fischer

Catalogue
Screws



Foreword

Dear partners,

Our fischer group of companies guarantees you safety, quality and efficiency in construction. More than 75 years of inexhaustible innovative strength and technological fastening expertise flow into the continuous further development of our products and systems. Our primary goal is to always find the best solution for your wishes, concerns and projects, valued customers. This is how we increase our mutual success.

One of the oldest building materials is experiencing a renaissance: wood is more popular than ever in the construction industry. This trendy building material impresses with its ecological, economic, health and technological advantages. Our range of screws enables you to flexibly connect wood in all its facets and get the most out of it. In terms of technology and quality, the products fulfil the highest standards in the industry. Our screws also speed up and simplify assembly - and therefore your application and project success.

Our new PowerFull II and PowerFast II timber construction screws increase the safety, precision, speed and flexibility of your applications. The advanced professional solutions are ideal for numerous applications in structural timber construction, for sheet steel-wood connections and much more. Our fully threaded (PowerFull II) and partially threaded (PowerFast II) screws guarantee particularly efficient and economical work.

We also offer you a wide range of chipboard screws. Our innovative fischer PowerFast II is suitable for all wood-wood and metal-wood connections as well as for use with tested loads in fischer plastic plugs. Our portfolio includes other clever problem-solvers, such as our FAFS adjusting screw, which speeds up, simplifies and customises the infinitely adjustable assembly of timber constructions.

Our wide range of screws always contains the right solution for processing wood as required and covers almost all applications for carpenters, joiners and timber constructors. The European Technical Assessment (ETA) provides certainty about the load-bearing capacity.

Dear partners, with our new screw catalogue, we offer you a clever helper that makes it easier for you to research products for your fastening tasks in all aspects of building and working with wood and gives you clarity on all application questions.

We hope you enjoy discovering and using our screws!

Alexander Bässler



Speaker of the Board of Directors
at the fischer Group of Companies



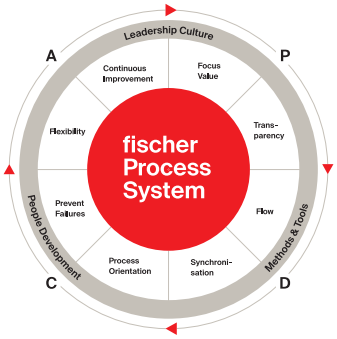
“Whoever chooses fischer receives more than a range of safe products. The aim is to always develop the best solutions for our customers across the globe.”

Besides the innovative products, this predominantly concerns support that is focused on the customer, and services designed to improve customer benefit.

A brand and its promise to perform.

Continuous improvement

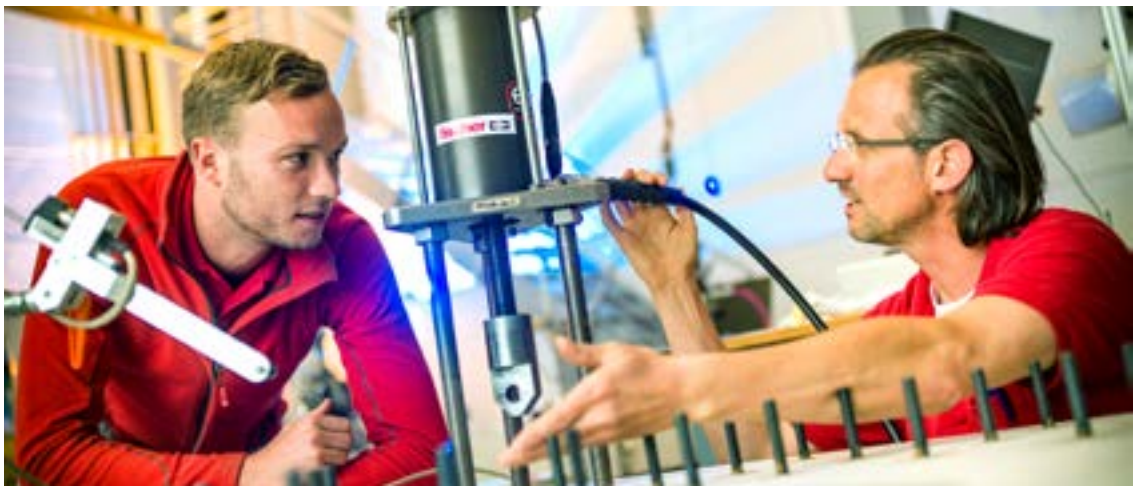
With the fischer ProzessSystem (fPS) we ensure that we are adapting and optimising our processes in line with customer requirements in a flexible manner and on a continuous basis.



Safety that connects. Decisive quality

We don’t make any compromises when it comes to the safety of our products. A whole host of our products are distinguished by comprehensive, up-to-date and international approvals. The fischer product range is well-positioned in all sectors of fixing technology – steel, nylon and chemcial fixings. Our award-winning quality continues to impress both professional clients and private customers with equal measure.

International approvals characterise many of our products.





Always on the pulse of time

At fischer, innovation is more than just the sum of our patent portfolio. We are open to new challenges and are prepared for change – always with the aim of offering our customers the greatest possible benefits. Over the years, our own development and production sites have been developing numerous fixing solutions for the most wide-ranging applications. Be it new production procedures or materials, such as renewable raw materials, we are carrying out the research for your safety and will continue to do so in the future. This gives us such great flexibility that we can even develop tailor-made customer solutions. This power to innovate has seen fischer become a market leader in anchor technology and the fixing industry.

Our service to you

We are a reliable partner, one that will stand at your side and address your individual requirements with advice and action:

- Our products range from chemical systems to steel anchors through to plastic anchors.
- Competence and innovation through own research, development and production.
- Global presence and active sales service in over 100 countries.
- Qualified technical consulting for economical and compliant fastening solutions.
- Training sessions, some with accreditation, at your premises, at the fischer academy or on the construction site as requested.
- Design and construction software for demanding applications.

We take responsibility

Our active environment management policy means that we are helping to maintain an intact environment for our generation and for those that follow. The environment management policy at the Tumlingen headquarters has been certified in line with DIN EN ISO 14001.
It fills us with particular pride that in 2020 we received the most important and largest award in Europe in the field of sustainability: the German Sustainability Award – in the category large companies. This was in recognition of our holistic approach and the strategic anchoring of our sustainability management. With our greenline products we have launched the first range of fixings on the market that is based on renewable raw materials to more than 50%.



German Sustainability Award

Plus X Award – Sustainability

Lean & Green Management Award

German Green Brand Award

GreenLine assortment based on 50% regrowing raw materials

Climate Protection Company

PowerFast II.
The chipboard screw for fast and flexible applications.



GERMAN DESIGN AWARD WINNER 2020

reddot winner 2020
innovative product

Innovations that inspire professionals.

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1 Selection guide

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Screws										
						Thread				
		Short designation	Diameter [mm]	Length [mm]	Head shape	Partial thread	Full thread	Fine thread	Coarse thread	HiLo thread
Chipboard screw PowerFast II		FPF II CTP BC	3,0 – 6,0	35 – 300	Countersunk head	●	–	–	–	–
		FPF II CT25P BC	5,0	50 – 120	Countersunk head	●	–	–	–	–
		FPF II CTF BC	3,0 – 6,0	12 – 70	Countersunk head	–	●	–	–	–
		FPF II CTP BZ	3,5 – 6,0	30 – 220	Countersunk head	●	–	–	–	–
		FPF II CTX25P BZ	5,0	50 – 120	Countersunk head	●	–	–	–	–
		FPF II CTF BZ	3,5 – 4,5	20 – 25	Countersunk head	–	●	–	–	–
		FPF II CZP BC	3,0 – 6,0	35 – 300	Countersunk head	●	–	–	–	–
		FPF II CZF BC	3,0 – 6,0	12 – 60	Countersunk head	–	●	–	–	–
		FPF II PTP BC	6,0	80 – 100	Pan head	●	–	–	–	–
		FPF II PTF BC	3,0 – 6,0	12 – 60	Pan head	–	●	–	–	–
		FPF II PZF BC	3,0 – 6,0	12 – 70	Pan head	●	–	–	–	–
		FPF II RZF BC	3,5 – 4,0	16 – 45	Raised countersunk head	–	●	–	–	–
		FPF II STP BC	5,0 – 6,0	50 – 180	Stepcountersunk head	●	–	–	–	–
		FPF II WTP BC	6,0	60 – 300	Flange head	●	–	–	–	–
		Adjusting screw FAFS	5,0	80 – 120	Countersunk head	●	–	–	–	–
Chipboard screws ClassicFast II		FSP II CTP BC	3,5 – 6,0	30 – 200	Countersunk head	●	–	–	–	–
		FSP II CTF BC	3,0 – 6,0	16 – 50	Countersunk head	–	●	–	–	–
		FSP II CZP BC	3,0 – 6,0	30 – 200	Countersunk head	●	–	–	–	–
		FSP II CZF BC	3,0 – 6,0	12 – 60	Countersunk head	–	●	–	–	–
		FSP II CZP YC	3,0 – 6,0	45 – 200	Countersunk head	●	–	–	–	–
		FSP II CZF YC	3,0 – 6,0	16 – 60	Countersunk head	–	●	–	–	–
NEW. **Wood construction screws PowerFast II**		FPF II CTP BC	8,0 – 10,0	80 – 500	Countersunk head	●	–	–	–	–
		FPF II STP BC	8,0	80 – 400	Stepcountersunk head	●	–	–	–	–
		FPF II WTP BC	8,0 – 10,0	60 – 500	Flange head	●	–	–	–	–
		FPF II HWTF BC	8,0 – 12,0	80 – 140	Hex head	●	–	–	–	–
Washer		FWC CS ZP	6,0 – 12,0		for Countersunk head	–	–	–	–	–

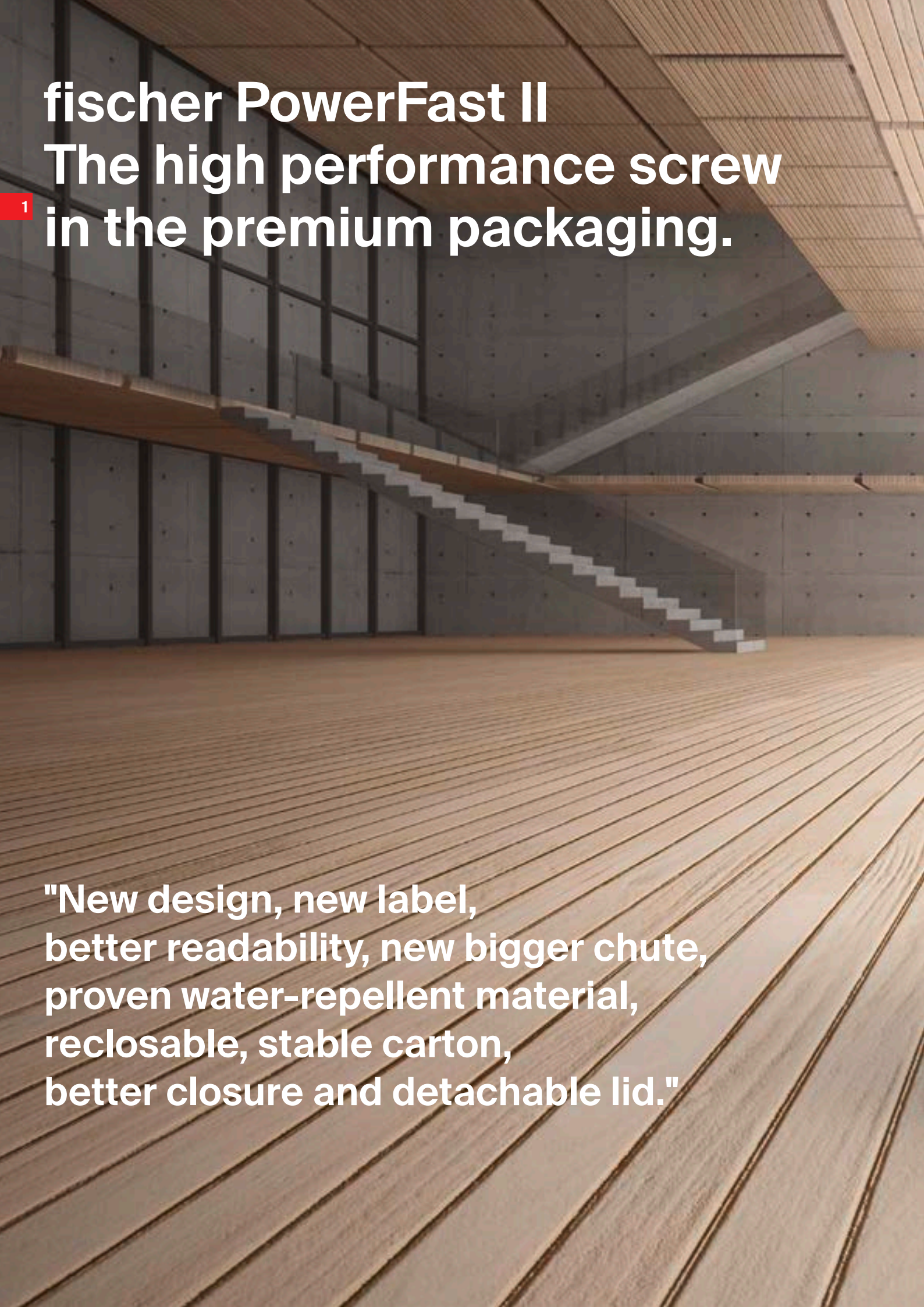
Drive			Material			Coating				Approval		Page
TX star recess	PZ cross-slot	PH cross-slot	Steel	A2 stain-less steel	A4 stain-less steel	Blue zinc-plated	Yellow zinc-plated	Phosphated	Bonus-zinc	ETA	CE label	
●	–	–	●	–	–	●	–	–	–	●	●	34
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●	–	–	●	–	–	●	–	–	–	●	●	42
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Screws		Short designation	Diameter [mm]	Length [mm]	Head shape	Thread: Partial thread	Thread: Full thread	Thread: Fine thread	Thread: Coarse thread	Thread: HiLo thread
NEW. Full threat screws PowerFull II		FPF II CTF BC	8,0 – 10,0	100 – 300	Countersunk head	–	●	–	–	–
		FPF II CHTF BC	6,0 – 10,0	100 – 400	Cylinder head	–	●	–	–	–
		FIF-ZT ZPF	8,0	225 – 435	Cylinder head	–	●	–	–	–
Chipboard screws PowerFast stainless steel		FPF-SZ A2P	3,5 – 6,0	35 – 160	Countersunk head	●	–	–	–	–
		FPF-SZ A2F	3,0 – 5,0	20 – 35	Countersunk head	–	●	–	–	–
		FPF-ST A2P	3,5 – 6,0	35 – 200	Countersunk head	●	–	–	–	–
		FPF-WT A2P	6,0	60 – 200	Countersunk head	●	–	–	–	–
		FPF-ST A2F	3,0 – 5,0	12 – 35	Countersunk head	–	●	–	–	–
		FPF-ST A2P	4,0 – 6,0	35 – 120	Countersunk head	●	–	–	–	–
		FPF-ST A2F	3,0 – 5,0	16 – 35	Countersunk head	–	●	–	–	–
		FPF-PT A2F	3,0 – 6,0	12 – 60	Pan head	–	●	–	–	–
		FPF-LZ A2F	3,0 – 5,0	16 – 60	Raised countersunk head	–	●	–	–	–
Special screws zinc-plated		FDF-ST YZP	3,5 – 4,5	40 – 50	Countersunk head 75°	●	–	–	–	–
		FTF-ST YZP	3,5	35 – 55	Small countersunk head 60°	●	–	–	–	–
		FPF-PT ZPF	5,0	35 – 50	Pan head	–	●	–	–	–
Special screws stainless steel		FFSII-RT6	4,5 – 5,0	40 – 80	Countersunk head 60°	●	–	–	–	–
		FTS-ST A2P	5,0	40 – 80	Flat countersunk head D 8.2	●	–	–	–	–
		FPF-ST A2P	5,5	40 – 80	Flat countersunk head D 7.5	●	–	–	–	–
		FJS-LT A2F	7,0	40 – 50	Round head centring D 13.5	–	●	–	–	–
Drywall screws		FSN-TPR	3,9	25 – 55	Trumpet shape head	–	●	–	●	–
		FSN-TP	3,5 – 3,9	25 – 70	Trumpet shape head	–	●	–	●	–
		FSN-TPD	3,5 – 3,9	25 – 55	Trumpet shape head	–	●	●	–	–
		FSN-TPB	3,5	25 – 55	Trumpet shape head	–	●	●	–	–
		FSN-TPG	3,9	19 – 55	Countersunk head	–	●	–	–	●
		FSN-FP / FPB	4,2	13	Flat round head	–	●	–	–	–

Drive			Material			Coating				Approval		Page
TX star recess	PZ cross-slot	PH cross-slot	Steel	A2 stain-less steel	A4 stain-less steel	Blue zinc-plated	Yellow zinc-plated	Phosphated	Bonus-zinc	ETA	CE label	
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Load tables see page 223

fischer PowerFast II
The high performance screw in the premium packaging.



"New design, new label,
better readability, new bigger chute,
proven water-repellent material,
reclosable, stable carton,
better closure and detachable lid."

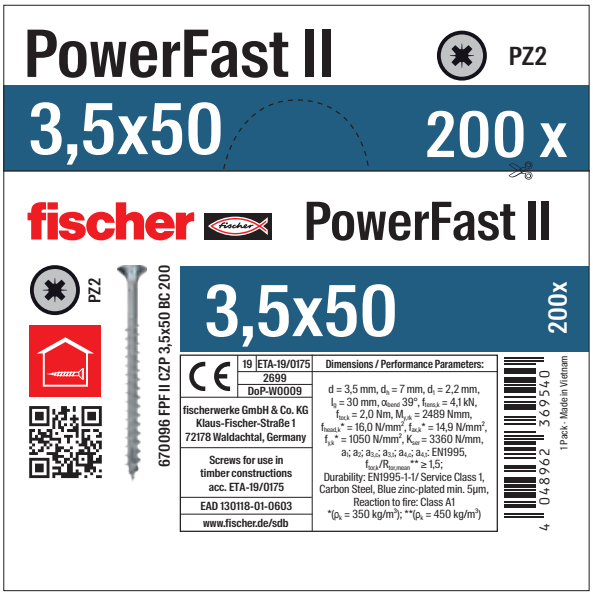

fischer PowerFast II
5,0x50
100x
fischer PowerFast II
6,0x100
100x
fischer
fischer PowerFast II
5,0x120
100x
fischer

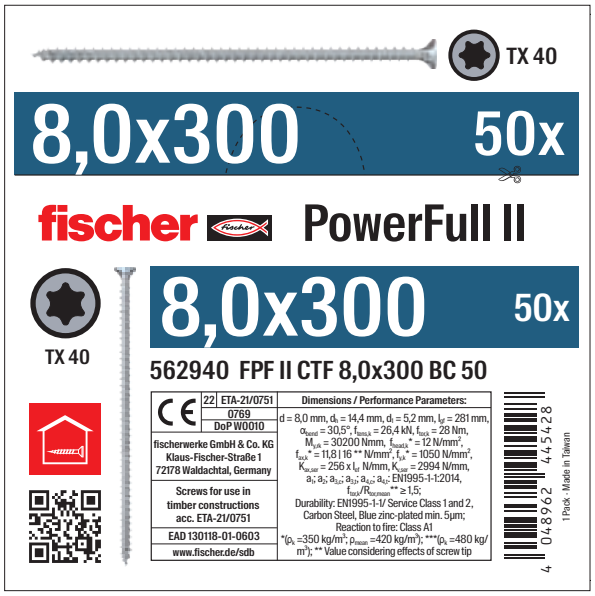
The existing fischer screw box.




fischer
PowerFast II
10,0 x 280
50x
TX 40
566348 FPF II WTP 10,0x280 BC 50
fischer
fischer
PowerFull II
8,0x220
50x
TX 40
582936 FPF II CTF 8,0x220 BC 50
fischer

1 The fischer screw labels





The label colour means

- Blue zinc plated screws such as PowerFast II
- Chipboard screw stainless steel
- Special screw zinc-plated and stainless steel
- Phosphated Drywall screw

Available in the following drive shapes

- TX star recess
- PZ cross-slot
- PH cross-slot

The usage symbols recommend the areas of use



For use indoors



For protected use outdoors



For use outdoors

The meaning of the screw designations

Abbreviation explanation

FPF ST 3,0 x 30 ZPF 200

FPF = fischer PowerFast
FSP = fischer ClassicFast
FPF = fischer Wood construction screw
FPF = fischer PowerFull
FWC = fischer Washer for FPF
FHT = fischer Hinge tape screw
FDF = fischer MDF Plate screw
FTF = fischer Floorboard screw
FFS = fischer Wood façade screw
FTS = fischer Terrace screw
FJS = fischer Jamb screw
FSN = fischer Drywall screw
FPS = fischer Profile connecting screw

FPF ST 3,0 x 30 ZPF 200

ST = Countersunk head with TX star recess
SZ = Countersunk head PZ cross-slot
PT = Pan head with TX star recess
PZ = Pan head with PZ cross-slot
LT/RT = Raised countersunk head with TX star recess
LZ = Raised countersunk head with PZ cross-slot
SH = Small countersunk head
HH = Countersunk head with head hole
HT = Hex head with TX star recess
WT = Flange head with TX star recess
ZT = Cylinder head with TX star recess
FP = Flat round head with PH cross-slot
TPD = Trumpet shape head with fine thread
TPR = Trumpet shape head with coarse thread
TPB = Trumpet shape head with fine thread and drill tip
FPB = Flat round head with PH cross-slot and drill tip
TPG = Trumpet shape head with HiLo thread

FPF ST 3,0 x 30 ZPF 200

Screw diameter & screw length

FPF ST 3,0 x 30 ZPF 200

ZPF = Blue zinc-plated with Full thread
ZPP = Blue zinc-plated with Partial thread
YZF = Yellow zinc-plated with Full thread
YZP = Yellow zinc-plated with Partial thread
A2 = A2 stainless steel
A4 = A4 stainless steel

FPF ST 3,0 x 30 ZPF 200

Number of screws in the packaging

Abbreviation explanation

FPF II CTF 3,0 x 30 BC 200

FPF II = fischer PowerFast II

FPF II CTF 3,0 x 30 BC 200

CTF = Countersunk head with TX star recess & Full thread
CTP = Countersunk head with TX star recess & Partial thread
CHTF = Cylinder head with TX star recess & Full thread
CZF = Countersunk head with PZ cross-slot & Full thread
CZP = Countersunk head with PZ cross-slot & Partial thread
PTF = Pan head with TX star recess & Full thread
PZF = Pan head with PZ cross-slot & Full thread
PTP = Pan head with TX star recess & Partial thread
RZF = Raised countersunk head with PZ cross-slot & Full thread
STP = Stepcountersunk head with TX star recess & Partial thread
WTP = Flange head with TX star recess & Partial thread

FPF II CTF 3,0 x 30 BC 200

Screw diameter & screw length

FPF II CTF 3,0 x 30 BC 200

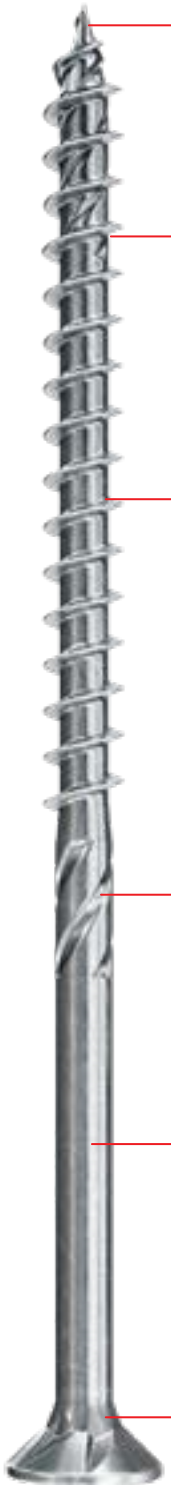
BC = Blue zinc-plated
BZ = Bonus-zinc

FPF II CTF 3,0 x 30 BC 200

Number of screws in the packaging

1

fischer PowerFast II Chipboard screw



Special tip geometry
The three ribs on the tip, ensure a quick bite and pre-drilling. For a **fast bite** and **reduced splitting.**

Core cutter geometry
The innovative core-miller geometry enables precise milling and perfect swarf removal. This makes **small edge** and **spacing distances** possible.

Thread lead
The increased thread pitch significantly reduces the installation time. For **fast assembly.**

Additional shank ribs
The shank-miller in combination with the core-miller geometry is designed to reduce the installation torque. This means that more screws can be installed with the **same battery** and **less effort.**

Adapted screw geometry
The new PowerFast II with its unique screw geometry combines the highest **technical know-how** with **excellent design.**

Underhead geometry
The special underhead geometry with optimized double cone and milling pockets ensure less cracking in timber and less damage to metal components. **For better finished surfaces.**

reddot winner 2020
innovative product

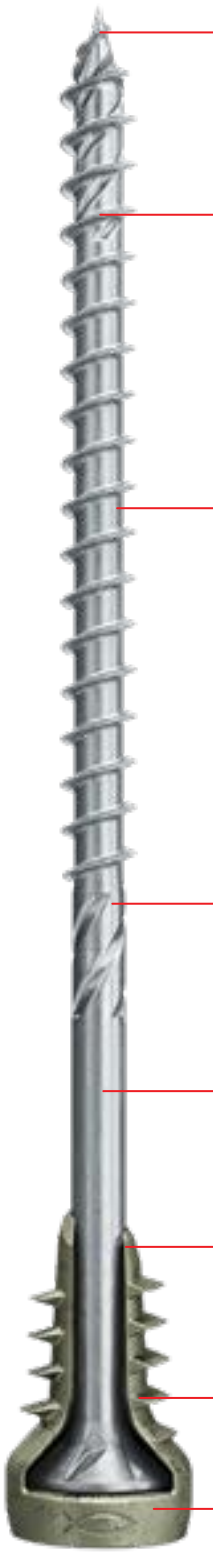
GERMAN DESIGN AWARD WINNER 2020

Outstanding: Winner of the Red Dot Award 2020 and the German Design Award 2020.

Approval

ETA CE

NEW.
fischer Adjusting screw FAFS



Special tip geometry
The three ribs on the tip, ensure a quick bite and pre-drilling. For a **fast bite** and **reduced splitting.**

Core cutter geometry
The innovative core-miller geometry enables precise milling and perfect swarf removal. This makes **small edge** and **spacing distances** possible.

Thread lead
The increased thread pitch significantly reduces the installation time. For **fast assembly.**

Additional shank ribs
The shank-miller in combination with the core-miller geometry is designed to reduce the installation torque. This means that more screws can be installed with the **same battery** and **less effort.**

Adapted screw geometry
The new PowerFast II with its unique screw geometry combines the highest **technical know-how** with **excellent design.**

Adjustment
No rotation of the clip during adjustment. Screw head retains its position **flush with the surface** of the attachment.

Clip thread
Thread on clip **allows for disassembly.**

Head geometry
Stepless and **precise adjustment** of the attachment for **quick** and **comfortable adjustment.**

fischer ClassicFast FSP II Chipboard screw



Tip geometry
Easy to screw in thanks to the geometry of the tip.

Thread geometry
The full thread offers **increased extraction resistance.** The partial thread creates an effect of the **pulling together** of the wooden parts to be joined.

Flat countersunk head
Flat countersunk head allows for **even surfaces** and the installation of metal fittings.

NEW.

fischer PowerFast II Wood construction screw



Special tip geometry
The screw tip with the three ribs provides fast biting and pre-milling at the same time. **Fast setting** is ensured, the **splitting behavior is noticeably reduced** for the user.

Thread pitch
The increased thread pitch **significantly reduces the installation time,** allowing the user to complete projects more economically.

Thread geometry
The new, patented core cutter geometry enables precise milling and good extraction of the wood dust. This allows **small edge and center distances** and makes various wood constructions possible.

Additional shank ribs
The newly designed shank-miller is optimally matched to the core-miller and **reduces the screw-in torque.**

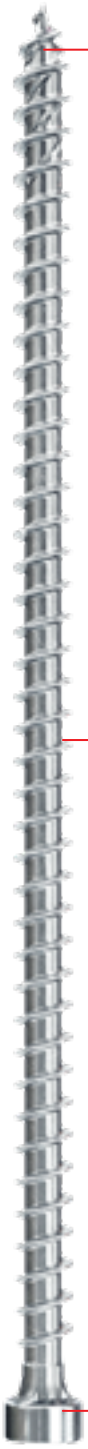
High performance easy-glide coating
The high performance easy-glide coating reduces screw-in torque. For **longer battery life and a smooth installation.**

Stepcountersunk head
In contrast to a standard flange head, the flat head can be completely countersunk in the wood and does not protrude. This allows **a second component to lie flush** or to be screwed on.

