

fischer Austria GmbH
Wiener Straße 95
2514 Traiskirchen
Tel. +43 2252 53730-0
Fax +43 2252 53730-70

fischer fixing (UK) Ltd
Whitley Road
Wallingford, Oxfordshire
OX10 9AT – United Kingdom
Phone +44 1491 827900
Fax +44 1491 827953

fischer S.A.S.
12, Rue Livio, B.P. 182
F-67022 Strasbourg-Cedex 1
Tel. +33 388 391867
Fax +33 388 398044

fischer Cobemabel snc
Schaliënhoedreef 20D
B-2800 Mechelen
Tel. +32 15 28 47 00
Fax +32 15 28 47 10

fischer Benelux B.V.
Amsterdamsestraat-
weg 45 B/C
NL-1411 AX Naarden
Tel. +31 35 69566-66
Fax +31 35 69566-99

fischer a/s
Sandvadsvej 17A
DK-4600 Køge
Tel. +45 463 20220
Fax +45 463 66772

fischer italia s.r.l.
Corso Stati Uniti, 25
Casella Postale 391
I-35127 Padova - Z.I. Sud
Tel. +39 049 8063-111
Fax +39 049 8063-395

fischer Ibérica, S.A.
C/ Klaus Fischer, 1
E-43300 Mont-roig
del Camp / Tarragona
Tel. +34 977 8387-11
Fax +34 977 8387-70

fischerwerke Portugal Lda
Av. Infante D. Henrique, Lote 35
P-1800-218 Lisboa
Tel. +351 21 855 83 67
Fax +351 21 851 41 43

fischer Brasil
Indústria e Comércio Ltda.
Rua do Rócio, 84 - 10º andar
Vila Olímpia São Paulo - SP
Brasil
CEP: 04552-000
Tel. +55 11 3048-8606
Fax +55 11 3048-8607

fischerpolska sp. z o. o.
ul. Albatrosów 2
PL-30-716 Kraków
Tel. +48 12 290088-0
Fax +48 12 290088-8

fischer international s.r.o.
Průmyslová 1833
CZ-250 01 Brandýs nad Labem
Tel. +42 326 904 601
Fax +42 326 904 600
IČ: 25140388

fischer (Taicang)
fixings Co., Ltd.
Shanghai Rep. Office
Rm 1503-1504, Design Building
No. 63 Chifeng Road
VRC-200092 Shanghai
P.R. China
Tel. +86 21 61221588
Fax +86 21 61221589

fischer Korea Co. Ltd.
Tae Young Bldg., 1st Floor
243 Gunja-dong, Kwangjin-gu
Seoul 143-837
Republic of Korea
Tel. +82 2 467 0006
Fax +82 2 796 4692

000 fischer
Befestigungssysteme Rus
ul. Dokukina 16/1, Building 1
RUS-129226 Moscva
Tel. +7 495 223-03-34
Fax +7 495 223-03-34

fischer Hellas
Emporiki EPE
G. Papandreou 125
144 52 Metamorphosis
Athens
Greece
Tel. +30 210 2838167
Fax +30 210 2838169

FIS V 950 S / FIS V 360 S FIS V 150 C



DEUTSCH	4
ENGLISH	6
FRANÇAIS	8
NEDERLANDS	10
DANSK	12
SVENSKA	14
NORSK	16
SUOMI	18
ISLANDIC	20
ITALIANO	22
ESPAÑOL	24
PORTUGUÊS	26
TÜRKÇE	28
POLSKI	30
ČESKY	32
SLOVENSKY	34
MAGYAR	36
SLOVENŠČINA	38
HRVATSKI	40
ROMÂNEȘTE	42
БЪЛГАРСКИ	44
РУССКИЙ	46
EESTI	48
LIETUVIŠKAI	50
LATVISKI	52
УКРАЇНСЬКА	52
ҚАЗАҚША	56
中文	58
日本語	60
한국어	62
INDONESIA	64
ΕΛΛΗΝΙΚΑ	66
ICC-ESR 2786	68 ff

