C27 Prohibition Sign – Speed Limit 50 km/h, Ø80 cm, Class II

Signs compliant with SR 1848-1:2024



AT A GLANCE

- Prohibition or restriction sign C27 "Maximum speed limit (50 km/h)", to SR 1848-1:2024.
- 80 cm diameter disc, large format, 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.
- CE marked; sheeting and paint resistant to UV and weathering.

Product code	**C27-50_II**
Category	**Metal Road Signs (Class II)**
Weight	**5 kg**
Compliance	**Signs compliant with SR 1848-1:2024**

This product on attotrafic.ro
https://attotrafic.ro/en_US/products/c27-limitare-de-viteza-50-km-h-o80-cm-clasa-ii

Technical specifications

SR 1848-1 code	C27
Name in the standard	Maximum speed limit (50 km/h)
Type	Prohibition or restriction road sign
Shape and colours	White disc with a red border and the value 50 km/h in black
Value shown	50 km/h
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)
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 C27 showing 50 km/h sets the speed limit for the section ahead: the value in black on a white background, inside a red border, may not be exceeded until the sign that ends the limit. The disc is Ø80 cm, the large format in SR 1848-2, and the class II prismatic sheeting keeps it visible on lit streets as well.

Why class II

The difference from class I shows at night: class II (RA2) prismatic sheeting returns three to four times more light, and the gap grows when the sign is mounted at the side, far from the centre of the road. On lit streets with shop windows and advertising, SR 1848-2 requires prismatic class 2 or 3 sheeting. The standard guarantees a 10-year service life for class II sheeting, three years more than for class I.

Where it goes, under SR 1848-1:2024

It goes at the start of a section where the speed shown may not be exceeded. The end of the limit is signed with the C34 (end of speed limit). As needed, it can carry the P27 (ice, frost, snow) or P29 (rain, fog, blizzard) additional panels. Installed with the town entry sign, it applies throughout the town, except where other signs say otherwise.

The general rule in SR 1848-1:2024: the sign goes right after the junction before the restricted section, so the drivers concerned can find a way round without turning back, and it is repeated after every junction on the section. Mounted over a lane, it applies to that lane only; when the restriction starts some distance on, the P4 panel shows the distance.

Technical data

- 80 cm diameter disc (large format, SR 1848-2): white with a red border and the value 50 km/h in black;
- 1 mm galvanised steel sheet, with pressed edges, no sharp edges;
- electrostatically painted with UV-resistant paint;
- class II (RA2) prismatic retroreflective sheeting, resistant to UV and weathering, with a guaranteed 10-year service life;
- fixings included: 2 clamps for Ø48 mm posts and 4 bolts with nuts;
- CE marked; 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.

The post is ordered separately. For a fixed installation in a concrete foundation: the galvanised Ø48 mm post, 300 cm. For temporary use, with no foundation: the Ø48 mm tripod post, 120 cm. On concrete or paving, where you cannot dig: the Ø60 mm flange post, 300 cm, bolted down; for it, ask for the Ø60 mm clamps when you order.

The 80 cm diameter is the large format in SR 1848-2, required on national roads; motorways use the very large 100 cm format. County and local roads, streets and private roads open to public traffic only need the normal Ø60 cm format: the class I sheeting version is the C27-50.

Drawings and details · 1/3

C27 – 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)

Ø40 cm
D = 400 · a = 50 · h = 175
drumuri vicinale cu trafic redus
low-traffic local access roads

Ø60 cm
D = 600 · a = 60 · h = 260
drumuri județene, comunale, străzi
county and communal roads, streets

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

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

Fond alb, chenar roșu a; cotele sunt ale feței retroreflectorizante.
White background, red border a; 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).