Approval

ETA CE

NEW.
fischer PowerFull II Full thread screw



Tip geometry
Innovative tip geometry for **fast driving** and **reduced splintering.**

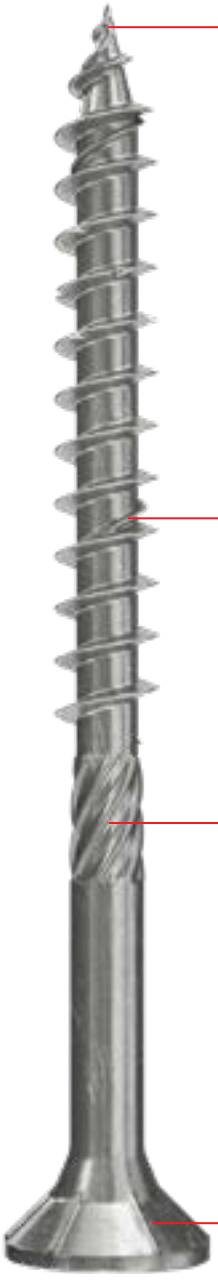
Thread geometry
The increased thread pitch significantly reduces screwing times. **For fast installation.**

Small cylinder head
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.

Approval

ETA CE

fischer PowerFast Chipboard screw stainless steel



Special tip geometry
The special thread, which extends right to the tip, ensures an **extremely fast bite.** Especially on hard surfaces, e.g. coated chipboard.

Double thread
The front double thread **reduces the risk of the wood splitting.** Meanwhile, the central double thread provides the screw with **continuous feed.** Screwing close to the edge **without pre-drilling** is no problem.

Additional shank ribs
They expand the "drill hole" and considerably reduce screw-in torque. This helps to **reduce the force required and spare the battery life,** especially when screwing with a long shank.

Underhead milling ribs
The underhead milling ribs allows for easy counter sinking of the head, and a **precise and neat surface finish.**

Approval

ETA CE

fischer special screw
Wood floor screw



Cut notch in the thread tip
The thread, with a specially milled cut notch, ensures an **extremely fast bite.**

Double thread
The central double thread provides the screw with **continuous feed.** Screwing close to the edge **without pre-drilling** is no problem.

Small countersunk head
The adapted 60° countersunk head with underhead milling ribs makes it **easy to sink** the head and creates a **neat finish.** It is ideal for **hidden screwing** in the tongues of floor boards.

fischer Terrace screw



Special tip geometry
The special thread up into the tip provides an **extremely fast bite,** as well as precise setting, thus **preventing the screw from wobbling** during initial positioning.

Adapted thread diameter
The thread diameter of 5.5 mm makes the screw **extremely stable** and **prevents the screw from twisting.**

Double thread
The dual double thread protects the drive, even in hard and tropical woods and **minimises the risk of splitting.**

Locking thread
The additional underhead thread provides a **stable and lasting fixing** for the coating on the sub-structure. As such, it also prevents squeeking caused by the wood shrinking.

Flat countersunk head
A small countersunk head combined with the underhead milling pockets **ensures a clean, splinter-proof and easy insertion** of the screw.

fischer
Wood façade screw



Cut notch in the thread tip
The thread, with a specially milled cut notch, ensures an **extremely fast bite.**

Double thread
The central double thread provides the screw with continuous feed. Screwing close to the edge **without pre-drilling** is no problem.

Additional shank ribs
They expand the "drill hole" and considerably reduce screw-in torque. This helps to **reduce the force required and spare the battery life,** especially when screwing with a long shank.

Small countersunk head
The adapted 60° countersunk head with underhead milling ribs makes it **easy to sink** the head and creates a **neat finish.**

Approval

ETA CE

fischer Drywall screw



Screw tip
The screw tip is **suitable for use in wood or metal sub-structures.**

Maximum load-bearing capacity
The integrated large thread guarantees **optimum force transmission.** This leads to a **fast screwing with tensile strength** in wood. Fine and HiLo thread options are also available for use with various panelling and sub-structures.

Trumpet shape head
It prevents the destruction of the plaster layer on the gypsum plasterboard, thus ensuring a **secure hold** in the panel.

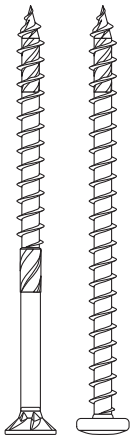


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Chipboard screws PowerFast II

Chipboard screw PowerFast FPF II CTP BC	34	
Chipboard screw PowerFast FPF II CT25P BC	40	
Chipboard screw PowerFast FPF II CTF BC	42	
Chipboard screw PowerFast FPF II CTP BZ	47	
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Adjusting screw FAFS	82	

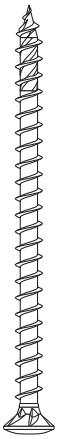
For fast and flexible processing.



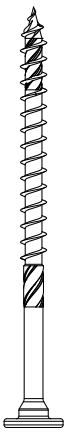
Head shape variants

Countersunk head
- For surface-flush screwing
- Can be easily sunk to create a clean surface finish

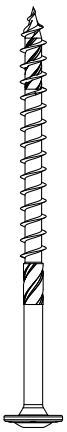
Pan head
- For metal and timber connections
- Full-surface layer for maximum clamping force



Raised countersunk head
- Countersunk head with concavity
- For applications where the screws are visible
- Easy to sink and clean surface finish



Stepcountersunk
- The stepcountersunk head can also be easily countersunk like the normal countersunk head and has the additional advantage of higher pull-out values due to the large head diameter.



Flange head
- The flange head with inner star TX drive guarantees a greater contraction effect as well as a significantly increased head pull-through resistance.

Full thread screws

- Typically used for steel-timber connections
- No contraction effect
- The chipboard screw with full thread offers a high pull-out resistance thanks to the longer thread
- No shank ribs

Partial thread screws

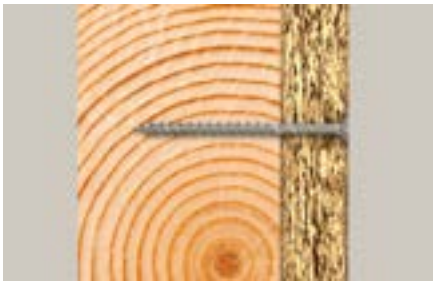
- Typically used for timber-timber connections
- The partial thread screws allow for a contraction effect
- With additional shank ribs from a screw length of 50 mm



PowerFast FPF II CTP BC

The chipboard screw with countersunk head, TX recess and partial thread







Applications

- For use in load-bearing wooden constructions, for the connection of solid wood parts as well as glued laminated timber, cross laminated timber, etc.
- For metal parts to wood, e.g. metal fittings, angles, beam shoes and other metal and wood connections.
- Suitable for use with fischer plugs and recommended loads.

Advantages

- The screw geometry of the PowerFast II enables fast applications.
- Installation is easy, comfortable and flexible.
- The chipboard screw has significantly reduced splitting behavior in comparison with standard chipboard screws.
- The PowerFast II with high performance wax coating reduces screw-in torque and allows smooth installation.
- The blue passivated zinc plating does not contain chrome VI and is therefore environmentally friendly.

Certificates

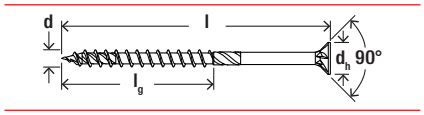
ETA-19/0175, for timber constructions

Building materials

- Solid wood parts (soft wood and hard wood)
- Glued-laminated timber
- Cross-laminated timber
- Veneer laminated timber
- Similar glued wood components and woodbased panels

Functioning

- Screws with partial threads can lock wood parts into place by tightening them against each other.
- Screws with countersunk head can be flush mounted with the wood.



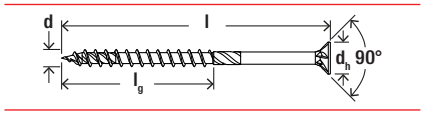
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Chipboard screw PowerFast FPF II CTP BC



FPF II CTP BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CTP 3.0 x 35 BC 200	670016	●	3.0	35	24	6.0	TX10	200
FPF II CTP 3.0 x 35 BC 500	670017	●	3.0	35	24	6.0	TX10	500
FPF II CTP 3.0 x 40 BC 200	670018	●	3.0	40	28	6.0	TX10	200
FPF II CTP 3.0 x 40 BC 500	670019	●	3.0	40	28	6.0	TX10	500
FPF II CTP 3.0 x 45 BC 200	670020	●	3.0	45	30	6.0	TX10	200
FPF II CTP 3.0 x 45 BC 500	670021	●	3.0	45	30	6.0	TX10	500



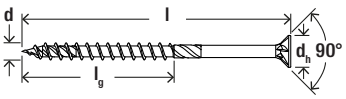
ø 3.5

Chipboard screw PowerFast FPF II CTP BC



FPF II CTP BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CTP 3.5 x 25 BC 200	670622	●	3.5	25	18	7.0	TX20	200
FPF II CTP 3.5 x 25 BC 300	670108	●	3.5	25	18	7.0	TX20	300
FPF II CTP 3.5 x 25 BC 1000	670135	●	3.5	25	18	7.0	TX20	1000
FPF II CTP 3.5 x 30 BC 200	670080	●	3.5	30	18	7.0	TX20	200
FPF II CTP 3.5 x 30 BC 300	670109	●	3.5	30	18	7.0	TX20	300
FPF II CTP 3.5 x 30 BC 500	670123	●	3.5	30	18	7.0	TX20	500
FPF II CTP 3.5 x 35 BC 200	670081	●	3.5	35	24	7.0	TX20	200
FPF II CTP 3.5 x 35 BC 500	670124	●	3.5	35	24	7.0	TX20	500
FPF II CTP 3.5 x 35 BC 1000	670136	●	3.5	35	24	7.0	TX20	1000
FPF II CTP 3.5 x 40 BC 200	670082	●	3.5	40	28	7.0	TX20	200
FPF II CTP 3.5 x 45 BC 200	670083	●	3.5	45	30	7.0	TX20	200
FPF II CTP 3.5 x 45 BC 500	670125	●	3.5	45	30	7.0	TX20	500
FPF II CTP 3.5 x 40 BC 1000	670137	●	3.5	40	28	7.0	TX20	1000
FPF II CTP 3.5 x 50 BC 200	670084	●	3.5	50	30	7.0	TX20	200
FPF II CTP 3.5 x 50 BC 500	670126	●	3.5	50	30	7.0	TX20	500



ø 4.0

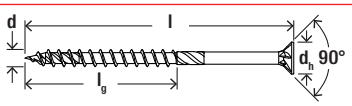
Chipboard screw PowerFast FPF II CTP BC



2

FPF II CTP BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CTP 4.0 x 30 BC 50	670649	●	4.0	30	18	8.0	TX20	50
FPF II CTP 4.0 x 30 BC 200	670164	●	4.0	30	18	8.0	TX20	200
FPF II CTP 4.0 x 30 BC 500	670165	●	4.0	30	18	8.0	TX20	500
FPF II CTP 4.0 x 30 BC 1000	670626	●	4.0	30	18	8.0	TX20	1000
FPF II CTP 4.0 x 35 BC 50	670651	●	4.0	35	24	8.0	TX20	50
FPF II CTP 4.0 x 35 BC 200	670167	●	4.0	35	24	8.0	TX20	200
FPF II CTP 4.0 x 35 BC 500	670168	●	4.0	35	24	8.0	TX20	500
FPF II CTP 4.0 x 35 BC 1000	670166	●	4.0	35	24	8.0	TX20	1000
FPF II CTP 4.0 x 40 BC 50	670653	●	4.0	40	28	8.0	TX20	50
FPF II CTP 4.0 x 40 BC 200	670170	●	4.0	40	28	8.0	TX20	200
FPF II CTP 4.0 x 40 BC 1000	670169	●	4.0	40	28	8.0	TX20	1000
FPF II CTP 4.0 x 45 BC 50	670655	●	4.0	45	30	8.0	TX20	50
FPF II CTP 4.0 x 45 BC 200	670171	●	4.0	45	30	8.0	TX20	200
FPF II CTP 4.0 x 45 BC 500	670172	●	4.0	45	30	8.0	TX20	500
FPF II CTP 4.0 x 50 BC 50	670657	●	4.0	50	30	8.0	TX20	50
FPF II CTP 4.0 x 50 BC 200	670173	●	4.0	50	30	8.0	TX20	200
FPF II CTP 4.0 x 50 BC 500	670174	●	4.0	50	30	8.0	TX20	500
FPF II CTP 4.0 x 60 BC 50	670658	●	4.0	60	36	8.0	TX20	50
FPF II CTP 4.0 x 60 BC 100	670175	●	4.0	60	36	8.0	TX20	100
FPF II CTP 4.0 x 60 BC 200	670176	●	4.0	60	36	8.0	TX20	200
FPF II CTP 4.0 x 60 BC 500	670177	●	4.0	60	36	8.0	TX20	500
FPF II CTP 4.0 x 70 BC 50	670659	●	4.0	70	42	8.0	TX20	50
FPF II CTP 4.0 x 70 BC 100	670178	●	4.0	70	42	8.0	TX20	100
FPF II CTP 4.0 x 70 BC 200	670179	●	4.0	70	42	8.0	TX20	200
FPF II CTP 4.0 x 70 BC 500	670180	●	4.0	70	42	8.0	TX20	500



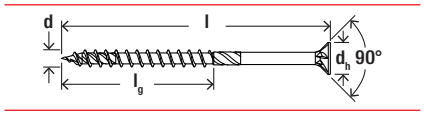
ø 4.5

Chipboard screw PowerFast FPF II CTP BC



FPF II CTP BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CTP 4.5 x 35 BC 50	670662	●	4.5	35	24	9.0	TX20	50
FPF II CTP 4.5 x 35 BC 200	670266	●	4.5	35	24	9.0	TX20	200
FPF II CTP 4.5 x 35 BC 500	670267	●	4.5	35	24	9.0	TX20	500
FPF II CTP 4.5 x 40 BC 50	670664	●	4.5	40	28	9.0	TX20	50
FPF II CTP 4.5 x 40 BC 200	670268	●	4.5	40	28	9.0	TX20	200
FPF II CTP 4.5 x 40 BC 500	670269	●	4.5	40	28	9.0	TX20	500
FPF II CTP 4.5 x 45 BC 50	670666	●	4.5	45	30	9.0	TX20	50
FPF II CTP 4.5 x 45 BC 200	670270	●	4.5	45	30	9.0	TX20	200
FPF II CTP 4.5 x 45 BC 500	670271	●	4.5	45	30	9.0	TX20	500



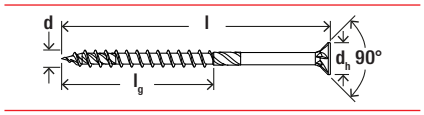
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Chipboard screw PowerFast FPF II CTP BC



FPF II CTP BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CTP 4.5 x 50 BC 50	670668	●	4.5	50	30	9.0	TX20	50
FPF II CTP 4.5 x 50 BC 200	670272	●	4.5	50	30	9.0	TX20	200
FPF II CTP 4.5 x 50 BC 500	670273	●	4.5	50	30	9.0	TX20	500
FPF II CTP 4.5 x 60 BC 50	670669	●	4.5	60	36	9.0	TX20	50
FPF II CTP 4.5 x 60 BC 100	670274	●	4.5	60	36	9.0	TX20	100
FPF II CTP 4.5 x 60 BC 200	670632	●	4.5	60	36	9.0	TX20	200
FPF II CTP 4.5 x 60 BC 500	670275	●	4.5	60	36	9.0	TX20	500
FPF II CTP 4.5 x 70 BC 50	670670	●	4.5	70	42	9.0	TX20	50
FPF II CTP 4.5 x 70 BC 100	670276	●	4.5	70	42	9.0	TX20	100
FPF II CTP 4.5 x 70 BC 200	670633	●	4.5	70	42	9.0	TX20	200
FPF II CTP 4.5 x 70 BC 500	670277	●	4.5	70	42	9.0	TX20	500
FPF II CTP 4.5 x 80 BC 50	670671	●	4.5	80	45	9.0	TX20	50
FPF II CTP 4.5 x 80 BC 100	670278	●	4.5	80	45	9.0	TX20	100
FPF II CTP 4.5 x 80 BC 200	670279	●	4.5	80	45	9.0	TX20	200
FPF II CTP 4.5 x 80 BC 500	670280	●	4.5	80	45	9.0	TX20	500



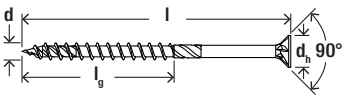
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Chipboard screw PowerFast FPF II CTP BC



FPF II CTP BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CTP 5.0 x 35 BC 50	670676	●	5.0	35	24	10.0	TX20	50
FPF II CTP 5.0 x 35 BC 200	670370	●	5.0	35	24	10.0	TX20	200
FPF II CTP 5.0 x 35 BC 500	670371	●	5.0	35	24	10.0	TX20	500
FPF II CTP 5.0 x 40 BC 50	670677	●	5.0	40	28	10.0	TX20	50
FPF II CTP 5.0 x 40 BC 200	670372	●	5.0	40	28	10.0	TX20	200
FPF II CTP 5.0 x 40 BC 500	670373	●	5.0	40	28	10.0	TX20	500
FPF II CTP 5.0 x 45 BC 50	670679	●	5.0	45	30	10.0	TX20	50
FPF II CTP 5.0 x 45 BC 200	670374	●	5.0	45	30	10.0	TX20	200
FPF II CTP 5.0 x 45 BC 500	670375	●	5.0	45	30	10.0	TX20	500
FPF II CTP 5.0 x 50 BC 50	670681	●	5.0	50	30	10.0	TX20	50
FPF II CTP 5.0 x 50 BC 200	670376	●	5.0	50	30	10.0	TX20	200
FPF II CTP 5.0 x 50 BC 500	670377	●	5.0	50	30	10.0	TX20	500
FPF II CTP 5.0 x 60 BC 50	670683	●	5.0	60	36	10.0	TX20	50
FPF II CTP 5.0 x 60 BC 100	670378	●	5.0	60	36	10.0	TX20	100
FPF II CTP 5.0 x 60 BC 200	670642	●	5.0	60	36	10.0	TX20	200
FPF II CTP 5.0 x 60 BC 500	670379	●	5.0	60	36	10.0	TX20	500
FPF II CTP 5.0 x 70 BC 50	670685	●	5.0	70	42	10.0	TX20	50
FPF II CTP 5.0 x 70 BC 100	670380	●	5.0	70	42	10.0	TX20	100
FPF II CTP 5.0 x 70 BC 200	670381	●	5.0	70	42	10.0	TX20	200



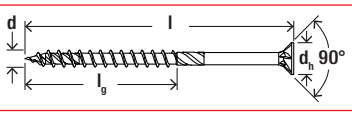
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Chipboard screw PowerFast FPF II CTP BC



FPF II CTP BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CTP 5.0 x 80 BC 50	670686	●	5.0	80	45	10.0	TX20	50
FPF II CTP 5.0 x 80 BC 100	670382	●	5.0	80	45	10.0	TX20	100
FPF II CTP 5.0 x 80 BC 200	670383	●	5.0	80	45	10.0	TX20	200
FPF II CTP 5.0 x 90 BC 50	670687	●	5.0	90	54	10.0	TX20	50
FPF II CTP 5.0 x 90 BC 100	670384	●	5.0	90	54	10.0	TX20	100
FPF II CTP 5.0 x 90 BC 200	670385	●	5.0	90	54	10.0	TX20	200
FPF II CTP 5.0 x 100 BC 50	670672	●	5.0	100	60	10.0	TX20	50
FPF II CTP 5.0 x 100 BC 100	670364	●	5.0	100	60	10.0	TX20	100
FPF II CTP 5.0 x 100 BC 200	670365	●	5.0	100	60	10.0	TX20	200
FPF II CTP 5.0 x 110 BC 50	670673	●	5.0	110	70	10.0	TX20	50
FPF II CTP 5.0 x 110 BC 100	670366	●	5.0	110	70	10.0	TX20	100
FPF II CTP 5.0 x 110 BC 200	670367	●	5.0	110	70	10.0	TX20	200
FPF II CTP 5.0 x 120 BC 50	670674	●	5.0	120	70	10.0	TX20	50
FPF II CTP 5.0 x 120 BC 100	670368	●	5.0	120	70	10.0	TX20	100
FPF II CTP 5.0 x 120 BC 200	670369	●	5.0	120	70	10.0	TX20	200



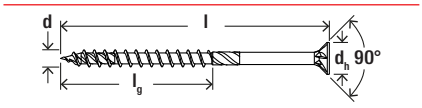
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Chipboard screw PowerFast FPF II CTP BC



FPF II CTP BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CTP 6.0 x 40 BC 200	670476	●	6.0	40	28	12.0	TX30	200
FPF II CTP 6.0 x 40 BC 500	670477	●	6.0	40	28	12.0	TX30	500
FPF II CTP 6.0 x 50 BC 100	670478	●	6.0	50	30	12.0	TX30	100
FPF II CTP 6.0 x 50 BC 200	670479	●	6.0	50	30	12.0	TX30	200
FPF II CTP 6.0 x 50 BC 400	670480	●	6.0	50	30	12.0	TX30	400
FPF II CTP 6.0 x 60 BC 100	670481	●	6.0	60	36	12.0	TX30	100
FPF II CTP 6.0 x 60 BC 200	670482	●	6.0	60	36	12.0	TX30	200
FPF II CTP 6.0 x 70 BC 100	670483	●	6.0	70	42	12.0	TX30	100
FPF II CTP 6.0 x 70 BC 200	670484	●	6.0	70	42	12.0	TX30	200
FPF II CTP 6.0 x 80 BC 100	670485	●	6.0	80	45	12.0	TX30	100
FPF II CTP 6.0 x 80 BC 200	670486	●	6.0	80	45	12.0	TX30	200
FPF II CTP 6.0 x 90 BC 100	670487	●	6.0	90	54	12.0	TX30	100
FPF II CTP 6.0 x 90 BC 200	670647	●	6.0	90	54	12.0	TX30	200
FPF II CTP 6.0 x 100 BC 25	670458	●	6.0	100	60	12.0	TX30	25
FPF II CTP 6.0 x 100 BC 50	670688	●	6.0	100	60	12.0	TX30	50
FPF II CTP 6.0 x 100 BC 100	670457	●	6.0	100	60	12.0	TX30	100
FPF II CTP 6.0 x 110 BC 50	670689	●	6.0	110	70	12.0	TX30	50
FPF II CTP 6.0 x 110 BC 100	670459	●	6.0	110	70	12.0	TX30	100
FPF II CTP 6.0 x 120 BC 50	670690	●	6.0	120	70	12.0	TX30	50



ø 6.0

Chipboard screw PowerFast FPF II CTP BC



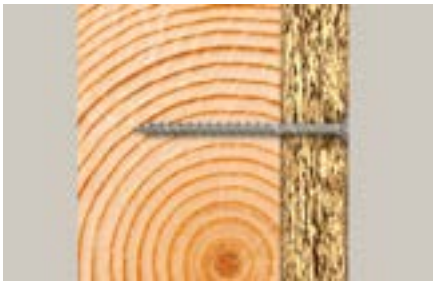
FPF II CTP BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CTP 6.0 x 120 BC 100	**670460**	●	6.0	120	70	12.0	TX30	100
FPF II CTP 6.0 x 130 BC 50	**670691**	●	6.0	130	70	12.0	TX30	50
FPF II CTP 6.0 x 130 BC 100	**670461**	●	6.0	130	70	12.0	TX30	100
FPF II CTP 6.0 x 140 BC 50	**670692**	●	6.0	140	70	12.0	TX30	50
FPF II CTP 6.0 x 140 BC 100	**670462**	●	6.0	140	70	12.0	TX30	100
FPF II CTP 6.0 x 150 BC 50	**670693**	●	6.0	150	70	12.0	TX30	50
FPF II CTP 6.0 x 150 BC 100	**670463**	●	6.0	150	70	12.0	TX30	100
FPF II CTP 6.0 x 160 BC 50	**670694**	●	6.0	160	70	12.0	TX30	50
FPF II CTP 6.0 x 160 BC 100	**670464**	●	6.0	160	70	12.0	TX30	100
FPF II CTP 6.0 x 180 BC 50	**670695**	●	6.0	180	70	12.0	TX30	50
FPF II CTP 6.0 x 180 BC 100	**670465**	●	6.0	180	70	12.0	TX30	100
FPF II CTP 6.0 x 200 BC 50	**670696**	●	6.0	200	70	12.0	TX30	50
FPF II CTP 6.0 x 200 BC 100	**670466**	●	6.0	200	70	12.0	TX30	100
FPF II CTP 6.0 x 220 BC 50	**670467**	●	6.0	220	70	12.0	TX30	50
FPF II CTP 6.0 x 240 BC 25	**670468**	●	6.0	240	70	12.0	TX30	25
FPF II CTP 6.0 x 240 BC 50	**670469**	●	6.0	240	70	12.0	TX30	50
FPF II CTP 6.0 x 260 BC 25	**670470**	●	6.0	260	70	12.0	TX30	25
FPF II CTP 6.0 x 260 BC 50	**670471**	●	6.0	260	70	12.0	TX30	50
FPF II CTP 6.0 x 280 BC 25	**670472**	●	6.0	280	70	12.0	TX30	25
FPF II CTP 6.0 x 280 BC 50	**670473**	●	6.0	280	70	12.0	TX30	50
FPF II CTP 6.0 x 300 BC 25	**670474**	●	6.0	300	70	12.0	TX30	25
FPF II CTP 6.0 x 300 BC 50	**670475**	●	6.0	300	70	12.0	TX30	50

PowerFast FPF II CT25P BC

The chipboard screw with countersunk head, TX star recess socket and partial thread







Applications

- For use in load-bearing wooden constructions, for the connection of solid wood parts as well as glued laminated timber, cross laminated timber, etc.
- For metal parts to wood, e.g. metal fittings, angles, beam shoes and other metal and wood connections.
- Suitable for use with fischer plugs and recommended loads.

Advantages

- The screw geometry of the PowerFast II enables fast applications.
- Installation is easy, comfortable and flexible.
- The chipboard screw has significantly reduced splitting behavior in comparison with standard chipboard screws.
- The PowerFast II with high performance wax coating reduces screw-in torque and allows smooth installation.
- The blue passivated zinc plating does not contain chrome VI and is therefore environmentally friendly.
- In diameter 5.0 available with TX25 drive.

Certificates

CE

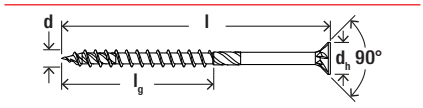
ETA-19/0175, for timber constructions

Building materials

- Solid wood parts (soft wood and hard wood)
- Glued-laminated timber
- Cross-laminated timber
- Veneer laminated timber
- Similar glued wood components and woodbased panels

Functioning

- Screws with partial threads can lock wood parts into place by tightening them against each other.
- Screws with countersunk head can be flush mounted with the wood.



ø 5.0

Chipboard screw PowerFast FPF II CT25P BC

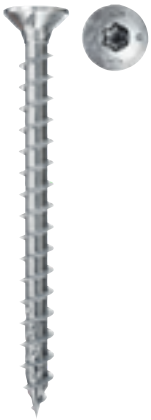


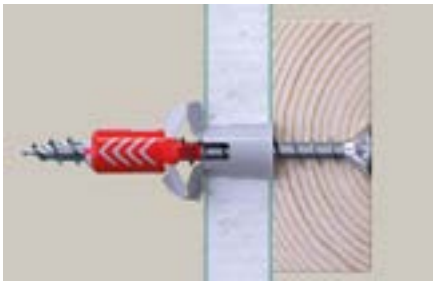
FPF II CTP BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CT25P 5.0 x 50 BC 200	**670343**	●	5.0	50	30	10.0	TX25	200
FPF II CT25P 5.0 x 60 BC 200	**670344**	●	5.0	60	36	10.0	TX25	200
FPF II CT25P 5.0 x 70 BC 200	**670345**	●	5.0	70	42	10.0	TX25	200
FPF II CT25P 5.0 x 80 BC 200	**670346**	●	5.0	80	45	10.0	TX25	200
FPF II CT25P 5.0 x 90 BC 200	**670347**	●	5.0	90	54	10.0	TX25	200
FPF II CT25P 5.0 x 100 BC 100	**670341**	●	5.0	100	60	10.0	TX25	100
FPF II CT25P 5.0 x 120 BC 100	**670342**	●	5.0	120	70	10.0	TX25	100

PowerFast FPF II CTF BC

The chipboard screw with countersunk head, TX star recess socket and full thread







Applications

- For use in load-bearing wooden constructions, for the connection of solid wood parts as well as glued laminated timber, cross laminated timber, etc.
- For metal parts to wood, e.g. metal fittings, angles, beam shoes and other metal and wood connections.
- Suitable for use with fischer plugs and recommended loads.

