

Dealer:

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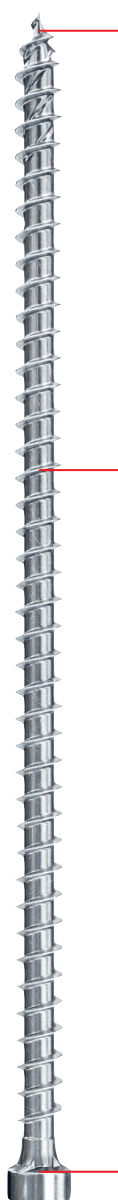


PowerFull II.
For economical connections
of load-bearing wood
constructions.



Premium full thread screw PowerFull II.

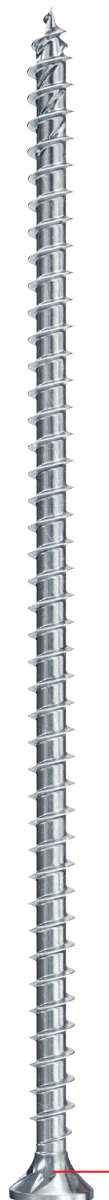
Ideal for wood-wood connections as well as pressed steel-wood connections.



Innovative tip geometry for fast driving and reduced splintering.

The increased thread pitch significantly reduces screwing times. **For fast installation.**

The cylindrical head with additional milling pockets ensures **clean countersinking of the head**. This can be countersunk deep into the wood using a long bit.



The special countersunk head with its milling pockets is perfect for fastening metal parts to wood. **There is no damage to the attached parts due to abrasion.**

Your advantages at a glance

- The unique core milling geometry makes low axial and edge distances as well as high loads possible.
- The innovative tip geometry ensures that screws are driven fast and reduces splintering of the substrate. The needle point makes the screw easy to place e.g. for angled screw connections even in extreme situations.
- The new screw geometry significantly improves the pull-out load capacity and optimises the screw-in torque.

Assessment / approval

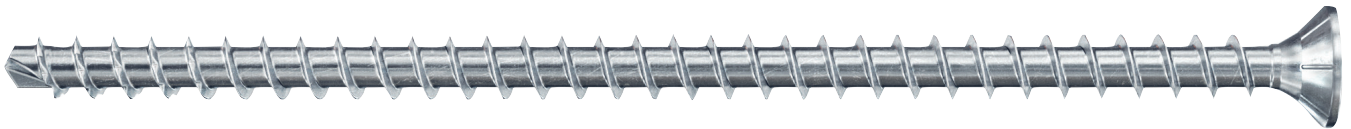


ETA-21/0751

Full thread screw PowerFull II Ø 10 and applications.

PowerFull II in diameter 10:

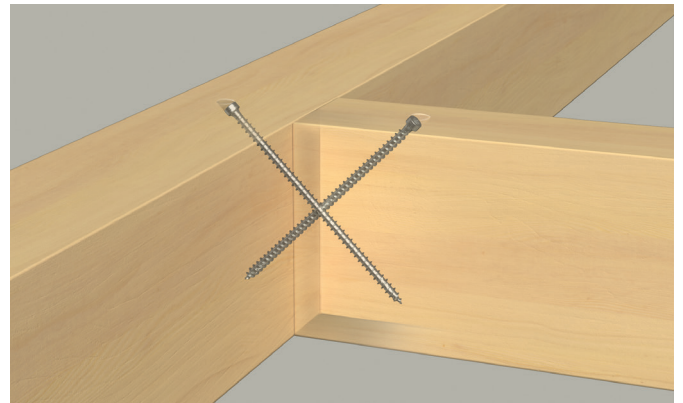
The PowerFull II with a diameter of 10 mm has a distinctly different geometry to the diameters 6 and 8 mm. The 10 mm screw has a drill point which creates a pre-drilling effect and stops the long screws running off centre. There is less risk of splintering in wood and the screw-in torque is reduced.



Applications:



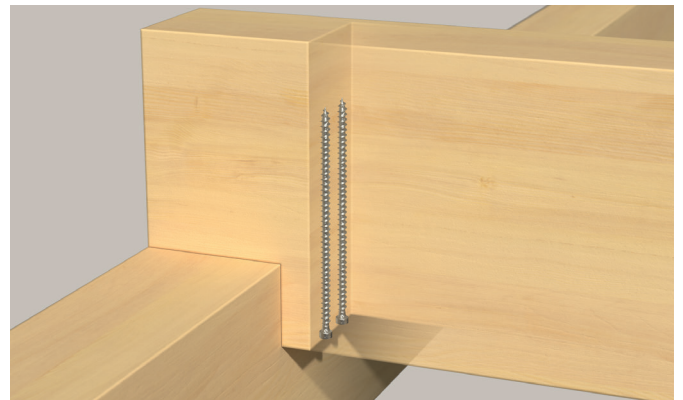
Lateral pressure reinforcement for footing



