

## HR Scaffolding hook

The ideal interaction of the scaffold eyebolt and HRK plug allows for a high load-bearing capacity, thus providing increased safety.



### Product information

#### Features and benefits

- The high-quality weld stops the eye from opening.
- In order to achieve the maximum load-bearing capacity, nylon plugs should only be used once.

#### Applications

- Scaffolding

#### Base materials

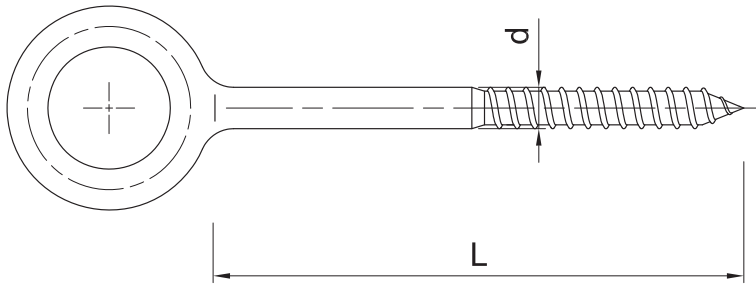
##### Suitable for use in

- Concrete
- Solid Brick
- Natural Stone (after site testing)
- Solid Sand-lime Brick
- Vertically-perforated Clay Block

### Installation guide

1. Drill a hole of required diameter and depth
2. Insert HRK plug into hole and tap home.
3. Insert HR screw into plug and tighten.

## Product information



Size	Product Code	Diameter		Length	
		d	L	[mm]	
Ø14	HR-12090	12	90		
	HR-12120	12	120		
	HR-12160	12	160		
	HR-12190	12	190		
	HR-12230	12	230		
	HR-12300	12	300		
	HR-12350	12	350		

## Installation data

Size	Ø14		
Hole diameter in substrate	$d_0$	[mm]	14
Min. hole depth in substrate	$h_0$	[mm]	80
Min. installation depth	$h_{nom}$	[mm]	70
Min. substrate thickness	$h_{min}$	[mm]	100
Min. spacing	$s_{min}$	[mm]	70
Min. edge distance	$c_{min}$	[mm]	70
Fixing diameter	d	[mm]	14
Screw diameter	d	[mm]	12

## Basic performance data

Performance data for single fixing without influence of edge distance and spacing

Substrate		Concrete C20/25 - C50/60	Solid brick 15MPa	Perforated brick (eg. Porotherm) 400	Aerated concrete 600 Mark V
<b>CHARACTERISTIC LOAD <math>F_{Rk}</math></b>					
Ø14, Embedment depth 70mm	[kN]	16.20	10.30	1.00	4.00
<b>DESIGN LOAD <math>F_{Rd}</math></b>					
Ø14, Embedment depth 70mm	[kN]	8.10	5.15	0.50	2.00
<b>RECOMMENDED LOAD <math>F_{rec}</math></b>					
Ø14, Embedment depth 70mm	[kN]	5.79	3.68	0.36	1.43

## Product commercial data

Size	Product Code	Diameter [mm]	Length [mm]	Quantity [pcs]			Weight [kg]			Bar Codes
				Box	Outer	Pallet	Box	Outer	Pallet	
Ø14	HR-12090	12	90	25	25	2875	3.8	3.8	461.8	5906675730622
	HR-12120	12	120	25	25	2000	4.4	4.4	381.4	5906675730820
	HR-12160	12	160	25	25	2300	5.2	5.2	507.7	5906675731025
	HR-12190	12	190	25	25	2100	5.9	5.9	521.4	5906675731223
	HR-12230	12	230	25	25	3500	6.5	6.5	937.6	5906675731421
	HR-12300	12	300	25	25	3200	8.2	8.2	1077.3	5906675731629
	HR-12350	12	350	25	25	2025	9.3	9.3	784.9	5906675731827