

HKD Flush anchor



Static resistance

All data in this section 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, $f_{t,cr,cte} = 25 \text{ N/mm}^2$
- Screw or rod with steel grade 5.8 (carbon steel) and / or A4-70 (stainless steel)

Effective anchorage depth for static

Anchor size	M6	M8	M10	M12	M6	M8	M8	M10	M10	M12	M16	M20		
Eff. anchorage depth range	h_{ef}	[mm]	25	25	25	25	30	30	40	30	40	50	65	80

Recommended Loads: (1)

Anchor size		Hilti technical data				ETA-02/0032, issued 2015-01-07							
		M6x25	M8x25	M10x25	M12x25	M6x30	M8x30	M8x40	M10x30	M10x40	M12x50	M16x65	M20x80
Tension N_{Rd}	HKD	3,0	3,0	3,0	3,0	-	3,9	4,3	3,9	6,1	8,5	12,6	17,2
	HKD-S, HKD-E	2,1	-	-	-	3,3	3,3	3,6	3,3	5,1	7,1	12,6	17,2
	HKD-SR, HKD-ER	2,1	-	-	-	3,3	3,3	-	-	5,1	7,1	12,6	17,2
Shear V_{Rd}	HKD	2,9	3,0	3,0	3,0	-	4,9	5,2	5,7	6,3	10,5	19,3	28,3
	HKD-S, HKD-E	2,8	-	-	-	2,8	3,9	4,2	3,9	4,6	8,1	12,5	19,8
	HKD-SR, HKD-ER	2,9	-	-	-	3,0	3,9	-	-	4,9	8,8	15,1	24,0

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