Main/supporting beam joint



Beam doubling (flexibly connected girders subject to bending)



Notch (reinforcement at the notched footing)

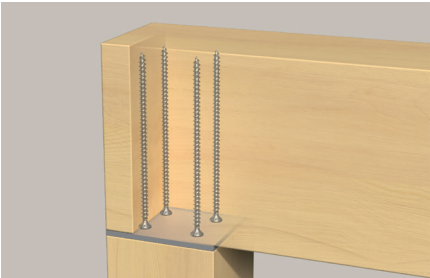
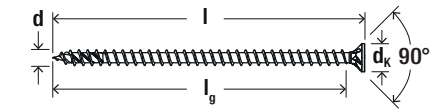
Assortment

Technical data



FPF II CTF BC

Material: Steel
Coating: Blue zinc plated
Drive: TX-Star recess
Threat: Full thread
Screw head: Countersunk head
Approval: ETA-21/0751 - Screw for the use in timber constructions



Diameter	Length	Thread length	Head-Ø	Drive	Item	Art.-No.	Sales unit	EAN Code
d	l	lg	dk				[pcs]	
[mm]	[mm]	[mm]	[mm]					
8,0	100	81	14,4	TX40	FPF II CTF 8,0x100 BC 50	562930	50	4048962445329
	120	101	14,4	TX40	FPF II CTF 8,0x120 BC 50	562931	50	4048962445336
	140	121	14,4	TX40	FPF II CTF 8,0x140 BC 50	562932	50	4048962445343
	160	141	14,4	TX40	FPF II CTF 8,0x160 BC 50	562933	50	4048962445350
	180	161	14,4	TX40	FPF II CTF 8,0x180 BC 50	562934	50	4048962445367
	200	181	14,4	TX40	FPF II CTF 8,0x200 BC 50	562935	50	4048962445374
	220	201	14,4	TX40	FPF II CTF 8,0x220 BC 50	562936	50	4048962445381
	240	221	14,4	TX40	FPF II CTF 8,0x240 BC 50	562937	50	4048962445398
	260	241	14,4	TX40	FPF II CTF 8,0x260 BC 50	562938	50	4048962445404
	280	261	14,4	TX40	FPF II CTF 8,0x280 BC 50	562939	50	4048962445411
	300	281	14,4	TX40	FPF II CTF 8,0x300 BC 50	562940	50	4048962445428
	350	331	14,4	TX40	FPF II CTF 8,0x350 BC 50	562941	50	4048962445435
10,0	400	381	14,4	TX40	FPF II CTF 8,0x400 BC 50	562942	50	4048962445442
	100	80	18,0	TX50	FPF II CTF 10,0x100 BC 50	562943	50	4048962445459
	120	100	18,0	TX50	FPF II CTF 10,0x120 BC 50	562944	50	4048962445466
	140	120	18,0	TX50	FPF II CTF 10,0x140 BC 50	562945	50	4048962445473
	160	140	18,0	TX50	FPF II CTF 10,0x160 BC 50	562946	50	4048962445480
	180	160	18,0	TX50	FPF II CTF 10,0x180 BC 50	562947	50	4048962445497
	200	180	18,0	TX50	FPF II CTF 10,0x200 BC 50	562948	50	4048962445503
	220	200	18,0	TX50	FPF II CTF 10,0x220 BC 50	562949	50	4048962445510
	240	220	18,0	TX50	FPF II CTF 10,0x240 BC 50	562950	50	4048962445527
	260	240	18,0	TX50	FPF II CTF 10,0x260 BC 50	562951	50	4048962445534
	280	260	18,0	TX50	FPF II CTF 10,0x280 BC 50	562952	50	4048962445541
	300	280	18,0	TX50	FPF II CTF 10,0x300 BC 50	562953	50	4048962445558

Assortment

Technical data



FPF II CHTF BC

Material: Steel

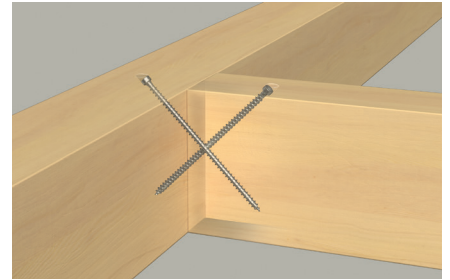
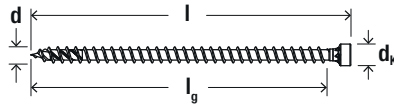
Coating: Blue zinc plated

