

Bolt Expansion Anchor



CERTIFICATIONS



FEATURES

Heavy duty wedge anchor

For cracked and non-cracked concrete

Fire resistance class R30-R120 for design of anchorages under exposure to fire

Approved for use in seismic design category C1 & C2 (for Drill Bit Diameters 8 mm and greater)

SPECIFICATIONS

Table 1/2

Catalog Number	Article Number	Material	Finish	Thread Size (TS)	Length (L)	Embedment Depth
SABM8010	400408	Steel	Electrogalvanized	M8	75mm	55 mm
SABM8010S6	401150	Stainless Steel 316 (EN 1.4401)		M8	75mm	55 mm
SABM8050	400409	Steel	Electrogalvanized	M8	115mm	55 mm

CatalogNumber	Article Number	Material	Finish	Thread Size (TS)	Length (L)	Embedment Depth
SABM8050S6	401151	Stainless Steel 316 (EN 1.4401)		M8	115mm	55 mm
SABM10010	400410	Steel	Electrogalvanized	M10	90mm	68 mm
SABM10010S6	401152	Stainless Steel 316 (EN 1.4401)		M10	90mm	68 mm
SABM10050	400411	Steel	Electrogalvanized	M10	135mm	68 mm
SABM10050S6	401153	Stainless Steel 316 (EN 1.4401)		M10	135mm	68 mm
SABM12015	402170	Steel	Electrogalvanized	M12	110mm	80 mm
SABM12050	401158	Steel	Electrogalvanized	M12	150mm	80 mm
SABM16025	402171	Steel	Electrogalvanized	M16	145mm	97 mm
SABM20030	402446	Steel	Electrogalvanized	M20	167mm	114 mm

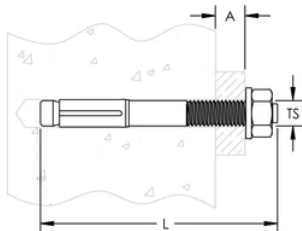
Table 2/2

Catalog Number	Article Number	A	Drill Bit Diameter
SABM8010	400408	9 mm	8mm
SABM8010S6	401150	9 mm	8mm
SABM8050	400409	49 mm	8mm
SABM8050S6	401151	49 mm	8mm
SABM10010	400410	10 mm	10mm
SABM10010S6	401152	10 mm	10mm
SABM10050	400411	55 mm	10mm

Catalog Number	Article Number	A	Drill Bit Diameter
SABM10050S6	401153	55 mm	10mm
SABM12015	402170	14 mm	12mm
SABM12050	401158	54 mm	12mm
SABM16025	402171	28 mm	16mm
SABM20030	402446	32 mm	20mm

Characteristic Axial Loads from ETA-12/0397		
Part Number	Cracked Concrete C20/25	Non-Cracked Concrete C20/25
SABM8010	2.4 kN	3.6 kN
SABM8050	2.4 kN	3.6 kN
SABM10010	4.3 kN	7.6 kN
SABM10050	4.3 kN	7.6 kN
SABM12015	7.6 kN	11.9 kN
SABM12050	7.6 kN	11.9 kN
SABM16025	11.9 kN	16.7 kN
SABM20030	14.3 kN	23.8 kN
SABM8010S6	2.4 kN	4.3 kN
SABM8050S6	2.4 kN	4.3 kN
SABM10010S6	4.3 kN	7.6 kN
SABM10050S6	4.3 kN	7.6 kN

DIAGRAMS



WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at www.nvent.com and from your nVent customer service representative. Improper

installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

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