the right fixing

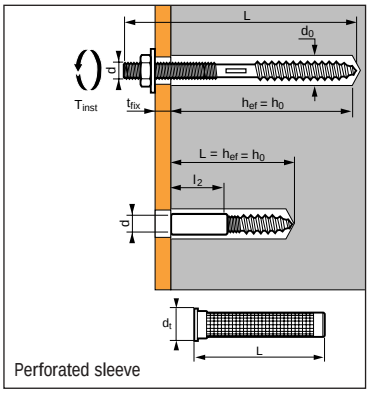
TECHNICAL INFORMATION

SPIT C-MIX PLUS

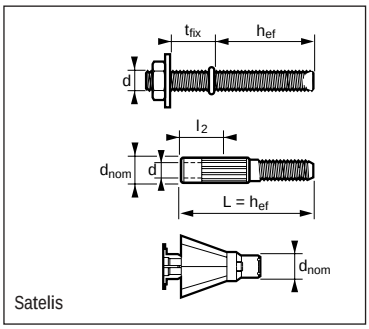
Injection resin anchor for use in hollow masonry with Satelis or perforated sleeve and studs, in solid block and concrete with threaded studs M8, M10, M12, M16.

APRIL 2006

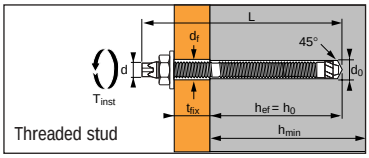
SPIT C-MIX PLUS



Perforated sleeve



Satelis

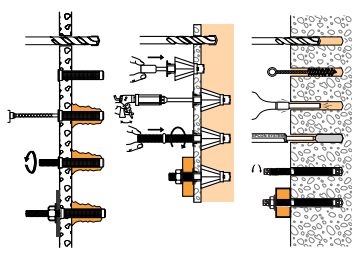


Threaded stud

APPLICATIONS

- Signs
- Scaffolding
- Electrical switchboard
- Radiators
- Air conditionning ducts
- Rail guard returns
- Blinds
- Climbing walls
- Metal scale
- Hand rails
- Pole and ducts
- Demountable partitions
- Kitchen furniture
- Decorations...

Installation



Hollow material with sleeve | Hollow material with Satelis | Solid material

Technical data

Type		Anchor depth (mm) h_{ef}	Max thick of part to be fixed (mm) t_{fix}	Ø thread (mm) d	Thread length (mm) l_2	Drill bit hollow (mm) d_o	Drill bit solid (mm) d_o	Drilling depth hollow (mm) h_o	Drilling depth solid (mm) h_o	Ø sleeve length (mm) d_t	Total anchor (mm) L	Max tightening torque (Nm) T_{inst}	Code
male stud	M8	75	12	8	–	16	10	80	–	–	100	5	061650
	M10	75	20	10	–	16	12	80	–	–	100	8	061660
	M12	75	20	12	–	20	14	80	–	–	100	8	061670
female stud	M8	58	–	8	20	20	14	80	–	–	58	8	061740
	M10	58	–	10	23	20	14	80	–	–	58	8	061750
	M12	75	–	12	30	20	20	100	–	–	75	8	061760
plast sleeve (1)	Ø16x80	–	–	–	–	16	–	85	–	16	80	–	061600
	Ø20x85	–	–	–	–	20	–	90	–	20	85	–	061490
	Ø15x130	–	–	–	–	15	–	135	–	15	130	–	557080
Satelis Female stud	M6	75	-	6	15	20	-	80	-	-	58	8	062340
	M8	75	-	8	20	20	-	80	-	-	58	10	062350
	M10	75	-	10	52	20	-	80	-	-	58	20	062360
Satelis Male stud	M8	75	10	8	-	20	-	80	-	-	80	10	062300
	M10	75	18	10	-	20	-	80	-	-	90	20	062310
	M12	75	25	12	-	20	-	80	-	-	100	20	062320
Threaded stud	M8	80	15	8	-	-	10	-	80	-	110	10	050950
	M10	90	20	10	-	-	12	-	90	-	130	20	050960
	M12	110	25	12	-	-	14	-	110	-	160	30	050970
	M16	125	35	16	-	-	18	-	125	-	190	60	050980

(1) • Sleeve Ø 16 x 80 for male studs M8 et M10 in hollow material.
• Sleeve Ø 20 x 80 and Ø 20 x 85 for male studs M12 and female studs M8, M10 and M12 in hollow material.
• Sleeve Ø 15 x 130 for male studs M8 x 170 - Using commercial standard threaded rods.

Recommended loads in concrete (daN)

Type		Recommended load (daN) N_{rec}	F_{rec}	V_{rec}	Minimum distances (mm) S_{min}	C_{min}
Threaded stud	M8	448	296	285	160	80
	M10	630	505	460	180	90
	M12	925	657	665	220	110
	M16	1400	1127	1260	250	125

Recommended loads in masonry with stud sleeve and Satelis (daN)

Type			Facing brick BP400 N_{rec} F_{rec}	Facing brick BP400 V_{rec}	Solid concrete block B80 N_{rec} F_{rec}	Solid concrete block B80 V_{rec}	Hollow brick C40 Rendered N_{rec} F_{rec}	Hollow brick C40 Rendered V_{rec}	Hollow brick C40 Unrendered N_{rec} F_{rec}	Hollow brick C40 Unrendered V_{rec}	Hollow concrete block B40 Rendered N_{rec} F_{rec}	Hollow concrete block B40 Rendered V_{rec}	Hollow concrete block B40 Unrendered N_{rec} F_{rec}	Hollow concrete block B40 Unrendered V_{rec}
Sleeve	Male stud	M8	130	180	500	175	100	200	60	130	160	200	90	180
		M10		250		220								
		M12		400		315								
	Female stud	M8	130	200	500	175								
		M10		250		220								
		M12		400		315								
Satelis	Female stud	M6	-	-	-	-	115	155	50	155	190	155	110	155
		M8	-	-	-	-		215				240		240
		M10	-	-	-	-						310		265
	Male stud	M6	-	-	-	-		155				155		155
		M8	-	-	-	-		215				240		240
		M12	-	-	-	-						310		265
Sleeve with stud		Ø15x130 M8x170	-	-	-	-	60	200	60	130	100	200	90	180