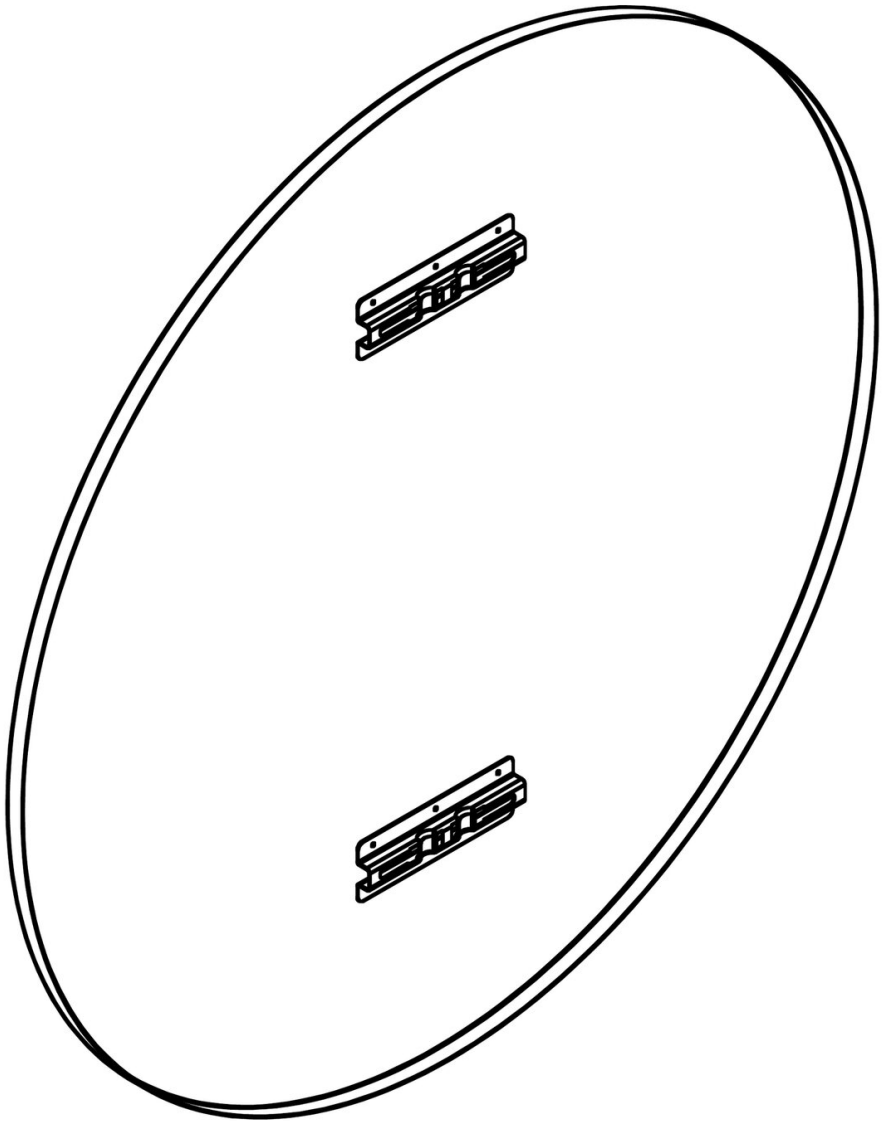
Formatul se alege după categoria drumului (SR 1848-2, 5.2).
The format follows the road category (SR 1848-2, 5.2).

Cifrele și unitățile: scriere tip „îngust” (ca în figurile SR 1848-1:2024).
Digits and units: narrow type (as in the SR 1848-1:2024 figures).

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

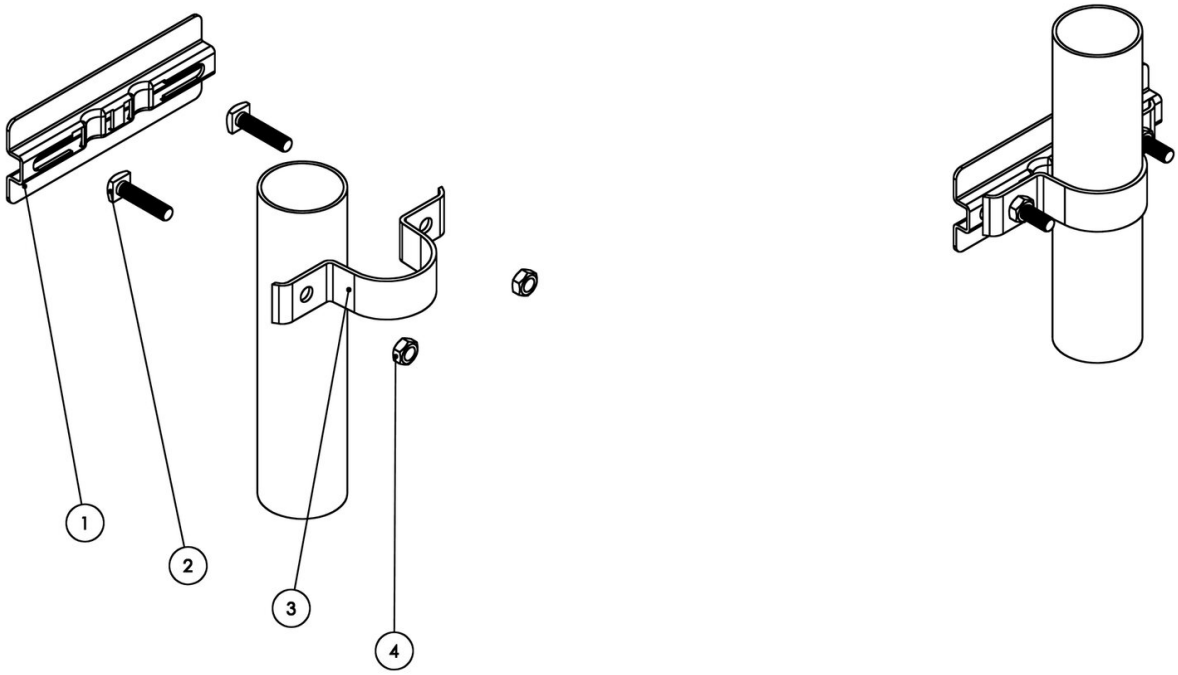
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Prindere cu canal și colier, stâlp Ø48 mm

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.