


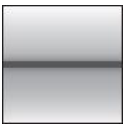




# HA 8 NG Light duty metal anchors

## Hook and ring anchor

Anchor version	Benefits
 HA 8 NG R1	<ul style="list-style-type: none"><li>- Well proven</li><li>- Easy-setting</li><li>- Follow-up expansion</li><li>- Hook and ring head available</li></ul>
 HA 8 NG H1	

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

Installation conditions
 <p>Hammer drilled holes</p>

### 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 to C50/60

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

### Materials

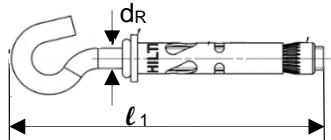
Anchor size		HA 8 NG bolt
Nominal tensile strength	$f_{uk}$ [N/mm <sup>2</sup> ]	520
Yield strength	$f_{yk}$ [N/mm <sup>2</sup> ]	450

### Material quality

Part	Material
Expansion sleeve	Carbon steel, galvanized to min. 5 $\mu$ m
Bolt	Carbon steel, galvanized to min. 5 $\mu$ m

### Anchor dimensions

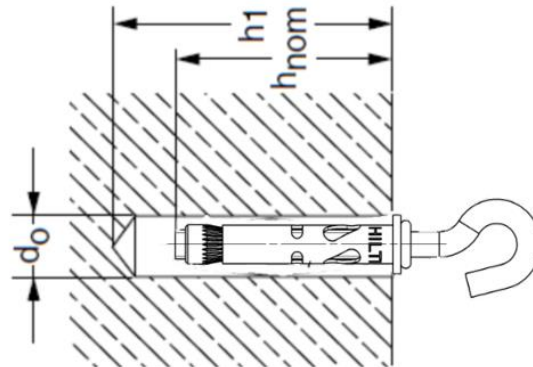
Anchor size		HA 8 NG
Bolt diameter	$d_R$ [mm]	5.4
Length of the anchor	$l_1$ [mm]	76



## 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

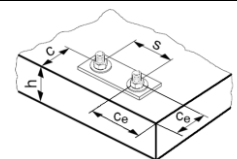


### Installation equipment

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.

