

The **Gumacon®** concrete speed humps are based on the successful shapes of the Gumatec® speed calming series.

This new Gumacon® speed hump is multifunctional, designed specifically for urban environments, aiming to slow residential traffic without impeding emergency response vehicles and public transport.

This design is highly qualified for road narrowings and is the ideal combination for different traffic streams without concessions on safety, durability and user-friendliness.

This inventive, patented Dutch product is highly corrosion resistant. The integrated slope marking consists for 80% of glass beads and ensures years of good visibility, independent of whatever state the weather might be. The hump surface gets sand-blasted directly after production, ensuring a rigid foundation which guarantees a secure road surface.

The model of the Gumacon® speed hump is based upon innovative ideas which reduce the pressure upon the humps' fragile connections between the concrete elements and the asphalt or brick pavement.

The Gumacon® speed hump is also available in red against delivery time and additional costs.

The extraordinary shapes of this superior speed hump guarantee:

- Bus friendliness
- Good visibility due to retro reflective marking in light colour
- Lower noise and vibration nuisance
- Dynamic speed control
- Better acceptance by all road users
- Easy maintenance
- Evidently less corrosion to a cars' most vital safety parts such as its shock softening and steering gear



Advice and suggestions

The Gumacon® concrete hump requires an extended and free of charge situation analysis. The potential locations are to be judged beforehand by traffic experts.

Technical specifications

Type

Gumacon® 30 and 50 km/h

Colour	Anthracite (red with delivery time)
Skid resistance at delivery	Lerux 63
Concrete quality	Gravel concrete B55/NEN 5950 Flexural strength 6 N/mm ²
Steel reinforcement	Cross network steel FEB 55 HKN
Lifting tubes	Steel (oval) with welded anchors
Weight per element	1900 kg (30 km/h) 1700 kg (50 km/h)
Weight per hump	3800 kg (30 km/h) 3400 kg (50 km/h)

Underground requirement

Minimum bedding constant	0,06 N/mm ³ (15% CBR)
Proctor value (compactness)	98 till 100%
Advised bedding material	Sharp sand / boilersand or similar

Dimensions of concrete plate (base)

– length x width 30 km/h	1996 x 2246 mm
– length x width 50 km/h	1996 x 1996 mm
– height of hump increase	7,5 cm
– installation thickness	16 cm
– total thickness	23,5 cm
– dimensions for 30 km/h	3992 x 2246 mm
– dimensions for 50 km/h	3992 x 1996 mm
– asphalt saw sizes	See special info

Tolerances on plate size

– length and width	+3 mm till –3 mm
– thickness	+5 mm till –1 mm
– warpage	Maximum 5 mm

Dimensions hump

– length x width 30 km/h	190 x 345 cm
– length x width 50 km/h	163 x 345 cm

Slopemarking

Following CROW rules

Material for slopemarking
Glaspearls 80%



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