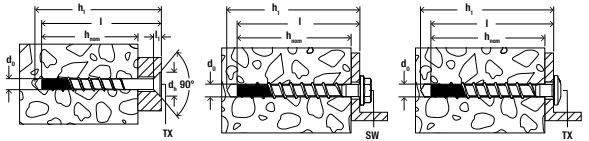
fischer UltraCut FBS II 6 R

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

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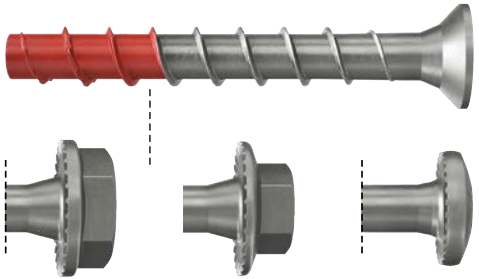
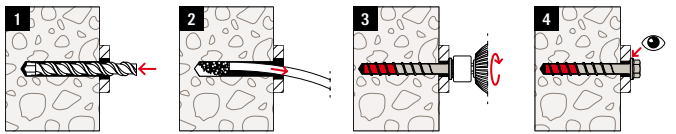


EN Operating instructions

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

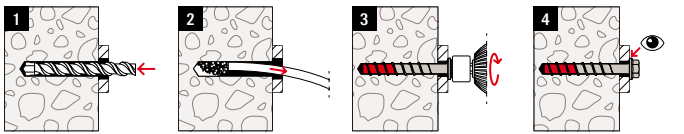
Only valid for h_{nom} = 60

1

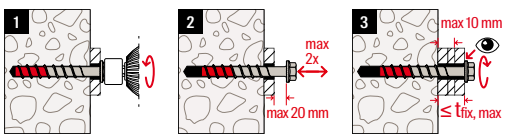


Post-installed fastening in cracked or uncracked concrete in redundant for non-structural systems, acc. ETA-24/0973; 25; EAD 330747-00-0601; DoP: 0371; www.fischer.de/sdb; 2873; fischerwerke GmbH & Co. KG, Klaus-Fischer-Str.1, 72178 Waldachtal

2.1



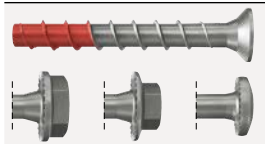
2.2



Performance parameter according to ETA-17/0740




$k_{cr,N}$=7,7; $k_{ucr,N}$=11; $c_{cr,N}$=1,5 x h_{ef}; $c_{cr,sp}$=1,5 x h_{ef}; k_7=0,75;
ψ_c=1,07-1,32; γ_{inst}=1,4;
Durability: (R) CRC III acc. to EN 1993-1-4;
Class A1 R30-R120

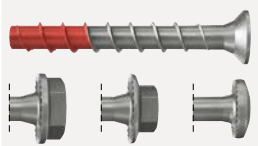


	Characteristic resistance to tension load (static and quasi-static loading)								Characteristic resistance to shear load (static and quasi-static loading)			Displacements				Characteristic resistance and displacements for seismic performance categories C1 or C2			Resistance to fire				
	$N_{Rk,s}$ [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_f [mm]	d_{nom} [mm]	$N_{Rk,s}$ [kN]	E_s [N/mm²]	$N_{Rk,p}$ [kN]	ψ_c [-]	γ_{inst} [-]	$k_{cr,N}$ [-]	$k_{ucr,N}$ [-]	$N^0_{Rk,sp}$ [kN]	$c_{cr,N}$ [mm]	$c_{cr,sp}$ [mm]	c_{min} [mm]	s_{min} [mm]	h_{min} [mm]	$V_{Rk,s}$ [kN]	$M^0_{Rk,s}$ [Nm]	k_7 [-]	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 x 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 x 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 x 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