Advantages

- The screw geometry of the PowerFast II enables fast applications.
- Installation is easy, comfortable and flexible.
- The chipboard screw has significantly reduced splitting behavior in comparison with standard chipboard screws.
- The PowerFast II with high performance wax coating reduces screw-in torque and allows smooth installation.
- The blue passivated zinc plating does not contain chrome VI and is therefore environmentally friendly.

Certificates

CE

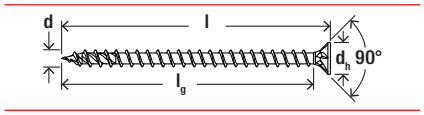
ETA-19/0175, for timber constructions

Building materials

- Solid wood parts (soft wood and hard wood)
- Glued-laminated timber
- Cross-laminated timber
- Veneer laminated timber
- Similar glued wood components and woodbased panels

Functioning

- Full thread screws are recommended for mounting thin parts and in less firm wood materials (e.g. soft woods).
- Screws with countersunk head can be flush mounted with the wood.



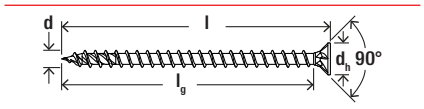
ø 3.0

Chipboard screw PowerFast FPF II CTF BC



FPF II CTF BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CTF 3.0 x 12 BC 200	670001	–	3.0	12	8	6.0	TX10	200
FPF II CTF 3.0 x 12 BC 1000	670000	–	3.0	12	8	6.0	TX10	1000
FPF II CTF 3.0 x 16 BC 200	670003	–	3.0	16	12	6.0	TX10	200
FPF II CTF 3.0 x 16 BC 500	670004	–	3.0	16	12	6.0	TX10	500
FPF II CTF 3.0 x 16 BC 1000	670002	–	3.0	16	12	6.0	TX10	1000
FPF II CTF 3.0 x 20 BC 200	670006	●	3.0	20	16	6.0	TX10	200
FPF II CTF 3.0 x 20 BC 500	670007	●	3.0	20	16	6.0	TX10	500
FPF II CTF 3.0 x 20 BC 1000	670005	●	3.0	20	16	6.0	TX10	1000
FPF II CTF 3.0 x 25 BC 200	670009	●	3.0	25	21	6.0	TX10	200
FPF II CTF 3.0 x 25 BC 500	670010	●	3.0	25	21	6.0	TX10	500
FPF II CTF 3.0 x 25 BC 1000	670008	●	3.0	25	21	6.0	TX10	1000
FPF II CTF 3.0 x 30 BC 200	670012	●	3.0	30	26	6.0	TX10	200
FPF II CTF 3.0 x 30 BC 500	670013	●	3.0	30	26	6.0	TX10	500
FPF II CTF 3.0 x 30 BC 1000	670011	●	3.0	30	26	6.0	TX10	1000
FPF II CTF 3.0 x 35 BC 200	670015	●	3.0	35	31	6.0	TX10	200
FPF II CTF 3.0 x 35 BC 500	670621	●	3.0	35	31	6.0	TX10	500
FPF II CTF 3.0 x 35 BC 1000	670014	●	3.0	35	31	6.0	TX10	1000



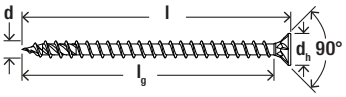
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Chipboard screw PowerFast FPF II CTF BC



FPF II CTF BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CTF 3.5 x 16 BC 200	670073	–	3.5	16	12	7.0	TX20	200
FPF II CTF 3.5 x 16 BC 1000	670130	–	3.5	16	12	7.0	TX20	1000
FPF II CTF 3.5 x 20 BC 200	670074	●	3.5	20	16	7.0	TX20	200
FPF II CTF 3.5 x 20 BC 1000	670131	●	3.5	20	16	7.0	TX20	1000
FPF II CTF 3.5 x 25 BC 200	670075	●	3.5	25	21	7.0	TX20	200
FPF II CTF 3.5 x 25 BC 1000	670132	●	3.5	25	21	7.0	TX20	1000
FPF II CTF 3.5 x 30 BC 200	670076	●	3.5	30	26	7.0	TX20	200
FPF II CTF 3.5 x 30 BC 500	670120	●	3.5	30	26	7.0	TX20	500
FPF II CTF 3.5 x 30 BC 1000	670133	●	3.5	30	26	7.0	TX20	1000
FPF II CTF 3.5 x 35 BC 200	670077	●	3.5	35	31	7.0	TX20	200
FPF II CTF 3.5 x 35 BC 300	670106	●	3.5	35	31	7.0	TX20	300
FPF II CTF 3.5 x 35 BC 1000	670134	●	3.5	35	31	7.0	TX20	1000
FPF II CTF 3.5 x 40 BC 200	670078	●	3.5	40	36	7.0	TX20	200
FPF II CTF 3.5 x 40 BC 300	670107	●	3.5	40	36	7.0	TX20	300
FPF II CTF 3.5 x 40 BC 500	670121	●	3.5	40	36	7.0	TX20	500
FPF II CTF 3.5 x 45 BC 200	670079	●	3.5	45	41	7.0	TX20	200



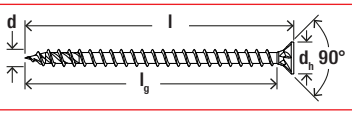
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Chipboard screw PowerFast FPF II CTF BC



FPF II CTF BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CTF 3.5 x 45 BC 500	670122	●	3.5	45	41	7.0	TX20	500



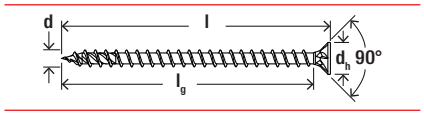
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Chipboard screw PowerFast FPF II CTF BC



FPF II CTF BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CTF 4.0 x 15 BC 200	562068	–	4.0	15	10	8.0	TX20	200
FPF II CTF 4.0 x 16 BC 200	670147	–	4.0	16	11	8.0	TX20	200
FPF II CTF 4.0 x 16 BC 500	670148	–	4.0	16	11	8.0	TX20	500
FPF II CTF 4.0 x 20 BC 200	670150	–	4.0	20	15	8.0	TX20	200
FPF II CTF 4.0 x 20 BC 500	670151	–	4.0	20	15	8.0	TX20	500
FPF II CTF 4.0 x 20 BC 1000	670149	–	4.0	20	15	8.0	TX20	1000
FPF II CTF 4.0 x 25 BC 200	670152	●	4.0	25	20	8.0	TX20	200
FPF II CTF 4.0 x 25 BC 500	670153	●	4.0	25	20	8.0	TX20	500
FPF II CTF 4.0 x 25 BC 1000	670624	●	4.0	25	20	8.0	TX20	1000
FPF II CTF 4.0 x 30 BC 50	670648	●	4.0	30	25	8.0	TX20	50
FPF II CTF 4.0 x 30 BC 200	670155	●	4.0	30	25	8.0	TX20	200
FPF II CTF 4.0 x 30 BC 1000	670154	●	4.0	30	25	8.0	TX20	1000
FPF II CTF 4.0 x 35 BC 50	670650	●	4.0	35	30	8.0	TX20	50
FPF II CTF 4.0 x 35 BC 200	670156	●	4.0	35	30	8.0	TX20	200
FPF II CTF 4.0 x 35 BC 500	670157	●	4.0	35	30	8.0	TX20	500
FPF II CTF 4.0 x 35 BC 1000	670625	●	4.0	35	30	8.0	TX20	1000
FPF II CTF 4.0 x 40 BC 50	670652	●	4.0	40	35	8.0	TX20	50
FPF II CTF 4.0 x 40 BC 200	670159	●	4.0	40	35	8.0	TX20	200
FPF II CTF 4.0 x 40 BC 1000	670158	●	4.0	45	35	8.0	TX20	1000
FPF II CTF 4.0 x 45 BC 50	670654	●	4.0	45	40	8.0	TX20	50
FPF II CTF 4.0 x 45 BC 200	670160	●	4.0	45	40	8.0	TX20	200
FPF II CTF 4.0 x 45 BC 500	670161	●	4.0	45	40	8.0	TX20	500
FPF II CTF 4.0 x 50 BC 50	670656	●	4.0	50	45	8.0	TX20	50
FPF II CTF 4.0 x 50 BC 200	670162	●	4.0	50	45	8.0	TX20	200
FPF II CTF 4.0 x 50 BC 500	670163	●	4.0	50	45	8.0	TX20	500



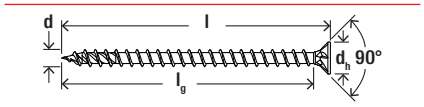
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Chipboard screw PowerFast FPF II CTF BC



FPF II CTF BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CTF 4.5 x 20 BC 200	670253	–	4.5	20	15	9.0	TX20	200
FPF II CTF 4.5 x 20 BC 500	670630	–	4.5	20	15	9.0	TX20	500
FPF II CTF 4.5 x 25 BC 200	670254	●	4.5	25	20	9.0	TX20	200
FPF II CTF 4.5 x 25 BC 500	670255	●	4.5	25	20	9.0	TX20	500
FPF II CTF 4.5 x 30 BC 50	670660	●	4.5	30	25	9.0	TX20	50
FPF II CTF 4.5 x 30 BC 200	670256	●	4.5	30	25	9.0	TX20	200
FPF II CTF 4.5 x 30 BC 500	670257	●	4.5	30	25	9.0	TX20	500
FPF II CTF 4.5 x 35 BC 50	670661	●	4.5	35	30	9.0	TX20	50
FPF II CTF 4.5 x 35 BC 200	670258	●	4.5	35	30	9.0	TX20	200
FPF II CTF 4.5 x 35 BC 500	670259	●	4.5	35	30	9.0	TX20	500
FPF II CTF 4.5 x 40 BC 50	670663	●	4.5	40	35	9.0	TX20	50
FPF II CTF 4.5 x 40 BC 200	670260	●	4.5	40	35	9.0	TX20	200
FPF II CTF 4.5 x 40 BC 500	670261	●	4.5	40	35	9.0	TX20	500
FPF II CTF 4.5 x 45 BC 50	670665	●	4.5	45	40	9.0	TX20	50
FPF II CTF 4.5 x 45 BC 200	670262	●	4.5	45	40	9.0	TX20	200
FPF II CTF 4.5 x 45 BC 500	670263	●	4.5	45	40	9.0	TX20	500
FPF II CTF 4.5 x 50 BC 50	670667	●	4.5	50	45	9.0	TX20	50
FPF II CTF 4.5 x 50 BC 200	670264	●	4.5	50	45	9.0	TX20	200
FPF II CTF 4.5 x 50 BC 500	670265	●	4.5	50	45	9.0	TX20	500



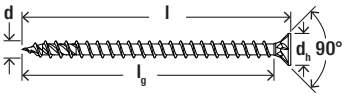
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Chipboard screw PowerFast FPF II CTF BC



FPF II CTF BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CTF 5.0 x 20 BC 200	670348	–	5.0	20	14	10.0	TX20	200
FPF II CTF 5.0 x 25 BC 200	670349	–	5.0	25	19	10.0	TX20	200
FPF II CTF 5.0 x 25 BC 500	670639	–	5.0	25	19	10.0	TX20	500
FPF II CTF 5.0 x 30 BC 200	670350	●	5.0	30	24	10.0	TX20	200
FPF II CTF 5.0 x 30 BC 500	670351	●	5.0	30	24	10.0	TX20	500
FPF II CTF 5.0 x 35 BC 50	670675	●	5.0	35	29	10.0	TX20	50
FPF II CTF 5.0 x 35 BC 200	670352	●	5.0	35	29	10.0	TX20	200
FPF II CTF 5.0 x 35 BC 500	670353	●	5.0	35	29	10.0	TX20	500
FPF II CTF 5.0 x 40 BC 200	670354	●	5.0	40	34	10.0	TX20	200
FPF II CTF 5.0 x 40 BC 500	670355	●	5.0	40	34	10.0	TX20	500
FPF II CTF 5.0 x 45 BC 50	670678	●	5.0	45	39	10.0	TX20	50
FPF II CTF 5.0 x 45 BC 200	670356	●	5.0	45	39	10.0	TX20	200
FPF II CTF 5.0 x 45 BC 500	670357	●	5.0	45	39	10.0	TX20	500
FPF II CTF 5.0 x 50 BC 200	670358	●	5.0	50	44	10.0	TX20	200



ø 5.0

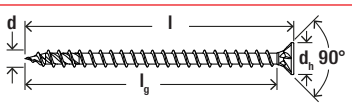
Chipboard screw PowerFast FPF II CTF BC



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FPF II CTF BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CTF 5.0 x 50 BC 50	670680	●	5.0	50	44	10.0	TX20	50
FPF II CTF 5.0 x 50 BC 500	670359	●	5.0	50	44	10.0	TX20	500
FPF II CTF 5.0 x 60 BC 50	670682	●	5.0	60	54	10.0	TX20	50
FPF II CTF 5.0 x 60 BC 100	670360	●	5.0	60	54	10.0	TX20	100
FPF II CTF 5.0 x 60 BC 200	670640	●	5.0	60	54	10.0	TX20	200
FPF II CTF 5.0 x 60 BC 500	670361	●	5.0	60	54	10.0	TX20	500
FPF II CTF 5.0 x 70 BC 50	670684	●	5.0	70	64	10.0	TX20	50
FPF II CTF 5.0 x 70 BC 100	670362	●	5.0	70	64	10.0	TX20	100
FPF II CTF 5.0 x 70 BC 200	670363	●	5.0	70	64	10.0	TX20	200



ø 6.0

Chipboard screw PowerFast FPF II CTF BC



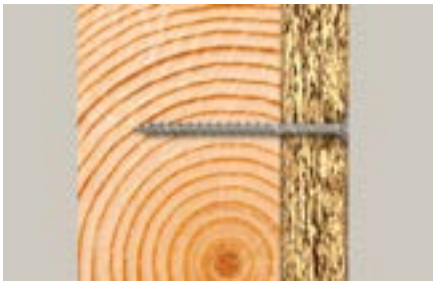
FPF II CTF BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CTF 6.0 x 40 BC 200	670450	●	6.0	40	33	12.0	TX30	200
FPF II CTF 6.0 x 40 BC 500	670451	●	6.0	40	33	12.0	TX30	500
FPF II CTF 6.0 x 50 BC 100	670452	●	6.0	50	43	12.0	TX30	100
FPF II CTF 6.0 x 50 BC 200	670453	●	6.0	50	43	12.0	TX30	200
FPF II CTF 6.0 x 50 BC 400	670454	●	6.0	50	43	12.0	TX30	400
FPF II CTF 6.0 x 60 BC 100	670455	●	6.0	60	53	12.0	TX30	100
FPF II CTF 6.0 x 60 BC 200	670456	●	6.0	60	53	12.0	TX30	200

PowerFast FPF II CTP BZ

The chipboard screw with bonus zinc plating, countersunk head, TX star recess socket and partial thread







Applications

- For use in load-bearing wooden constructions, for the connection of solid wood parts as well as glued laminated timber, cross laminated timber, etc.
- For metal parts to wood, e.g. metal fittings, angles, beam shoes and other metal and wood connections.
- Suitable for use with fischer plugs and recommended loads.

Advantages

- The screw geometry of the PowerFast II enables fast applications.
- Installation is easy, comfortable and flexible.
- The chipboard screw has significantly reduced splitting behavior in comparison with standard chipboard screws.
- The PowerFast II with high performance wax coating reduces screw-in torque and allows smooth installation.
- The chipboard screw has a zincflake coating.

Certificates

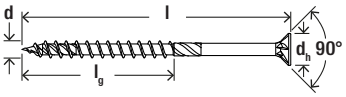
ETA-19/0175, for timber constructions

Building materials

- Solid wood parts (soft wood and hard wood)
- Glued-laminated timber
- Cross-laminated timber
- Veneer laminated timber
- Similar glued wood components and woodbased panels

Functioning

- Screws with partial threads can lock wood parts into place by tightening them against each other.
- Screws with countersunk head can be flush mounted with the wood.



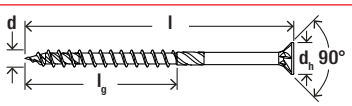
ø 3.5

Chipboard screw PowerFast FPF II CTP BZ



FPF II CTP BZ

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CTP 3.5 x 30 BZ 200	**670540**	●	3.5	30	18	7.0	TX20	200
FPF II CTP 3.5 x 35 BZ 200	**670541**	●	3.5	35	24	7.0	TX20	200
FPF II CTP 3.5 x 35 BZ 500	**670542**	●	3.5	35	24	7.0	TX20	500
FPF II CTP 3.5 x 40 BZ 200	**670543**	●	3.5	40	28	7.0	TX20	200
FPF II CTP 3.5 x 50 BZ 200	**670544**	●	3.5	50	30	7.0	TX20	200



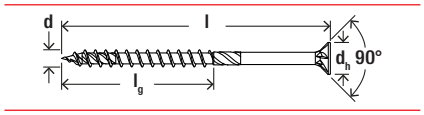
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Chipboard screw PowerFast FPF II CTP BZ



FPF II CTP BZ

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CTP 4.0 x 30 BZ 200	**670551**	●	4.0	30	18	8.0	TX20	200
FPF II CTP 4.0 x 30 BZ 500	**670552**	●	4.0	30	18	8.0	TX20	500
FPF II CTP 4.0 x 35 BZ 200	**670553**	●	4.0	35	24	8.0	TX20	200
FPF II CTP 4.0 x 35 BZ 500	**670554**	●	4.0	35	24	8.0	TX20	500
FPF II CTP 4.0 x 40 BZ 200	**670555**	●	4.0	40	28	8.0	TX20	200
FPF II CTP 4.0 x 40 BZ 500	**670556**	●	4.0	40	28	8.0	TX20	500
FPF II CTP 4.0 x 45 BZ 200	**670557**	●	4.0	45	30	8.0	TX20	200
FPF II CTP 4.0 x 45 BZ 500	**670558**	●	4.0	45	30	8.0	TX20	500
FPF II CTP 4.0 x 50 BZ 200	**670559**	●	4.0	50	30	8.0	TX20	200
FPF II CTP 4.0 x 50 BZ 500	**670560**	●	4.0	50	30	8.0	TX20	500
FPF II CTP 4.0 x 60 BZ 200	**670561**	●	4.0	60	36	8.0	TX20	200
FPF II CTP 4.0 x 60 BZ 500	**670627**	●	4.0	60	36	8.0	TX20	500
FPF II CTP 4.0 x 70 BZ 200	**670562**	●	4.0	70	42	8.0	TX20	200
FPF II CTP 4.0 x 70 BZ 500	**670628**	●	4.0	70	42	8.0	TX20	500



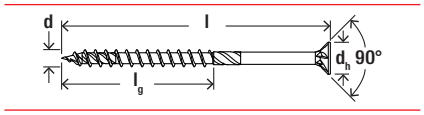
ø 4.5

Chipboard screw PowerFast FPF II CTP BZ



FPF II CTP BZ

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CTP 4.5 x 30 BZ 200	**670571**	●	4.5	30	18	9.0	TX20	200
FPF II CTP 4.5 x 35 BZ 100	**670572**	●	4.5	35	24	9.0	TX20	100
FPF II CTP 4.5 x 35 BZ 200	**670631**	●	4.5	35	24	9.0	TX20	200
FPF II CTP 4.5 x 40 BZ 200	**670573**	●	4.5	40	28	9.0	TX20	200
FPF II CTP 4.5 x 50 BZ 200	**670574**	●	4.5	50	30	9.0	TX20	200
FPF II CTP 4.5 x 60 BZ 200	**670575**	●	4.5	60	36	9.0	TX20	200
FPF II CTP 4.5 x 70 BZ 200	**670576**	●	4.5	70	42	9.0	TX20	200
FPF II CTP 4.5 x 80 BZ 200	**670577**	●	4.5	80	45	9.0	TX20	200



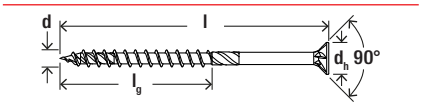
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Chipboard screw PowerFast FPF II CTP BZ



FPF II CTP BZ

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CTP 5.0 x 30 BZ 200	**670592**	–	5.0	30	18	10.0	TX20	200
FPF II CTP 5.0 x 40 BZ 200	**670593**	●	5.0	40	28	10.0	TX20	200
FPF II CTP 5.0 x 45 BZ 200	**670594**	●	5.0	45	30	10.0	TX20	200
FPF II CTP 5.0 x 50 BZ 200	**670595**	●	5.0	50	30	10.0	TX20	200
FPF II CTP 5.0 x 60 BZ 200	**670596**	●	5.0	60	36	10.0	TX20	200
FPF II CTP 5.0 x 70 BZ 200	**670597**	●	5.0	70	42	10.0	TX20	200
FPF II CTP 5.0 x 80 BZ 200	**670598**	●	5.0	80	45	10.0	TX20	200
FPF II CTP 5.0 x 90 BZ 200	**670599**	●	5.0	90	54	10.0	TX20	200
FPF II CTP 5.0 x 100 BZ 100	**670589**	●	5.0	100	60	10.0	TX20	100
FPF II CTP 5.0 x 100 BZ 200	**670590**	●	5.0	100	60	10.0	TX20	200
FPF II CTP 5.0 x 120 BZ 100	**670591**	●	5.0	120	70	10.0	TX20	100
FPF II CTP 5.0 x 120 BZ 200	**670641**	●	5.0	120	70	10.0	TX20	200



ø 6.0

Chipboard screw PowerFast FPF II CTP BZ



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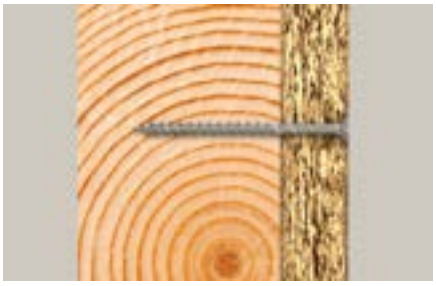
FPF II CTP BZ

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CTP 6.0 x 50 BZ 200	**670615**	●	6.0	50	30	12.0	TX30	200
FPF II CTP 6.0 x 60 BZ 200	**670616**	●	6.0	60	36	12.0	TX30	200
FPF II CTP 6.0 x 70 BZ 200	**670617**	●	6.0	70	42	12.0	TX30	200
FPF II CTP 6.0 x 80 BZ 200	**670618**	●	6.0	80	45	12.0	TX30	200
FPF II CTP 6.0 x 90 BZ 200	**670619**	●	6.0	90	54	12.0	TX30	200
FPF II CTP 6.0 x 100 BZ 100	**670608**	●	6.0	100	60	12.0	TX30	100
FPF II CTP 6.0 x 120 BZ 100	**670609**	●	6.0	120	70	12.0	TX30	100
FPF II CTP 6.0 x 150 BZ 100	**670610**	●	6.0	150	70	12.0	TX30	100
FPF II CTP 6.0 x 160 BZ 100	**670611**	●	6.0	160	70	12.0	TX30	100
FPF II CTP 6.0 x 180 BZ 100	**670612**	●	6.0	180	70	12.0	TX30	100
FPF II CTP 6.0 x 200 BZ 100	**670613**	●	6.0	200	70	12.0	TX30	100
FPF II CTP 6.0 x 220 BZ 50	**670614**	●	6.0	220	70	12.0	TX30	50

PowerFast FPF II CT25P BZ

The chipboard screw with bonus zinc plating, countersunk head, TX star recess socket and partial thread







Applications

- For use in load-bearing wooden constructions, for the connection of solid wood parts as well as glued laminated timber, cross laminated timber, etc.
- For metal parts to wood, e.g. metal fittings, angles, beam shoes and other metal and wood connections.
- Suitable for use with fischer plugs and recommended loads.

Advantages

- The screw geometry of the PowerFast II enables fast applications.
- Installation is easy, comfortable and flexible.
- The chipboard screw has significantly reduced splitting behavior in comparison with standard chipboard screws.
- The PowerFast II with high performance wax coating reduces screw-in torque and allows smooth installation.
- The chipboard screw has a zincflake coating.
- In diameter 5.0 available with TX25 drive.

Certificates

CE

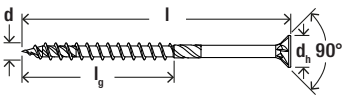
ETA-19/0175, for timber constructions

Building materials

- Solid wood parts (soft wood and hard wood)
- Glued-laminated timber
- Cross-laminated timber
- Veneer laminated timber
- Similar glued wood components and woodbased panels

Functioning

- Screws with partial threads can lock wood parts into place by tightening them against each other.
- Screws with countersunk head can be flush mounted with the wood.



ø 5.0

Chipboard screw PowerFast FPF II CT25P BZ



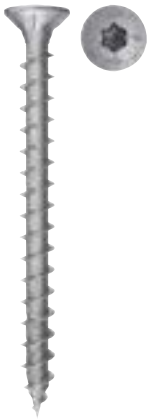
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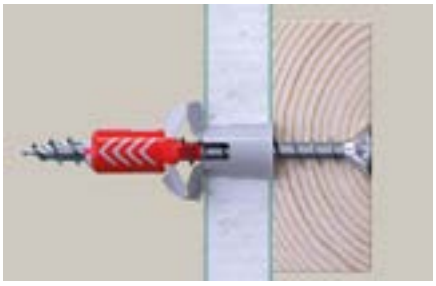
FPF II CTP BZ

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CT25P 5.0 x 50 BZ 200	**670584**	●	5.0	50	30	10.0	TX25	200
FPF II CT25P 5.0 x 60 BZ 200	**670585**	●	5.0	60	36	10.0	TX25	200
FPF II CT25P 5.0 x 70 BZ 200	**670586**	●	5.0	70	42	10.0	TX25	200
FPF II CT25P 5.0 x 80 BZ 200	**670587**	●	5.0	80	45	10.0	TX25	200
FPF II CT25P 5.0 x 90 BZ 200	**670588**	●	5.0	90	54	10.0	TX25	200
FPF II CT25P 5.0 x 100 BZ 100	**670582**	●	5.0	100	60	10.0	TX25	100
FPF II CT25P 5.0 x 100 BZ 200	**670637**	●	5.0	100	60	10.0	TX25	200
FPF II CT25P 5.0 x 120 BZ 100	**670583**	●	5.0	120	70	10.0	TX25	100
FPF II CT25P 5.0 x 120 BZ 200	**670638**	●	5.0	120	70	10.0	TX25	200

PowerFast FPF II CTF BZ

The chipboard screw with bonus zinc plating, countersunk head, TX star recess socket and full thread







Applications

- For use in load-bearing wooden constructions, for the connection of solid wood parts as well as glued laminated timber, cross laminated timber, etc.
- For metal parts to wood, e.g. metal fittings, angles, beam shoes and other metal and wood connections.
- Suitable for use with fischer plugs and recommended loads.

Advantages

- The screw geometry of the PowerFast II enables fast applications.
- Installation is easy, comfortable and flexible.
- The chipboard screw has significantly reduced splitting behavior in comparison with standard chipboard screws.
- The PowerFast II with high performance wax coating reduces screw-in torque and allows smooth installation.
- The chipboard screw has a zincflake coating.

Certificates

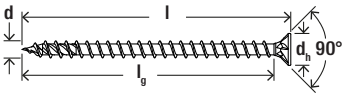
ETA-19/0175, for timber constructions

Building materials

- Solid wood parts (soft wood and hard wood)
- Glued-laminated timber
- Cross-laminated timber
- Veneer laminated timber
- Similar glued wood components and woodbased panels

Functioning

- Full thread screws are recommended for mounting thin parts and in less firm wood materials (e.g. soft woods).
- Screws with countersunk head can be flush mounted with the wood.



