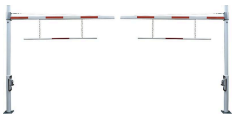
Swing-Arm Height Restrictor HBS 50 clearance up to 2.8 m

The HBS 50 swing-arm height restrictor is a barrier arm on a pivot post that shows drivers the clearance height and prevents over-height vehicles from entering.









KEY FACTS

Width	2500–12000 mm
Finish	Hot-Dip Galvanized / Galvanized, Hot-dip galvanized and painted
Overall Height	3000 mm
Maximum Drive-Under Height	2800 mm
Variants	28 in 2 lines
Weight	63–420 kg

- Clearance height adjustable up to 2.8 m, overall height 3.0 m above ground
- The arm swings horizontally and can be locked in 90° steps at the main post
- Stainless steel turning handle at an operating height of 0.7 m above ground
- Aluminum barrier arm, 86 × 46 mm, with a slot for signs and advertising
- Wire rope reinforcement with turnbuckle from a width of 3,500 mm

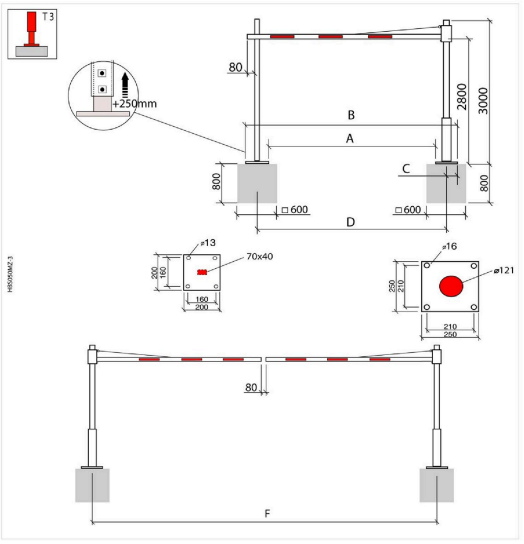
DESCRIPTION

The clearance can be set up to 2.8 m and the overall height is 3.0 m. When a taller vehicle needs to be let in, the arm is swung aside by hand. The height restrictor is designed for outdoor installation, for example at car park entrances, freight terminals and loading bays, and at fuel stations.

FEATURES

- Support post 70 × 40 × 3 mm for the free end of the arm, height-adjustable +250/−0 mm
- Lockable with a padlock or, as an option, with a fire brigade triangle lock or a profile cylinder with automatic locking
- Available in white with red reflectors or hot-dip galvanized with red and white reflectors
- Bolted down via a base plate or cast-in

DIMENSIONS



SUITABLE FOR THESE ENVIRONMENTS

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

VARIANTS

Swing Height Restrictor HBS 50 - two opposing units

Item no.	Width	Finish	Weight
HBS50-10000-RW	10000 mm	Hot-dip galvanized and painted	420 kg
HBS50-10000-VZ	10000 mm	Hot-Dip Galvanized / Galvanized	420 kg
HBS50-11000-RW	11000 mm	Hot-dip galvanized and painted	420 kg
HBS50-11000-VZ	11000 mm	Hot-Dip Galvanized / Galvanized	420 kg
HBS50-12000-RW	12000 mm	Hot-dip galvanized and painted	420 kg
HBS50-12000-VZ	12000 mm	Hot-Dip Galvanized / Galvanized	420 kg
HBS50-7000-RW	7000 mm	Hot-dip galvanized and painted	420 kg
HBS50-7000-VZ	7000 mm	Hot-Dip Galvanized / Galvanized	420 kg
HBS50-8000-RW	8000 mm	Hot-dip galvanized and painted	420 kg
HBS50-8000-VZ	8000 mm	Hot-Dip Galvanized / Galvanized	420 kg
HBS50-9000-RW	9000 mm	Hot-dip galvanized and painted	420 kg
HBS50-9000-VZ	9000 mm	Hot-Dip Galvanized / Galvanized	420 kg

