

QUIKANKOR TECHNICAL SPECIFICATIONS

The complete engineered solution to connect
slabs and beams to walls and cores





PRODUCTS



QuikAnkor

Safe and Secure

SRG Global's QuikAnkor system is a cast in-situ threaded insert anchor solution that is commonly used to connect slabs and beams to walls and cores. The system uses a continuously threaded ACRS certified Grade 500N reinforcing bar in a range of diameters.

The insert anchors can be supplied fully assembled in dimpled galvanised steel boxes also found in **QuikBoxes**. Once cast, the lid is removed, and the reinforcement bars are screwed into place.

Alternatively, a reusable plastic rebate board can be used to secure the insert anchors. The rebate boards can typically be reused up to 20 times, providing these are well maintained between uses. SRG Global can also supply the insert anchors with nailing plates which allows the system to be used in non-standard applications.

Characteristic tensile strength of an anchor can be determined from the following formula:

$$N_{c,k} = k_1 \times f_{ck}^{0.5} \times h_{ef}^{1.5}$$

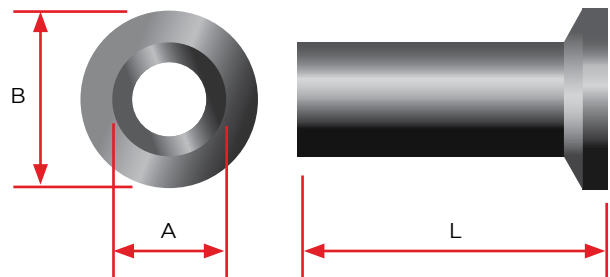
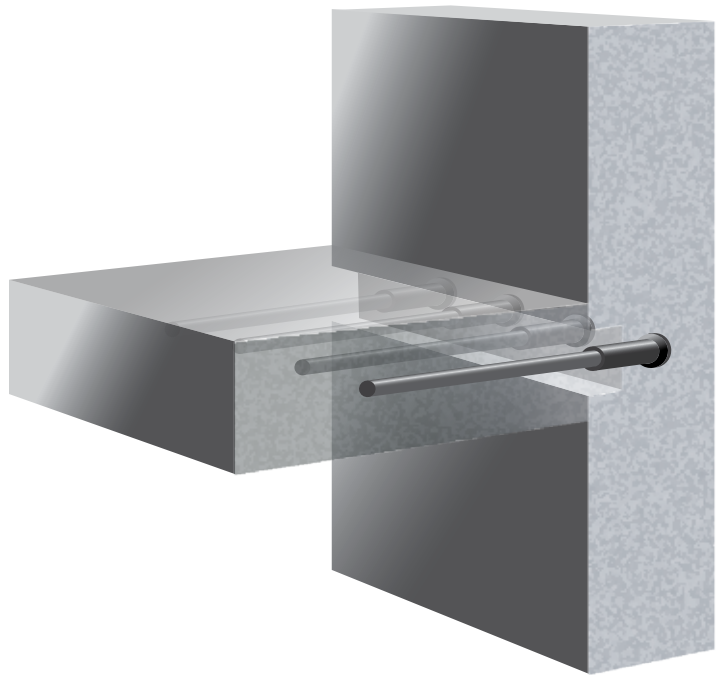
Where:

$N_{c,k}$ = Characteristic Tensile Strength of a single anchor (kN)

k_1 = 12.5

f_{ck} = Characteristic concrete compressive strength (MPa)

h_{ef} = Effective embedment depth of insert/anchor (mm)



