

# HSL4 M10 PAX85

# Product Technical Datasheet Steel-to-concrete Update: June 25





# **HSL4 M10 PAX85**

## High-performance heavy-duty anchor

Anchor



#### **Benefits**

- High loading capacity
- Suitable for uncracked hollow core slabs **VBI A200**

HSL4 M10 PAX85



#### **Base material**





Concrete (uncracked)

Hollow core slabs

#### Drilling, cleaning, setting





Hammer

Impact wrench drilled holes with adaptative torque module

#### Load conditions



Static/ quasi-static

#### Other information



Hilti Technical data



#### Instructions for use and Hilti webpage

The instructions for use can be viewed using the link in the instructions for use table or the QR code/link in the Hilti webpage table.

#### Instructions for use (IFU)

Anchor size	M10
IFU	IFU HSL4 M10 PAX85

#### Link to Hilti Webpage

HSL4 M10 PAX85	



#### Basic loading data as per Hilti Technical data.

#### All data in this section applies to:

- Correct setting (see Instructions for use (IFU))
- Single anchor
- Hammer drilled holes
- No edge distance and spacing influence (Tension load:  $c \ge c_{min}$  and  $s \ge s_{min}$ ) (Shear load:  $c \ge 10^{*}h_{ef}$ ,  $s \ge 3^{*}c$ )
- Hollow concrete slabs VBI A200, f<sub>ck,cube</sub> ≥ 55 N/mm<sup>2</sup>
- Minimum concrete flange thickness (see setting information table)
- Embedment depth, as specified in the table of this section
- Recommended loads: With overall partial safety factor for action  $\gamma = 1,4$ .

#### **Design resistance**

Anchor size			HSL4 M10 PAX85	
Effective anchorage depth	h <sub>ef</sub>	[mm]	≥ 35	
Uncracked pre-stressed hollow core slabs (VBI A200)				
Tension	$N_{Rd}$	[kN]	8,4	
Shear	$V_{Rd}$	[kN]	13,3	

#### **Recommended loads**

Anchor size			HSL4 M10 PAX85		
Effective anchorage depth	h <sub>ef</sub>	[mm]	≥ 35		
Uncracked pre-stressed hollow core slabs (VBI A200)					
Tension	N <sub>rec</sub>	[kN]	6,0		
Shear	V <sub>rec</sub>	[kN]	9,5		



#### **Setting information**

Anchor size		HSL4 M10 PAX85	
Nominal diameter of drill bit	$d_0$	[mm]	15
Minimum Concrete flange thickness	db	[mm]	35 mm
Installation torque	Tinst	[Nm]	80
Fixture thickness	t <sub>fix</sub>	[mm]	5 - 15
Minimum spacing	S <sub>min</sub>	[mm]	200
Minimum edge distance	Cmin	[mm]	100

Minimum edge distance in the corner and in line to the hollow cores is 200 mm.



Minimum Concrete flange thickness. ( Please see the IFU section for more details )







### Drilling and Installation equipment

### For detailed setting information on installation ,see instructions for use given with the product.

Rotary Hammers (Corded and Cordless)	TE 2 - TE 30
Other tools	Torque Impact wrench with AT module SIW 6AT-22 & SI-AT-22 SIW 4AT-22 & SI-AT-22
	Hammer drill bit TE-CX, TE-C