"PaXando a nivel": bringing level crossing safety closer to the public" aims to encourage positive behaviour and habits among drivers and pedestrians by informing them about the different types of level crossings, their components and operation.

#### WHAT IS A LEVEL CROSSING?

A level crossing is any intersection, at the same level, of a road or other means of communication with railway lines. At level crossings, the train has priority and has protection and signalling systems to guarantee safety.

#### **LEVEL CROSSINGS IN SPAIN:**

At the end of 2022, there were 2,919 level crossings in Spain. Today, by law, no more are allowed to be built. Between 2010 and 2022, 90 people died at level crossings in Spain and 43 were seriously injured.

# LEVEL CROSSING COMPONENTS

- Maximum speed announcement signal for level crossing
- 2.- Signal order "WHISTLE"
- 3.- Local control
- 4.- Obstacle detector
- 5.- Semi-barriers
- 6.– Slowing down elements
- 7.- Non-directional reset pedal
- 8.- Luminous sign "CAUTION DO NOT PASS"
- 9.- Traffic forbidden

- **10.-** Signal for a level crossing without barriers
- 11.- Fixed single or double St Andrew's cross
- 12.- Acoustic signal
- 13.- Illuminated sign "ANOTHER TRAIN"
- 14.- Horizontal signals
- 15.- Vertical fixed signals
- 16.- LEVEL CROSSING sign
- 17.- PROTECTED AND UNPROTECTED

  LEVEL CROSSING signal
- 18.- Directional warning pedal

# TYPES OF LEVEL CROSSINGS

#### PASSIVE These level crossings do not have any light and/or acoustic warning or protection system such as or Class P barriers, half-barriers, gates or chains. At these level crossings, there is only horizontal and vertical $\bowtie$ level crossings signs, which warns of the proximity of the level crossing without a barrier. On the track side, there are signs with fixed indication to warn the driver of the proximity of the level crossing. The warning or user protection is activated or performed manually by railway staff. In addition to signalling. $\bowtie \Omega$ The warning to the user is automatically activated by the approaching **⋈** ⋈) ••• train. In addition to horizontal and vertical signs, it shall have luminous signalling, with two horizontal red lights flashing alternately and audible ACTIVE or Class A A3 In addition to the above safety measures there are half-barriers or movable barriers, to cut off access of vehicles from the road to the **⋈** ⋈) ••• level crossings **≫** ♠)) ••• An obstacle detector on the track is added to the above safety



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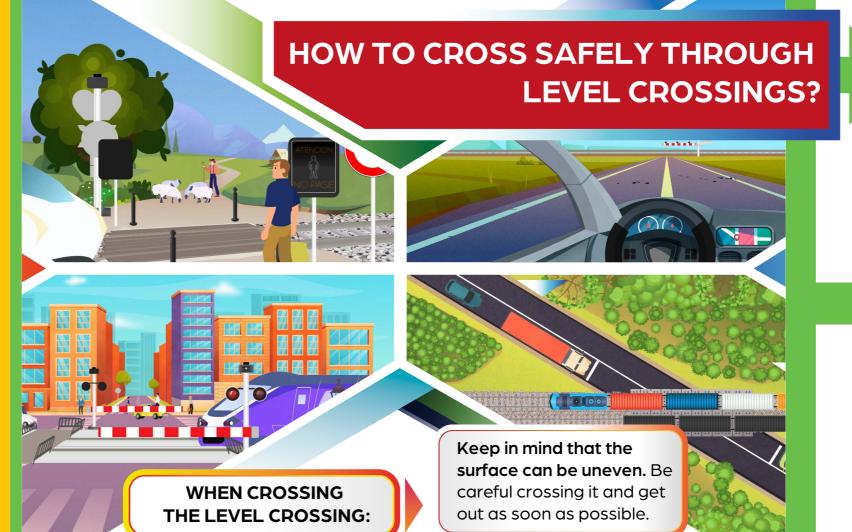




BRINGING LEVEL CROSSING SAFETY
CLOSER TO THE PUBLIC







## AT ACTIVE LEVEL CROSSINGS:

- If the acoustic and/or light signals are activated,
   wait until the train has passed and if you are already
   crossing the level crossing, keep calm and go as fast as you can
- Be careful because **behind one train another** can come

### AT PASSIVE LEVEL CROSSINGS:

- Stop, look and listen, and if you can cross, cross quickly
- Be careful because **behind one train another** can come

## WHEN APPROACHING THE LEVEL CROSSING:

- Approach with caution
- Respect the signage
- Stop before crossing it if necessary
- Pay attention and stay alert
- Avoid distractions: mobile, music, conversations, etc.