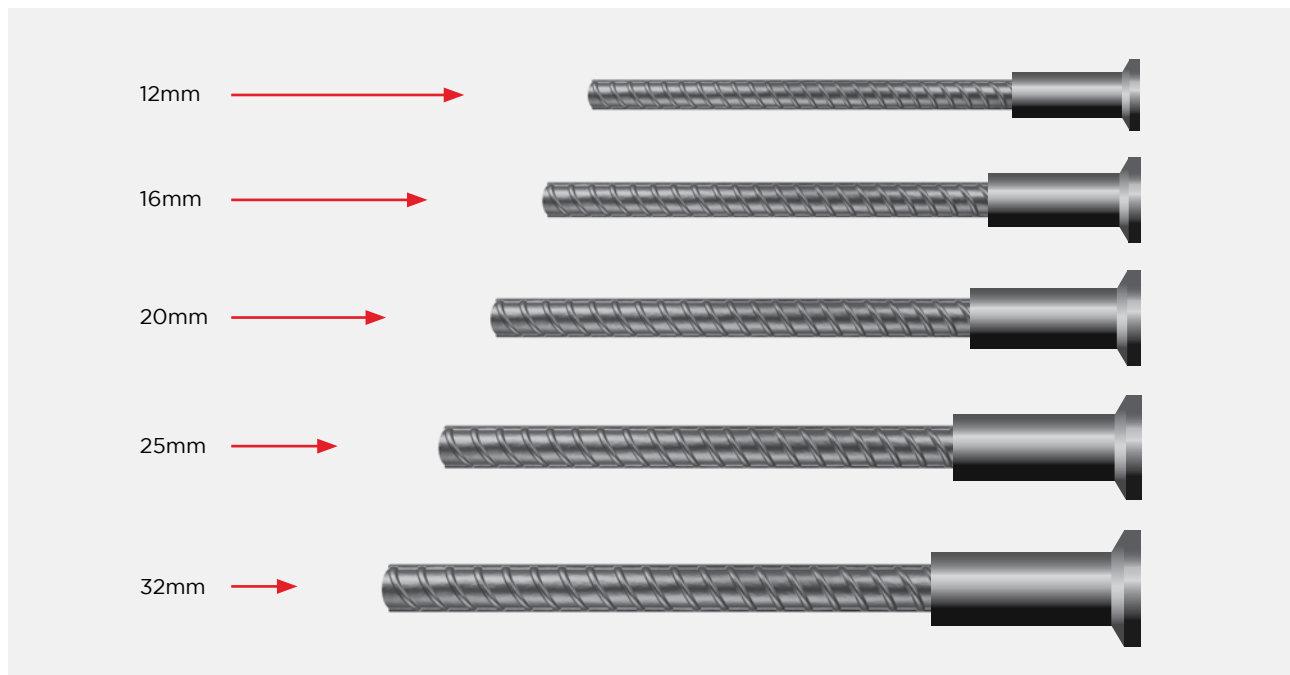
ITEM CODE	DESCRIPTION	DIAMETER B (mm)	DIAMETER A (mm)	INSERT LENGTH (mm)
TB12IR	TBR insert 12mm to suit SRG Threaded Bar	38	22	105
TB12IR-L	TBR insert 12mm-L to suit SRG Threaded Bar	38	22	150
TB16IR	TBR insert 16mm to suit SRG Threaded Bar	50	30	115
TB16IR-L	TBR insert 16mm-L to suit SRG Threaded Bar	50	30	165
TB20IR	TBR insert 20mm to suit SRG Threaded Bar	64	35	145
TB20IR-L	TBR insert 20mm-L to suit SRG Threaded Bar	64	35	185
TB25IR	TBR insert 25mm to suit SRG Threaded Bar	85	45	190
TB32IR	TBR insert 32mm to suit SRG Threaded Bar	85	45	190

