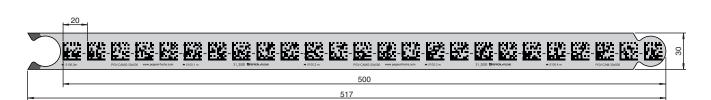


DataMatrix metal code bars for positioning PGV read heads

### **Function**

Rugged Data Matrix metal code bars made of anodized aluminum for use on the ground in camera-based track guidance. Depending on the application, the code bars can be glued directly to the floor, or glued into special carrier profile rails. The code bars are available in modular lengths of 100, 200, and 500 mm.

# Dimensions



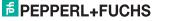
# **Technical Data**

General	specifications
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General specifications	
Total length	6 m
Start position	132 m
Code bar segment	
Nominal segment length	500 mm
Width	30 mm
Ambient conditions	
Operating temperature	-40 80 °C (-40 176 °F)
Installation temperature	10 40 °C (50 104 °F)
Environmental resistance	UV radiation Humidity
Chemical resistance	Oils Grease Fuels Aliphatic solvents Weak acids
Mechanical specifications	
Material thickness	1 mm
Material	Aluminum
Mounting type	adhesive
Mass	83 g / m

Refer to "General Notes Relating to Pepperl+Fuchs Product Information"

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### Metal code bar

## Technical Data

Manufacturing tolerance

± 1 mm/m

## Mounting

### Preparing the Base Surface

- 1. Use clean cleaning cloths (free from lint and plasticizers) to clean the surfaces.
- 2. Use cleaning agents appropriate for the level of surface contamination, for example n-Heptane, ethanol, or a 50:50 mixture of isopropanol and water.
- 3. Clean the surface until it is completely dry and free of dust, oil, oxides, release agents, and other contaminants.

4. Ensure that the surface is dry, clean, and stable.

#### Adhesive Strength

Metal	Material with high-energy surfaces	Material with low-energy surfaces
33 N/25 mm	32 N/25 mm	31 N/25 mm

Material thickness: 1 mm code bar + 0.13 mm adhesive

#### **Processing Instructions**

During bonding, the pressure should be as high as possible, and the temperature should be at least +10 °C. The higher the pressure and temperature, the better the adhesive will penetrate the pores of the base surface. This allows higher adhesive strength values to be achieved. It takes approx. 72 hours for the adhesive to cure.

## Type Code

### Structure of the type code

		-					-	-				-						-	-	-	_	-			-		
Ρ	G	V	(1)	(1)	(1)	(1)	(1)	(1)	Μ	-	С	Α	М	(2)	(3)	(3)	х	(4)	(4)	(4)	-	(5)	(5)	(5)	(5)	(5)	(5)

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### Accessories

	PGV-PR-GM-CLOSE100	Countersunk rail for mounting in a floor groove
17	PGV-PR-GM-CLOSE200	Countersunk rail for mounting in a floor groove

1

## Metal code bar

Acces	sories	
	PGV-PR-GM-CLOSE500	Countersunk rail for mounting in a floor groove
	PGV-PR-GM-CONT100	Countersunk rail for realization of continuous tracks
	PGV-PR-GM-CONT200	Countersunk rail for realization of continuous tracks
	PGV-PR-GM-CONT500	Countersunk rail for realization of continuous tracks
	PGV-PR-GM-END	Countersunk rail to end continuous tracks
	PGV-PR-GM-START	Countersunk rail for starting continuous tracks
1.5	PGV-PR-SM-CLOSE100	Drive-over rail to mounting on the floor
1	PGV-PR-SM-CLOSE200	Drive-over rail to mounting on the floor
/	PGV-PR-SM-CLOSE500	Drive-over rail to mounting on the floor
T. C.	PGV-PR-SM-CONT100	Drive-over rail to realize endless tracks
/	PGV-PR-SM-CONT200	Drive-over rail to realize endless tracks
	PGV-PR-SM-CONT500	Drive-over rail to realize endless tracks
AN CONTRACT	PGV-PR-SM-END	Drive-over rail to end continuous tracks
~~~	PGV-PR-SM-START	Drive-over rail for starting continuous tracks