ø 3.5

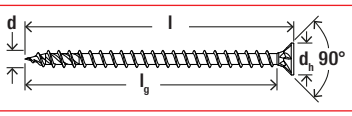
Chipboard screw PowerFast FPF II CTF BZ



2

FPF II CTF BZ

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CTF 3.5 x 25 BZ 200	**670539**	●	3.5	25	21	7.0	TX20	200



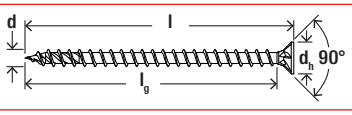
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Chipboard screw PowerFast FPF II CTF BZ



FPF II CTF BZ

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CTF 4.0 x 20 BZ 200	**670547**	●	4.0	20	15	8.0	TX20	200
FPF II CTF 4.0 x 20 BZ 500	**670548**	●	4.0	20	15	8.0	TX20	500
FPF II CTF 4.0 x 25 BZ 200	**670549**	●	4.0	25	20	8.0	TX20	200
FPF II CTF 4.0 x 25 BZ 500	**670550**	●	4.0	25	20	8.0	TX20	500



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Chipboard screw PowerFast FPF II CTF BZ



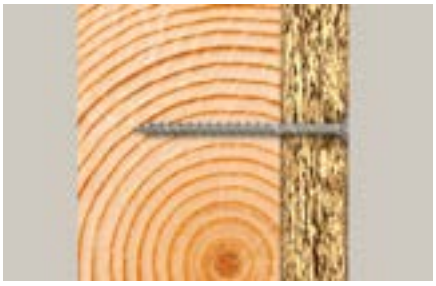
FPF II CTF BZ

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CTF 4.5 x 20 BZ 200	**670569**	–	4.5	20	15	8.0	TX20	200
FPF II CTF 4.5 x 25 BZ 200	**670570**	●	4.5	25	20	8.0	TX20	200

PowerFast FPF II CZP BC

The chipboard screw with countersunk head, cross drive PZ and partial thread







Applications

- For use in load-bearing wooden constructions, for the connection of solid wood parts as well as glued laminated timber, cross laminated timber, etc.
- For metal parts to wood, e.g. metal fittings, angles, beam shoes and other metal and wood connections.
- Suitable for use with fischer plugs and recommended loads.

Advantages

- The screw geometry of the PowerFast II enables fast applications.
- Installation is easy, comfortable and flexible.
- The chipboard screw has significantly reduced splitting behavior in comparison with standard chipboard screws.
- The PowerFast II with high performance wax coating reduces screw-in torque and allows smooth installation.
- The blue passivated zinc plating does not contain chrome VI and is therefore environmentally friendly.

Certificates

CE

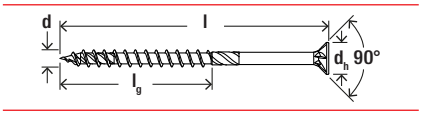
ETA-19/0175, for timber constructions

Building materials

- Solid wood parts (soft wood and hard wood)
- Glued-laminated timber
- Cross-laminated timber
- Veneer laminated timber
- Similar glued wood components and woodbased panels

Functioning

- Screws with partial threads can lock wood parts into place by tightening them against each other.
- Screws with countersunk head can be flush mounted with the wood.



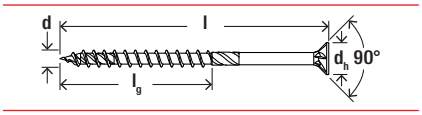
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Chipboard screw PowerFast FPF II CZP BC



FPF II CZP BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CZP 3.0 x 35 BC 100	670044	●	3.0	35	24	6.0	PZ1	100
FPF II CZP 3.0 x 35 BC 200	670046	●	3.0	35	24	6.0	PZ1	200
FPF II CZP 3.0 x 35 BC 300	670047	●	3.0	35	24	6.0	PZ1	300
FPF II CZP 3.0 x 35 BC 1000	670045	●	3.0	35	24	6.0	PZ1	1000
FPF II CZP 3.0 x 40 BC 100	670048	●	3.0	40	28	6.0	PZ1	100
FPF II CZP 3.0 x 40 BC 200	670050	●	3.0	40	28	6.0	PZ1	200
FPF II CZP 3.0 x 40 BC 300	670051	●	3.0	40	28	6.0	PZ1	300
FPF II CZP 3.0 x 40 BC 1000	670049	●	3.0	40	28	6.0	PZ1	1000
FPF II CZP 3.0 x 45 BC 100	670052	●	3.0	45	30	6.0	PZ1	100
FPF II CZP 3.0 x 45 BC 200	670054	●	3.0	45	30	6.0	PZ1	200
FPF II CZP 3.0 x 45 BC 300	670055	●	3.0	45	30	6.0	PZ1	300
FPF II CZP 3.0 x 45 BC 1000	670053	●	3.0	45	30	6.0	PZ1	1000



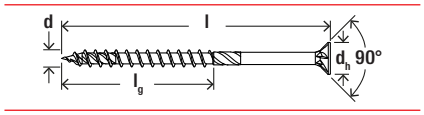
ø 3.5

Chipboard screw PowerFast FPF II CZP BC



FPF II CZP BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CZP 3.5 x 30 BC 200	670092	●	3.5	30	18	7.0	PZ2	200
FPF II CZP 3.5 x 35 BC 100	670069	●	3.5	35	24	7.0	PZ2	100
FPF II CZP 3.5 x 35 BC 200	670093	●	3.5	35	24	7.0	PZ2	200
FPF II CZP 3.5 x 35 BC 300	670116	●	3.5	35	24	7.0	PZ2	300
FPF II CZP 3.5 x 35 BC 1000	670145	●	3.5	35	24	7.0	PZ2	1000
FPF II CZP 3.5 x 40 BC 100	670070	●	3.5	40	28	7.0	PZ2	100
FPF II CZP 3.5 x 40 BC 200	670094	●	3.5	40	28	7.0	PZ2	200
FPF II CZP 3.5 x 40 BC 300	670117	●	3.5	40	28	7.0	PZ2	300
FPF II CZP 3.5 x 40 BC 1000	670146	●	3.5	40	28	7.0	PZ2	1000
FPF II CZP 3.5 x 45 BC 100	670071	●	3.5	45	30	7.0	PZ2	100
FPF II CZP 3.5 x 45 BC 200	670095	●	3.5	45	30	7.0	PZ2	200
FPF II CZP 3.5 x 45 BC 300	670118	●	3.5	45	30	7.0	PZ2	300
FPF II CZP 3.5 x 45 BC 500	670128	●	3.5	45	30	7.0	PZ2	500
FPF II CZP 3.5 x 50 BC 100	670072	●	3.5	50	30	7.0	PZ2	100
FPF II CZP 3.5 x 50 BC 200	670096	●	3.5	50	30	7.0	PZ2	200
FPF II CZP 3.5 x 50 BC 300	670119	●	3.5	50	30	7.0	PZ2	300



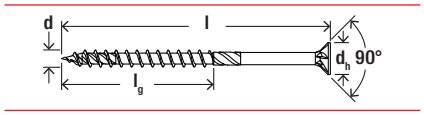
ø 4.0

Chipboard screw PowerFast FPF II CZP BC



FPF II CZP BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CZP 4.0 x 30 BC 200	670210	●	4.0	30	18	8.0	PZ2	200
FPF II CZP 4.0 x 30 BC 1000	670209	●	4.0	30	18	8.0	PZ2	1000
FPF II CZP 4.0 x 35 BC 100	670211	●	4.0	35	24	8.0	PZ2	100
FPF II CZP 4.0 x 35 BC 200	670213	●	4.0	35	24	8.0	PZ2	200
FPF II CZP 4.0 x 35 BC 300	670214	●	4.0	35	24	8.0	PZ2	300
FPF II CZP 4.0 x 35 BC 1000	670212	●	4.0	35	24	8.0	PZ2	1000
FPF II CZP 4.0 x 40 BC 100	670215	●	4.0	40	28	8.0	PZ2	100
FPF II CZP 4.0 x 40 BC 200	670217	●	4.0	40	28	8.0	PZ2	200
FPF II CZP 4.0 x 40 BC 300	670218	●	4.0	40	28	8.0	PZ2	300
FPF II CZP 4.0 x 40 BC 1000	670216	●	4.0	40	28	8.0	PZ2	1000
FPF II CZP 4.0 x 45 BC 100	670219	●	4.0	45	30	8.0	PZ2	100
FPF II CZP 4.0 x 45 BC 200	670220	●	4.0	45	30	8.0	PZ2	200
FPF II CZP 4.0 x 45 BC 300	670221	●	4.0	45	30	8.0	PZ2	300
FPF II CZP 4.0 x 45 BC 500	670222	●	4.0	45	30	8.0	PZ2	500
FPF II CZP 4.0 x 50 BC 75	670225	●	4.0	50	30	8.0	PZ2	75
FPF II CZP 4.0 x 50 BC 200	670223	●	4.0	50	30	8.0	PZ2	200
FPF II CZP 4.0 x 50 BC 500	670224	●	4.0	50	30	8.0	PZ2	500
FPF II CZP 4.0 x 60 BC 50	670227	●	4.0	60	36	8.0	PZ2	50
FPF II CZP 4.0 x 60 BC 200	670226	●	4.0	60	36	8.0	PZ2	200
FPF II CZP 4.0 x 60 BC 500	670228	●	4.0	60	36	8.0	PZ2	500
FPF II CZP 4.0 x 70 BC 50	670231	●	4.0	70	42	8.0	PZ2	50
FPF II CZP 4.0 x 70 BC 100	670229	●	4.0	70	42	8.0	PZ2	100
FPF II CZP 4.0 x 70 BC 200	670230	●	4.0	70	42	8.0	PZ2	200
FPF II CZP 4.0 x 70 BC 500	670232	●	4.0	70	42	8.0	PZ2	500



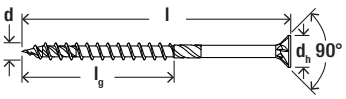
ø 4.5

Chipboard screw PowerFast FPF II CZP BC



FPF II CZP BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CZP 4.5 x 35 BC 100	670306	●	4.5	35	24	9.0	PZ2	100
FPF II CZP 4.5 x 35 BC 200	670307	●	4.5	35	24	9.0	PZ2	200
FPF II CZP 4.5 x 35 BC 500	670308	●	4.5	35	24	9.0	PZ2	500
FPF II CZP 4.5 x 40 BC 50	670310	●	4.5	40	28	9.0	PZ2	50
FPF II CZP 4.5 x 40 BC 200	670309	●	4.5	40	28	9.0	PZ2	200
FPF II CZP 4.5 x 40 BC 500	670311	●	4.5	40	28	9.0	PZ2	500
FPF II CZP 4.5 x 45 BC 50	670313	●	4.5	45	30	9.0	PZ2	50
FPF II CZP 4.5 x 45 BC 200	670312	●	4.5	45	30	9.0	PZ2	200
FPF II CZP 4.5 x 45 BC 500	670314	●	4.5	45	30	9.0	PZ2	500
FPF II CZP 4.5 x 50 BC 50	670316	●	4.5	50	30	9.0	PZ2	50



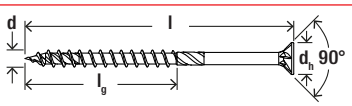
ø 4.5

Chipboard screw PowerFast FPF II CZP BC



FPF II CZP BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CZP 4.5 x 50 BC 200	670315	●	4.5	50	30	9.0	PZ2	200
FPF II CZP 4.5 x 50 BC 500	670317	●	4.5	50	30	9.0	PZ2	500
FPF II CZP 4.5 x 60 BC 50	670320	●	4.5	60	36	9.0	PZ2	50
FPF II CZP 4.5 x 60 BC 100	670318	●	4.5	60	36	9.0	PZ2	100
FPF II CZP 4.5 x 60 BC 200	670319	●	4.5	60	36	9.0	PZ2	200
FPF II CZP 4.5 x 60 BC 500	670321	●	4.5	60	36	9.0	PZ2	500
FPF II CZP 4.5 x 70 BC 50	670324	●	4.5	70	42	9.0	PZ2	50
FPF II CZP 4.5 x 70 BC 100	670322	●	4.5	70	42	9.0	PZ2	100
FPF II CZP 4.5 x 70 BC 200	670323	●	4.5	70	42	9.0	PZ2	200
FPF II CZP 4.5 x 70 BC 500	670634	●	4.5	70	42	9.0	PZ2	500
FPF II CZP 4.5 x 80 BC 50	670326	●	4.5	80	45	9.0	PZ2	50
FPF II CZP 4.5 x 80 BC 200	670325	●	4.5	80	45	9.0	PZ2	200
FPF II CZP 4.5 x 80 BC 500	670635	●	4.5	80	45	9.0	PZ2	500



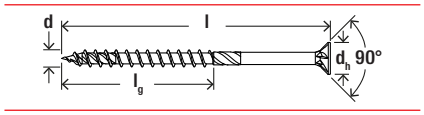
ø 5.0

Chipboard screw PowerFast FPF II CZP BC



FPF II CZP BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CZP 5.0 x 40 BC 100	670643	●	5.0	40	28	10.0	PZ2	100
FPF II CZP 5.0 x 40 BC 200	670413	●	5.0	40	28	10.0	PZ2	200
FPF II CZP 5.0 x 40 BC 500	670414	●	5.0	40	28	10.0	PZ2	500
FPF II CZP 5.0 x 45 BC 50	670416	●	5.0	45	30	10.0	PZ2	50
FPF II CZP 5.0 x 45 BC 100	670644	●	5.0	45	30	10.0	PZ2	100
FPF II CZP 5.0 x 45 BC 200	670415	●	5.0	45	30	10.0	PZ2	200
FPF II CZP 5.0 x 45 BC 500	670417	●	5.0	45	30	10.0	PZ2	500
FPF II CZP 5.0 x 50 BC 50	670419	●	5.0	50	30	10.0	PZ2	50
FPF II CZP 5.0 x 50 BC 100	670645	●	5.0	50	30	10.0	PZ2	100
FPF II CZP 5.0 x 50 BC 200	670418	●	5.0	50	30	10.0	PZ2	200
FPF II CZP 5.0 x 50 BC 500	670420	●	5.0	50	30	10.0	PZ2	500
FPF II CZP 5.0 x 60 BC 50	670423	●	5.0	60	36	10.0	PZ2	50
FPF II CZP 5.0 x 60 BC 100	670421	●	5.0	60	36	10.0	PZ2	100
FPF II CZP 5.0 x 60 BC 200	670422	●	5.0	60	36	10.0	PZ2	200
FPF II CZP 5.0 x 60 BC 500	670424	●	5.0	60	36	10.0	PZ2	500
FPF II CZP 5.0 x 70 BC 30	670427	●	5.0	70	42	10.0	PZ2	30
FPF II CZP 5.0 x 70 BC 100	670425	●	5.0	70	42	10.0	PZ2	100
FPF II CZP 5.0 x 70 BC 200	670426	●	5.0	70	42	10.0	PZ2	200
FPF II CZP 5.0 x 80 BC 30	670430	●	5.0	80	45	10.0	PZ2	30
FPF II CZP 5.0 x 80 BC 100	670428	●	5.0	80	45	10.0	PZ2	100
FPF II CZP 5.0 x 80 BC 200	670429	●	5.0	80	45	10.0	PZ2	200



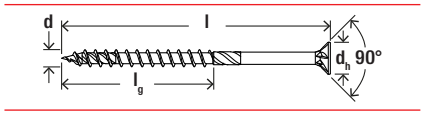
ø 5.0

Chipboard screw PowerFast FPF II CZP BC



FPF II CZP BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CZP 5.0 x 90 BC 30	670433	●	5.0	90	54	10.0	PZ2	30
FPF II CZP 5.0 x 90 BC 100	670431	●	5.0	90	54	10.0	PZ2	100
FPF II CZP 5.0 x 90 BC 200	670432	●	5.0	90	54	10.0	PZ2	200
FPF II CZP 5.0 x 100 BC 30	670409	●	5.0	100	60	10.0	PZ2	30
FPF II CZP 5.0 x 100 BC 100	670407	●	5.0	100	60	10.0	PZ2	100
FPF II CZP 5.0 x 100 BC 200	670408	●	5.0	100	60	10.0	PZ2	200
FPF II CZP 5.0 x 120 BC 30	670412	●	5.0	120	70	10.0	PZ2	30
FPF II CZP 5.0 x 120 BC 100	670410	●	5.0	120	70	10.0	PZ2	100
FPF II CZP 5.0 x 120 BC 200	670411	●	5.0	120	70	10.0	PZ2	200



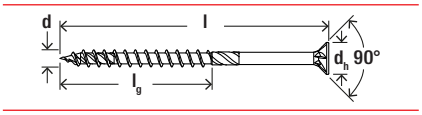
ø 6.0

Chipboard screw PowerFast FPF II CZP BC



FPF II CZP BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CZP 6.0 x 40 BC 50	670514	●	6.0	40	28	12.0	PZ3	50
FPF II CZP 6.0 x 40 BC 200	670513	●	6.0	40	28	12.0	PZ3	200
FPF II CZP 6.0 x 40 BC 500	670515	●	6.0	40	28	12.0	PZ3	500
FPF II CZP 6.0 x 50 BC 30	670518	●	6.0	50	30	12.0	PZ3	30
FPF II CZP 6.0 x 50 BC 100	670516	●	6.0	50	30	12.0	PZ3	100
FPF II CZP 6.0 x 50 BC 200	670517	●	6.0	50	30	12.0	PZ3	200
FPF II CZP 6.0 x 60 BC 30	670521	●	6.0	60	36	12.0	PZ3	30
FPF II CZP 6.0 x 60 BC 100	670519	●	6.0	60	36	12.0	PZ3	100
FPF II CZP 6.0 x 60 BC 200	670520	●	6.0	60	36	12.0	PZ3	200
FPF II CZP 6.0 x 70 BC 30	670524	●	6.0	70	42	12.0	PZ3	30
FPF II CZP 6.0 x 70 BC 100	670522	●	6.0	70	42	12.0	PZ3	100
FPF II CZP 6.0 x 70 BC 200	670523	●	6.0	70	42	12.0	PZ3	200
FPF II CZP 6.0 x 80 BC 30	670527	●	6.0	80	45	12.0	PZ3	30
FPF II CZP 6.0 x 80 BC 100	670525	●	6.0	80	45	12.0	PZ3	100
FPF II CZP 6.0 x 80 BC 200	670526	●	6.0	80	45	12.0	PZ3	200
FPF II CZP 6.0 x 90 BC 100	670528	●	6.0	90	54	12.0	PZ3	100
FPF II CZP 6.0 x 90 BC 200	670529	●	6.0	90	54	12.0	PZ3	200
FPF II CZP 6.0 x 100 BC 25	670501	●	6.0	100	60	12.0	PZ3	25
FPF II CZP 6.0 x 100 BC 100	670500	●	6.0	100	60	12.0	PZ3	100
FPF II CZP 6.0 x 120 BC 25	670503	●	6.0	120	70	12.0	PZ3	25
FPF II CZP 6.0 x 120 BC 100	670502	●	6.0	120	70	12.0	PZ3	100
FPF II CZP 6.0 x 140 BC 25	670505	●	6.0	140	70	12.0	PZ3	25
FPF II CZP 6.0 x 140 BC 100	670504	●	6.0	140	70	12.0	PZ3	100
FPF II CZP 6.0 x 160 BC 100	670506	●	6.0	160	70	12.0	PZ3	100
FPF II CZP 6.0 x 180 BC 25	670508	●	6.0	180	70	12.0	PZ3	25



ø 6.0

Chipboard screw PowerFast FPF II CZP BC



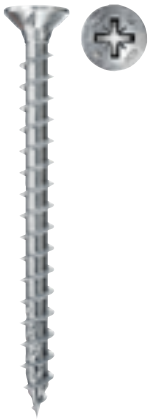
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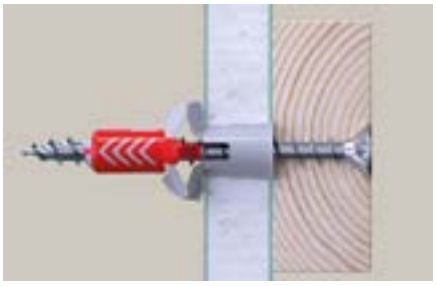
FPF II CZP BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CZP 6.0 x 180 BC 100	**670507**	●	6.0	180	70	12.0	PZ3	100
FPF II CZP 6.0 x 200 BC 25	**670510**	●	6.0	200	70	12.0	PZ3	25
FPF II CZP 6.0 x 200 BC 100	**670509**	●	6.0	200	70	12.0	PZ3	100
FPF II CZP 6.0 x 300 BC 25	**670511**	●	6.0	300	70	12.0	PZ3	25
FPF II CZP 6.0 x 300 BC 50	**670512**	●	6.0	300	70	12.0	PZ3	50

PowerFast FPF II CZF BC

The chipboard screw with countersunk head, cross drive PZ and full thread







Applications

- For use in load-bearing wooden constructions, for the connection of solid wood parts as well as glued laminated timber, cross laminated timber, etc.
- For metal parts to wood, e.g. metal fittings, angles, beam shoes and other metal and wood connections.
- Suitable for use with fischer plugs and recommended loads.

Advantages

- The screw geometry of the PowerFast II enables fast applications.
- Installation is easy, comfortable and flexible.
- The chipboard screw has significantly reduced splitting behavior in comparison with standard chipboard screws.
- The PowerFast II with high performance wax coating reduces screw-in torque and allows smooth installation.
- The blue passivated zinc plating does not contain chrome VI and is therefore environmentally friendly.

Certificates

CE

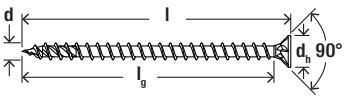
ETA-19/0175, for timber constructions

Building materials

- Solid wood parts (soft wood and hard wood)
- Glued-laminated timber
- Cross-laminated timber
- Veneer laminated timber
- Similar glued wood components and woodbased panels

Functioning

- Full thread screws are recommended for mounting thin parts and in less firm wood materials (e.g. soft woods).
- Screws with countersunk head can be flush mounted with the wood.



ø 3.0

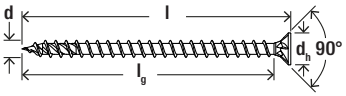
Chipboard screw PowerFast FPF II CZF BC



2

FPF II CZF BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CZF 3.0 x 12 BC 200	670023	–	3.0	12	8	6.0	PZ1	200
FPF II CZF 3.0 x 12 BC 300	670024	–	3.0	12	8	6.0	PZ1	300
FPF II CZF 3.0 x 12 BC 500	670025	–	3.0	12	8	6.0	PZ1	500
FPF II CZF 3.0 x 12 BC 1000	670022	–	3.0	12	8	6.0	PZ1	1000
FPF II CZF 3.0 x 16 BC 200	670027	–	3.0	16	12	6.0	PZ1	200
FPF II CZF 3.0 x 16 BC 300	670028	–	3.0	16	12	6.0	PZ1	300
FPF II CZF 3.0 x 16 BC 1000	670026	–	3.0	16	12	6.0	PZ1	1000
FPF II CZF 3.0 x 20 BC 200	670030	●	3.0	20	16	6.0	PZ1	200
FPF II CZF 3.0 x 20 BC 300	670031	●	3.0	20	16	6.0	PZ1	300
FPF II CZF 3.0 x 20 BC 1000	670029	●	3.0	20	16	6.0	PZ1	1000
FPF II CZF 3.0 x 25 BC 100	670032	●	3.0	25	21	6.0	PZ1	100
FPF II CZF 3.0 x 25 BC 200	670034	●	3.0	25	21	6.0	PZ1	200
FPF II CZF 3.0 x 25 BC 300	670035	●	3.0	25	21	6.0	PZ1	300
FPF II CZF 3.0 x 25 BC 1000	670033	●	3.0	25	21	6.0	PZ1	1000
FPF II CZF 3.0 x 30 BC 100	670036	●	3.0	30	26	6.0	PZ1	100
FPF II CZF 3.0 x 30 BC 200	670038	●	3.0	30	26	6.0	PZ1	200
FPF II CZF 3.0 x 30 BC 300	670039	●	3.0	30	26	6.0	PZ1	300
FPF II CZF 3.0 x 30 BC 1000	670037	●	3.0	30	26	6.0	PZ1	1000
FPF II CZF 3.0 x 35 BC 100	670040	●	3.0	35	31	6.0	PZ1	100
FPF II CZF 3.0 x 35 BC 200	670042	●	3.0	35	31	6.0	PZ1	200
FPF II CZF 3.0 x 35 BC 300	670043	●	3.0	35	31	6.0	PZ1	300
FPF II CZF 3.0 x 35 BC 1000	670041	●	3.0	35	31	6.0	PZ1	1000



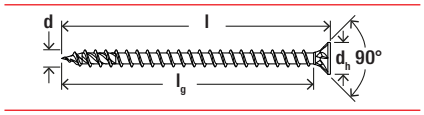
ø 3.5

Chipboard screw PowerFast FPF II CZF BC



FPF II CZF BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CZF 3.5 x 12 BC 200	670085	–	3.5	12	8	7.0	PZ2	200
FPF II CZF 3.5 x 12 BC 1000	670138	–	3.5	12	8	7.0	PZ2	1000
FPF II CZF 3.5 x 16 BC 200	670086	–	3.5	16	12	7.0	PZ2	200
FPF II CZF 3.5 x 16 BC 300	670110	–	3.5	16	12	7.0	PZ2	300
FPF II CZF 3.5 x 16 BC 1000	670139	–	3.5	16	12	7.0	PZ2	1000
FPF II CZF 3.5 x 18 BC 200	670623	–	3.5	18	14	7.0	PZ2	200
FPF II CZF 3.5 x 18 BC 500	670127	–	3.5	18	14	7.0	PZ2	500
FPF II CZF 3.5 x 20 BC 200	670087	●	3.5	20	16	7.0	PZ2	200
FPF II CZF 3.5 x 20 BC 300	670111	●	3.5	20	16	7.0	PZ2	300
FPF II CZF 3.5 x 20 BC 1000	670140	●	3.5	20	16	7.0	PZ2	1000
FPF II CZF 3.5 x 25 BC 100	670065	●	3.5	25	21	7.0	PZ2	100



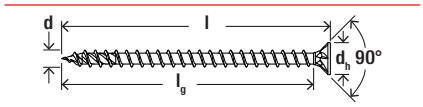
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Chipboard screw PowerFast FPF II CZF BC



FPF II CZF BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CZF 3.5 x 25 BC 200	670088	●	3.5	25	21	7.0	PZ2	200
FPF II CZF 3.5 x 25 BC 300	670112	●	3.5	25	21	7.0	PZ2	300
FPF II CZF 3.5 x 25 BC 1000	670141	●	3.5	25	21	7.0	PZ2	1000
FPF II CZF 3.5 x 30 BC 100	670066	●	3.5	30	26	7.0	PZ2	100
FPF II CZF 3.5 x 30 BC 200	670089	●	3.5	30	26	7.0	PZ2	200
FPF II CZF 3.5 x 30 BC 300	670113	●	3.5	30	26	7.0	PZ2	300
FPF II CZF 3.5 x 30 BC 1000	670142	●	3.5	30	26	7.0	PZ2	1000
FPF II CZF 3.5 x 35 BC 100	670067	●	3.5	35	31	7.0	PZ2	100
FPF II CZF 3.5 x 35 BC 200	670090	●	3.5	35	31	7.0	PZ2	200
FPF II CZF 3.5 x 35 BC 300	670114	●	3.5	35	31	7.0	PZ2	300
FPF II CZF 3.5 x 35 BC 1000	670143	●	3.5	35	31	7.0	PZ2	1000
FPF II CZF 3.5 x 40 BC 200	670091	●	3.5	40	36	7.0	PZ2	200
FPF II CZF 3.5 x 40 BC 300	670115	●	3.5	40	36	7.0	PZ2	300
FPF II CZF 3.5 x 40 BC 1000	670144	●	3.5	40	36	7.0	PZ2	1000



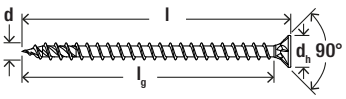
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Chipboard screw PowerFast FPF II CZF BC



