of the limit is shown with the U14 (End of all restrictions); in class II, the U14_II. SR 1848-1:2024 sets no specific distance for this sign: it is installed under the technical regulations in force for signing roadworks, following the signing layout of the works. Like any sign, it normally goes on the right-hand side of the direction of travel, so that it can be seen from at least 50 m in built-up areas and at least 100 m outside them (SR 1848-2).

### What the roadworks rules require (Order 1112/411/2000)

The sign belongs to the advance signing, which is installed first, ahead of the work zone in the direction of travel, with at least 50 cm of clear space outside the carriageway. The rules require signs to be stood on the ground first, to check that they are clearly visible, and only then fixed to a support; no more than two signs go on the same support or side by side, and on one-way roads or bends they can be repeated on the left side or above the road.

If permanent signs on the section contradict the temporary signing, for example a different speed limit, the rules require them to be removed or covered with a mask for as long as the restriction lasts.

On public roads, works are signed under the methodological rules approved by Order MI/MT no. 1112/411/2000. The road closure or traffic restriction is approved by the road authority, with the traffic police's agreement, on the basis of a signing layout endorsed as final, a copy of which the contractor keeps at the work site. The contractor installs, completes and maintains the signing for the whole job, removes it at the end and restores the original signing; accidents caused by incomplete or missing temporary signing are entirely the contractor's responsibility.

At night, if the existing signing on the road is retroreflective, the temporary signing must be retroreflective too and can be supplemented with flashing or sequential (“cascade”) amber lamps; on main and connecting streets in towns, retroreflective temporary signs are supplemented with flashing amber lamps.

### Technical data

- 80 cm diameter yellow disc, red border, with the number 70;
- 1 mm galvanised steel sheet, with pressed edges, no sharp edges;
- electrostatically painted;
- class II (RA2) prismatic retroreflective sheeting, with a guaranteed 10-year service life;
- fixings included: 2 clamps for Ø48 mm posts and 4 bolts with nuts;
- compliant with SR EN 12899-1:2007, SR 1848-1:2024, SR 1848-2:2011 and SR 1848-3:2011.

### Mounting and size

Fixings for the post are included: 2 clamps for Ø48 mm posts and 4 bolts with nuts; clamps for Ø60 mm posts are available on request. The bottom edge of the sign goes 1.50–2.50 m above the road or kerb, and the edge nearest the road 0.50–2.0 m from the road platform. Temporary signs can also be mounted on mobile supports (SR 1848-2), such as the V2-15 or V2-28.

Like all temporary signs that have a permanent counterpart, it has the same symbols and sizes, but the white background is replaced with yellow (SR 1848-2), so drivers recognise roadworks signing at once. As with permanent signs, the Ø80 cm disc is the large format in SR 1848-2, required on national roads; motorways use Ø100 cm, and other roads and streets Ø60 cm.

## Drawings and details · 1/3

# U13 – Limitare de viteză

Maximum speed limit

Ø80 cm · dimensiunile feței indicatorului

Ø80 cm · sign face dimensions




**Dimensiuni SR 1848-2 (mm)**
SR 1848-2 dimensions (mm)

**Ø60 cm**
D = 600 · a = 60 · h = 260
străzi și alte drumuri
streets and other roads

**Ø80 cm**
D = 800 · a = 80 · h = 345
drumuri naționale
national roads

**Ø100 cm**
D = 1000 · a = 100 · h = 435
autostrăzi
motorways

Indicator temporar: fond galben; cotele sunt ale feței retroreflectorizante.
Temporary sign: yellow background; dimensions of the retroreflective face.

Panoul suport depășește fața cu 5–10 mm (SR 1848-2, 6.1).
The backing panel is 5–10 mm larger than the face (SR 1848-2, 6.1).

a = lățimea chenarului roșu; h = înălțimea cifrelor (SR 1848-2, tab. 5).
a = width of the red border; h = digit height (SR 1848-2, table 5).

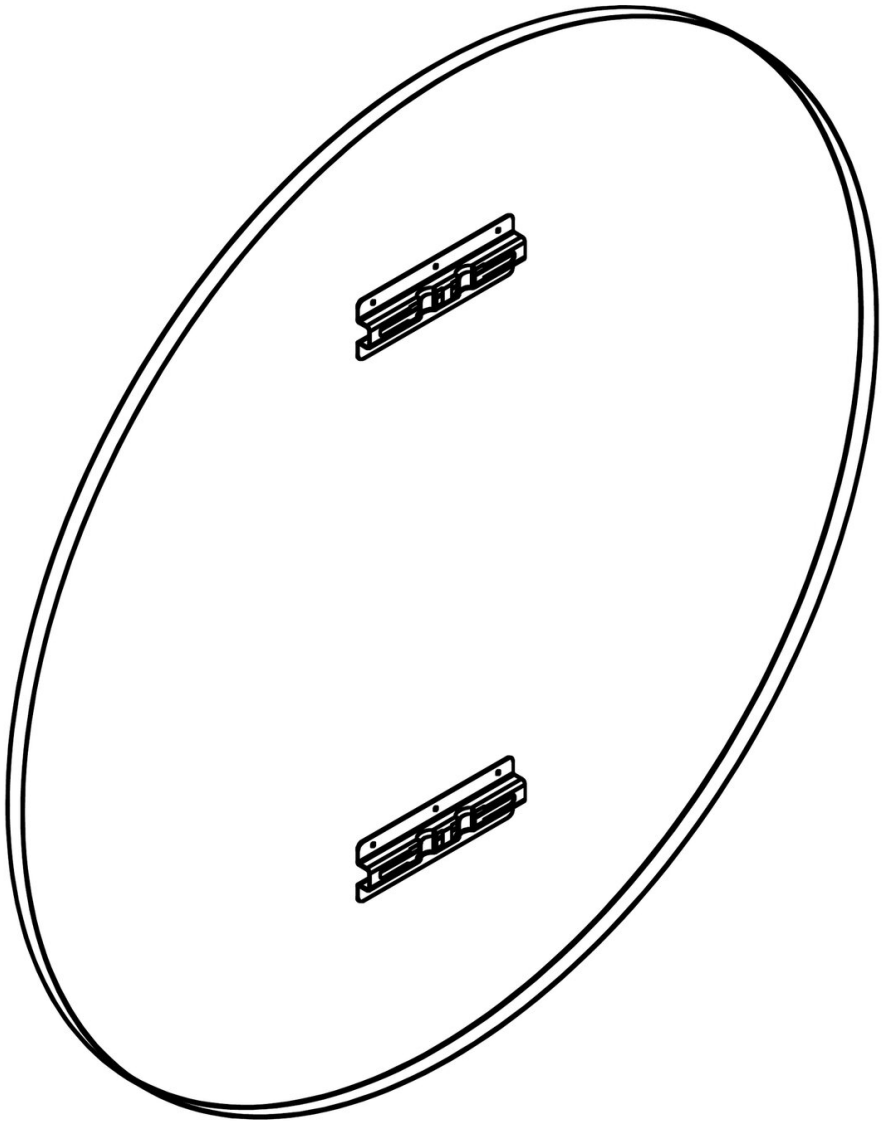
Valori: 5–110 km/h.
Values: 5–110 km/h.