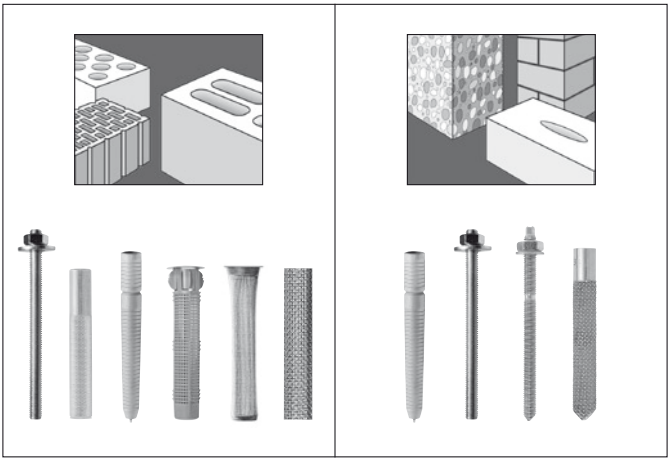
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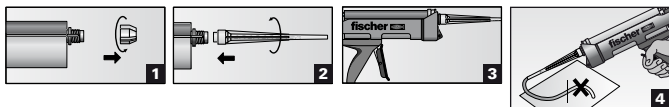


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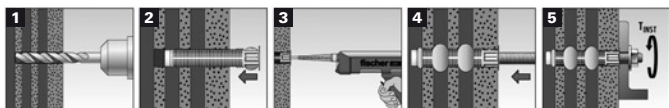


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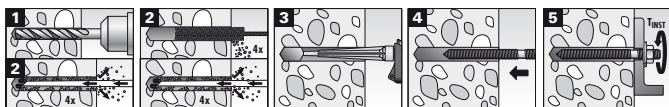
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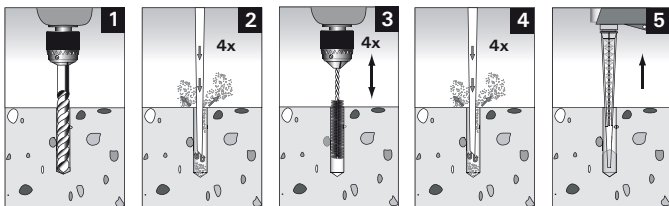
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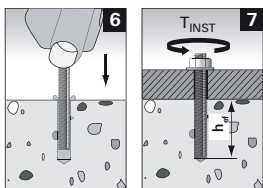
B II



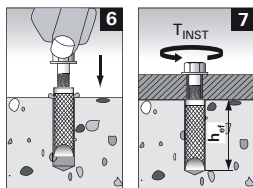
C



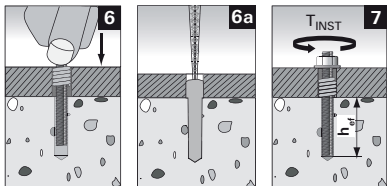
C I



C III



C II



fischer high performance mortar FIS V

A Cartridge preparation

1. Remove the cap.
2. Screw down the static mixer. **The spiral mixer in the static mixer must be clearly visible.** Never use without the static mixer.
3. Insert the cartridge into the application gun (with a 150 ml cartridge, use an application plunger).
4. Squeeze out mortar (approx. 10 cm) until it is an even grey colour when it leaves the gun. Mortar that is not grey does not set and must be discarded.

After installation is complete, leave the static mixer mounted on the cartridge or remove it and replace the cap.

Important: If the application time is exceeded, use a new static mixer and, if necessary, remove any dried material from the cartridge opening.

Installation in solid and perforated brick

B Installation with anchor sleeve

Suitable for use with: vertically perforated brick, solid brick, perforated sand-lime brick, solid sand-lime brick, hollow blocks, pumice stone, hollow body slabs and other perforated bricks.

1. Drill the hole. Observe the specified drilling diameter and drilling depth. Additional cleaning required when using solid building materials: blow hole clear at least 4 times, brush hole at least 4 times and blow hole clear at least 4 times.

A poorly cleaned hole has reduced bearing capacity!

2. Insert the anchor sleeve flush into the anchoring base.
3. Starting at the bottom of the drill hole, fill with mortar, making sure that it does not contain air bubbles.
4. Then press in the anchoring element, turning it slightly until it reaches the bottom of the sleeve.
5. Do not load the anchor until the recommended hardening time has elapsed (see Table I).