FPF II CZF BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CZF 4.0 x 12 BC 200	670629	–	4.0	12	7	8.0	PZ2	200
FPF II CZF 4.0 x 12 BC 300	670181	–	4.0	12	7	8.0	PZ2	300
FPF II CZF 4.0 x 15 BC 200	562067	–	4.0	15	10	8.0	PZ2	200
FPF II CZF 4.0 x 16 BC 200	670183	–	4.0	16	11	8.0	PZ2	200
FPF II CZF 4.0 x 16 BC 300	670184	–	4.0	16	11	8.0	PZ2	300
FPF II CZF 4.0 x 16 BC 1000	670182	–	4.0	16	11	8.0	PZ2	1000
FPF II CZF 4.0 x 20 BC 100	670185	–	4.0	20	15	8.0	PZ2	100
FPF II CZF 4.0 x 20 BC 200	670187	–	4.0	20	15	8.0	PZ2	200
FPF II CZF 4.0 x 20 BC 300	670188	–	4.0	20	15	8.0	PZ2	300
FPF II CZF 4.0 x 20 BC 1000	670186	–	4.0	20	15	8.0	PZ2	1000
FPF II CZF 4.0 x 25 BC 100	670189	●	4.0	25	20	8.0	PZ2	100
FPF II CZF 4.0 x 25 BC 200	670191	●	4.0	25	20	8.0	PZ2	200
FPF II CZF 4.0 x 25 BC 300	670192	●	4.0	25	20	8.0	PZ2	300
FPF II CZF 4.0 x 25 BC 1000	670190	●	4.0	25	20	8.0	PZ2	1000
FPF II CZF 4.0 x 30 BC 100	670193	●	4.0	30	25	8.0	PZ2	100
FPF II CZF 4.0 x 30 BC 200	670195	●	4.0	30	25	8.0	PZ2	200
FPF II CZF 4.0 x 30 BC 300	670196	●	4.0	30	25	8.0	PZ2	300
FPF II CZF 4.0 x 30 BC 1000	670194	●	4.0	30	25	8.0	PZ2	1000
FPF II CZF 4.0 x 35 BC 100	670197	●	4.0	35	30	8.0	PZ2	100



ø 4.0

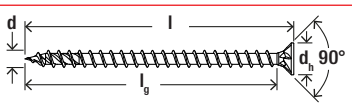
Chipboard screw PowerFast FPF II CZF BC



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FPF II CZF BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CZF 4.0 x 35 BC 200	670199	●	4.0	35	30	8.0	PZ2	200
FPF II CZF 4.0 x 35 BC 300	670200	●	4.0	35	30	8.0	PZ2	300
FPF II CZF 4.0 x 35 BC 1000	670198	●	4.0	35	30	8.0	PZ2	1000
FPF II CZF 4.0 x 40 BC 100	670201	●	4.0	40	35	8.0	PZ2	100
FPF II CZF 4.0 x 40 BC 200	670203	●	4.0	40	35	8.0	PZ2	200
FPF II CZF 4.0 x 40 BC 300	670204	●	4.0	40	35	8.0	PZ2	300
FPF II CZF 4.0 x 40 BC 1000	670202	●	4.0	40	35	8.0	PZ2	1000
FPF II CZF 4.0 x 45 BC 200	670205	●	4.0	45	40	8.0	PZ2	200
FPF II CZF 4.0 x 45 BC 500	670206	●	4.0	45	40	8.0	PZ2	500
FPF II CZF 4.0 x 50 BC 200	670207	●	4.0	50	45	8.0	PZ2	200
FPF II CZF 4.0 x 50 BC 500	670208	●	4.0	50	45	8.0	PZ2	500



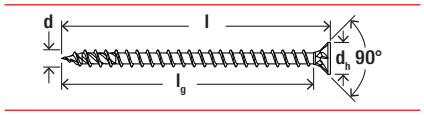
ø 4.5

Chipboard screw PowerFast FPF II CZF BC



FPF II CZF BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CZF 4.5 x 16 BC 100	670281	–	4.5	16	11	9.0	PZ2	100
FPF II CZF 4.5 x 16 BC 200	670283	–	4.5	16	11	9.0	PZ2	200
FPF II CZF 4.5 x 16 BC 300	670284	–	4.5	16	11	9.0	PZ2	300
FPF II CZF 4.5 x 16 BC 1000	670282	–	4.5	16	11	9.0	PZ2	1000
FPF II CZF 4.5 x 20 BC 100	670285	–	4.5	20	15	9.0	PZ2	100
FPF II CZF 4.5 x 20 BC 200	670287	–	4.5	20	15	9.0	PZ2	200
FPF II CZF 4.5 x 20 BC 300	670288	–	4.5	20	15	9.0	PZ2	300
FPF II CZF 4.5 x 20 BC 1000	670286	–	4.5	20	15	9.0	PZ2	1000
FPF II CZF 4.5 x 25 BC 100	670289	●	4.5	25	20	9.0	PZ2	100
FPF II CZF 4.5 x 25 BC 200	670291	●	4.5	25	20	9.0	PZ2	200
FPF II CZF 4.5 x 25 BC 300	670292	●	4.5	25	20	9.0	PZ2	300
FPF II CZF 4.5 x 25 BC 1000	670290	●	4.5	25	20	9.0	PZ2	1000
FPF II CZF 4.5 x 30 BC 100	670293	●	4.5	30	25	9.0	PZ2	100
FPF II CZF 4.5 x 30 BC 200	670295	●	4.5	30	25	9.0	PZ2	200
FPF II CZF 4.5 x 30 BC 300	670296	●	4.5	30	25	9.0	PZ2	300
FPF II CZF 4.5 x 30 BC 1000	670294	●	4.5	30	25	9.0	PZ2	1000
FPF II CZF 4.5 x 35 BC 100	670297	●	4.5	35	30	9.0	PZ2	100
FPF II CZF 4.5 x 35 BC 200	670298	●	4.5	35	30	9.0	PZ2	200
FPF II CZF 4.5 x 35 BC 500	670299	●	4.5	35	30	9.0	PZ2	500
FPF II CZF 4.5 x 40 BC 200	670300	●	4.5	40	35	9.0	PZ2	200
FPF II CZF 4.5 x 40 BC 500	670301	●	4.5	40	35	9.0	PZ2	500
FPF II CZF 4.5 x 45 BC 200	670302	●	4.5	45	40	9.0	PZ2	200



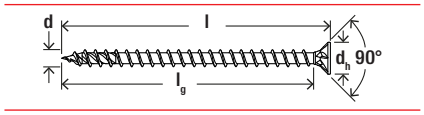
ø 4.5

Chipboard screw PowerFast FPF II CZF BC



FPF II CZF BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CZF 4.5 x 45 BC 500	670303	●	4.5	45	40	9.0	PZ2	500
FPF II CZF 4.5 x 50 BC 200	670304	●	4.5	50	45	9.0	PZ2	200
FPF II CZF 4.5 x 50 BC 500	670305	●	4.5	50	45	9.0	PZ2	500



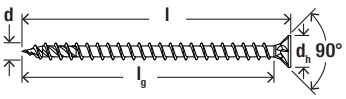
ø 5.0

Chipboard screw PowerFast FPF II CZF BC



FPF II CZF BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CZF 5.0 x 20 BC 50	670387	–	5.0	20	14	10.0	PZ2	50
FPF II CZF 5.0 x 20 BC 200	670386	–	5.0	20	14	10.0	PZ2	200
FPF II CZF 5.0 x 20 BC 500	670388	–	5.0	20	14	10.0	PZ2	500
FPF II CZF 5.0 x 25 BC 50	670390	–	5.0	25	19	10.0	PZ2	50
FPF II CZF 5.0 x 25 BC 200	670389	–	5.0	25	19	10.0	PZ2	200
FPF II CZF 5.0 x 25 BC 500	670391	–	5.0	25	19	10.0	PZ2	500
FPF II CZF 5.0 x 30 BC 50	670393	●	5.0	30	24	10.0	PZ2	50
FPF II CZF 5.0 x 30 BC 200	670392	●	5.0	30	24	10.0	PZ2	200
FPF II CZF 5.0 x 30 BC 500	670394	●	5.0	30	24	10.0	PZ2	500
FPF II CZF 5.0 x 35 BC 50	670396	●	5.0	35	29	10.0	PZ2	50
FPF II CZF 5.0 x 35 BC 200	670395	●	5.0	35	24	10.0	PZ2	200
FPF II CZF 5.0 x 35 BC 500	670397	●	5.0	35	29	10.0	PZ2	500
FPF II CZF 5.0 x 40 BC 50	670399	●	5.0	40	34	10.0	PZ2	50
FPF II CZF 5.0 x 40 BC 200	670398	●	5.0	40	34	10.0	PZ2	200
FPF II CZF 5.0 x 40 BC 500	670400	●	5.0	40	34	10.0	PZ2	500
FPF II CZF 5.0 x 45 BC 200	670401	●	5.0	45	39	10.0	PZ2	200
FPF II CZF 5.0 x 45 BC 500	670402	●	5.0	45	39	10.0	PZ2	500
FPF II CZF 5.0 x 50 BC 200	670403	●	5.0	50	44	10.0	PZ2	200
FPF II CZF 5.0 x 60 BC 100	670404	●	5.0	60	54	10.0	PZ2	100
FPF II CZF 5.0 x 60 BC 200	670405	●	5.0	60	54	10.0	PZ2	200
FPF II CZF 5.0 x 60 BC 500	670406	●	5.0	60	54	10.0	PZ2	500



ø 6.0

Chipboard screw PowerFast FPF II CZF BC



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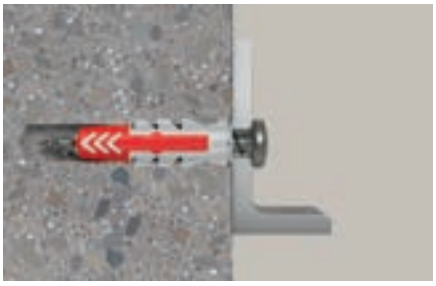
FPF II CZF BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CZF 6.0 x 30 BC 50	**670489**	–	6.0	30	23	12.0	PZ3	50
FPF II CZF 6.0 x 30 BC 200	**670488**	–	6.0	30	23	12.0	PZ3	200
FPF II CZF 6.0 x 30 BC 500	**670490**	–	6.0	30	23	12.0	PZ3	500
FPF II CZF 6.0 x 35 BC 50	**670492**	●	6.0	35	28	12.0	PZ3	50
FPF II CZF 6.0 x 35 BC 200	**670491**	●	6.0	35	28	12.0	PZ3	200
FPF II CZF 6.0 x 35 BC 500	**670493**	●	6.0	35	28	12.0	PZ3	500
FPF II CZF 6.0 x 40 BC 200	**670494**	●	6.0	40	33	12.0	PZ3	200
FPF II CZF 6.0 x 40 BC 500	**670495**	●	6.0	40	33	12.0	PZ3	500
FPF II CZF 6.0 x 50 BC 100	**670496**	●	6.0	50	43	12.0	PZ3	100
FPF II CZF 6.0 x 50 BC 400	**670497**	●	6.0	50	43	12.0	PZ3	400
FPF II CZF 6.0 x 60 BC 100	**670498**	●	6.0	60	53	12.0	PZ3	100
FPF II CZF 6.0 x 60 BC 200	**670499**	●	6.0	60	53	12.0	PZ3	200

PowerFast FPF II PTP BC

The chipboard screw with pan head, TX star recess socket and patial thread







Applications

- For use in load-bearing wooden constructions, for the connection of solid wood parts as well as glued laminated timber, cross laminated timber, etc.
- For metal parts to wood, e.g. metal fittings, angles, beam shoes and other metal and wood connections.
- Suitable for use with fischer plugs and recommended loads.

Advantages

- The screw geometry of the PowerFast II enables fast applications.
- Installation is easy, comfortable and flexible.
- The chipboard screw has significantly reduced splitting behavior in comparison with standard chipboard screws.
- The PowerFast II with high performance wax coating reduces screw-in torque and allows smooth installation.
- The blue passivated zinc plating does not contain chrome VI and is therefore environmentally friendly.

Certificates

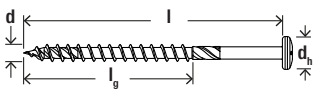
ETA-19/0175, for timber constructions

Building materials

- Solid wood parts (soft wood and hard wood)
- Glued-laminated timber
- Cross-laminated timber
- Veneer laminated timber
- Similar glued wood components and woodbased panels

Functioning

- Screws with partial threads can lock wood parts into place by tightening them against each other.
- Pan head screws are particularly well suited for metal and wood joints.
- Screws cannot sink.



Technical data

Chipboard screw PowerFast FPF II PTP BC

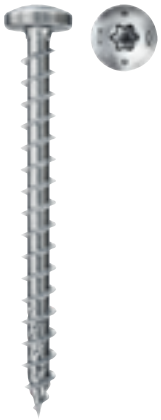


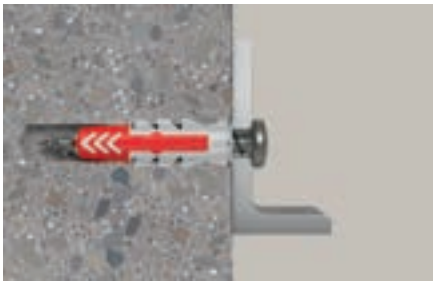
FPF II PTP BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II PTP 6.0 x 80 BC 50	670534	●	6.0	80	45	12.0	TX30	50
FPF II PTP 6.0 x 100 BC 25	670533	●	6.0	100	60	12.0	TX30	25

PowerFast FPF II PTF BC

The chipboard screw with pan head, TX star recess socket and full thread







Applications

- For use in load-bearing wooden constructions, for the connection of solid wood parts as well as glued laminated timber, cross laminated timber, etc.
- For metal parts to wood, e.g. metal fittings, angles, beam shoes and other metal and wood connections.
- Suitable for use with fischer plugs and recommended loads.

Advantages

- The screw geometry of the PowerFast II enables fast applications.
- Installation is easy, comfortable and flexible.
- The chipboard screw has significantly reduced splitting behavior in comparison with standard chipboard screws.
- The PowerFast II with high performance wax coating reduces screw-in torque and allows smooth installation.
- The blue passivated zinc plating does not contain chrome VI and is therefore environmentally friendly.

Certificates

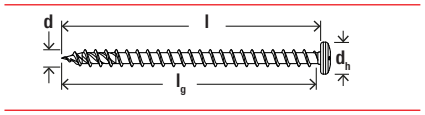
ETA-19/0175, for timber constructions

Building materials

- Solid wood parts (soft wood and hard wood)
- Glued-laminated timber
- Cross-laminated timber
- Veneer laminated timber
- Similar glued wood components and woodbased panels

Functioning

- Full thread screws are recommended for mounting thin parts and in less firm wood materials (e.g. soft woods).
- Pan head screws are particularly well suited for metal and wood joints.
- Screws cannot sink.



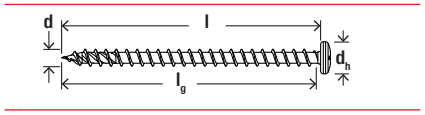
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Chipboard screw PowerFast FPF II PTF BC



FPF II PTF BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II PTF 3.0 x 12 BC 200	670056	–	3.0	12	8	6.0	TX10	200
FPF II PTF 3.0 x 16 BC 200	670057	–	3.0	16	12	6.0	TX10	200
FPF II PTF 3.0 x 20 BC 200	670058	●	3.0	20	16	6.0	TX10	200
FPF II PTF 3.0 x 25 BC 200	670059	●	3.0	25	21	6.0	TX10	200
FPF II PTF 3.0 x 30 BC 200	670060	●	3.0	30	26	6.0	TX10	200



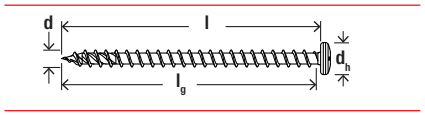
ø 3.5

Chipboard screw PowerFast FPF II PTF BC



FPF II PTF BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II PTF 3.5 x 12 BC 200	670097	–	3.5	12	8	7.0	TX20	200
FPF II PTF 3.5 x 15 BC 200	670098	–	3.5	15	11	7.0	TX20	200
FPF II PTF 3.5 x 16 BC 200	670099	–	3.5	16	12	7.0	TX20	200
FPF II PTF 3.5 x 20 BC 200	670100	●	3.5	20	16	7.0	TX20	200
FPF II PTF 3.5 x 25 BC 200	670101	●	3.5	25	21	7.0	TX20	200
FPF II PTF 3.5 x 30 BC 200	670102	●	3.5	30	26	7.0	TX20	200
FPF II PTF 3.5 x 35 BC 200	670103	●	3.5	35	31	7.0	TX20	200



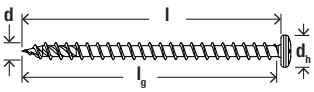
ø 4.0

Chipboard screw PowerFast FPF II PTF BC



FPF II PTF BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II PTF 4.0 x 15 BC 200	670233	–	4.0	15	10	8.0	TX20	200
FPF II PTF 4.0 x 16 BC 200	670234	–	4.0	16	11	8.0	TX20	200
FPF II PTF 4.0 x 20 BC 200	670235	–	4.0	20	15	8.0	TX20	200
FPF II PTF 4.0 x 25 BC 200	670236	–	4.0	25	20	8.0	TX20	200



ø 4.0

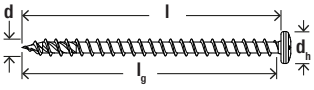
Chipboard screw PowerFast FPF II PTF BC



2

FPF II PTF BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II PTF 4.0 x 30 BC 200	670237	●	4.0	30	25	8.0	TX20	200
FPF II PTF 4.0 x 35 BC 200	670238	●	4.0	35	30	8.0	TX20	200
FPF II PTF 4.0 x 40 BC 200	670239	●	4.0	40	35	8.0	TX20	200
FPF II PTF 4.0 x 50 BC 200	670240	●	4.0	50	45	8.0	TX20	200



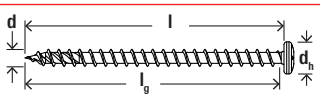
ø 4.5

Chipboard screw PowerFast FPF II PTF BC



FPF II PTF BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II PTF 4.5 x 16 BC 200	670327	–	4.5	16	11	9.0	TX20	200
FPF II PTF 4.5 x 20 BC 200	670328	–	4.5	20	15	9.0	TX20	200
FPF II PTF 4.5 x 25 BC 200	670329	●	4.5	25	20	9.0	TX20	200
FPF II PTF 4.5 x 30 BC 200	670330	●	4.5	30	25	9.0	TX20	200
FPF II PTF 4.5 x 35 BC 200	670331	●	4.5	35	30	9.0	TX20	200
FPF II PTF 4.5 x 40 BC 200	670332	●	4.5	40	35	9.0	TX20	200
FPF II PTF 4.5 x 50 BC 200	670636	●	4.5	50	45	9.0	TX20	200
FPF II PTF 4.5 x 50 BC 300	670333	●	4.5	50	45	9.0	TX20	300



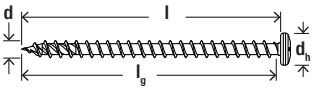
ø 5.0

Chipboard screw PowerFast FPF II PTF BC



FPF II PTF BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II PTF 5.0 x 16 BC 200	670434	–	5.0	16	10	10.0	TX20	200
FPF II PTF 5.0 x 20 BC 200	670435	–	5.0	20	14	10.0	TX20	200
FPF II PTF 5.0 x 25 BC 200	670436	–	5.0	25	19	10.0	TX20	200
FPF II PTF 5.0 x 30 BC 200	670437	●	5.0	30	24	10.0	TX20	200



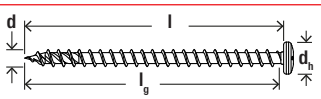
ø 5.0

Chipboard screw PowerFast FPF II PTF BC



FPF II PTF BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II PTF 5.0 x 40 BC 100	**670438**	●	5.0	40	34	10.0	TX20	100
FPF II PTF 5.0 x 50 BC 100	**670439**	●	5.0	50	44	10.0	TX20	100
FPF II PTF 5.0 x 60 BC 100	**670440**	●	5.0	60	54	10.0	TX20	100
FPF II PTF 5.0 x 70 BC 100	**670646**	●	5.0	70	64	10.0	TX20	100
FPF II PTF 5.0 x 70 BC 50	**670441**	●	5.0	70	64	10.0	TX20	50



ø 6.0

Chipboard screw PowerFast FPF II PTF BC

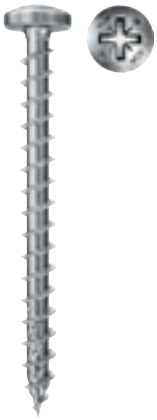


FPF II PTF BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II PTF 6.0 x 40 BC 100	**670530**	●	6.0	40	33	12.0	TX30	100
FPF II PTF 6.0 x 50 BC 50	**670531**	●	6.0	50	43	12.0	TX30	50
FPF II PTF 6.0 x 60 BC 50	**670532**	●	6.0	60	53	12.0	TX30	50

PowerFast FPF II PZF BC

The chipboard screw with pan head, PZ cross drive and full thread





Applications

- For use in load-bearing wooden constructions, for the connection of solid wood parts as well as glued laminated timber, cross laminated timber, etc.
- For metal parts to wood, e.g. metal fittings, angles, beam shoes and other metal and wood connections.
- Suitable for use with fischer plugs and recommended loads.

Advantages

- The screw geometry of the PowerFast II enables fast applications.
- Installation is easy, comfortable and flexible.
- The chipboard screw has significantly reduced splitting behavior in comparison with standard chipboard screws.
- The PowerFast II with high performance wax coating reduces screw-in torque and allows smooth installation.
- The blue passivated zinc plating does not contain chrome VI and is therefore environmentally friendly.

Certificates

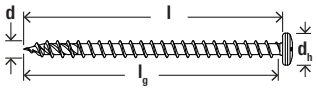
ETA-19/0175, for timber constructions

Building materials

- Solid wood parts (soft wood and hard wood)
- Glued-laminated timber
- Cross-laminated timber
- Veneer laminated timber
- Similar glued wood components and woodbased panels

Functioning

- Full thread screws are recommended for mounting thin parts and in less firm wood materials (e.g. soft woods).
- Pan head screws are particularly well suited for metal and wood joints.
- Screws cannot sink.



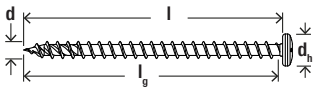
ø 3.0

PowerFast FPF II PZF BC 3.0



FPF II PZF BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II PZF 3,0 x 12 BC 200	670061	–	3.0	12	8	6.0	PZ1	200
FPF II PZF 3,0 x 16 BC 200	670062	–	3.0	16	12	6.0	PZ1	200
FPF II PZF 3,0 x 25 BC 200	670063	●	3.0	25	21	6.0	PZ1	200
FPF II PZF 3,0 x 30 BC 200	670064	●	3.0	30	26	6.0	PZ1	200



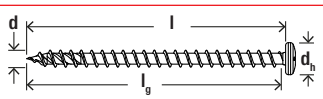
ø 3.5

PowerFast FPF II PZF BC 3.5



FPF II PZF BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II PZF 3,5 x 16 BC 200	670104	–	3.5	16	12	7.0	PZ1	200
FPF II PZF 3,5 x 20 BC 200	670105	●	3.5	20	16	7.0	PZ1	200



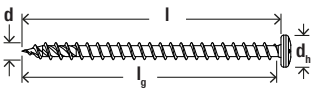
ø 4.0

PowerFast FPF II PZF BC 4.0



FPF II PZF BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II PZF 4,0 x 16 BC 200	670241	–	4.0	16	11	8.0	PZ2	200
FPF II PZF 4,0 x 20 BC 200	670242	●	4.0	20	15	8.0	PZ2	200
FPF II PZF 4,0 x 25 BC 200	670243	●	4.0	25	20	8.0	PZ2	200
FPF II PZF 4,0 x 30 BC 200	670244	●	4.0	30	25	8.0	PZ2	200
FPF II PZF 4,0 x 35 BC 200	670245	●	4.0	35	30	8.0	PZ2	200
FPF II PZF 4,0 x 40 BC 200	670246	●	4.0	40	35	8.0	PZ2	200
FPF II PZF 4,0 x 45 BC 200	670247	●	4.0	45	40	8.0	PZ2	200
FPF II PZF 4,0 x 50 BC 200	670248	●	4.0	50	45	8.0	PZ2	200



ø 4.5

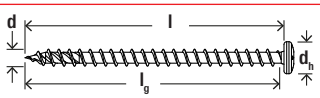
PowerFast FPF II PZF BC 4.5



2

FPF II PZF BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II PZF 4,5 x 16 BC 200	**670334**	–	4.0	16	11	9.0	PZ2	200
FPF II PZF 4,5 x 20 BC 200	**670335**	–	4.5	20	15	9.0	PZ2	200
FPF II PZF 4,5 x 25 BC 200	**670336**	●	4.5	25	20	9.0	PZ2	200
FPF II PZF 4,5 x 30 BC 200	**670337**	●	4.5	30	25	9.0	PZ2	200
FPF II PZF 4,5 x 35 BC 200	**670338**	●	4.5	35	30	9.0	PZ2	200
FPF II PZF 4,5 x 40 BC 200	**670339**	●	4.5	40	35	9.0	PZ2	200
FPF II PZF 4,5 x 50 BC 200	**670340**	●	4.5	50	45	9.0	PZ2	200



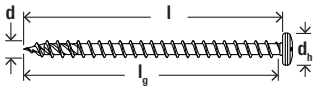
ø 5.0

PowerFast FPF II PZF BC 5.0



FPF II PZF BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II PZF 5,0 x 16 BC 200	**670442**	–	5.0	16	10	10.0	PZ2	200
FPF II PZF 5,0 x 20 BC 200	**670443**	–	5.0	20	14	10.0	PZ2	200
FPF II PZF 5,0 x 25 BC 200	**670444**	–	5.0	25	19	10.0	PZ2	200
FPF II PZF 5,0 x 30 BC 200	**670445**	●	5.0	30	24	10.0	PZ2	200
FPF II PZF 5,0 x 40 BC 100	**670446**	●	5.0	40	34	10.0	PZ2	100
FPF II PZF 5,0 x 50 BC 100	**670447**	●	5.0	50	44	10.0	PZ2	100
FPF II PZF 5,0 x 60 BC 100	**670448**	●	5.0	60	54	10.0	PZ2	100
FPF II PZF 5,0 x 70 BC 100	**670449**	●	5.0	70	64	10.0	PZ2	100



ø 6.0

PowerFast FPF II PZF BC 6.0

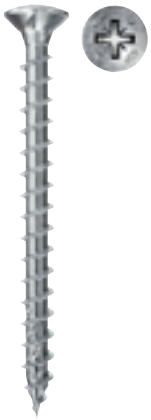


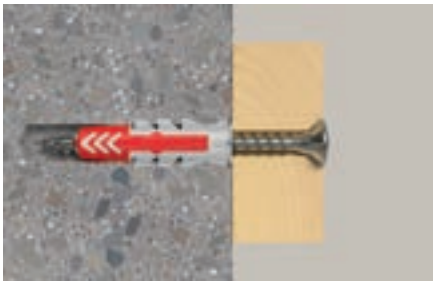
FPF II PZF BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II PZF 6,0 x 40 BC 100	**670535**	●	6.0	40	33	12.0	PZ3	100
FPF II PZF 6,0 x 50 BC 100	**670536**	●	6.0	50	43	12.0	PZ3	100
FPF II PZF 6,0 x 60 BC 100	**670537**	●	6.0	60	53	12.0	PZ3	100
FPF II PZF 6,0 x 70 BC 50	**670538**	●	6.0	70	63	12.0	PZ3	50

PowerFast FPF II RZF BC

The chipboard screw with raised countersunk head, PZ cross drive and full thread







Applications

- For use in load-bearing wooden constructions, for the connection of solid wood parts as well as glued laminated timber, cross laminated timber, etc.
- For metal parts to wood, e.g. metal fittings, angles, beam shoes and other metal and wood connections.
- Suitable for use with fischer plugs and recommended loads.

Advantages

- The screw geometry of the PowerFast II enables fast applications.
- Installation is easy, comfortable and flexible.
- The chipboard screw has significantly reduced splitting behavior in comparison with standard chipboard screws.
- The PowerFast II with high performance wax coating reduces screw-in torque and allows smooth installation.
- The blue passivated zinc plating does not contain chrome VI and is therefore environmentally friendly.

Certificates

CE

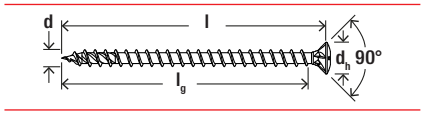
ETA-19/0175, for timber constructions

Building materials

- Solid wood parts (soft wood and hard wood)
- Glued-laminated timber
- Cross-laminated timber
- Veneer laminated timber
- Similar glued wood components and woodbased panels

Functioning

- Full thread screws are recommended for mounting thin parts and in less firm wood materials (e.g. soft woods).
- The raised countersunk head is particularly suitable for joints where the screw head is visible and needs to leave behind an attractive appearance.