Drive: TX-Star recess

Thread: Full thread

Screw head: Cylinder head

Approval: ETA-21/0751 - Screw for the use in timber constructions



Diameter	Length	Thread length	Head-Ø	Drive	Item	Art.-No.	Sales unit	EAN Code
d [mm]	l [mm]	l _g [mm]	d _k [mm]				[pcs]	
6,0	100	88	8,6	TX30	FPF II CHTF 6,0x100 BC 100	562954	100	4048962445565
	120	108	8,6	TX30	FPF II CHTF 6,0x120 BC 100	562955	100	4048962445572
	140	128	8,6	TX30	FPF II CHTF 6,0x140 BC 100	562956	100	4048962445589
	160	148	8,6	TX30	FPF II CHTF 6,0x160 BC 100	562957	100	4048962445596
	180	168	8,6	TX30	FPF II CHTF 6,0x180 BC 100	562958	100	4048962445602
	200	188	8,6	TX30	FPF II CHTF 6,0x200 BC 100	562959	100	4048962445619
8,0	160	141	10,7	TX40	FPF II CHTF 8,0x160 BC 50	562960	50	4048962445626
	180	161	10,7	TX40	FPF II CHTF 8,0x180 BC 50	562961	50	4048962445633
	200	181	10,7	TX40	FPF II CHTF 8,0x200 BC 50	562962	50	4048962445640
	220	201	10,7	TX40	FPF II CHTF 8,0x220 BC 50	562963	50	4048962445657
	240	221	10,7	TX40	FPF II CHTF 8,0x240 BC 50	562964	50	4048962445664
	260	241	10,7	TX40	FPF II CHTF 8,0x260 BC 50	562965	50	4048962445671
	280	261	10,7	TX40	FPF II CHTF 8,0x280 BC 50	562966	50	4048962445688
	300	281	10,7	TX40	FPF II CHTF 8,0x300 BC 50	562967	50	4048962445695
	350	331	10,7	TX40	FPF II CHTF 8,0x350 BC 50	562968	50	4048962445701
	400	381	10,7	TX40	FPF II CHTF 8,0x400 BC 50	562969	50	4048962445718
10,0	300	280	12,5	TX50	FPF II CHTF 10,0x300 BC 25	562970	25	4048962445725
	320	300	12,5	TX50	FPF II CHTF 10,0x320 BC 25	562971	25	4048962445732
	340	320	12,5	TX50	FPF II CHTF 10,0x340 BC 25	562972	25	4048962445749
	360	340	12,5	TX50	FPF II CHTF 10,0x360 BC 25	562973	25	4048962445756
	380	360	12,5	TX50	FPF II CHTF 10,0x380 BC 25	562974	25	4048962445763
	400	380	12,5	TX50	FPF II CHTF 10,0x400 BC 25	562975	25	4048962445770
	450	430	12,5	TX50	FPF II CHTF 10,0x450 BC 25	562976	25	4048962445787
	500	480	12,5	TX50	FPF II CHTF 10,0x500 BC 25	562977	25	4048962445794
	550	530	12,5	TX50	FPF II CHTF 10,0x550 BC 25	562978	25	4048962445800
	600	580	12,5	TX50	FPF II CHTF 10,0x600 BC 25	562979	25	4048962445817

PowerFast II. Discover the entire assortment of screws from fischer.

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GERMAN
DESIGN
AWARD
WINNER
2020



red**dot** winner 2020
innovative product

fischer design software WOOD-Fix.



Safe and convenient design

- The design principles follow European Technical Assessment (ETA) and DIN EN 1995-1-1 (Eurocode EC5), including a free choice of national application document (NAD).
- Simple and quick operation by entering the values in the Toolbox.
- Safe and reliable: The program recognises incorrect entries regarding geometrical conditions.
- Clear and flexible: Choice of representation in 2D or 3D. The graphics can be panned, tilted and zoomed.
- Always up-to-date thanks to automatic or manual "Live Update" function.

The application-based software

- The software contains numerous different and newly added application cases from day-to-day work. This allows you as a user or planner to work efficiently and design projects for realisation with fischer screws. Calculation of applications with fischer PowerFast screws ($\varnothing 3,0 \times 20 - 10,0 \times 400 \text{ mm}$) and fischer PowerFull II screws ($\varnothing 6,0 \times 100 - 10,0 \times 600 \text{ mm}$).

Up to now, the following modules are available.

Rooftop insulation – for various roof shapes:

- Gable roof, monopitch roof and hipped roof
- Façade insulation general connection

General connection:

- Connection of main / secondary girders
- Lateral pressure reinforcement for footing
- Notch (reinforcement at the notched footing)
- Beam doubling (flexibly connected girders subject to bending)
- Abutment restoration
- Breakthrough (reinforcement at girder breakthroughs)
- Transverse connection
- Transverse pressure reinforcement
- Tensile shear connection