

SPM – RAWL SAFETY PLUS ANCHORS

Features

- High performance expansion anchors for concrete
- High loads for securing steelwork, machinery and other heavy duty applications
- Through fixings for installation with the fixture in place
- Drill diameter is the same as the anchor sleeve diameter
- Hexagon and countersunk head versions

Testing & approvals

- European Technical Assessment ETA-11/0126
- Approved for structural use in uncracked concrete



Hexagon Head

CODE	MF CODE	THREAD SIZE	SLEEVE Ø	MAX THICKNESS	LENGTH	DRILL Ø	BOX QTY
SPM815L	0225315	M8	12	15	90	12	50
SPM840L	0225340	M8	12	40	110	12	50
SPM1020L	0225420	M10	15	20	105	15	50
SPM1040L	0225440	M10	15	40	120	15	50
SPM1225L	0225525	M12	18	25	120	18	25
SPM1250L	0225550	M12	18	50	150	18	25
SPM1625L	0225625	M16	24	25	145	24	10



Countersunk Head

CODE	MF CODE	THREAD SIZE	SLEEVE Ø	MAX THICKNESS	LENGTH	DRILL Ø	BOX QTY
SPM820CSK	0227320	M8	12	20	90	12	50
SPM1025CSK	0227425	M10	15	25	105	15	50
SPM1230CSK	0227530	M12	18	30	125	18	25



TECHNICAL DATA

Extract from European Technical Assessment ETA-11/0126

For anchors used in non-cracked concrete. Total safety factor as per ETAG 001 included. For full design information consult ETA-11/0126.

LOADS AND PERFORMANCE DATA			SPM8	SPM10	SPM12	SPM16
Non-cracked concrete (C20/25)						
Nominal embedment depth			60	70	80	100
Permissible tension load		[kN]	3.6	4.8	6.4	13.9
Permissible shear load		[kN]	11.0	17.1	24.7	44.3
Spacing and edge distance						
Required spacing*	S	[mm]	180	210	240	300
Required edge distance*	C	[mm]	90	105	120	150
Installation parameters						
Drill hole diameter	d _o	[mm]	12	15	18	24
Installation torque	T _{inst}	[Nm]	25	50	80	180

*For maximum loads



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THROUGHBOLTS – HOT DIP GALVANISED

TECHNICAL DATA

For non-cracked concrete

Maximum recommended loads for an isolated anchor in C20/25 concrete without spacing or edge distance considerations. For full design information consult technical data sheet.

LOADS AND PERFORMANCE DATA			M8	M10	M12	M16
Non-cracked concrete (C20/25)						
Embedment depth		[mm]	50	55	70	85
Permissible tension load		[kN]	4.8	6.3	7.9	11.9
Permissible shear load		[kN]	2.7	3.9	16.9	31.4
Spacing and edge distance (for tension loads)						
Required spacing*	S	[mm]	150	165	210	255
Required edge distance*	C	[mm]	100	110	140	170
Installation parameters						
Drill hole diameter	d_o	[mm]	8	10	12	16
Installation torque	T_{inst}	[Nm]	20	45	65	150

*For maximum loads