LOADS

Hollow-ceiling anchor FHY (screw with grade 5.8)

Highest permissible loads[1] for a single anchor in pre-stressed hollow-core concrete slabs of strength class ≥ B55 resp. C45/55.
For the design the complete approval Z-21.1-1711 has to be considered.

				Pre-stressed hollow-core concrete slabs		
Type	**Web thickness** d_u [mm]	**Min. anchorage depth** h_{ef} [mm]	**Torque moment** T_{inst} [Nm]	**Permissible load** F_{perm}[3] [kN]	**Min. spacing** s_{min}[2] [mm]	**Min. edge distance** c_{min}[2] [mm]
FHY M6	25 - 29	30	10,0	0,7	70	100
	30 - 39	30	10,0	0,9	80	100
	≥40	30	10,0	2,0	100	100
FHY M8	25 - 29	35	10,0	0,7	70	100
	30 - 39	35	10,0	0,9	80	100
	≥40	35	10,0	2,0	100	100
FHY M10	30 - 39	40	20,0	1,2	80	100
	≥40	40	20,0	3,0	100	100

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

[2] Minimum possible axial spacings resp. edge distance while reducing the permissible load.

[3] 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.

LOADS

Hollow-ceiling anchor FHY A4 (screw with grade A4-70)

Highest recommended loads[1] for a single anchor in pre-stressed hollow-core concrete slabs of strength class ≥ B55 resp. C45/55.

				Pre-stressed hollow-core concrete slabs		
Type	**Web thickness** d_u [mm]	**Min. anchorage depth** h_{ef} [mm]	**Torque moment** T_{inst} [Nm]	**Recommended load** F_{rec}[3] [kN]	**Min. spacing** s_{min}[2] [mm]	**Min. edge distance** c_{min}[2] [mm]
FHY M6 A4	25 - 29	30	10,0	0,7	70	100
	30 - 39	30	10,0	0,9	80	100
	≥40	30	10,0	2,0	100	100
FHY M8 A4	25 - 29	35	10,0	0,7	70	100
	30 - 39	35	10,0	0,9	80	100
	≥40	35	10,0	2,0	100	100
FHY M10 A4	30 - 39	40	20,0	1,2	80	100
	≥40	40	20,0	3,0	100	100

[1] Required safety factors are considered.

[2] Minimum possible axial spacings resp. edge distance while reducing the recommended load.

[3] Valid for tensile load, shear load and oblique load under any angle.