

INSTALLATION DATA


Size	Product Code	Plug		Screw - hook		Substrate						Fixture	
		Diameter	Length	Diameter	Length	Hole diameter	Min thickness	Min hole depth	Min installation depth	Min spacing	Min edge distance	Thickness / Distance	Hole diameter
		d	l	D	L	d ₀	h _{min}	h ₀	h _{nom}	s _{min}	c _{min}	t _{fix}	d _f
		[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
SCAFFOLDING HOOK													
Ø12	HR-12120	-	-	12,0	120	14	100	80	70	70	70	40	-
	HR-12160	-	-	12,0	160	14	100	80	70	70	70	80	-
	HR-12190	-	-	12,0	190	14	100	80	70	70	70	110	-
	HR-12230	-	-	12,0	230	14	100	80	70	70	70	150	-
	HR-12300	-	-	12,0	300	14	100	80	70	70	70	220	-
	HE-12350	-	-	12,0	350	14	100	80	70	70	70	270	-
EXPANSION PLUG													
Ø14	HRK-14070	14	70	-	-	14	100	80	70	70	70	-	-
	HRK-14100	14	100	-	-	14	100	80	70	70	70	-	-
	HRK-14135	14	135	-	-	14	100	80	70	70	70	-	-



Base Material
Concrete C20/25
Solid brick 15MPa
Aerated concrete 600
Structural clay tile (Porotherm 400)
Features
PLUG
Polypropylene
HOOK
Steel zinc electroplated

PERFORMANCE DATA

Substrate	Concrete		Solid brick	Aerated concrete	Structural clay tile
Embedment depth	h _{ef}	[mm]	70,00	70,00	70,00
TENSION LOADS					
Characteristic resistance	N _{Rk}	[kN]	16,20	10,30	4,00
Design resistance γ _M = 2,0	N _{Rd}	[kN]	8,10	5,15	2,00

	HR + HRK Scaffolding hook with expansion plug			
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