SRG Global QuikAnchor Design Data

INSERT + USAGE	INSERT LENGTH (mm)	h_{ef} (mm)	f_{ck} (MPa)	N_{ck} (kN)	N_{ck} (kN) at Anchor Spacings (mm)						
					150	200	250	300	350	400	450
TB12IR + NAIL PLATE OR BOARD	105	109	32	80.5	36.9	49.2	61.5	73.8	80.5	80.5	80.5
			40	90.0	41.3	55.0	68.8	82.5	90.0	90.0	90.0
			50	100.6	46.1	61.5	76.5	92.3	100.6	100.6	100.6
TB12IR-L + NAIL PLATE OR BOARD	150	154	32	135.1	43.9	58.5	73.1	87.7	102.4	117.0	131.6
			40	151.1	49.1	65.4	81.8	98.1	114.5	130.8	147.2
			50	168.9	54.8	73.1	91.4	109.7	128.0	146.2	164.5
TB16IR + NAIL PLATE OR BOARD	115	119	32	91.8	38.6	51.4	64.3	77.1	90.0	91.8	91.8
			40	102.6	43.1	57.5	71.9	86.2	100.6	102.6	102.6
			50	114.7	48.2	64.3	80.4	96.4	112.5	114.7	114.7
TB16IR-L + NAIL PLATE OR BOARD	165	169	32	155.4	46.0	61.3	76.6	91.9	107.2	122.6	137.9
			40	173.7	51.4	68.5	85.6	102.8	119.9	137.0	154.2
			50	194.2	57.5	76.6	95.8	114.9	134.1	153.2	172.4
TB20IR + NAIL PLATE OR BOARD	145	149	32	128.6	43.2	57.5	71.9	86.3	100.7	115.1	128.6
			40	143.8	48.3	64.3	80.4	96.5	112.6	128.7	143.8
			50	160.8	53.9	71.9	89.9	107.9	125.9	143.9	160.8
TB20IR-L + NAIL PLATE OR BOARD	185	189	32	183.7	48.6	64.8	81.0	97.2	113.4	129.6	145.8
			40	205.4	54.3	72.5	90.6	108.7	126.8	144.9	163.0
			50	229.7	60.8	81.0	101.3	121.5	141.8	162.0	182.3
TB25IR + NAIL PLATE OR BOARD	190	194	32	191.1	49.2	65.7	82.1	98.5	114.9	131.3	147.7
			40	213.6	55.1	73.4	91.8	110.1	128.5	146.8	165.2
			50	238.8	61.6	82.1	102.6	123.1	143.6	164.1	184.7

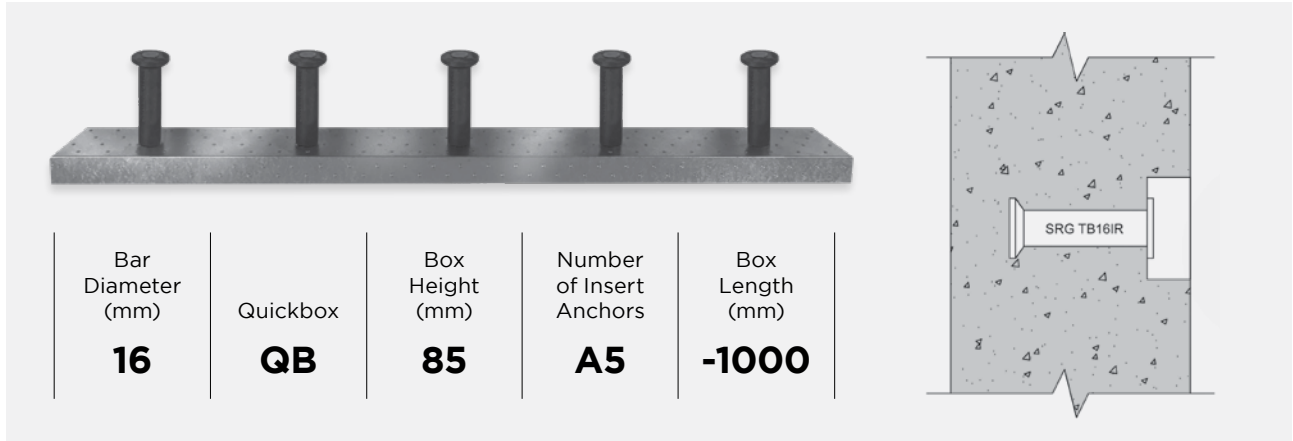
SRG Global QuikAnchor Bar Sizes

SRG Global offer fully threaded ACRS certified 500MPa bar to suit the QuikAnchor system in 16mm, 20mm, 25mm and 32mm sizes.



