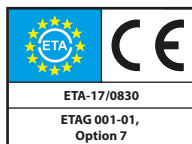




Features

- Approved by the building authorities
- Impact protection protects the thread
- Immediately load-bearing
- Two setting depths
- Setting depth marking for visual inspection of installation



Pack	Item No.	Type	Content Anchor	Anchor	Anchor length	Drive	Drill Ø	Drill hole depth	Effective anchorage depth	Fixture Thickness	Installation torque	Approval
		S-Fix Plus galvanised	per pack	metric	mm		d ₀ / d _f ø mm	h ₁ max / min mm	h _{ef} max / min mm	t _{fix} min / max mm	T _{inst} Nm	ETA
	042 101 02	M6 x 70/12	100x	M6	70	SW10	6 / 7	55 / -	40 / -	12 / -	7	■
	042 101 05	M8 x 60/3	100x	M8	60	SW13	8 / 9	- / 50	- / 35	- / 3	20	■
	042 101 07	M8 x 75/5+18	100x	M8	75	SW13	8 / 9	65 / 50	48 / 35	5 / 18	20	■
	042 101 09	M8 x 100/30+43	50x	M8	100	SW13	8 / 9	65 / 50	48 / 35	30 / 43	20	■
	042 101 11	M8 x 130/60+73	50x	M8	130	SW13	8 / 9	65 / 50	48 / 35	60 / 73	20	■
	042 101 19	M10 x 80/13	50x	M10	80	SW17	10 / 12	- / 60	- / 42	- / 13	35	■
	042 101 21	M10 x 100/20+33	50x	M10	100	SW17	10 / 12	75 / 60	55 / 42	20 / 33	35	■
	042 101 23	M10 x 120/40+53	25x	M10	120	SW17	10 / 12	75 / 60	55 / 42	40 / 53	35	■
	042 101 25	M10 x 140/60+73	25x	M10	140	SW17	10 / 12	75 / 60	55 / 42	60 / 73	35	■
	042 101 29	M12 x 100/8+23	25x	M12	100	SW19	12 / 14	85 / 70	65 / 50	8 / 23	60	■
	042 101 31	M12 x 110/18+33	25x	M12	110	SW19	12 / 14	85 / 70	65 / 50	18 / 33	60	■
	042 101 33	M12 x 140/48+63	25x	M12	140	SW19	12 / 14	85 / 70	65 / 50	48 / 63	60	■
	042 101 35	M12 x 160/68+83	25x	M12	160	SW19	12 / 14	85 / 70	65 / 50	68 / 83	60	■
	042 101 38	M12 x 180/88+103	20x	M12	180	SW19	12 / 14	85 / 70	65 / 50	88 / 103	60	■
	042 101 40	M12 x 220/128+143	20x	M12	220	SW19	12 / 14	85 / 70	65 / 50	128 / 143	60	■
	042 101 43	M16 x 125/3+22	20x	M16	125	SW24	16 / 18	110 / 90	84 / 65	3 / 22	120	■
	042 101 45	M16 x 145/23+42	10x	M16	145	SW24	16 / 18	110 / 90	84 / 65	23 / 43	120	■
	042 101 47	M16 x 170/48+67	10x	M16	170	SW24	16 / 18	110 / 90	84 / 65	48 / 67	120	■
	042 101 49	M16 x 195/73+92	10x	M16	195	SW24	16 / 18	110 / 90	84 / 65	73 / 92	120	■
	042 101 52	M20 x 170/23+49	10x	M20	170	SW30	20 / 22	135 / 107	75 / 103	23 / 49	240	■





S-Fix Plus galvanised	M6		M8		M10		M12		M16		M20	
		min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	
Effective anchoring depth	40 mm	35 mm	48 mm	42 mm	55 mm	50 mm	65 mm	65 mm	84 mm	75 mm	103 mm	
Permissible central tension load of an anchor without edge influence N_{rec}	380 kg	480 kg	660 kg	640 kg	900 kg	830 kg	1140 kg	1230 kg	1800 kg	1520 kg	2740 kg	
Permissible shear load of a single anchor without edge influence V_{rec}												
uncracked concrete C20/25	290 kg	490 kg	530 kg	840 kg	840 kg	1180 kg	1180 kg	2190 kg	2190 kg	3040 kg	3220 kg	
Installation characteristics												
minimum spacing s_{min}	35 mm	40 mm		50 mm		70 mm		90 mm		135 mm		
minimum edge distance c_{min}	35 mm	40 mm		50 mm		70 mm		90 mm		135 mm		
minimum member thickness h_{min}	100 mm	100 mm	100 mm	100 mm	110 mm	100 mm	130 mm	130 mm	168 mm	150 mm	206 mm	
Drill hole diameter d_0	6 mm	8 mm		10 mm		12 mm		16 mm		20 mm		
min. drill hole depth $h_1 \geq$	55 mm	50 mm	65 mm	60 mm	75 mm	70 mm	85 mm	90 mm	110 mm	107 mm	135 mm	
Clearance hole diameter $d_f \leq$	7 mm	9 mm		12 mm		14 mm		18 mm		22 mm		
Installation torque T_{inst}	7 Nm	20 Nm		35 Nm		60 Nm		120 Nm		240 Nm		

- When sizing, the entire declaration of performance of the S-Fix Plus must be observed
- The partial safety factors of the resistances and a partial safety factor of $\gamma_F = 1.4$ have been considered
- Approved plugs must be used for fixings where safety is of importance (see also www.tox.de/safety+loads)

Description & Area of Application

- Galvanised bolt anchor with long thread, washer and hexagonal nut
- Second anchoring depth enables the fixing of attachments with a wide range of thicknesses
- Torque-controlled anchor
- Small axis and edge distances for near-edge fixings and small anchor plates



Processing & Installation

- Use only in dry indoor areas
- The specified torque must be observed
- Push-through installation

