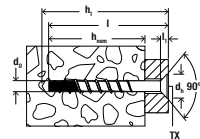
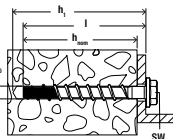


fischer UltraCut FBS II 6 R

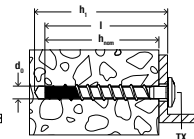
FBS II SK



FBS II US



FBS II P



UltraCut FBS II 6 R			
		ETA-17/0740	ETA-24/0973
d_0	[mm]	6	6
h_{nom1}	[mm]	60	60
h_{nom2}	[mm]	–	45
$h_1 \geq$	[mm]	$l + 10$	$l + 10$
d_h	[mm]	13,3	13,3
$T_{imp, max}$	[Nm]	240	240
SW (US)	[Nm]	10/13	10/13
TX (SK/P)	[-]	30	30



fischer stands for

Fixing Systems
fischertechnik
Consulting
Electronic Solutions

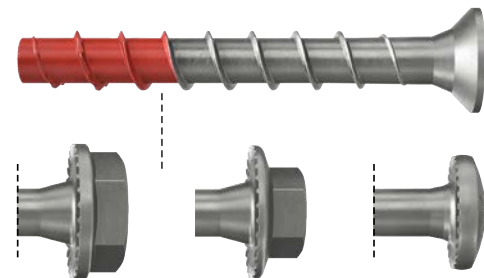
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**UltraCut
FBS II 6 R**



EN Operating instructions

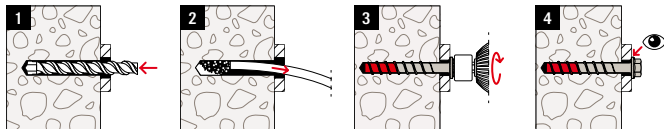
00208185 (01) - 03/2025 (fids) - Printed in Germany
We cannot be responsible for any errors, and we reserve the right to make technical and range modifications without notice.



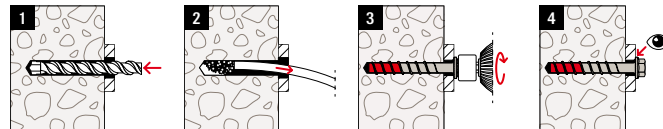
Post-installed fastening in cracked or uncracked concrete
(Option 1, Seismic Performance Category C1) acc. ETA-17/0740;
15; EAD 330232-01-0601; DoP: 0370; www.fischer.de/sdb; 2873;
fischerwerke GmbH & Co. KG, Klaus-Fischer-Str.1, 72178 Waldachtal

Only valid for $h_{\text{con}} = 60$

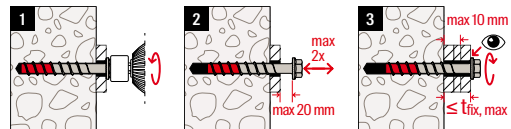
1



2.1



2.2



Performance parameter according to ETA-17/0740



$k_{ct,N}=7,7$; $k_{ucr,N}=11$; $c_{ct,N}=1,5 \times h_{ef}$; $c_{ct,sp}=1,5 \times h_{ef}$; $k_f=0,75$;
 $\psi_c=1,07-1,32$; $\gamma_{inst}=1,4$;
Durability: (R) CRC III acc. to EN 1993-1-4;
Class A1 R30-R120

	Characteristic resistance to tension load (static and quasi-static loading)								Characteristic resistance to shear load (static and quasi-static loading)			Displacements				Characteristic resistance and displacements for seismic performance categories C1 or C2			Resistance to fire				
	$N_{Rk,s}$ [kN]	$N_{Rk,p,cr}$ [kN]	$N_{Rk,p,ucr}$ [kN]	h_{ef} [mm]	$N^0_{Rk,sp}$ [kN]	C_{min} [mm]	S_{min} [mm]	h_{min} [mm]	$V^0_{Rk,s}$ [kN]	$M^0_{Rk,s}$ [Nm]	k_8 [-]	δ_{N0} [mm]	$\delta_{N\infty}$ [mm]	δ_{V0} [mm]	$\delta_{V\infty}$ [mm]	$N_{Rk,s,C1}$ [kN]	$N_{Rk,p,C1}$ [kN]	$V_{Rk,s,C1}$ [kN]	$N_{Rk,s,fi}$ [kN]	$N_{Rk,p,fi}$ [kN]	$V_{Rk,s,fi}$ [kN]	$M^0_{Rk,s,fi}$ [Nm]	$N_{Rk,c,fi}$ [kN]
D6 - $h_{nom} = 60$ (US SW13) - R	19,3	4	10	37	$\min \{N^0_{Rk,C}; N_{Rk,p}\}$	35	35	100	12,6	16,1	2,6	0,1	0,5	2,2	3,4	19,3	3,5	7,5	1,0-2,1	0,8-1,0	1,0-2,1	0,8-1,7	1,1-1,4
D6 - $h_{nom} = 60$ (SK/ P/US SW10) - R	19,3	4	10	37	$\min \{N^0_{Rk,C}; N_{Rk,p}\}$	35	35	100	12,6	16,1	2,6	0,1	0,5	2,2	3,4	19,3	3,5	7,5	0,9-1,8	0,8-1,0	0,9-1,8	0,7-1,5	1,1-1,4

Performance parameter according to ETA-24/0973



Durability: (R) CRC III acc. to EN 1993-1-4

	Characteristic resistance																				Reaction to fire	Resistance to fire		
	h_{ef} [mm]	l_t [mm]	d_{nom} [mm]	$N_{Rk,s}$ [kN]	E_s [N/mm ²]	$N_{Rk,p}$ [kN]	ψ_c [-]	γ_{inst} [-]	$k_{ct,N}$ [-]	$k_{ucr,N}$ [-]	$N^0_{Rk,sp}$ [kN]	$C_{ct,N}$ [mm]	$C_{ct,sp}$ [mm]	C_{min} [mm]	S_{min} [mm]	h_{min} [mm]	$V_{Rk,s}$ [kN]	$M^0_{Rk,s}$ [Nm]	k_f [-]	k_8 [-]	Class A1 [-]	$N_{Rk,s,fi}$ [kN]	$N_{Rk,p,fi}$ [kN]	$M^0_{Rk,s,fi}$ [Nm]
D6 - $h_{nom} = 45$ (alle Kopfformen) - R	24	31	6	19,3	210000	2,5	1,07-1,32	1,4	7,7	11	$\min (N^0_{Rk,C}; N^0R_{k,p})$	$1,5 \times h_{ef}$	66	35	35	100	5,2	16,1	0,75	2,1	–	–	–	–
D6 - $h_{nom} = 60$ (US SW13) - R	37	46	6	19,3	210000	6,0	1,07-1,32	1,4	7,7	11	$\min (N^0_{Rk,C}; N^0R_{k,p})$	$1,5 \times h_{ef}$	42	35	35	100	12,6	16,1	0,75	2,6	R30-R120	1,0-2,1	0,8-1,0	0,8-1,7
D6 - $h_{nom} = 60$ (SK/P/US SW 10) - R	37	46	6	19,3	210000	6,0	1,07-1,32	1,4	7,7	11	$\min (N^0_{Rk,C}; N^0R_{k,p})$	$1,5 \times h_{ef}$	42	35	35	100	12,6	16,1	0,75	2,6	R30-R120	0,9-1,8	0,8-1,0	0,7-1,5