HA 8 NG

METAL LIGHT DUTY

Technical Datasheet

Update: Jan-23

HA 8 NG Light duty metal anchors

Hook and ring anchor

Anchor version		Benefits
	HA 8 NG R1	- Well proven - Easy-setting - Follow-up expansion - Hook and ring head available
	HA 8 NG H1	

Base material	Load conditions
	
Concrete (non-cracked)	Static/ quasi-static

Installation conditions

Hammer drilled holes

Basic loading data (for a single anchor)

All data in this section applies to:

- Correct setting (See setting instruction)
- No edge distance and spacing influence
- Values are only valid for tensile loading
- Concrete C20/25 ($f_{ck,cube}$ = 25 N/mm²) - C50/60 ($f_{ck,cube}$ = 60 N/mm²)

Concrete			Non-cracked
Tensile	N_{rec}	[kN]	0,8

Materials

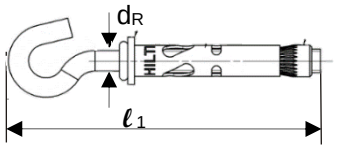
Anchor size			HA 8 NG bolt
Nominal tensile strength	f_{uk}	[N/mm²]	520
Yield strength	f_{yk}	[N/mm²]	450

Material quality

Part	Material
Expansion sleeve	Carbon steel, galvanized to min. 5 µm
Bolt	Carbon steel, galvanized to min. 5 µm

Anchor dimensions

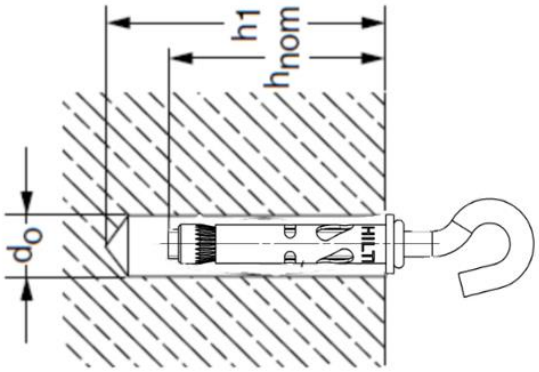
Anchor size			HA 8 NG
Bolt diameter	d_R	[mm]	5.4
Length of the anchor	l_1	[mm]	76



Setting information

Setting details

Anchor size			HA 8 NG
Nominal diameter of drill bit	d_o	[mm]	8
Cutting diameter of drill bit	$d_{cut} \leq$	[mm]	8,45
Depth of drill hole	$h_1 \geq$	[mm]	55
Effective anchorage depth	h_{ef}	[mm]	35

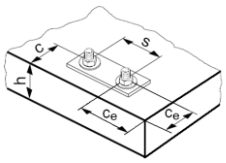


Installation equipment

Anchor size	HA 8 NG
Rotary hammer	TE2 – TE16
Other tools	Hammer, blow out pump

Setting parameters

Anchor size			HA 8 NG
Minimum base material thickness	h_{min}	[mm]	100
Minimum spacing	s	[mm]	200
Minimum edge distance	c	[mm]	100
Minimum edge distance at the corner	c_e	[mm]	150



Setting instruction

***For detailed information on installation see instruction for use given with the package of the product.**