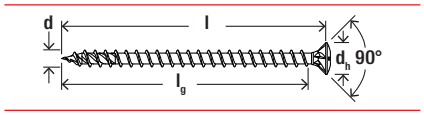
ø 3.5

Chipboard screw PowerFast FPF II RZF BC



FPF II RZF BC

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II RZF 3.5 x 16 BC 500	**670129**	3.5	16	12	7.0	PZ2	500



ø 4.0

Chipboard screw PowerFast FPF II RZF BC



FPF II RZF BC

Item	Item no.	Ap-pro-val ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II RZF 4.0 x 30 BC 500	**670249**	●	4.0	30	25	8.0	PZ2	500
FPF II RZF 4.0 x 35 BC 500	**670250**	●	4.0	35	30	8.0	PZ2	500
FPF II RZF 4.0 x 40 BC 500	**670251**	●	4.0	40	35	8.0	PZ2	500
FPF II RZF 4.0 x 45 BC 500	**670252**	●	4.0	45	40	8.0	PZ2	500

PowerFast FPF II STP BC

The chipboard screw with step countersunk head, TX star recess socket and partial thread







Timber railing construction

Applications

- For use in load-bearing wooden constructions, for the connection of solid wood parts as well as glued laminated timber, cross laminated timber, etc.
- For metal parts to wood, e.g. metal fittings, angles, beam shoes and other metal and wood connections.
- Suitable for use with fischer plugs and recommended loads.

Advantages

- The step countersunk head can also be easily countersunk like the normal countersunk head and has the additional advantage of higher pull-out values due to the large head diameter.
- The increased thread pitch significantly reduces the installation time.
- The three ribs on the tip, ensure a quick bite and pre-drilling.
- The shank-miller in combination with the core-miller geometry is designed to reduce the installation torque.
- The PowerFast II is suitable for use with fischer plugs (E.g DuoPower and UX) and recommended loads.
- In diameter 5.0 available with TX25 drive.

Certificates

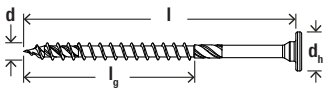
ETA-19/0175, for timber constructions

Building materials

- Solid wood parts (soft wood and hard wood)
- Glued-laminated timber
- Cross-laminated timber
- Veneer laminated timber
- Similar glued wood components and woodbased panels

Functioning

- Screws with partial threads can lock wood parts into place by tightening them against each other.
- Screws with step countersunk head can be flush mounted with the wood.



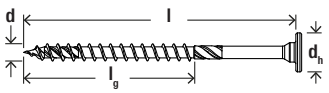
ø 5.0

Chipboard screw PowerFast FPF II ST25P BC



FPF II STP BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II ST25P 5.0 x 50 BC 200	**561777**	●	5.0	50	30	11.0	TX25	200
FPF II ST25P 5.0 x 60 BC 200	**561778**	●	5.0	60	36	11.0	TX25	200
FPF II ST25P 5.0 x 80 BC 200	**561779**	●	5.0	80	45	11.0	TX25	200
FPF II ST25P 5.0 x 100 BC 100	**561780**	●	5.0	100	60	11.0	TX25	100
FPF II ST25P 5.0 x 120 BC 100	**561781**	●	5.0	120	70	11.0	TX25	100



ø 6.0

Chipboard screw PowerFast FPF II STP BC



FPF II STP BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II STP 6.0 x 60 BC 100	**561782**	●	6.0	60	36	13.5	TX30	100
FPF II STP 6.0 x 80 BC 100	**561783**	●	6.0	80	45	13.5	TX30	100
FPF II STP 6.0 x 100 BC 100	**561784**	●	6.0	100	60	13.5	TX30	100
FPF II STP 6.0 x 120 BC 100	**561785**	●	6.0	120	70	13.5	TX30	100
FPF II STP 6.0 x 140 BC 100	**561786**	●	6.0	140	70	13.5	TX30	100
FPF II STP 6.0 x 160 BC 100	**561787**	●	6.0	160	70	13.5	TX30	100
FPF II STP 6.0 x 180 BC 100	**561788**	●	6.0	180	70	13.5	TX30	100

PowerFast FPF II WTP BC

The chipboard screw with flange head, TX star recess socket and partial thread







Applications

- For use in load-bearing wooden constructions, for the connection of solid wood parts as well as glued laminated timber, cross laminated timber, etc.
- For metal parts to wood, e.g. metal fittings, angles, beam shoes and other metal and wood connections.
- Suitable for use with fischer plugs and recommended loads.

Advantages

- With flange head for greater contraction effect as well as significantly increased head pull-through resistance.
- The increased thread pitch significantly reduces the installation time.
- The three ribs on the tip, ensure a quick bite and pre-drilling.
- The shank-miller in combination with the core-miller geometry is designed to reduce the installation torque.
- The PowerFast II is suitable for use with fischer plugs (E.g DuoPower and UX) and recommended loads.

Certificates

ETA-19/0175, for timber constructions

Building materials

- Solid wood parts (soft wood and hard wood)
- Glued-laminated timber
- Cross-laminated timber
- Veneer laminated timber
- Similar glued wood components and woodbased panels

Functioning

- Screws with partial threads can lock wood parts into place by tightening them against each other.

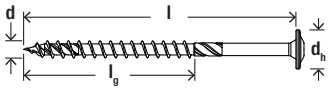
ø 5,0

Chipboard screw PowerFast FPF II WT25P



FPF II WT25P

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II WT25P 5,0 x 50 BC 200	561789	●	5.0	50	30	11.0	TX25	200
FPF II WT25P 5,0 x 60 BC 200	561790	●	5.0	60	36	11.0	TX25	200
FPF II WT25P 5,0 x 80 BC 200	561791	●	5.0	80	45	11.0	TX25	200
FPF II WT25P 5,0 x 100 BC 100	561792	●	5.0	100	60	11.0	TX25	100
FPF II WT25P 5,0 x 120 BC 100	561793	●	5.0	120	70	11.0	TX25	100



ø 6.0

Chipboard screw PowerFast FPF II WTP BC



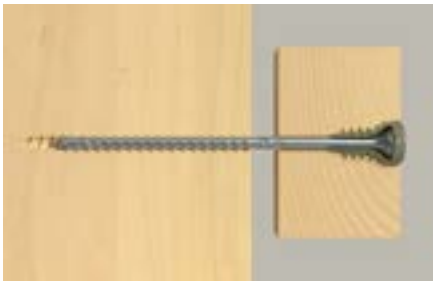
FPF II WTP BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II WTP 6.0 x 60 BC 100	561794	●	6.0	60	36	13.5	TX30	100
FPF II WTP 6.0 x 80 BC 100	561795	●	6.0	80	45	13.5	TX30	100
FPF II WTP 6.0 x 100 BC 100	561796	●	6.0	100	60	13.5	TX30	100
FPF II WTP 6.0 x 120 BC 100	561797	●	6.0	120	70	13.5	TX30	100
FPF II WTP 6.0 x 140 BC 100	561798	●	6.0	140	70	13.5	TX30	100
FPF II WTP 6.0 x 160 BC 100	561799	●	6.0	160	70	13.5	TX30	100
FPF II WTP 6.0 x 180 BC 100	561800	●	6.0	180	70	13.5	TX30	100
FPF II WTP 6.0 x 200 BC 100	561801	●	6.0	200	70	13.5	TX30	100
FPF II WTP 6.0 x 220 BC 100	561802	●	6.0	220	70	13.5	TX30	100
FPF II WTP 6.0 x 240 BC 100	561803	●	6.0	240	70	13.5	TX30	100
FPF II WTP 6.0 x 260 BC 100	561804	●	6.0	260	70	13.5	TX30	100
FPF II WTP 6.0 x 280 BC 100	561805	●	6.0	280	70	13.5	TX30	100
FPF II WTP 6.0 x 300 BC 100	561806	●	6.0	300	70	13.5	TX30	100

Adjusting screw FAFS

The removable frame screw for precise adjustment







Ceiling substructures

Applications

- Wooden substructures
- Window frames
- Door frames
- Wall covering

Advantages

- The countersunk clip of the screw does not rotate during adjustment. The screw head maintains its position in the attachment part. Flush installation is ensured, without protruding screw heads.
- The special operating principle allows for stepless adjustment. The attachment part can be aligned with a high level of precision.
- The thread on the clip enables an unscrewing from the attachment part, facilitating disassembly.
- The PowerFast II chipboard screw used ensures the screw bites quickly into the material and screws in fast.

Certificates

ETA-19/0175, for timber constructions

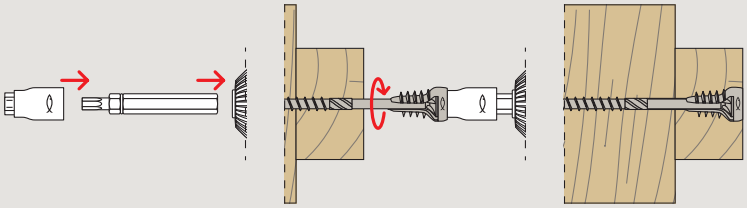
Building materials

- Wood and wooden materials or wooden panels

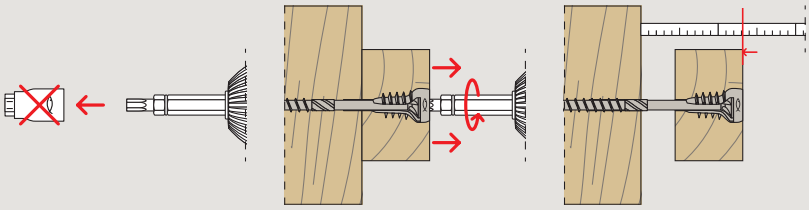
Functioning

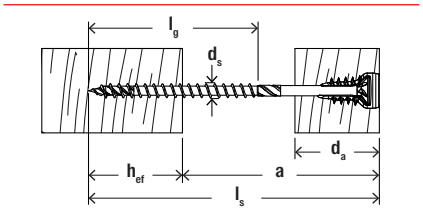
- FAFS is suitable for push-through installation.
- With the separately available setting tool attached to the bit, the adjusting screw can be screwed into the attachment flush with the surface or slightly countersunk.
- The bit can be used to steplessly adjust the component distance, without the setting tool and by changing the direction of rotation. The clip maintains its position in the attachment part during adjustment.
- Pre-drilling a 6 mm diameter hole is recommended for wooden boards > 30 mm thick, or hardwoods, as well as assembly near an edge. For application according approval, the specifications of ETA-19/0175 must be observed.
- The screw can be used in masonry with the fischer DuoPower 6x50 or UX 6x50 and after pre-drilling a 6 mm diameter hole.
- With the bit and the setting tool attached, the adjusting screw can be dismantled by turning it anti-clock-wise.

Installation FAFS



Adjustment FAFS





Technical data

Adjustable screw FAFS



FAFS

Item	Item no.	Approval ETA	Effect. anchorage depth h_{ef} [mm]	Max. distance a [mm]	Screw dimension d_s x l_s [mm]	Thread length l_g [mm]	Drive	Min. timber thickness d_a [mm]	Sales unit [pcs]
FAFS 5 x 80 TX25	**558879**[1]	●	20	60	5.0 x 80	45	TX25	20	100
FAFS 5 x 90 TX25	**558880**[1]	●	20	70	5.0 x 90	54	TX25	20	100
FAFS 5 x 100 TX25	**558881**[1]	●	20	80	5.0 x 100	60	TX25	20	100
FAFS 5 x 120 TX25	**558882**[1]	●	20	100	5.0 x 120	70	TX25	20	100

[1] When used in accordance with ETA-19/0175, a minimum timber thickness d_a of 30 mm applies.

Technical data

Accessories Adjustable screw FAFS



FAFS setting tool and bit

Item	Item no.	Drive	Contents	Sales unit [pcs]
FAFS setting tool and bit	**558883**	TX25	1 x Setting tool, 1 x Bit	1

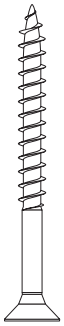


3

Chipboard screws ClassicFast II

Chipboard screw ClassicFast FSP II CTP BC	88	
Chipboard screw ClassicFast FSP II CTF BC	91	
Chipboard screw ClassicFast FSP II CZP BC	94	
Chipboard screw ClassicFast FSP II CZF BC	97	
Chipboard screw ClassicFast FSP II CZP YC	100	
Chipboard screw ClassicFast FSP II CZF YC	104	

The economic solution for numerous applications.



Head shape variants

Flat countersunk head

- For surface-flush screwing
- Can be easily sunk to create a clean surface finish
- Allows for even surfaces

Full thread screws

- Typically used for steel-timber connections
- The chipboard screw with full thread offers a high pull-out resistance thanks to the longer thread

Partial thread screws

- Typically used for timber-timber connections
- The partial thread screws allow for a contraction effect


3

ClassicFast FSP II CTP BC

Chipboard screws FSP II with countersunk head, TX star recess drive, and partial thread





Applications

- General wood joints
- Plankings
- Door and metal fittings
- Skirting
- Finger tightening elements
- Wooden fences
- Typically used for wood-wood connections

Advantages

- The chipboard screws can be used universally in all wooden materials.
- The screws offer lasting safety thanks to their CE conformity.
- The countersunk head ensures an appealing surface appearance.
- The partial thread creates an effect of the pulling together of the wooden parts to be joined.

Certificates

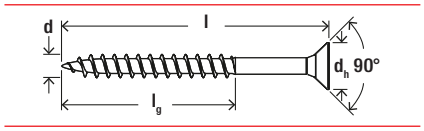
CE 17
EN14592:2008
DoP: 0618-CPF-0004
fischerwerke GmbH & Co. KG
Klaus-Fischer-Straße 1
72178 Waldachtal

Building materials

- Solid wood parts (soft wood)
- Veneer laminated timber
- Similar glued wood components and woodbased panels
- Oriented strand board OSB
- And other wood materials

Functioning

- Screws with countersunk head can be flush mounted with the wood.
- Wooden components can be pulled together with chipboard screws with a partial thread.



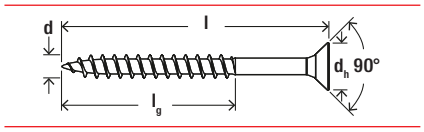
ø 3.5

Chipboard screw ClassicFast II FSP II CTP BC



FSP II CTP BC

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FSPII CTP 3.5 x 40 BC	**551075**	3.5	40	24	7.0	TX10	1000



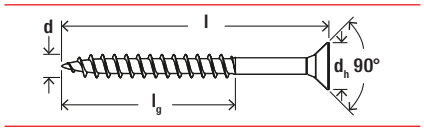
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Chipboard screw ClassicFast II FSP II CTP BC



FSP II CTP BC

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FSPII CTP 4.0 x 30 BC	**551110**	4.0	30	18	8.0	TX20	1000
FSPII CTP 4.0 x 35 BC	**551111**	4.0	35	24	8.0	TX20	1000
FSPII CTP 4.0 x 40 BC	**551112**	4.0	40	24	8.0	TX20	1000
FSPII CTP 4.0 x 45 BC	**551114**	4.0	45	30	8.0	TX20	500
FSPII CTP 4.0 x 50 BC	**551115**	4.0	50	30	8.0	TX20	500
FSPII CTP 4.0 x 60 BC	**551116**	4.0	60	36	8.0	TX20	200
FSPII CTP 4.0 x 70 BC	**551117**	4.0	70	42	8.0	TX20	200



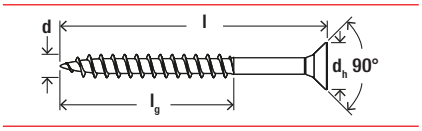
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Chipboard screw ClassicFast II FSP II CTP BC



FSP II CTP BC

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FSPII CTP 4.5 x 40 BC	**551149**	4.5	40	24	9.0	TX20	500
FSPII CTP 4.5 x 45 BC	**551150**	4.5	45	30	9.0	TX20	500
FSPII CTP 4.5 x 50 BC	**551151**	4.5	50	30	9.0	TX20	500
FSPII CTP 4.5 x 60 BC	**551152**	4.5	60	36	9.0	TX20	200
FSPII CTP 4.5 x 70 BC	**551153**	4.5	70	42	9.0	TX20	200
FSPII CTP 4.5 x 80 BC	**551154**	4.5	80	50	9.0	TX20	200



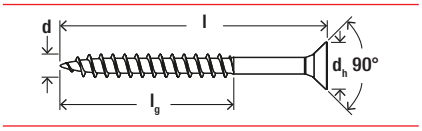
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Chipboard screw ClassicFast II FSP II CTP BC



FSP II CTP BC

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FSPII CTP 5.0 x 40 BC	**551192**	5.0	40	24	10.0	TX25	500
FSPII CTP 5.0 x 45 BC	**551193**	5.0	45	30	10.0	TX25	500
FSPII CTP 5.0 x 50 BC	**551194**	5.0	50	30	10.0	TX25	200
FSPII CTP 5.0 x 60 BC	**551195**	5.0	60	36	10.0	TX25	200
FSPII CTP 5.0 x 70 BC	**551196**	5.0	70	42	10.0	TX25	200
FSPII CTP 5.0 x 80 BC	**551197**	5.0	80	50	10.0	TX25	200
FSPII CTP 5.0 x 90 BC	**551198**	5.0	90	60	10.0	TX25	200
FSPII CTP 5.0 x 100 BC	**551199**	5.0	100	60	10.0	TX25	100
FSPII CTP 5.0 x 120 BC	**551200**	5.0	120	72	10.0	TX25	100



ø 6.0

Chipboard screw ClassicFast II FSP II CTP BC

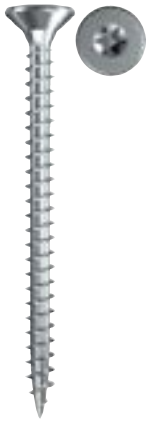


FSP II CTP BC

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FSPII CTP 6.0 x 40 BC	**551247**	6.0	40	24	12.0	TX30	200
FSPII CTP 6.0 x 50 BC	**551248**	6.0	50	30	12.0	TX30	200
FSPII CTP 6.0 x 60 BC	**551249**	6.0	60	36	12.0	TX30	200
FSPII CTP 6.0 x 70 BC	**551250**	6.0	70	42	12.0	TX30	200
FSPII CTP 6.0 x 80 BC	**551251**	6.0	80	50	12.0	TX30	200
FSPII CTP 6.0 x 90 BC	**551252**	6.0	90	60	12.0	TX30	200
FSPII CTP 6.0 x 100 BC	**551253**	6.0	100	60	12.0	TX30	100
FSPII CTP 6.0 x 110 BC	**551254**	6.0	110	66	12.0	TX30	100
FSPII CTP 6.0 x 120 BC	**551255**	6.0	120	72	12.0	TX30	100
FSPII CTP 6.0 x 140 BC	**551257**	6.0	140	72	12.0	TX30	100
FSPII CTP 6.0 x 160 BC	**551262**	6.0	160	72	12.0	TX30	100
FSPII CTP 6.0 x 180 BC	**551263**	6.0	180	72	12.0	TX30	100
FSPII CTP 6.0 x 200 BC	**551264**	6.0	200	72	12.0	TX30	100

ClassicFast FSP II CTF BC

Chipboard screws FSP II with countersunk head, TX star recess drive, and full thread





Applications

- General wood joints
- Plankings
- Door and metal fittings
- Skirting
- Finger tightening elements
- Wooden fences
- Typically used for wood-wood connections

Advantages

- The chipboard screws can be used universally in all wooden materials.
- The screws offer lasting safety thanks to their CE conformity.
- The countersunk head ensures an appealing surface appearance.
- The full thread offers increased extraction resistance thanks to the longer thread.

Certificates

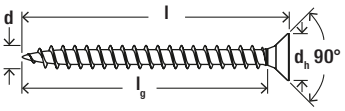
CE 17 EN14592:2008
DoP: 0618-CPF-0004
fischerwerke GmbH & Co. KG
Klaus-Fischer-Straße 1
72178 Waldachtal

Building materials

- Cross-laminated timber
- Glued-laminated timber
- Plywood
- Laminated veneer plywood panels (e.g. Multiplex)
- Soft woods
- Hard woods (pre-drilled)
- Chipboards and oriented strand boards (e.g. OSB panels)
- Solid wood panels
- And many other wood materials

Functioning

- Screws with a countersunk head can be flush mounted with the wood.
- The chipboard screws with full thread offer a higher extraction resistance due to the longer thread.



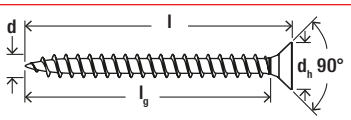
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Chipboard screw ClassicFast II FSP II CTF BC



FSP II CTF BC

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FSPII CTF 3.0 x 16 BC	**551067**	3.0	16	12.1	6.0	TX10	1000
FSPII CTF 3.0 x 20 BC	**551068**	3.0	20	16.1	6.0	TX10	1000
FSPII CTF 3.0 x 25 BC	**551069**	3.0	25	21.1	6.0	TX10	1000
FSPII CTF 3.0 x 30 BC	**551070**	3.0	30	26.1	6.0	TX10	1000



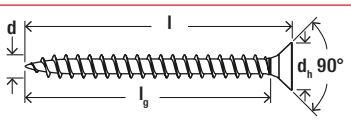
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Chipboard screw ClassicFast II FSP II CTF BC



FSP II CTF BC

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FSPII CTF 3.5 x 16 BC	**551091**	3.5	16	11.7	7.0	TX10	1000
FSPII CTF 3.5 x 20 BC	**551092**	3.5	20	15.7	7.0	TX10	1000
FSPII CTF 3.5 x 25 BC	**551093**	3.5	25	20.7	7.0	TX10	1000
FSPII CTF 3.5 x 30 BC	**551094**	3.5	30	25.7	7.0	TX10	1000
FSPII CTF 3.5 x 35 BC	**551095**	3.5	35	52.8	7.0	TX10	1000



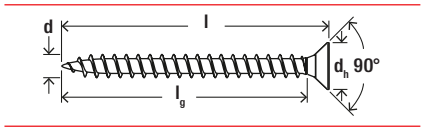
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Chipboard screw ClassicFast II FSP II CTF BC



FSP II CTF BC

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FSPII CTF 4.0 x 16 BC	**551132**	4.0	16	10.5	8.0	TX20	1000
FSPII CTF 4.0 x 20 BC	**551133**	4.0	20	14.5	8.0	TX20	1000
FSPII CTF 4.0 x 25 BC	**551134**	4.0	25	19.5	8.0	TX20	1000
FSPII CTF 4.0 x 30 BC	**551135**	4.0	30	24.5	8.0	TX20	1000
FSPII CTF 4.0 x 35 BC	**551136**	4.0	35	29.5	8.0	TX20	1000
FSPII CTF 4.0 x 40 BC	**551137**	4.0	40	34.5	8.0	TX20	1000



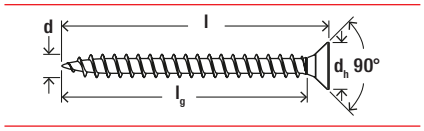
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Chipboard screw ClassicFast II FSP II CTF BC



FSP II CTF BC

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FSPII CTF 4.5 x 20 BC	**551169**	4.5	20	14.7	9.0	TX20	1000
FSPII CTF 4.5 x 25 BC	**551170**	4.5	25	19.7	9.0	TX20	1000
FSPII CTF 4.5 x 30 BC	**551171**	4.5	30	24.7	9.0	TX20	1000
FSPII CTF 4.5 x 35 BC	**551172**	4.5	35	29.7	9.0	TX20	500



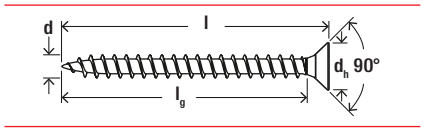
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Chipboard screw ClassicFast II FSP II CTF BC



FSP II CTF BC

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FSPII CTF 5.0 x 20 BC	**551213**	5.0	20	14.1	10.0	TX25	500
FSPII CTF 5.0 x 25 BC	**551214**	5.0	25	19.1	10.0	TX25	500
FSPII CTF 5.0 x 30 BC	**551215**	5.0	30	24.1	10.0	TX25	500
FSPII CTF 5.0 x 35 BC	**551216**	5.0	35	29.1	10.0	TX25	500
FSPII CTF 5.0 x 40 BC	**551217**	5.0	40	34.1	10.0	TX25	500



ø 6.0

Chipboard screw ClassicFast II FSP II CTF BC



FSP II CTF BC

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FSPII CTF 6.0 x 40 BC	**551272**	6.0	40	32.8	12.0	TX30	200
FSPII CTF 6.0 x 50 BC	**551273**	6.0	50	42.8	12.0	TX30	200

ClassicFast FSP II CZP BC

Chipboard screws FSP II with countersunk head, PZ cross drive, and partial thread





Applications

- General wood joints
- Plankings
- Door and metal fittings
- Skirting
- Finger tightening elements
- Wooden fences
- Typically used for wood-wood connections

Advantages

- The chipboard screws can be used universally in all wooden materials.
- The screws offer lasting safety thanks to their CE conformity.
- The countersunk head ensures an appealing surface appearance.
- The partial thread creates an effect of the pulling together of the wooden parts to be joined.

Certificates

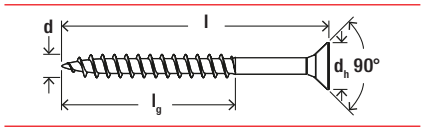
CE 17 EN14592:2008
DoP: 0618-CPF-0004
fischerwerke GmbH & Co. KG
Klaus-Fischer-Straße 1
72178 Waldachtal

Building materials

- Cross-laminated timber
- Glued-laminated timber
- Plywood
- Laminated veneer plywood panels (e.g. Multiplex)
- Soft woods
- Hard woods (pre-drilled)
- Chipboards and oriented strand boards (e.g. OSB panels)
- Solid wood panels
- And many other wood materials

Functioning

- Screws with a countersunk head can be flush mounted with the wood.
- Wooden components can be pulled together with chipboard screws with a partial thread.



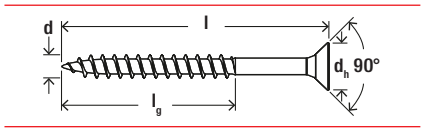
ø 4.0

Chipboard screw ClassicFast II FSP II CZP BC



FSP II CZP BC

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FSPII CZP 4.0 x 40 BC	551098	4.0	40	24	8.0	PZ2	1000
FSPII CZP 4.0 x 45 BC	551099	4.0	45	30	8.0	PZ2	500
FSPII CZP 4.0 x 50 BC	551100	4.0	50	30	8.0	PZ2	500
FSPII CZP 4.0 x 60 BC	551101	4.0	60	36	8.0	PZ2	200
FSPII CZP 4.0 x 70 BC	551102	4.0	70	42	8.0	PZ2	200



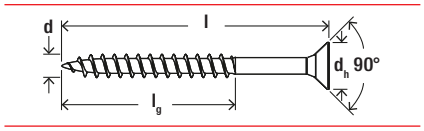
ø 4.5

Chipboard screw ClassicFast II FSP II CZP BC



FSP II CZP BC

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FSPII CZP 4.5 x 40 BC	551138	4.5	40	24	9.0	PZ2	500
FSPII CZP 4.5 x 45 BC	551139	4.5	45	30	9.0	PZ2	500
FSPII CZP 4.5 x 50 BC	551140	4.5	50	30	9.0	PZ2	500
FSPII CZP 4.5 x 60 BC	551141	4.5	60	36	9.0	PZ2	200
FSPII CZP 4.5 x 70 BC	551142	4.5	70	42	9.0	PZ2	200



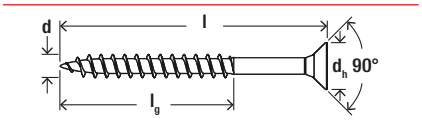
ø 5.0

Chipboard screw ClassicFast II FSP II CZP BC



FSP II CZP BC

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FSPII CZP 5.0 x 40 BC	551173	5.0	40	24	10.0	PZ2	500
FSPII CZP 5.0 x 50 BC	551175	5.0	50	30	10.0	PZ2	200
FSPII CZP 5.0 x 60 BC	551176	5.0	60	36	10.0	PZ2	200
FSPII CZP 5.0 x 70 BC	551177	5.0	70	42	10.0	PZ2	200
FSPII CZP 5.0 x 80 BC	551178	5.0	80	50	10.0	PZ2	200
FSPII CZP 5.0 x 90 BC	551179	5.0	90	60	10.0	PZ2	200
FSPII CZP 5.0 x 100 BC	551180	5.0	100	60	10.0	PZ2	100



ø 6.0

Chipboard screw ClassicFast II FSP II CZP BC



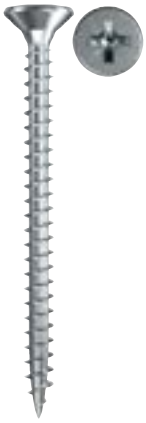
FSP II CZP BC

3

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FSPII CZP 6.0 x 50 BC	**551218**	6.0	50	30	12.0	PZ3	200
FSPII CZP 6.0 x 60 BC	**551219**	6.0	60	36	12.0	PZ3	200
FSPII CZP 6.0 x 70 BC	**551220**	6.0	70	42	12.0	PZ3	200
FSPII CZP 6.0 x 80 BC	**551221**	6.0	80	50	12.0	PZ3	200
FSPII CZP 6.0 x 100 BC	**551223**	6.0	100	60	12.0	PZ3	100
FSPII CZP 6.0 x 120 BC	**551225**	6.0	120	72	12.0	PZ3	100
FSPII CZP 6.0 x 140 BC	**551227**	6.0	140	72	12.0	PZ3	100
FSPII CZP 6.0 x 160 BC	**551229**	6.0	160	72	12.0	PZ3	100

ClassicFast FSP II CZF BC

Chipboard screws FSP II with countersunk head, PZ cross drive, and full thread





Applications

- General wood joints
- Plankings
- Door and metal fittings
- Skirting
- Finger tightening elements
- Wooden fences
- Typically used for wood-wood connections

Advantages

- The chipboard screws can be used universally in all wooden materials.
- The screws offer lasting safety thanks to their CE conformity.
- The countersunk head ensures an appealing surface appearance.
- The full thread offers increased extraction resistance thanks to the longer thread.

