



HLC Light duty metal anchors



Basic loading data (for a single anchor)

All data in this section is Hilti technical data and applies to:

- Correct setting (See setting instruction)
- No edge distance and spacing influence
- Concrete as specified in the table
- *Steel* failure
- Minimum base material thickness
- Concrete C 20/25, $f_{ck,cube} = 25 \text{ N/mm}^2$

Effective anchorage depth

Anchor size	M5	M6	M8	M10	M12	M16
Effective anchorage depth h_{ef} [mm]	16	26	31	33	41	41

Recommended Loads: (1)

Anchor size	M5	M6	M8	M10	M12	M16
Tension N_{Rd} [kN]	0,8	1,4	1,8	2,9	4,0	5,3
Shear V_{Rd} [kN]	1,3	2,8	3,5	5,7	7,9	7,9

(1) : With overall partial safety factor for action $\gamma = 1,4$. The partial safety factors for action depend on the type of loading and shall be taken from national regulations.