SRG Global QuikAnchor Box

Description QuikAnchor Box Product Code



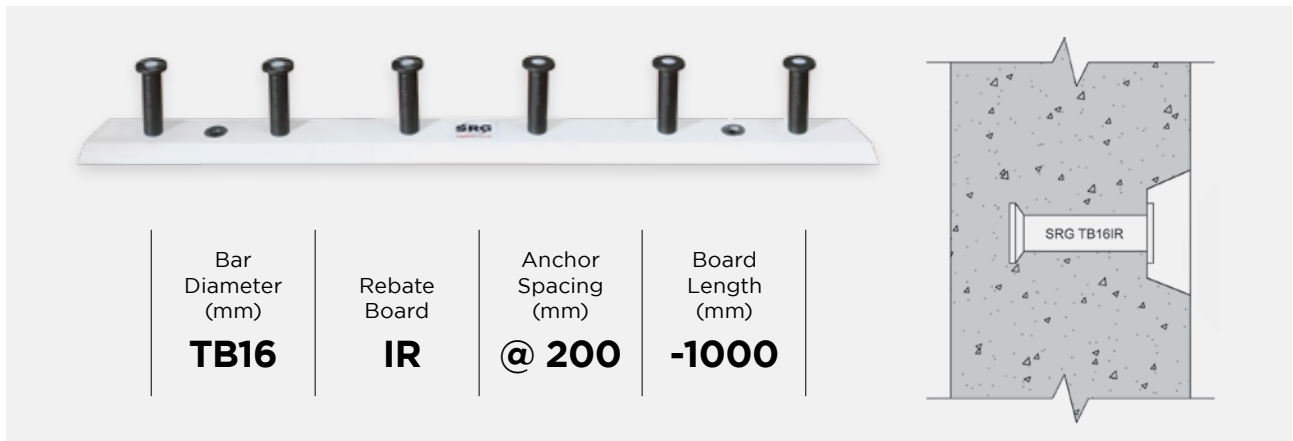
Bar Diameter (mm)	Quickbox	Box Height (mm)	Number of Insert Anchors	Box Length (mm)
16	QB	85	A5	-1000

PRODUCT CODE	INSERT ANCHOR BAR SIZE (mm)	EMBEDMENT (mm)	BOX LENGTH (mm)	BOX HEIGHT (mm)	INSERT ANCHOR SPACING (mm)	BOX DEPTH (mm)	MIN WALL THICKNESS (mm)
16QB85A3-600	16	151	600	85	200	36	180
16QB85A4-800	16	151	800	85	200	36	180
16QB85A5-1000	16	151	1000	85	200	36	180
16QB85A4-1000	16	151	1000	85	250	36	180
16QB85A7-1000	16	151	1000	85	150	36	180

ALSO AVAILABLE WITH 12, 20, 25 AND 32MM INSERT ANCHORS.
NON-STANDARD CONFIGURATIONS OF BOX LENGTH, HEIGHT AND SPACINGS AVAILABLE.

SRG Global QuikAnchor Rebate Board

Description QuikAnchor Rebate Board Product Code



Bar Diameter (mm)	Rebate Board	Anchor Spacing (mm)	Board Length (mm)
TB16	IR	@ 200	-1000

PRODUCT CODE	INSERT ANCHOR BAR SIZE (mm)	EMBEDMENT (mm)	BOX LENGTH (mm)	BOX HEIGHT (mm)	INSERT ANCHOR SPACING (mm)	MIN WALL THICKNESS (mm)
TB16IR @ 100-1000	16	119	1000	85	100	180
TB16IR @ 200-1000	16	119	1000	85	200	180
TB16IR @ 250-1000	16	119	1000	85	250	180

ALSO AVAILABLE WITH 12, 20, 25 AND 32MM INSERT ANCHORS.
NON-STANDARD CONFIGURATIONS OF BOARD LENGTH, HEIGHT AND SPACINGS AVAILABLE.



Our global footprint

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