Certificates

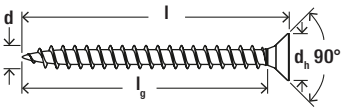
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Building materials

- Cross-laminated timber
- Glued-laminated timber
- Plywood
- Laminated veneer plywood panels (e.g. Multiplex)
- Soft woods
- Hard woods (pre-drilled)
- Chipboards and oriented strand boards (e.g. OSB panels)
- Solid wood panels
- And many other wood materials

Functioning

- Screws with a countersunk head can be flush mounted with the wood.
- The chipboard screws with full thread offer a higher extraction resistance due to the longer thread.



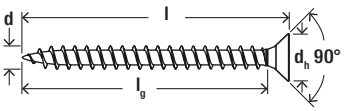
ø 3.0

Chipboard screw ClassicFast II FSP II CZF BC



FSP II CZF BC

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FSPII CZF 3.0 x 12 BC	**551055**	3.0	12	8.1	6.0	PZ1	1000
FSPII CZF 3.0 x 16 BC	**551056**	3.0	16	12.1	6.0	PZ1	1000
FSPII CZF 3.0 x 20 BC	**551057**	3.0	20	16.1	6.0	PZ1	1000
FSPII CZF 3.0 x 25 BC	**551058**	3.0	25	21.1	6.0	PZ1	1000
FSPII CZF 3.0 x 30 BC	**551059**	3.0	30	26.1	6.0	PZ1	1000



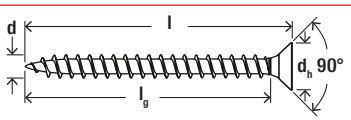
ø 3.5

Chipboard screw ClassicFast II FSP II CZF BC



FSP II CZF BC

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FSPII CZF 3.5 x 16 BC	**551077**	3.5	16	11.7	7.0	PZ2	1000
FSPII CZF 3.5 x 20 BC	**551078**	3.5	20	15.7	7.0	PZ2	1000
FSPII CZF 3.5 x 25 BC	**551079**	3.5	25	20.7	7.0	PZ2	1000
FSPII CZF 3.5 x 30 BC	**551080**	3.5	30	25.7	7.0	PZ2	1000



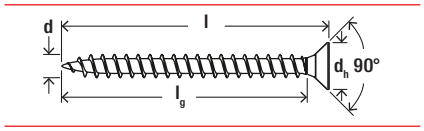
ø 4.0

Chipboard screw ClassicFast II FSP II CZF BC



FSP II CZF BC

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FSPII CZF 4.0 x 16 BC	**551118**	4.0	16	10.5	8.0	PZ2	1000
FSPII CZF 4.0 x 20 BC	**551119**	4.0	20	14.5	8.0	PZ2	1000
FSPII CZF 4.0 x 25 BC	**551120**	4.0	25	19.5	8.0	PZ2	1000
FSPII CZF 4.0 x 30 BC	**551121**	4.0	30	24.5	8.0	PZ2	1000
FSPII CZF 4.0 x 35 BC	**551122**	4.0	35	29.5	8.0	PZ2	1000
FSPII CZF 4.0 x 40 BC	**551123**	4.0	40	34.5	8.0	PZ2	1000



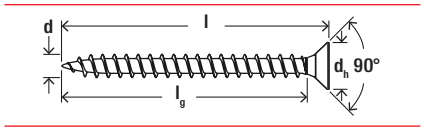
ø 4.5

Chipboard screw ClassicFast II FSP II CZF BC



FSP II CZF BC

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FSPII CZF 4.5 x 25 BC	**551156**	4.5	25	19.7	9.0	PZ2	1000
FSPII CZF 4.5 x 35 BC	**551158**	4.5	35	29.7	9.0	PZ2	500
FSPII CZF 4.5 x 40 BC	**551159**	4.5	40	34.7	9.0	PZ2	500
FSPII CZF 4.5 x 45 BC	**551160**	4.5	45	39.7	9.0	PZ2	500



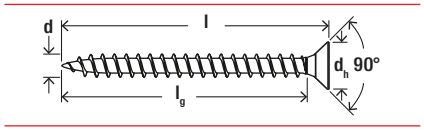
ø 5.0

Chipboard screw ClassicFast II FSP II CZF BC



FSP II CZF BC

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FSPII CZF 5.0 x 30 BC	**551203**	5.0	30	24.1	10.0	PZ2	500
FSPII CZF 5.0 x 40 BC	**551205**	5.0	40	34.1	10.0	PZ2	500



ø 6.0

Chipboard screw ClassicFast II FSP II CZF BC



FSP II CZF BC

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FSPII CZF 6.0 x 40 BC	**551265**	6.0	40	32.8	12.0	PZ3	200
FSPII CZF 6.0 x 50 BC	**551266**	6.0	50	42.8	12.0	PZ3	200
FSPII CZF 6.0 x 60 BC	**551268**	6.0	60	30.7	12.0	PZ3	200

ClassicFast FSP II CZP YC

Chipboard screws FSP II with countersunk head, PZ cross drive, and partial thread





Applications

- General wood joints
- Plankings
- Door and metal fittings
- Skirting
- Finger tightening elements
- Wooden fences
- Typically used for wood-wood connections

Advantages

- The chipboard screws can be used universally in all wooden materials.
- The screws offer lasting safety thanks to their CE conformity.
- The countersunk head ensures an appealing surface appearance.
- The partial thread creates an effect of the pulling together of the wooden parts to be joined.
- The chipbaord screw is yellow zinc plated.

Certificates

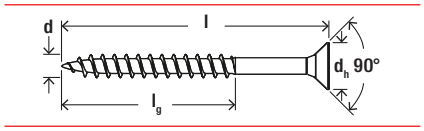
CE 17 EN14592:2008
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fischerwerke GmbH & Co. KG
Klaus-Fischer-Straße 1
72178 Waldachtal

Building materials

- Cross-laminated timber
- Glued-laminated timber
- Plywood
- Laminated veneer plywood panels (e.g. Multiplex)
- Soft woods
- Hard woods (pre-drilled)
- Chipboards and oriented strand boards (e.g. OSB panels)
- Solid wood panels
- And many other wood materials

Functioning

- Screws with a countersunk head can be flush mounted with the wood.
- Wooden components can be pulled together with chipboard screws with a partial thread.



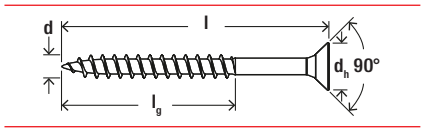
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Chipboard screw ClassicFast II FSP II CZP YC



FSP II CZP YC

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FSPII CZP 3.0 x 40 YC	**551054**	3.0	40	24	6.0	PZ1	1000



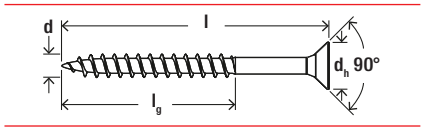
ø 3.5

Chipboard screw ClassicFast II FSP II CZP YC



FSP II CZP YC

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FSPII CZP 3.5 x 35 YC	**551072**	3.5	35	24	7.0	PZ2	1000
FSPII CZP 3.5 x 40 YC	**551073**	3.5	40	24	7.0	PZ2	1000
FSPII CZP 3.5 x 45 YC	**551074**	3.5	45	30	7.0	PZ2	1000



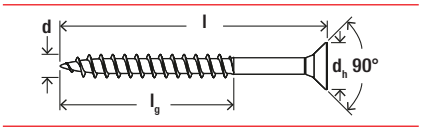
ø 4.0

Chipboard screw ClassicFast II FSP II CZP YC



FSP II CZP YC

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FSPII CZP 4.0 x 35 YC	**551103**	4.0	35	24	8.0	PZ2	1000
FSPII CZP 4.0 x 40 YC	**551104**	4.0	40	24	8.0	PZ2	1000
FSPII CZP 4.0 x 45 YC	**551105**	4.0	45	30	8.0	PZ2	500
FSPII CZP 4.0 x 50 YC	**551106**	4.0	50	30	8.0	PZ2	200
FSPII CZP 4.0 x 55 YC	**551107**	4.0	55	36	8.0	PZ2	200
FSPII CZP 4.0 x 60 YC	**551108**	4.0	60	36	8.0	PZ2	200
FSPII CZP 4.0 x 70 YC	**551109**	4.0	70	42	8.0	PZ2	200



ø 4.5

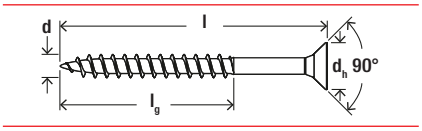
Chipboard screw ClassicFast II FSP II CZP YC



FSP II CZP YC

3

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FSPII CZP 4.5 x 40 YC	551143	4.5	40	24	9.0	PZ2	500
FSPII CZP 4.5 x 45 YC	551144	4.5	45	30	9.0	PZ2	500
FSPII CZP 4.5 x 50 YC	551145	4.5	50	30	9.0	PZ2	500
FSPII CZP 4.5 x 60 YC	551146	4.5	60	36	9.0	PZ2	200
FSPII CZP 4.5 x 70 YC	551147	4.5	70	42	9.0	PZ2	200
FSPII CZP 4.5 x 80 YC	551148	4.5	80	50	9.0	PZ2	200



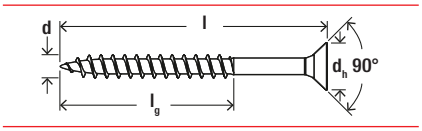
ø 5.0

Chipboard screw ClassicFast II FSP II CZP YC



FSP II CZP YC

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FSPII CZP 5.0 x 35 YC	551182	5.0	35	24	10.0	PZ2	500
FSPII CZP 5.0 x 40 YC	551183	5.0	40	24	10.0	PZ2	500
FSPII CZP 5.0 x 45 YC	551184	5.0	45	30	10.0	PZ2	500
FSPII CZP 5.0 x 50 YC	551185	5.0	50	30	10.0	PZ2	200
FSPII CZP 5.0 x 60 YC	551186	5.0	60	36	10.0	PZ2	200
FSPII CZP 5.0 x 70 YC	551187	5.0	70	42	10.0	PZ2	200
FSPII CZP 5.0 x 80 YC	551188	5.0	80	50	10.0	PZ2	200
FSPII CZP 5.0 x 90 YC	551189	5.0	90	60	10.0	PZ2	200
FSPII CZP 5.0 x 100 YC	551190	5.0	100	60	10.0	PZ2	100
FSPII CZP 5.0 x 120 YC	551191	5.0	120	72	10.0	PZ2	100



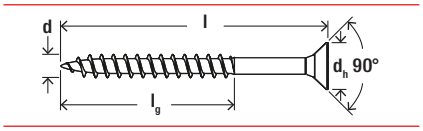
ø 6.0

Chipboard screw ClassicFast II FSP II CZP YC



FSP II CZP YC

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FSPII CZP 6.0 x 40 YC	551232	6.0	40	24	12.0	PZ3	200
FSPII CZP 6.0 x 50 YC	551234	6.0	50	30	12.0	PZ3	200
FSPII CZP 6.0 x 60 YC	551235	6.0	60	36	12.0	PZ3	200



ø 6.0

Chipboard screw ClassicFast II FSP II CZP YC



FSP II CZP YC

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FSPII CZP 6.0 x 70 YC	**551236**	6.0	70	42	12.0	PZ3	200
FSPII CZP 6.0 x 80 YC	**551237**	6.0	80	50	12.0	PZ3	200
FSPII CZP 6.0 x 100 YC	**551238**	6.0	100	60	12.0	PZ3	100
FSPII CZP 6.0 x 110 YC	**551239**	6.0	110	66	12.0	PZ3	100
FSPII CZP 6.0 x 120 YC	**551240**	6.0	120	72	12.0	PZ3	100
FSPII CZP 6.0 x 130 YC	**551241**	6.0	130	72	12.0	PZ3	100
FSPII CZP 6.0 x 140 YC	**551242**	6.0	140	72	12.0	PZ3	100
FSPII CZP 6.0 x 150 YC	**551243**	6.0	150	72	12.0	PZ3	100
FSPII CZP 6.0 x 160 YC	**551244**	6.0	160	72	12.0	PZ3	100
FSPII CZP 6.0 x 180 YC	**551245**	6.0	180	72	12.0	PZ3	100
FSPII CZP 6.0 x 200 YC	**551246**	6.0	200	72	12.0	PZ3	100

ClassicFast FSP II CZF YC

Chipboard screws FSP II with countersunk head, PZ cross drive, and full thread





Applications

- General wood joints
- Plankings
- Door and metal fittings
- Skirting
- Finger tightening elements
- Wooden fences
- Typically used for wood-wood connections

Advantages

- The chipboard screws can be used universally in all wooden materials.
- The screws offer lasting safety thanks to their CE conformity.
- The countersunk head ensures an appealing surface appearance.
- The full thread offers increased extraction resistance thanks to the longer thread.

Certificates

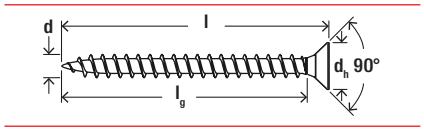
CE 17
EN14592:2008
DoP: 0618-CPF-0004
fischerwerke GmbH & Co. KG
Klaus-Fischer-Straße 1
72178 Waldachtal

Building materials

- Cross-laminated timber
- Glued-laminated timber
- Plywood
- Laminated veneer plywood panels (e.g. Multiplex)
- Soft woods
- Hard woods (pre-drilled)
- Chipboards and oriented strand boards (e.g. OSB panels)
- Solid wood panels
- And many other wood materials

Functioning

- Screws with a countersunk head can be flush mounted with the wood.
- The chipboard screws with full thread offer a higher extraction resistance due to the longer thread.



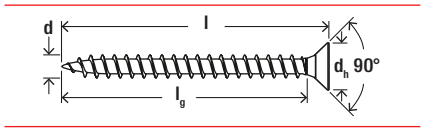
ø 3.0

Chipboard screw ClassicFast II FSP II CZF YC



FSP II CZF YC

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FSPII CZF 3.0 x 16 YC	551062	3.0	16	12.1	6.0	PZ1	1000
FSPII CZF 3.0 x 20 YC	551063	3.0	20	16.1	6.0	PZ1	1000
FSPII CZF 3.0 x 25 YC	551064	3.0	25	21.1	6.0	PZ1	1000
FSPII CZF 3.0 x 30 YC	551065	3.0	30	26.1	6.0	PZ1	1000
FSPII CZF 3.0 x 35 YC	551066	3.0	35	31.1	6.0	PZ1	1000



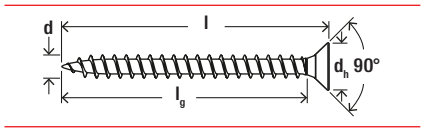
ø 3.5

Chipboard screw ClassicFast II FSP II CZF YC



FSP II CZF YC

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FSPII CZF 3.5 x 12 YC	551083	3.5	12	7.7	7.0	PZ2	1000
FSPII CZF 3.5 x 16 YC	551084	3.5	16	11.7	7.0	PZ2	1000
FSPII CZF 3.5 x 20 YC	551085	3.5	20	15.7	7.0	PZ2	1000
FSPII CZF 3.5 x 25 YC	551086	3.5	25	20.7	7.0	PZ2	1000
FSPII CZF 3.5 x 30 YC	551087	3.5	30	25.7	7.0	PZ2	1000
FSPII CZF 3.5 x 35 YC	551088	3.5	35	52.8	7.0	PZ2	1000
FSPII CZF 3.5 x 40 YC	551089	3.5	40	35.7	7.0	PZ2	1000
FSPII CZF 3.5 x 45 YC	551090	3.5	45	40.7	7.0	PZ2	1000



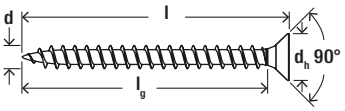
ø 4.0

Chipboard screw ClassicFast II FSP II CZF YC



FSP II CZF YC

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FSPII CZF 4.0 x 16 YC	551124	4.0	16	10.5	8.0	PZ2	1000
FSPII CZF 4.0 x 20 YC	551125	4.0	20	14.5	8.0	PZ2	1000
FSPII CZF 4.0 x 25 YC	551126	4.0	25	19.5	8.0	PZ2	1000
FSPII CZF 4.0 x 30 YC	551127	4.0	30	24.5	8.0	PZ2	1000
FSPII CZF 4.0 x 35 YC	551128	4.0	35	29.5	8.0	PZ2	1000
FSPII CZF 4.0 x 40 YC	551129	4.0	40	34.5	8.0	PZ2	1000



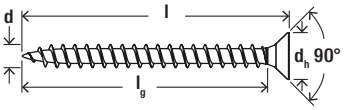
ø 4.0

Chipboard screw ClassicFast II FSP II CZF YC



FSP II CZF YC

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FSPII CZF 4.0 x 45 YC	**551130**	4.0	45	54.1	8.0	PZ2	500
FSPII CZF 4.0 x 50 YC	**551131**	4.0	50	44.5	8.0	PZ2	500



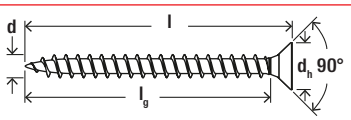
ø 4.5

Chipboard screw ClassicFast II FSP II CZF YC



FSP II CZF YC

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FSPII CZF 4.5 x 16 YC	**551161**	4.5	16	10.7	9.0	PZ2	1000
FSPII CZF 4.5 x 20 YC	**551162**	4.5	20	14.7	9.0	PZ2	1000
FSPII CZF 4.5 x 25 YC	**551163**	4.5	25	19.7	9.0	PZ2	1000
FSPII CZF 4.5 x 30 YC	**551164**	4.5	30	24.7	9.0	PZ2	1000
FSPII CZF 4.5 x 35 YC	**551165**	4.5	35	29.7	9.0	PZ2	500
FSPII CZF 4.5 x 40 YC	**551166**	4.5	40	34.7	9.0	PZ2	500
FSPII CZF 4.5 x 45 YC	**551167**	4.5	45	39.7	9.0	PZ2	500
FSPII CZF 4.5 x 50 YC	**551168**	4.5	50	44.7	9.0	PZ2	500



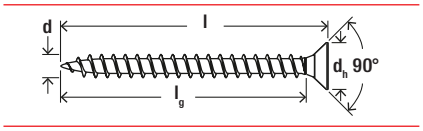
ø 5.0

Chipboard screw ClassicFast II FSP II CZF YC



FSP II CZF YC

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FSPII CZF 5.0 x 20 YC	**551207**	5.0	20	14.1	10.0	PZ2	500
FSPII CZF 5.0 x 25 YC	**551208**	5.0	25	19.1	10.0	PZ2	500
FSPII CZF 5.0 x 30 YC	**551209**	5.0	30	24.1	10.0	PZ2	500
FSPII CZF 5.0 x 35 YC	**551210**	5.0	35	29.1	10.0	PZ2	500
FSPII CZF 5.0 x 40 YC	**551211**	5.0	40	34.1	10.0	PZ2	500
FSPII CZF 5.0 x 60 YC	**551212**	5.0	60	39.5	10.0	PZ2	200



ø 6.0

Chipboard screw ClassicFast II FSP II CZF YC



FSP II CZF YC

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FSPII CZF 6.0 x 40 YC	**551269**	6.0	40	32.8	12.0	PZ3	200
FSPII CZF 6.0 x 50 YC	**551270**	6.0	50	42.8	12.0	PZ3	200
FSPII CZF 6.0 x 60 YC	**551271**	6.0	60	30.7	12.0	PZ3	200



4

Wood construction screws PowerFast II

Wood construction screw PowerFast FPF II CTP	112	
Wood construction screw PowerFast FPF II STP	114	
Wood construction screw PowerFast FPF II WTP	116	
Wood construction screw PowerFast FPF II HWTF	119	
Washer for wood construction screws with countersunk head	121	

Maximum reliability, simple processing.

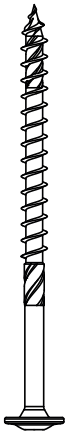


Head shape variants

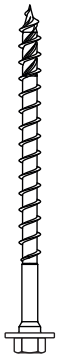
Countersunk head
- With countersunk head for easy sinking
- Thread with a perfect length for the best load transmission



Stepcountersunk head
- In contrast to a normal flange head, the stepped countersunk head can be completely countersunk into the wood and does not protrude. This means that a second component can lie flush or be screwed on



Flange head
- With flange head for a larger contraction effect and a considerably higher head pull-through resistance



Hex head
- Replacement for DIN 571 screws
- No pre-drilling necessary
- Small centre and edge distances
- High pull-out resistance
- TX inner star for use with cordless screwdrivers
- Available in the size variants Ø 8/10/12
- Pressed washer optimised for the use of sockets
- For fastening metal components to wood

The wood construction screws for professionals

- Wood construction screws are used for a force-fit connection between two or more components
- ETA-19/0175 conformity without pre-drilling. This saves an incredible amount of time
- The unique fischer PowerFast thread geometry allows for the shortest screw-in times, the lowest screw-in torque and a rapid bite
- The wood screws are available with countersunk, flange and hex heads
- We recommend the use of a flange head screw for larger head pull-through resistances
- Flange-head and hexagonal screws are recommended for steel sheet-timber connections



PowerFast FPF II CTP

The high-performance wood construction screw with countersunk head, TX star recess drive and partial thread







Applications

- Wood-wood connections
- Steel panel-wood connections
- Rafter-purlin connection
- Substructures
- Fixing of on-rafter insulation

Advantages

- The new, patented core cutter geometry enables precise milling and good extraction of the wood dusst. This allows small edge and center distances and makes various wood constructions possible.
- The screw tip with the three ribs provides fast biting and pre-milling at the same time. Fast setting is ensured, the splitting behavior is noticeably reduced for the user.
- The increased thread pitch significantly reduces the installation time, allowing the user to complete projects more economically.
- The high performance easy-glide coating reduces screw-in torque. For longer battery life and a smooth installation.
- The newly designed shank-miller is optimally matched to the core-miller and reduces the screw-in torque.
- The bottom head geometry with optimized double cone and patented milling pockets ensure fewer ripped surfaces on wood or metal components. As a result, they corrode less. In addition, the milling pockets avoid protrusions on metal components and facilitate the attachment of constructions.

Certificates

ETA-19/0175, for timber constructions

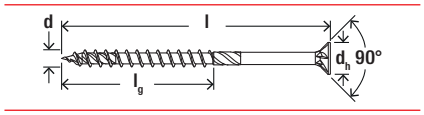
Building materials

Approved for:

- Glued-laminated timber
- Cross-laminated timber
- Laminated veneer plywood panels
- Oriented strand boards (e.g. OSB panels)
- Solid structural timber
- Glued timber boards on solid wood
- Soft wood (e.g. Douglas, spruce, pine, fir, etc.)
- Solid wood made of beech, ash or oak
- Glued laminated timber made of beech, ash or oak
- LVL laminated veneer lumber
- Construction beech
- Laminated duo- and trio-beams

Functioning

- Partially threaded screws can clamp wooden components firmly against each other.
- Screws with countersunk heads can be countersunk flush with the surface of the wood.



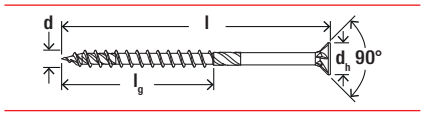
Ø 8.0

Wood construction screw PowerFast FPF II CTP 8.0



FPF II CTP BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CTP 8.0 x 80 BC 50	566309	●	8.0	80	60	14.4	TX40	50
FPF II CTP 8.0 x 100 BC 50	566310	●	8.0	100	60	14.4	TX40	50
FPF II CTP 8.0 x 120 BC 50	566311	●	8.0	120	80	14.4	TX40	50
FPF II CTP 8.0 x 140 BC 50	566312	●	8.0	140	80	14.4	TX40	50
FPF II CTP 8.0 x 160 BC 50	566313	●	8.0	160	80	14.4	TX40	50
FPF II CTP 8.0 x 180 BC 50	566314	●	8.0	180	100	14.4	TX40	50
FPF II CTP 8.0 x 200 BC 50	568155	●	8.0	200	100	14.4	TX40	50
FPF II CTP 8.0 x 220 BC 50	568156	●	8.0	220	100	14.4	TX40	50
FPF II CTP 8.0 x 240 BC 50	568157	●	8.0	240	100	14.4	TX40	50
FPF II CTP 8.0 x 260 BC 50	568158	●	8.0	260	100	14.4	TX40	50
FPF II CTP 8.0 x 280 BC 50	568159	●	8.0	280	100	14.4	TX40	50
FPF II CTP 8.0 x 300 BC 50	568160	●	8.0	300	100	14.4	TX40	50
FPF II CTP 8.0 x 320 BC 50	568161	●	8.0	320	100	14.4	TX40	50
FPF II CTP 8.0 x 340 BC 50	568162	●	8.0	340	100	14.4	TX40	50
FPF II CTP 8.0 x 360 BC 50	568163	●	8.0	360	100	14.4	TX40	50
FPF II CTP 8.0 x 380 BC 50	568164	●	8.0	380	100	14.4	TX40	50
FPF II CTP 8.0 x 400 BC 50	568165	●	8.0	400	100	14.4	TX40	50



Ø 10.0

Wood construction screw PowerFast FPF II CTP 10.0



FPF II CTP BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CTP 10.0 x 80 BC 50	566315	●	10.0	80	60	18.4	TX40	50
FPF II CTP 10.0 x 100 BC 50	566316	●	10.0	100	60	18.4	TX40	50
FPF II CTP 10.0 x 120 BC 50	566317	●	10.0	120	80	18.4	TX40	50
FPF II CTP 10.0 x 140 BC 50	566318	●	10.0	140	80	18.4	TX40	50
FPF II CTP 10.0 x 160 BC 50	566319	●	10.0	160	80	18.4	TX40	50
FPF II CTP 10.0 x 180 BC 50	566320	●	10.0	180	100	18.4	TX40	50
FPF II CTP 10.0 x 200 BC 50	566321	●	10.0	200	100	18.4	TX40	50
FPF II CTP 10.0 x 220 BC 50	566322	●	10.0	220	100	18.4	TX40	50
FPF II CTP 10.0 x 240 BC 50	566323	●	10.0	240	100	18.4	TX40	50
FPF II CTP 10.0 x 260 BC 50	566324	●	10.0	260	100	18.4	TX40	50
FPF II CTP 10.0 x 280 BC 50	566325	●	10.0	280	115	18.4	TX40	50
FPF II CTP 10.0 x 300 BC 50	566326	●	10.0	300	115	18.4	TX40	50
FPF II CTP 10.0 x 320 BC 50	566327	●	10.0	320	115	18.4	TX40	50
FPF II CTP 10.0 x 340 BC 50	566328	●	10.0	340	115	18.4	TX40	50
FPF II CTP 10.0 x 360 BC 50	566329	●	10.0	360	115	18.4	TX40	50
FPF II CTP 10.0 x 380 BC 50	566330	●	10.0	380	115	18.4	TX40	50
FPF II CTP 10.0 x 400 BC 50	566331	●	10.0	400	115	18.4	TX40	50

PowerFast FPF II STP

The high-performance wood construction screw with a step countersunk head, TX star recess drive and partial thread





Applications

- Wood-wood connections
- Steel panel-wood connections
- Rafter-purlin connection
- Substructures
- Fixing of on-rafter insulation

Advantages

- The new, patented core cutter geometry enables precise milling and good extraction of the wood dusst. This allows small edge and center distances and makes various wood constructions possible.
- The screw tip with the three ribs provides fast biting and pre-milling at the same time. Fast setting is ensured, the splitting behavior is noticeably reduced for the user.
- The increased thread pitch significantly reduces the installation time, allowing the user to complete projects more economically.
- The high performance easy-glide coating reduces screw-in torque. For longer battery life and a smooth installation.
- The newly designed shank-miller is optimally matched to the core-miller and reduces the screw-in torque.
- In contrast to a standard flange head, the step countersunk head can be completely countersunk in the wood and does not protrude. This allows a second component to lie flush or to be screwed on.

