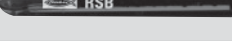
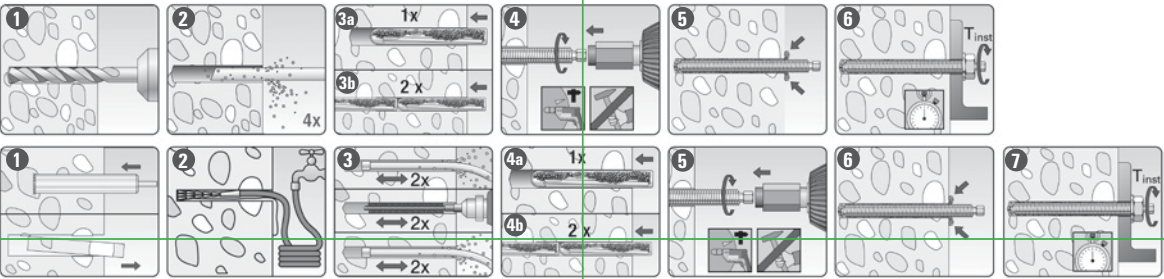
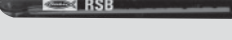
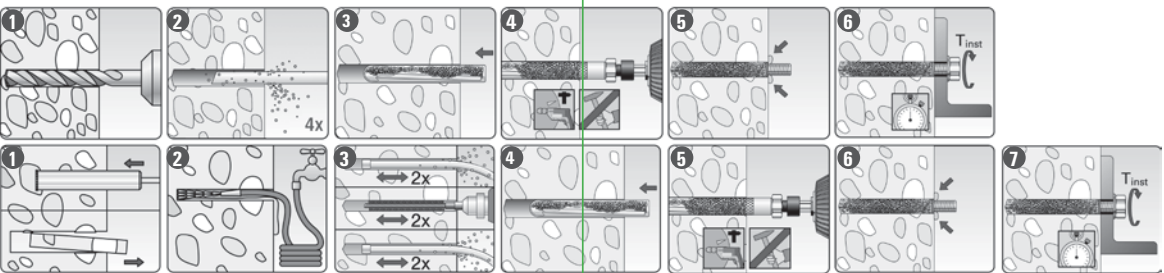


	mm							
		d _o	h _{ef}	Ø d _b	T _{inst} , max	1 x	RSB	Art. No.
	M8	Ø 10 mm	80 mm	11	10	1 x	RSB 8	518807
	M10	Ø 12 mm	75 mm	14	20	1 x	RSB 10 mini	518820
			90 mm	14	20	1 x	RSB 10	518821
			150 mm	14	20	2 x	RSB 10 mini	518820
	M12	Ø 14 mm	75 mm	16	40	1 x	RSB 12 mini	518822
			110 mm	16	40	1 x	RSB 12	518823
			150 mm	16	40	2 x	RSB 12 mini	518822
	M16	Ø 18 mm	95 mm	20	60	1 x	RSB 16 mini	518824
			125 mm	20	60	1 x	RSB 16	518825
			190 mm	20	60	2 x	RSB 16 mini	518824
	M20	Ø 25 mm	170 mm	27	120	1 x	RSB 20	518827
			210 mm	27	120	1 x	RSB 20 E / 24	518828
	M24	Ø 28 mm	210 mm	30	150	1 x	RSB 20 E / 24	518828
	M30	Ø 35 mm	280 mm	40	300	1 x	RSB 30	518829

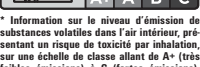
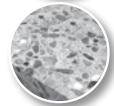
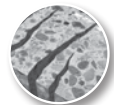
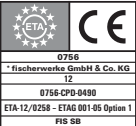


	-30 - -20	-19 - -15	-14 - -10	-9 - -5	-4 - ±0	+1 - +5	+6 - +10	+11 - +20	+21 - +30	+31 - +40
	120 h	48 h	30 h	16 h	10 h	45 min	30 min	20 min	5 min	3 min

	mm							
		d _o	h _{ef}	Ø d _b	T _{inst} , max	1 x	RSB	Art. No.
	M8	Ø 14 mm	90 mm	16	10	1 x	RSB 10	518821
	M10	Ø 18 mm	90 mm	20	20	1 x	RSB 12	518823
	M12	Ø 20 mm	125 mm	25	40	1 x	RSB 16	518825
	M16	Ø 24 mm	160 mm	26	80	1 x	RSB 16 E	518826
	M20	Ø 32 mm	200 mm	40	120	1 x	RSB 20 E / 24	518828



RSB
Superbond System



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RA-SDS
Art. No. 062420

SDS max 1/2" VK (M16 - M20)
Art. No. 001538

SDS max 3/4" VK (M20 - M30)
Art. No. 001539

SDS plus 1/2" VK (M8 - M16)
Art. No. 001537

SK SW 8 1/2" VK (M8 - M22)
Art. No. 001536

Hand pump
Art. No. 089300

Compressed air pistol
Art. No. 09286



Installation instruction



see ICC-ES Evaluation Report
No. 3572 at www.icc-es.org
Quality Contr ol Agency IEA (AA -707)

fischer adhesive anchoring system RSB

fischer RSB is an adhesive anchoring system for fastenings in normal weight concrete.

