

LOADS

Hollow-ceiling anchor FHY zinc plated steel

Highest permissible loads¹⁾³⁾ for a single anchor in pre-stressed hollow-core concrete slabs of strength class \geq C45/55.

Type	Bottom flange thickness d_u [mm]	Installation torque T_{inst} [Nm]	Permissible load $F_{perm}^{2)}$ [kN]	Required edge distance (with one edge) for max. load [mm]	Min. spacing $s_{min}^{4)}$ [mm]	Min. edge distance $c_{min}^{4)}$ [mm]
FHY M6	25 - 29	10	0,7	150	70	100
	30 - 39		0,9		80	
	≥ 40		2,0		100	
FHY M8	25 - 29	10	0,7		70	
	30 - 39		0,9		80	
	≥ 40		2,0		100	
FHY M10	30 - 39	20	1,2		80	
	≥ 40		3,0		100	

For the design the complete approval Z-21.1-1711 has to be considered.

¹⁾ The required safety factors as regulated in the approval are considered.

²⁾ Valid for tensile load, shear load and oblique load under any angle. For combinations of tensile loads, shear loads, bending moments as well as reduced edge distances or spacings (anchor groups) see approval.

³⁾ For screw strength class 4.6.

⁴⁾ Minimum possible axial spacings resp. edge distance while reducing the permissible load.

LOADS

Hollow-ceiling anchor FHY stainless steel A4

Highest recommended loads ^{1) 3)} for a single anchor in pre-stressed hollow-core concrete slabs of strength class \geq C45/55

Type	Bottom flange thickness d_u [mm]	Installation torque T_{inst} [Nm]	Recommended load $F_{rec}^{2)}$ [kN]	Required edge distance (with one edge) for Max. load [mm]	Min. spacing $s_{min}^{4)}$ [mm]	Min. edge distance $c_{min}^{4)}$ [mm]
FHY M6 A4	25 - 29	10	0,7	150	70	100
	30 - 39		0,9		80	
	≥ 40		2,0		100	
FHY M8 A4	25 - 29	10	0,7		70	
	30 - 39		0,9		80	
	≥ 40		2,0		100	
FHY M10 A4	30 - 39	20	1,2	80		
	≥ 40		3,0	100		

¹⁾ Required safety factors are considered.

²⁾ Valid for tensile load, shear load and oblique load under any angle.

³⁾ For screw strength class A4-70.

⁴⁾ Minimum possible axial spacings resp. edge distance while reducing the permissible load.