Cifrele: scriere tip „îngust” (ca în figurile SR 1848-1); înălțimea din SR 1848-2, tab. 5.
Digits: narrow type (as in the SR 1848-1 figures); height from SR 1848-2, table 5.

Scriere SR 1848-3: tip „îngust”, H = 345 mm.
SR 1848-3 lettering: narrow type, H = 345 mm.

Sursa: SR 1848-2:2011, tab. 3, tab. 4, tab. 5 și tab. 12.
Source: SR 1848-2:2011, table 3, table 4, table 5 and table 12.

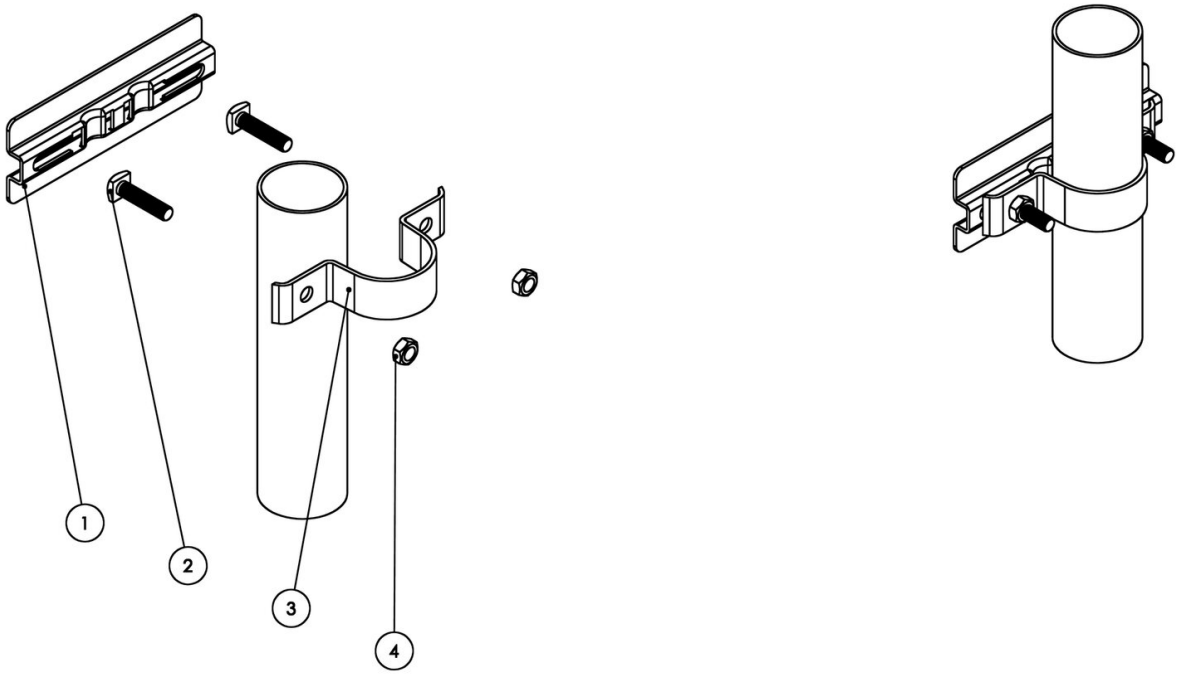
## Drawings and details · 2/3



## Drawings and details · 3/3

# Prindere cu canal și colier, stâlp Ø48 mm

Channel and clamp fixing, Ø48 mm post




**1** Canal de prindere din aluminiu (pe spatele panoului)
Aluminium fixing channel (on the back of the panel)

**2** Șurub M8 × 35 cu cap pătrat, zincat (2 buc.)
M8 × 35 square-head bolt, galvanised (2 pcs)

**3** Colier Ø48 mm din tablă zincată
Ø48 mm clamp, galvanised steel

**4** Piuliță M8 zincată (2 buc.)
M8 nut, galvanised (2 pcs)

Set pentru un punct de prindere. Pentru stâlp Ø60 mm, colierele se livrează la cerere.
Set for one fixing point. Clamps for Ø60 mm posts are available on request.