Important:
Before use, read and review the installation instructions and the SDS (safety data sheet). Do not use expired adhesive.

A Installation in hammer-drilled hole

- 1. Drill the hole. Drill hole diameter **d_o** and drill hole depth **h_o**, see **Table 2** or **3**.
- 2. Drill hole cleaning: Blow out the drill hole four times with oil-free compressed air (p ≥ 6 bar). The use of a manual blow-out pump is possible, if at the same time the drill hole diameter is less than 18 mm and the embedment depth h_{ef} is less than 10d.
- 3. Resin capsule RSB or two RSB mini, must be pushed into the drill hole by hand. Depending on the anchor being installed, a suitable setting tool should be used.
- 4. Only use clean and grease-free anchors. Using a suitable adapter, drive the RG M into the capsule using a hammer drill set on rotary hammer action. Stop when the anchor reaches the bottom of the hole and is set to the correct embedment depth.
- 5. When fully embedded, excess mortar must emerge from the mouth of the drill hole. If not, the anchor must be pulled out directly and a second resin capsule must be pushed into the drill hole. Setting process must be repeated, step (4).
- 6. Wait for the specified curing time. T_{cure} see **Table 1**.
Mounting the fixture T_{inst,max} see **Table 3**.

Table II

	Rods	Ø	Drill bit	Anchoring depth	Brush	Capsule	RSB	
							RSB	Item No.
	M8	3/8	Ø 10 mm	80 mm	11	1 x	RSB 8	518807
	M10	15/32	Ø 12 mm	75 mm	14	1 x	RSB 10 mini	518820
				90 mm	14	1 x	RSB 10	518821
				150 mm	14	2 x	RSB 10 mini	518820
	M12	9/16	Ø 14 mm	75 mm	16	1 x	RSB 12 mini	518822
				110 mm	16	1 x	RSB 12	518823
				150 mm	16	2 x	RSB 12 mini	518822
	M16	1 1/16	Ø 18 mm	95 mm	20	1 x	RSB 16 mini	518824
				125 mm	20	1 x	RSB 16	518825
				190 mm	20	2 x	RSB 16 mini	518824
	M20	1	Ø 25 mm	170 mm	27	1 x	RSB 20	518827
				210 mm	27	1 x	RSB 20 E / 24	518828
	M24	1 1/8	Ø 28 mm	210 mm	30	1 x	RSB 20 E / 24	518828
	M30	1 3/8	Ø 35 mm	280 mm	40	1 x	RSB 30	518829

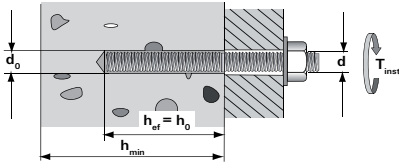
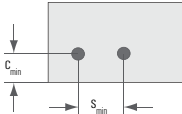
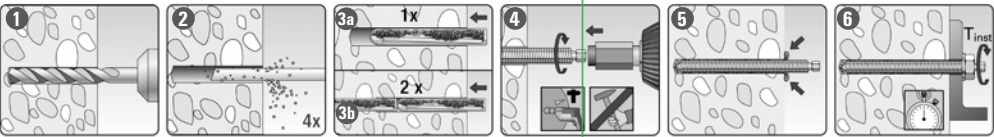


