

HR + HRK Scaffolding hook with plug



BASIC PRODUCT INFORMATION

BASE MATERIAL:

- Concrete C20/25
- Solid brick 15MPa
- Aerated concrete 600
- Porotherm 400

FEATURES:

- **PLUG:** Polypropylene
- **SCAFFOLDING HOOK:** carbon steel, zinc electroplated

APPLICATION:

- Installation of scaffoldings construction

INSTALLATION DATA

Size	Product code	Plug		Hook screw	
		Diameter	Length	Diameter	Length
		d [mm]	l [mm]	D [mm]	L [mm]
SCAFFOLDING HOOK					
ø12	HR-12120	-	-	12,0	120
	HR-12160	-	-	12,0	160
	HR-12190	-	-	12,0	190
	HR-12230	-	-	12,0	230
	HR-12300	-	-	12,0	300
	HE-12350	-	-	12,0	350
PLUG					
ø14	HRK-14070	14	70	-	-
	HRK-14100	14	100	-	-
	HRK-14135	14	135	-	-

Size	Product code	Substrate						Fixture
		Hole diameter	Min. thickness	Min. hole depth	Installation depth	Min. spacing	Min. edge distance	Max. distance
		d ₀ [mm]	h _{min} [mm]	h ₀ [mm]	h _{nom} [mm]	s _{min} [mm]	c _{min} [mm]	t _{fix} [mm]
SCAFFOLDING HOOK								
ø12	HR-12120	14	100	80	70	70	70	40
	HR-12160	14	100	80	70	70	70	80
	HR-12190	14	100	80	70	70	70	110
	HR-12230	14	100	80	70	70	70	150
	HR-12300	14	100	80	70	70	70	220
	HE-12350	14	100	80	70	70	70	270

	HR + HRK Scaffolding hook with plug			CERTIFICATE N°		02/103/001/2011/TDS		
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					CHECKED:	A. M. , T. Sz.	DATE:	2011-09-22

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Size	Product code	Substrate						Fixture
		Hole diameter	Min. thickness	Min. hole depth	Installation depth	Min. spacing	Min. edge distance	Max. distance
		d_0 [mm]	h_{min} [mm]	h_0 [mm]	h_{nom} [mm]	s_{min} [mm]	c_{min} [mm]	t_{fix} [mm]
PLUG								
ø14	HRK-14070	14	100	80	70	70	70	-
	HRK-14100	14	100	80	70	70	70	-
	HRK-14135	14	100	80	70	70	70	-

BASIC PERFORMANCE DATA

Performance data for single scaffolding hook without influence of edge distance and spacing.

MEAN ULTIMATE LOAD

Substrate	Concrete	Solid brick	Aerated concrete	Porotherm
TENSION LOAD				
Embedment depth 70mm	17,85	11,90	4,45	1,15

CHARACTERISTIC LOAD


Substrate	Concrete	Solid brick	Aerated concrete	Porotherm
TENSION LOAD				
Embedment depth 70mm	16,20	10,30	4,00	1,00

DESIGN LOAD

Substrate	Concrete	Solid brick	Aerated concrete	Porotherm
TENSION LOAD				
Embedment depth 70mm	8,10	5,15	2,00	0,50

RECOMMENDED LOAD

Substrate	Concrete	Solid brick	Aerated concrete	Porotherm
TENSION LOAD				
Embedment depth 70mm	5,79	3,68	1,43	0,36

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