Swing Height Restrictor HBS 50 - single unit

Item no.	Width	Finish	Weight
HBS50-2500-RW	2500 mm	Hot-dip galvanized and painted	210 kg
HBS50-2500-VZ	2500 mm	Hot-Dip Galvanized / Galvanized	210 kg
HBS50-3000-RW	3000 mm	Hot-dip galvanized and painted	63 kg
HBS50-3000-VZ	3000 mm	Hot-Dip Galvanized / Galvanized	63 kg
HBS50-3500-RW	3500 mm	Hot-dip galvanized and painted	210 kg
HBS50-3500-VZ	3500 mm	Hot-Dip Galvanized / Galvanized	210 kg
HBS50-4000-RW	4000 mm	Hot-dip galvanized and painted	210 kg
HBS50-4000-VZ	4000 mm	Hot-Dip Galvanized / Galvanized	210 kg
HBS50-4500-RW	4500 mm	Hot-dip galvanized and painted	210 kg
HBS50-4500-VZ	4500 mm	Hot-Dip Galvanized / Galvanized	210 kg
HBS50-5000-RW	5000 mm	Hot-dip galvanized and painted	210 kg
HBS50-5000-VZ	5000 mm	Hot-Dip Galvanized / Galvanized	210 kg
HBS50-5500-RW	5500 mm	Hot-dip galvanized and painted	210 kg
HBS50-5500-VZ	5500 mm	Hot-Dip Galvanized / Galvanized	210 kg
HBS50-6000-RW	6000 mm	Hot-dip galvanized and painted	210 kg
HBS50-6000-VZ	6000 mm	Hot-Dip Galvanized / Galvanized	210 kg

TECHNICAL DATA

Material	Steel and aluminum	Boom Dimensions	86 x 46 mm
Pivot Post Diameter	121 mm	Floor Plate Dimensions	250 x 250 mm
Mounting Hardware	Anchored	Locking Mechanism	Padlock
Retroreflective Ring Color	Red		

MOUNTING AND FIXING

The height restrictor is bolted to the surface via a 250 × 250 mm base plate with a 210 × 210 mm hole pattern, or cast-in. For cast-in mounting in a new foundation, an anchor cage is available as an accessory. The arm is turned using the turning handle, positioned 0.7 m above ground, and locked in the desired position with a padlock. Options include a lock housing with profile cylinder, a fire brigade triangle lock to DIN 3223, and forced locking, where the key can only be removed in the closed position. A suspended bar hung on chains can be fitted beneath the arm as an accessory. Mounting instructions and foundation plans for both bolt-down and cast-in mounting can be found under the Documents and certificates tab.

MATERIAL AND DURABILITY

All steel parts are hot-dip galvanized and, in the white version, additionally polyester-coated in RAL 9010. The pivot post is made of steel tube, the barrier arm of aluminum profile and the turning handle of stainless steel. From a width of 3,500 mm, the arm is reinforced with a stainless steel wire rope and turnbuckle.

FREQUENTLY ASKED QUESTIONS

What is the difference between the HBS 50 and the HBS 54?
The height. The HBS 50 has an overall height of 3.0 m and a clearance of up to 2.8 m. The HBS 54 has an overall height of 4.0 m and a clearance of up to 3.8 m. The design is otherwise identical.

How is the arm locked?
With a padlock at the main post, in 90° steps. Optionally, a lock housing with profile cylinder or a fire brigade triangle lock with automatic locking is available.

Which design should I choose?
Both have the same hot-dip galvanized steel construction. The white version is additionally powder-coated in RAL 9010 and has red reflectors. The hot-dip galvanized version is unpainted and has red and white reflectors on the arm.

What if the entrance is wider than 6 meters?
Widths of 7,000–12,000 mm consist of two units positioned opposite each other that meet in the middle.

How is the height restrictor mounted?
It is bolted down via a 250 × 250 mm base plate with a 210 × 210 mm hole pattern, or cast-in. Foundation plans for both methods can be found under the Documents and certificates tab.

All documents, prices and stock status are on the product page

nordguard.eu/product/swing-arm-height-restrictor-hbs-50-clearance-up-to-2-8-m

Questions? Call +46 10 153 90 50 on weekdays 07:30–17:00 (CET) or email info@nordguard.eu