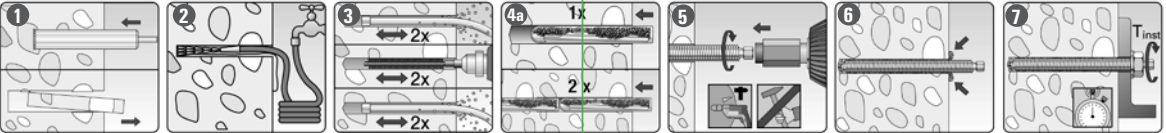
Table III Threaded rod

d	Drill bit		Anchoring depth		Minimum member thickness		Minimum spacing, edge distance		Maximum torque	
	d _o		h _{ef}		h _{min}		s _{min} = c _{min}		T _{inst, max}	
mm	mm	inch	mm	inch	mm	inch	mm	inch	Nm	f _t - l _b
M8	10	3/8	80	3.15	h _{ef} + 30	h _{ef} + 1.25	40	1.57	10	7.35
M10	12	15/32	75	2.95			45	1.77	20	14.75
			90	3.54			45	1.77	20	14.75
			150	5.91			45	1.77	20	14.75
M12	14	9/16	75	2.95			55	2.17	40	29.50
			110	4.33			55	2.17	40	29.50
			150	5.91			55	2.17	40	29.50
M16	18	11/16	95	3.74	h _{ef} + 2d _o	h _{ef} + 2d _o	65	2.56	60	44.25
			125	4.92			65	2.56	60	44.25
			190	7.48			65	2.56	60	44.25
M20	25	1	170	6.69			85	3.35	120	88.50
			210	8.27			85	3.35	120	88.50
M24	28	1 1/8	210	8.27			105	4.13	150	110.60
M30	35	1 3/8	280	11.02			140	5.51	300	221.25

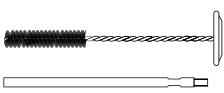
A Installation in hammer-drilled hole



B Installation in diamond-drilled hole



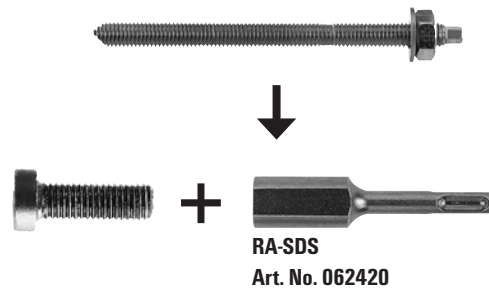
Brush with extension



Hand pump



Compressed air pistol

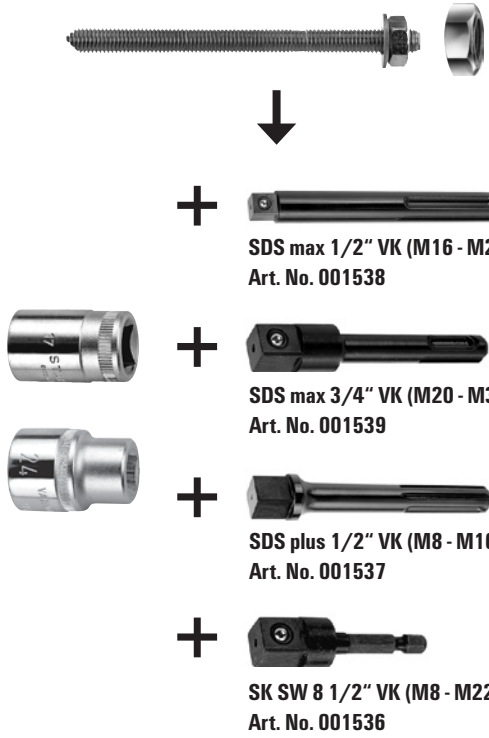
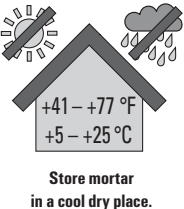


B Installation in diamond-drilled hole

- 1. Drill the hole. Drill hole diameter **d_o** and drill hole depth **h_o**, see **Table 2** or **3**. Break the drill core and remove.
- 2. Flush the drill hole until the water becomes clear.
- 3. Blow out the drill hole two times, using oil-free compressed air (p > 6 bar). Brush the drill hole two times using a power drill. Blow out the drill hole two times, using oil-free compressed air (p > 6 bar).
- 4. Resin capsule RSB or two RSB mini, must be pushed into the drill hole by hand. Depending on the anchor being installed, use a suitable setting tool.
- 5. Only use clean and grease-free anchors. Using a suitable adapter, drive the RG M into the capsule using a hammer drill set on rotary hammer action. Stop when the anchor reaches the bottom of the hole and is set to the correct embedment depth.
- 6. When reaching the correct embedment, excess mortar must emerge from the mouth of the drill hole. If not, the anchor must be pulled out directly and a second resin capsule must be pushed into the drill hole. Setting process must be repeated (5).
- 6. Wait for the specified curing time. t_{cure} see **Table 1**.
Mounting the fixture T_{inst,max} see **Table 3**.

Table I Curing times

Temperature range		Curing time
°C	°F	
> -20 to -15	> -4 to +5	48 h
> -15 to -10	> +5 to +14	30 h
> -10 to -5	> +14 to +23	16 h
> -5 to ±0	> +23 to +32	10 h
> ±0 to +5	> +32 to +41	45 min
> +5 to +10	> +41 to +50	30 min
> +10 to +20	> +50 to +68	20 min
> +20 to +30	> +68 to +86	5 min
> +30 to +40	> +86 to +104	3 min



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