B II Installation without anchor sleeve

Suitable for use with: Concrete, lightweight concrete, solid brick, solid sand-lime brick, solid pumice, natural stone and solid building materials. We recommend using an anchor sleeve with plastered masonry.

1. Drill the hole. Observe the specified drilling diameter and drilling depth.
2. Clean the hole thoroughly:

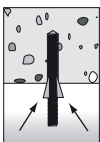
Blow out at least four times, brush out four times, and blow out four times again.

Badly cleaned hole = reduced load-bearing capacity!

3. Fill with mortar starting from the bottom of the hole (approx. 2/3 of hole).
4. Press anchoring element down to the bottom of the hole, turning it slightly while doing so. After inserting the anchoring element, excess mortar must emerge from the mouth of the hole. If no mortar appears at the surface, remove the anchoring element immediately and inject more FIS V mortar.
5. Do not apply load to the anchor **until after the prescribed curing time (see table 1).**

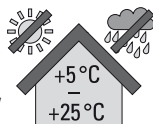
Important: Changes in colour may occur depending on the material. Test a suitable area before use.

See last pages for programme of accessories and installation data.



When installing overhead, clamp the anchoring element during the mortar hardening time using clamping wedges

Store the mortar in a dry and cool location.



Installation in concrete according to European Technical Approval



C Drilling the hole

1. Drill the hole. Observe the specified drilling diameter and drilling depth.
2. If necessary, free the hole of any water by blowing it clear or extracting it with a suction device. Clean hole thoroughly. **A poorly cleaned hole has reduced bearing capacity!**
For sizes M6 to M12: blow clear forcefully four times using a hand-held blower (for size M6, use an adapter).
For sizes M16 to M30: blow clear four times using oil-free pressurised air $p > 6$ bar (for sizes larger than M20, use a pressure nozzle with $\varnothing 19$ mm). Masonry does not need pressurised air.
3. Brush mechanically four times. Clean soiled brushes. Use brush gauge to check for wear. Brush diameter must be larger than the control diameter.
4. Blow the hole clear again four times (see procedure step 2).
5. Starting at the bottom of the drill hole, fill with mortar, making sure that it does not contain air bubbles. (approx. 2/3 of the hole, see Table II). When space is limited or $h_{ef} \geq 150$ mm, use an extension tube.

C I Pre-fixing installation

6. Press in the anchoring element, turning it slightly until it reaches the bottom of the hole. Once the anchoring element has set, excess mortar must exit the opening of the hole. If no mortar appears at the surface of the hole, the threaded rod must be removed immediately and chemical mortar must be injected again.
7. Do not load the anchor until the recommended hardening time has elapsed (see Table I).

C II Push-through installation

6. Screw in the push-through element until setting depth is reached. Then press in the anchoring element, turning it slightly until it reaches the bottom of the hole. Once the anchoring element has set, excess mortar must exit the opening of the hole. If no mortar appears at the surface of the hole, the threaded rod must be removed immediately and chemical mortar must be injected again.
6a. For push-through installation without a push-through element: the hole in the object to be attached should also be filled with mortar.
7. Do not load the anchor until the recommended hardening time has elapsed (see Table I).

C III Installation using an RG MI internal-threaded anchor

6. Press the RG MI internal-threaded anchor into the hole and turn it slightly until it is flush to the surface. Once the anchoring element has set, excess mortar must exit the opening of the hole. If no mortar appears at the surface of the hole, the internal thread anchor must be removed immediately and chemical mortar must be injected again.
7. Do not load the anchor until the recommended hardening time has elapsed (see Table I).

Table I Application and hardening time

System temperature (mortar)	Open time/application time in minutes	Construction material temperature	Hardening time*
+ 5 °C	13 min	- 5 °C to \pm 0 °C	24 h
+10 °C	9 min	\pm 0 °C to + 5 °C	180 min
+20 °C	5 min	+ 5 °C to +10 °C	90 min
+30 °C	4 min	+10 °C to +20 °C	60 min
+40 °C	2 min	+20 °C to +30 °C	45 min
		+30 °C to +40 °C	35 min

* If the anchoring base is wet, the hardening times must be doubled.