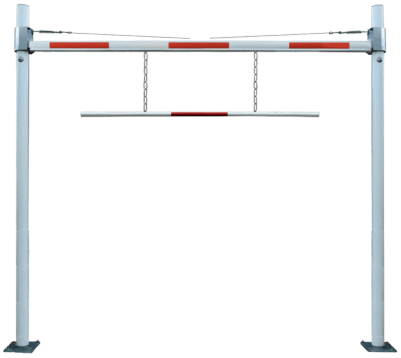
Height Restrictors · Fixed Height Restrictors

Fixed Height Restrictor HBS 100 Portal clearance up to 3.8 m

The HBS 100 Portal fixed height restrictor is a portal frame with two posts and a barrier beam that shows drivers the clearance height and stops over-height vehicles from entering.









KEY FACTS

Width	3000–10000 mm
Finish	Hot-Dip Galvanized / Galvanized, Hot-dip galvanized and painted
Overall Height	4000 mm
Maximum Drive-Under Height	3800 mm
Variants	20 in 2 lines

- Clearance height adjustable up to 3.8 m, overall height 4.0 m above ground
- Two steel tube posts, Ø 101.6 × 2.9 mm
- Aluminum barrier beam, 86 × 46 mm, with anti-sit protection and a slot for signs and advertising
- Beam in one piece up to 5,000 mm and multi-section from 6,000 mm
- Cable reinforcement from a width of 7,000 mm

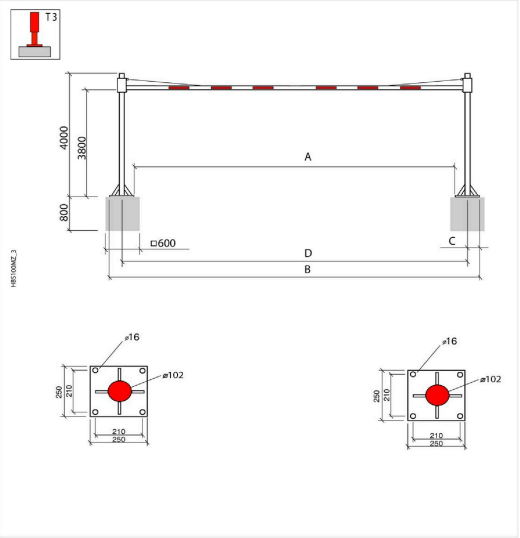
DESCRIPTION

The clearance can be set up to 3.8 m and the overall height is 4.0 m. The portal is designed for outdoor installation, for example at car park entrances, freight terminals and loading bays, and at fuel stations.

FEATURES

- Available in white with red reflectors or hot-dip galvanized with red and white reflectors
- Bolted down via base plates, screwed onto a cast-in mounting cage or cast in

DIMENSIONS



SUITABLE FOR THESE ENVIRONMENTS

- Outdoor parking
- Freight terminals & loading bays
- Petrol stations

VARIANTS

Fixed height restrictor HBS 100 Portal - white/red

Item no.	Width	Finish
HBS100-10000-RW	10000 mm	Hot-dip galvanized and painted
HBS100-3000-RW	3000 mm	Hot-dip galvanized and painted
HBS100-3500-RW	3500 mm	Hot-dip galvanized and painted
HBS100-4000-RW	4000 mm	Hot-dip galvanized and painted
HBS100-4500-RW	4500 mm	Hot-dip galvanized and painted
HBS100-5000-RW	5000 mm	Hot-dip galvanized and painted
HBS100-6000-RW	6000 mm	Hot-dip galvanized and painted
HBS100-7000-RW	7000 mm	Hot-dip galvanized and painted
HBS100-8000-RW	8000 mm	Hot-dip galvanized and painted
HBS100-9000-RW	9000 mm	Hot-dip galvanized and painted

Fixed height restrictor HBS 100 Portal - hot-dip galvanized

Item no.	Width	Finish
HBS100-10000-VZ	10000 mm	Hot-Dip Galvanized / Galvanized
HBS100-3000-VZ	3000 mm	Hot-Dip Galvanized / Galvanized
HBS100-3500-VZ	3500 mm	Hot-Dip Galvanized / Galvanized
HBS100-4000-VZ	4000 mm	Hot-Dip Galvanized / Galvanized
HBS100-4500-VZ	4500 mm	Hot-Dip Galvanized / Galvanized
HBS100-5000-VZ	5000 mm	Hot-Dip Galvanized / Galvanized
HBS100-6000-VZ	6000 mm	Hot-Dip Galvanized / Galvanized
HBS100-7000-VZ	7000 mm	Hot-Dip Galvanized / Galvanized
HBS100-8000-VZ	8000 mm	Hot-Dip Galvanized / Galvanized
HBS100-9000-VZ	9000 mm	Hot-Dip Galvanized / Galvanized

TECHNICAL DATA

Material	Steel and aluminum
Boom Dimensions	86 x 46 mm
Post Diameter	101.6 mm
Floor Plate Dimensions	250 x 250 mm
Mounting Hardware	Anchored

MOUNTING AND FIXING

The posts have 250 × 250 mm base plates and can be mounted in three ways: bolted down with anchors into existing concrete, screwed onto a cast-in mounting cage or cast in directly using an extended post tube. Mounting cages and heavy-duty anchors are available as accessories. A hanging boom on chains or a banner can be fitted beneath the beam as an accessory. Mounting instructions and the foundation plan are available under the Documents and certificates tab.

MATERIAL AND DURABILITY

All steel parts are hot-dip galvanized and, in the white design, additionally polyester-coated in RAL 9010. The posts are made of steel tube and the barrier beam of aluminum profile. From 7,000 mm the beam is reinforced with a cable.

FREQUENTLY ASKED QUESTIONS

What is the difference between the HBS 100 and the swing models HBS 50 and HBS 54?
The HBS 100 is a fixed portal with two posts and cannot be opened. The HBS 50 and HBS 54 have a boom on a pivot post that can be swung aside when a taller vehicle needs to enter.

How is the clearance height adjusted?
The beam brackets are moved along the posts. The clearance height can be set up to 3.8 m.

How is the portal mounted?
It is bolted down via 250 × 250 mm base plates, screwed onto a cast-in mounting cage or cast in. Foundation plans for bolt-down and cast-in mounting are available under the Documents and certificates tab.

Can I put signs on the beam?
Yes. The beam has a slot on the underside for signs and advertising, and sign holders are available as accessories.

All documents, prices and stock status are on the product page
nordguard.eu/product/fixed-height-restrictor-hbs-100-portal-clearance-up-to-3-8-m
Questions? Call +46 10 153 90 50 on weekdays 07:30–17:00 (CET) or email info@nordguard.eu