

Performance data						
Anchor diameter [mm], conical bolt			M6	M8	M10	M12
Permissible load Tensile, transverse, and oblique pull at any angle (steel, galv. Zn)	Pressure zone (uncracked aerated concrete)	F <sub>perm</sub> [kN] PB2	0.40	0.40	0.60	0.60
		F <sub>perm</sub> [kN] PB4	0.80	0.80	1.20	1.20
	Tensile zone (cracked aerated concrete)	F <sub>perm</sub> [kN] P3.3	0.60	0.60	0.80	0.80
		F <sub>perm</sub> [kN] P4.4	0.80	0.80	1.20	1.20
Ceiling applications in cracked aerated concrete in tensile zone range of roof and ceiling boards		F <sub>perm</sub> [kN] P3.3	0.60	0.60	0.80	0.80
		F <sub>perm</sub> [kN] P4.4	0.80	0.80	1.20	1.20
Anchor applications when using anchor pairs (per pair)		F <sub>perm</sub> [kN] P3.3	0.60	0.60	0.80	0.80
		F <sub>perm</sub> [kN] P4.4	0.80	0.80	1.20	1.20
Perm. bending moments (Type A / Type i) steel, galv. Zn		M <sub>perm</sub> [Nm]	6.97 / 4.35	10.70 / 10.70	21.40 / 21.40	- / 37.40
Fire-resistance duration						
Anchoring of light ceiling coverings and joist constructions (DIN 18168): Permissible load per anchor in aerated concrete of the strength class ≥ P3.3		Perm. F [kN] – F 90	0.35	0.45	0.80	0.80
		Perm. F [kN] – F 120	0.30	0.35	0.75	0.75
Anchoring of facadecoverings: <sup>1)</sup> Permissible load per anchor in aerated concrete of the strength class ≥ PB2, PP2 and ≥ P3.3		Perm. F [kN] – F 90	0.35	0.45	0.80	0.80
		Perm. F [kN] – F 120	0.30	0.35	0.75	0.75

Characteristic values					
Axial spacing	s ≥ [mm]	100	100	100	100
Edge spacing	a <sub>r</sub> ≥ [mm]	150	150	150	150
Tightening torque	T <sub>t</sub> [Nm]	3	5	8	8
Setting depth (Type A / Type i)	h <sub>s</sub> [mm]	70/70	70/70	70/80	-/80
Minimum component thickness	t ≥ [mm]	175	175	175	175
Nom. drill dia.	d <sub>dr</sub> [mm]	do not pre-drill	do not pre-drill	do not pre-drill	do not pre-drill
Hole dia. in comp. (Type A / Type i)	d <sub>com</sub> ≤ [mm]	7/7	9/9	12/12	-/14

Anchor dimensions					
Thread dia.	d <sub>thr</sub> [mm]	M6	M8	M10	M12
Max. fastening height (Type A / Type i)	d <sub>a</sub> [mm]	10/-	10/-	20/-	-/-
Screw-in depth (Type i)	[mm] – min.	6	8	10	12
	[mm] – max.	13	13	18	18
Type A outside thread Galvanized steel, blue passivated P. Qty. = 25	Art. No.	0905 710 610* (W-PA A M6-10)	0905 710 810* (W-PA A M8-10)	0905 711 020* (W-PA A M10-20)	
Setting tool (manual) P. Qty. = 1 for Type A outside thread	Art. No.	0905 79 001 (EWP 6-10)	0905 79 004 (EWP 8-10)	0905 79 008 (EWP 10-20)	
Setting tool (SDS) P. Qty. = 1 for Type A outside thread	Art. No.	0905 790 31 (EWP 6-10)	0905 790 34 (EWP 8-10)	0905 790 38 (EWP 10-20)	
Type i inside thread Galvanized steel, blue passivated P. Qty. = 25	Art. No.	0905 720 006* (W-PA i M6)	0905 720 008* (W-PA i M8)	0905 720 010* (W-PA i M10)	0905 720 012* (W-PA i M12)
Setting tool (manual) P. Qty. = 1 for Type i inside thread	Art. No.	0905 79 011 (EWP 6 i)	0905 79 012 (EWP 8 i)	0905 79 013 (EWP 10 i)	0905 79 013 (EWP 12 i)