Certificates

ETA-19/0175, for timber constructions

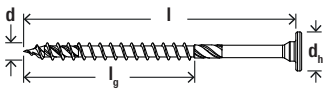
Building materials

Approved for:

- Glued-laminated timber
- Cross-laminated timber
- Laminated veneer plywood panels
- Oriented strand boards (e.g. OSB panels)
- Solid structural timber
- Glued timber boards on solid wood
- Soft wood (e.g. Douglas, spruce, pine, fir, etc.)
- Solid wood made of beech, ash or oak
- Glued laminated timber made of beech, ash or oak
- LVL laminated veneer lumber
- Construction beech
- Laminated duo- and trio-beams

Functioning

- Partially threaded screws can clamp wooden components firmly against each other.
- In contrast to the flange head screw, the step countersunk head may be screwed flush with the surface. This means that the screw head does not protrude.



Ø 8.0

Wood construction screw PowerFast II FTF STP 8.0



FPF II STP BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II STP 8.0 x 80 BC 50	**566355**	●	8.0	80	60	21.0	TX40	50
FPF II STP 8.0 x 100 BC 50	**566356**	●	8.0	100	60	21.0	TX40	50
FPF II STP 8.0 x 120 BC 50	**566357**	●	8.0	120	80	21.0	TX40	50
FPF II STP 8.0 x 140 BC 50	**566358**	●	8.0	140	80	21.0	TX40	50
FPF II STP 8.0 x 160 BC 50	**566359**	●	8.0	160	80	21.0	TX40	50
FPF II STP 8.0 x 180 BC 50	**566360**	●	8.0	180	100	21.0	TX40	50
FPF II STP 8.0 x 200 BC 50	**566361**	●	8.0	200	100	21.0	TX40	50
FPF II STP 8.0 x 220 BC 50	**566362**	●	8.0	220	100	21.0	TX40	50
FPF II STP 8.0 x 240 BC 50	**566363**	●	8.0	240	100	21.0	TX40	50
FPF II STP 8.0 x 260 BC 50	**566364**	●	8.0	260	100	21.0	TX40	50
FPF II STP 8.0 x 280 BC 50	**566365**	●	8.0	280	100	21.0	TX40	50
FPF II STP 8.0 x 300 BC 50	**566366**	●	8.0	300	100	21.0	TX40	50
FPF II STP 8.0 x 320 BC 50	**566367**	●	8.0	320	100	21.0	TX40	50
FPF II STP 8.0 x 340 BC 50	**566368**	●	8.0	340	100	21.0	TX40	50
FPF II STP 8.0 x 360 BC 50	**566369**	●	8.0	360	100	21.0	TX40	50
FPF II STP 8.0 x 380 BC 50	**566370**	●	8.0	380	100	21.0	TX40	50
FPF II STP 8.0 x 400 BC 50	**566371**	●	8.0	400	100	21.0	TX40	50

PowerFast FPF II WTP

The high-performance wood construction screw with a flange head, TX star recess drive and partial thread







Applications

- Wood-wood connections
- Steel panel-wood connections
- Rafter-purlin connection
- Substructures
- Fixing of on-rafter insulation

Advantages

- The new, patented core cutter geometry enables precise milling and good extraction of the wood dust. This allows small edge and center distances and makes various wood constructions possible.
- The screw tip with the three ribs provides fast biting and pre-milling at the same time. Fast setting is ensured, the splitting behavior is noticeably reduced for the user.
- The increased thread pitch significantly reduces the installation time, allowing the user to complete projects more economically.
- The high performance easy-glide coating reduces screw-in torque. For longer battery life and a smooth installation.
- The newly designed shank-miller is optimally matched to the core-miller and reduces the screw-in torque.
- Compared to countersunk head screws, higher pull-out resistances can be realized due to the larger head diameter. This also has a significant positive effect when pulling together components.

Certificates

ETA-19/0175, for timber constructions

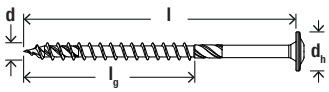
Building materials

Approved for:

- Glued-laminated timber
- Cross-laminated timber
- Laminated veneer plywood panels
- Oriented strand boards (e.g. OSB panels)
- Solid structural timber
- Glued timber boards on solid wood
- Soft wood (e.g. Douglas, spruce, pine, fir, etc.)
- Solid wood made of beech, ash or oak
- Glued laminated timber made of beech, ash or oak
- LVL laminated veneer lumber
- Construction beech
- Laminated duo- and trio-beams

Functioning

- Partially threaded screws can clamp wooden components firmly against each other.
- The flange head screws are particularly powerful due to their high head pull-through values.



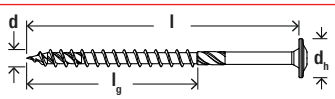
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Wood construction screw PowerFast FPF II WTP 8.0



FPF II WTP BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II WTP 8.0 x 80 BC 50	566332	●	8.0	80	60	21.0	TX40	50
FPF II WTP 8.0 x 100 BC 50	566333	●	8.0	100	60	21.0	TX40	50
FPF II WTP 8.0 x 120 BC 50	566334	●	8.0	120	80	21.0	TX40	50
FPF II WTP 8.0 x 140 BC 50	566335	●	8.0	140	80	21.0	TX40	50
FPF II WTP 8.0 x 160 BC 50	566336	●	8.0	160	80	21.0	TX40	50
FPF II WTP 8.0 x 180 BC 50	566337	●	8.0	180	100	21.0	TX40	50
FPF II WTP 8.0 x 200 BC 50	568166	●	8.0	200	100	21.0	TX40	50
FPF II WTP 8.0 x 220 BC 50	568167	●	8.0	220	100	21.0	TX40	50
FPF II WTP 8.0 x 240 BC 50	568168	●	8.0	240	100	21.0	TX40	50
FPF II WTP 8.0 x 260 BC 50	568169	●	8.0	260	100	21.0	TX40	50
FPF II WTP 8.0 x 280 BC 50	568170	●	8.0	280	100	21.0	TX40	50
FPF II WTP 8.0 x 300 BC 50	568171	●	8.0	300	100	21.0	TX40	50
FPF II WTP 8.0 x 320 BC 50	568172	●	8.0	320	100	21.0	TX40	50
FPF II WTP 8.0 x 340 BC 50	568173	●	8.0	340	100	21.0	TX40	50
FPF II WTP 8.0 x 360 BC 50	568174	●	8.0	360	100	21.0	TX40	50
FPF II WTP 8.0 x 380 BC 50	568175	●	8.0	380	100	21.0	TX40	50
FPF II WTP 8.0 x 400 BC 50	568176	●	8.0	400	100	21.0	TX40	50



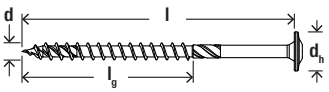
Ø 10.0

Wood construction screw PowerFast FPF II WTP 10.0



FPF II WTP BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II WTP 10.0 x 80 BC 50	566338	●	10.0	80	60	25.5	TX40	50
FPF II WTP 10.0 x 100 BC 50	566339	●	10.0	100	60	25.5	TX40	50
FPF II WTP 10.0 x 120 BC 50	566340	●	10.0	120	80	25.5	TX40	50
FPF II WTP 10.0 x 140 BC 50	566341	●	10.0	140	80	25.5	TX40	50
FPF II WTP 10.0 x 160 BC 50	566342	●	10.0	160	80	25.5	TX40	50
FPF II WTP 10.0 x 180 BC 50	566343	●	10.0	180	100	25.5	TX40	50
FPF II WTP 10.0 x 200 BC 50	566344	●	10.0	200	100	25.5	TX40	50
FPF II WTP 10.0 x 220 BC 50	566345	●	10.0	220	100	25.5	TX40	50
FPF II WTP 10.0 x 240 BC 50	566346	●	10.0	240	100	25.5	TX40	50
FPF II WTP 10.0 x 260 BC 50	566347	●	10.0	260	100	25.5	TX40	50
FPF II WTP 10.0 x 280 BC 50	566348	●	10.0	280	115	25.5	TX40	50
FPF II WTP 10.0 x 300 BC 50	566349	●	10.0	300	115	25.5	TX40	50
FPF II WTP 10.0 x 320 BC 50	566350	●	10.0	320	115	25.5	TX40	50
FPF II WTP 10.0 x 340 BC 50	566351	●	10.0	340	115	25.5	TX40	50
FPF II WTP 10.0 x 360 BC 50	566352	●	10.0	360	115	25.5	TX40	50
FPF II WTP 10.0 x 380 BC 50	566353	●	10.0	380	115	25.5	TX40	50



Ø 10.0

Wood construction screw PowerFast FPF II WTP 10.0

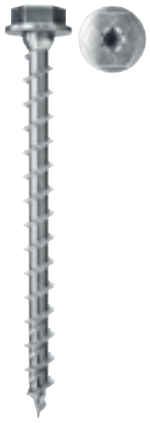


FPF II WTP BC

	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
Item								
FPF II WTP 10.0 x 400 BC 50	**566354**	●	10.0	400	115	25.5	TX40	50

PowerFast FPF II HWTF

The high-performance wood construction screw with a hexagonal head and TX star recess drive





Applications

- Wood-wood connections
- Steel panel-wood connections
- Substructures
- Fixing metal railings to wooden substructures

Advantages

- The new, patented core cutter geometry enables precise milling and good extraction of the wood dusst. This allows small edge and center distances and makes various wood constructions possible.
- The screw tip with the three ribs provides fast biting and pre-milling at the same time. Fast setting is ensured, the splitting behavior is noticeably reduced for the user.
- The increased thread pitch significantly reduces the installation time, allowing the user to complete projects more economically.
- The high performance easy-glide coating reduces screw-in torque. For longer battery life and a smooth installation.
- The hexagonal head enables a very high load transmission and is therefore suitable, for example, for screwing in hardwood.

Certificates

ETA-19/0175, for timber constructions

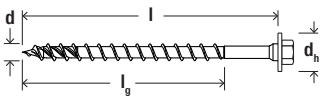
Building materials

Approved for:

- Glued-laminated timber
- Cross-laminated timber
- Laminated veneer plywood panels
- Oriented strand boards (e.g. OSB panels)
- Solid structural timber
- Glued timber boards on solid wood
- Soft wood (e.g. Douglas, spruce, pine, fir, etc.)
- Solid wood made of beech, ash or oak
- Glued laminated timber made of beech, ash or oak
- LVL laminated veneer lumber
- Construction beech
- Laminated duo- and trio-beams

Functioning

- The hexagon head screws with pressed washer are exceptionally powerful due to their high head pull-through values.



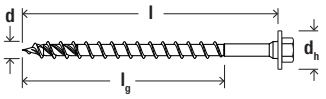
Ø 8.0

Wood construction screw PowerFast FPF II HWTF 8.0



FPF II HWTF BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II HWTF 8.0 x 80 BC 50	566372	●	8.0	80	75	18.0	TX40 / SW 13	50
FPF II HWTF 8.0 x 100 BC 50	566373	●	8.0	100	75	18.0	TX40 / SW 13	50
FPF II HWTF 8.0 x 120 BC 50	566374	●	8.0	120	100	18.0	TX40 / SW 13	50
FPF II HWTF 8.0 x 140 BC 50	566375	●	8.0	140	100	18.0	TX40 / SW 13	50



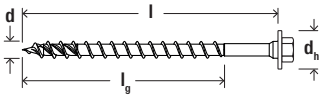
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Wood construction screw PowerFast FPF II HWTF 10.0



FPF II HWTF BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II HWTF 10.0 x 80 BC 50	566376	●	10.0	80	75	21.3	TX40 / SW 15	50
FPF II HWTF 10.0 x 100 BC 50	566377	●	10.0	100	75	21.3	TX40 / SW 15	50
FPF II HWTF 10.0 x 120 BC 50	566378	●	10.0	120	115	21.3	TX40 / SW 15	50
FPF II HWTF 10.0 x 140 BC 50	566379	●	10.0	140	115	21.3	TX40 / SW 15	50



Ø 12.0

Wood construction screw PowerFast FPF II HWTF 12.0

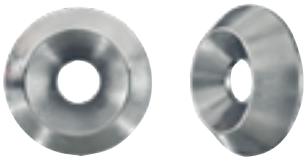


FPF II HWTF BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II HWTF 12.0 x 100 BC 25	566380	●	12.0	100	80	23.4	TX50 / SW 17	25
FPF II HWTF 12.0 x 120 BC 25	566381	●	12.0	120	100	23.4	TX50 / SW 17	25
FPF II HWTF 12.0 x 140 BC 25	566382	●	12.0	140	120	23.4	TX50 / SW 17	25

Washer for construction screws

Washers - the ideal complement for wood construction screws with countersunk head





Applications

- Safety-relevant applications
- Metal fittings, wood connectors
- Wood frame construction
- Post construction
- Timber houses
- Car ports
- Conservatories
- Playground equipment

Advantages

- The wide contact surface ensures high force transmission and pull-through resistance.

Certificates

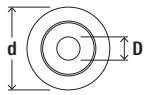
ETA-19/0175, for timber constructions
ETA-11/0027, for timber constructions

Building materials

- Glued-laminated timber
- Cross-laminated timber
- Laminated veneer plywood panels
- Oriented strand boards (e.g. OSB panels)
- Solid structural timber
- Glued timber boards on solid wood
- Soft wood (e.g. Douglas, spruce, pine, fir, etc.)
- And other wood materials

Functioning

- The use of washers in conjunction with the PowerFast wood construction screws with countersunk head enables a significant increase in the pull-through resistance.



Technical data

Disc for Wood construction screw FWC-CS ZP



FWC-CS ZP

	Item no.	Approval ETA	Internal diameter D [mm]	External-ø d [mm]	Thickness S [mm]	Sales unit [pcs]
Item						
FWC-CS 8.0 x 30 ZP 50	**548919**	●	8.7	30	5.0	50
FWC-CS 10.0 x 35 ZP 50	**548920**	●	11.2	35	5.0	50


5

5
Full thread screws PowerFull II

Full thread screw PowerFull II CTF BC	128	
Full thread screw PowerFull II CHTF BC	130	
Full thread screw PowerFull FIF-ZT ZPF	133	

Highly resilient, time and effort saving.

5



Head shape variants

Countersunk head
- With countersunk head for steel sheet-timber connections or for surface-flush sinking
- With drill bit tip for screwing close to the edge and without splintering, and without pre-drilling



Cylinder head
- With cylinder head for easy sinking in the wood
- With drill bit tip for screwing close to the edge and without gaps,and without pre-drilling



Iso with cylinder head
- With cylinder head for easy sinking in the wood
- With a double thread for the fixing of non-pressure-resistant insulation materials in rooftop insulation

The wood construction screws for professionals

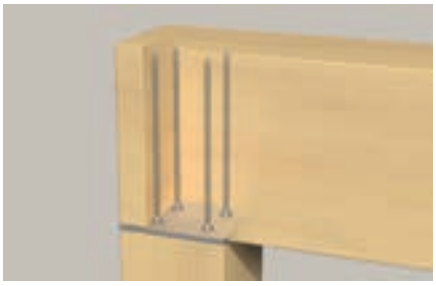
- Full thread screws are also used to reinforce load-bearing timber constructions
- They increase the load-bearing capacity of the wood, without having to increase the beam cross-sections
- This can considerably reduce the cost of the materials
- It also allows for clean wooden surfaces without metal connections that ruin the look



PowerFull II CTF BC

For economical connections of load-bearing wood constructions





Applications

- Connection main beam / substructure
- Chevron-purlin connection
- Reinforcement of notches
- Openings
- Beam false edges
- Beam reinforcements
- Strengthening perpendicular to the grain
- Coupling purlins
- Support reinforcement / transverse pressure reinforcement
- Footing beams
- Element connections in wood frame construction
- Pressed steel-wood connections

Advantages

- 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 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.
- The new screw geometry significantly improves the pull-out load capacity and optimises the screw-in torque.

Certificates

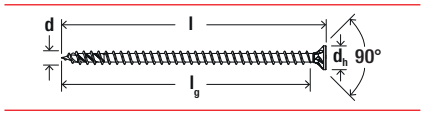
ETA-21/0751, for use in timber donstruction

Building materials

- Solid hardwood of material strength classes C14 - C40 in accordance with EN 338 / EN 14081-1
- New: Solid beech, ash or oak in accordance with EN 338 / EN 14081-1, with pre-drilling
- Glued-laminated timber of at least material strength class GL24c in accordance with EN 1194 / EN 14080
- New: Glued-laminated timber made of beech, ash or oak according to European Technical Approval or the national regulations applicable at the installation site, with pre-drilling
- Laminated veneer lumber LVL in accordance with EN 14374
- Glued-solid timber Duo and Trio beams in accordance with EN 14080 or the national regulations applicable at the installation site

Functioning

- Screws with a countersunk head can be flush-mounted.

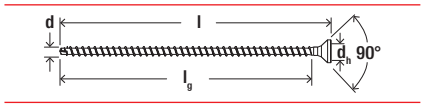


ø 8,0

Full thread screw PowerFull FPF II CTF 8 BC

FPF II CTF 8 BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CTF 8.0 x 100 BC 50	562930	●	8.0	100	81	14.4	TX40	50
FPF II CTF 8.0 x 120 BC 50	562931	●	8.0	120	101	14.4	TX40	50
FPF II CTF 8.0 x 140 BC 50	562932	●	8.0	140	121	14.4	TX40	50
FPF II CTF 8.0 x 160 BC 50	562933	●	8.0	160	141	14.4	TX40	50
FPF II CTF 8.0 x 180 BC 50	562934	●	8.0	180	161	14.4	TX40	50
FPF II CTF 8.0 x 200 BC 50	562935	●	8.0	200	181	14.4	TX40	50
FPF II CTF 8.0 x 220 BC 50	562936	●	8.0	220	201	14.4	TX40	50
FPF II CTF 8.0 x 240 BC 50	562937	●	8.0	240	221	14.4	TX40	50
FPF II CTF 8.0 x 260 BC 50	562938	●	8.0	260	241	14.4	TX40	50
FPF II CTF 8.0 x 280 BC 50	562939	●	8.0	280	261	14.4	TX40	50
FPF II CTF 8.0 x 300 BC 50	562940	●	8.0	300	281	14.4	TX40	50
FPF II CTF 8.0 x 350 BC 50	562941	●	8.0	350	331	14.4	TX40	50
FPF II CTF 8.0 x 400 BC 50	562942	●	8.0	400	381	14.4	TX40	50



ø 10,0

Full thread screw PowerFull FPF II CTF 10 BC



FPF II CTF 10 BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CTF 10.0 x 100 BC 50	562943	●	10.0	100	80	18.0	TX50	50
FPF II CTF 10.0 x 120 BC 50	562944	●	10.0	120	100	18.0	TX50	50
FPF II CTF 10.0 x 140 BC 50	562945	●	10.0	140	120	18.0	TX50	50
FPF II CTF 10.0 x 160 BC 50	562946	●	10.0	160	140	18.0	TX50	50
FPF II CTF 10.0 x 180 BC 50	562947	●	10.0	180	160	18.0	TX50	50
FPF II CTF 10.0 x 200 BC 50	562948	●	10.0	200	180	18.0	TX50	50
FPF II CTF 10.0 x 220 BC 50	562949	●	10.0	220	200	18.0	TX50	50
FPF II CTF 10.0 x 240 BC 50	562950	●	10.0	240	220	18.0	TX50	50
FPF II CTF 10.0 x 260 BC 50	562951	●	10.0	260	240	18.0	TX50	50
FPF II CTF 10.0 x 280 BC 50	562952	●	10.0	280	260	18.0	TX50	50
FPF II CTF 10.0 x 300 BC 50	562953	●	10.0	300	280	18.0	TX50	50

PowerFull II CHTF BC

For economical connections of load-bearing wood constructions







Applications

- Connection main beam / substructure
- Chevron-purlin connection
- Reinforcement of notches
- Openings
- Beam false edges
- Beam reinforcements
- Strengthening perpendicular to the grain
- Coupling purlins
- Shear wood fixing (for roof insulation)
- Refurbishment of old beams
- Footing beams
- Element connections in wood frame construction
- Pressed steel-wood connections

Advantages

- 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 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 new screw geometry significantly improves the pull-out load capacity and optimises the screw-in torque.

Certificates

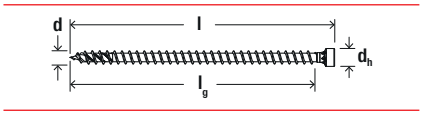
ETA-21/0751, for use in timber donstruction

Building materials

- Solid hardwood of material strength classes C14 - C40 in accordance with EN 338 / EN 14081-1
- New: Solid beech, ash or oak in accordance with EN 338 / EN 14081-1, with pre-drilling
- Glued-laminated timber of at least material strength class GL24c in accordance with EN 1194 / EN 14080
- New: Glued-laminated timber made of beech, ash or oak according to European Technical Approval or the national regulations applicable at the installation site, with pre-drilling
- Laminated veneer lumber LVL in accordance with EN 14374
- Glued-solid timber Duo and Trio beams in accordance with EN 14080 or the national regulations applicable at the installation site

Functioning

- Screws with a cylinder head can be flush-mounted or sunk into the wood.

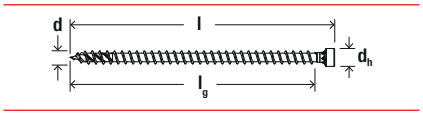


ø 6,0

Full thread screw PowerFull FPF II CHTF 6 BC

FPF II CHTF BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CHTF 6.0 x 100 BC 100	**562954**	●	6.0	100	88	8.6	TX30	100
FPF II CHTF 6.0 x 120 BC 100	**562955**	●	6.0	120	108	8.6	TX30	100
FPF II CHTF 6.0 x 140 BC 100	**562956**	●	6.0	140	128	8.6	TX30	100
FPF II CHTF 6.0 x 160 BC 100	**562957**	●	6.0	160	148	8.6	TX30	100
FPF II CHTF 6.0 x 180 BC 100	**562958**	●	6.0	180	168	8.6	TX30	100
FPF II CHTF 6.0 x 200 BC 100	**562959**	●	6.0	200	188	8.6	TX30	100

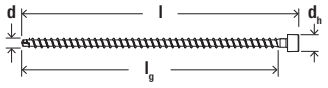


ø 8,0

Full thread screw PowerFull FPF II CHTF 8 BC

FPF II CHTF BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CHTF 8.0 x 160 BC 50	**562960**	●	8.0	160	141	10.7	TX40	50
FPF II CHTF 8.0 x 180 BC 50	**562961**	●	8.0	180	161	10.7	TX40	50
FPF II CHTF 8.0 x 200 BC 50	**562962**	●	8.0	200	181	10.7	TX40	50
FPF II CHTF 8.0 x 220 BC 50	**562963**	●	8.0	220	201	10.7	TX40	50
FPF II CHTF 8.0 x 240 BC 50	**562964**	●	8.0	240	221	10.7	TX40	50
FPF II CHTF 8.0 x 260 BC 50	**562965**	●	8.0	260	241	10.7	TX40	50
FPF II CHTF 8.0 x 280 BC 50	**562966**	●	8.0	280	261	10.7	TX40	50
FPF II CHTF 8.0 x 300 BC 50	**562967**	●	8.0	300	281	10.7	TX40	50
FPF II CHTF 8.0 x 350 BC 50	**562968**	●	8.0	350	331	10.7	TX40	50
FPF II CHTF 8.0 x 400 BC 50	**562969**	●	8.0	400	381	10.7	TX40	50



ø 10,0

Full thread screw PowerFull FPF II CHTF 10 BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF II CHTF 10.0 x 300 BC 25	562970	●	10.0	300	280	12.5	TX50	25
FPF II CHTF 10.0 x 320 BC 25	562971	●	10.0	320	300	12.5	TX50	25
FPF II CHTF 10.0 x 340 BC 25	562972	●	10.0	340	320	12.5	TX50	25
FPF II CHTF 10.0 x 360 BC 25	562973	●	10.0	360	340	12.5	TX50	25
FPF II CHTF 10.0 x 380 BC 25	562974	●	10.0	380	360	12.5	TX50	25
FPF II CHTF 10.0 x 400 BC 25	562975	●	10.0	400	380	12.5	TX50	25
FPF II CHTF 10.0 x 450 BC 25	562976	●	10.0	450	430	12.5	TX50	25
FPF II CHTF 10.0 x 500 BC 25	562977	●	10.0	500	480	12.5	TX50	25
FPF II CHTF 10.0 x 550 BC 25	562978	●	10.0	550	530	12.5	TX50	25
FPF II CHTF 10.0 x 600 BC 25	562979	●	10.0	600	580	12.5	TX50	25

PowerFull FIF-ZT ZPF

The double-threaded screw for the fixing of roof insulation with cylinder head and TX star recess







Applications

- Safety-relevant applications
- Wood frame construction
- Post construction
- Timber houses
- Rooftop insulation systems
- Car ports
- Conservatories

Advantages

- The unique PowerFull thread ensures maximum force transmission.
- With double thread for the fixing of non-pressure-resistant insulation materials in rooftop insulation
- The geometry of the screw tip enables screwing without pre-drilling.
- In addition, the risk of splitting is decreased and the screwing resistance is significantly reduced.
- All in all, this saves on time and materials.
- The ETA approval guarantees the high safety standard and the premium quality of the fischer PowerFull screws.

Certificates

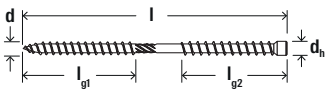
ETA-12/0073, for timber constructions

Building materials

- Glued-laminated timber
- Cross-laminated timber
- Laminated veneer plywood panels
- Solid structural timber
- Glued timber boards on solid wood
- Soft wood (e.g. Douglas, spruce, pine, fir, etc.)
- And other wood materials

Functioning

- Specially for the installation of roof insulation with pressure-resistant and non-pressure-resistant insulation materials.



ø 8.0

Full thread screw Power-Full FIF-ZT ZPF

FIF-ZT ZPF

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Full thread length l_{g2} / l_{g1} [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FIF-ZT 8.0 x 225 ZPF 50	**659397**	●	8.0	225	60 / 100	10.0	TX40	50
FIF-ZT 8.0 x 235 ZPF 50	**659398**	●	8.0	235	60 / 100	10.0	TX40	50
FIF-ZT 8.0 x 255 ZPF 50	**659399**	●	8.0	255	60 / 100	10.0	TX40	50
FIF-ZT 8.0 x 275 ZPF 50	**659400**	●	8.0	275	60 / 100	10.0	TX40	50
FIF-ZT 8.0 x 302 ZPF 50	**659401**	●	8.0	302	60 / 100	10.0	TX40	50
FIF-ZT 8.0 x 335 ZPF 50	**659402**	●	8.0	335	60 / 100	10.0	TX40	50
FIF-ZT 8.0 x 365 ZPF 50	**659403**	●	8.0	365	60 / 100	10.0	TX40	50
FIF-ZT 8.0 x 397 ZPF 50	**659404**	●	8.0	397	60 / 100	10.0	TX40	50
FIF-ZT 8.0 x 435 ZPF 50	**659405**	●	8.0	435	60 / 100	10.0	TX40	50



6

Chipboard screws stainless steel

Chipboard screw PowerFast FPF-SZ A2P	140	
Chipboard screw PowerFast FPF-SZ A2F	143	
Chipboard screw PowerFast FPF-ST A2P	146	
Wood construction screw PowerFast FPF-WT A2P	149	
Chipboard screw PowerFast FPF-ST A2F	151	
Chipboard screw PowerFast FPF-ST A2P	154	
Chipboard screw PowerFast FPF-ST A2F	157	
Chipboard screw PowerFast FPF-PT A2F	159	
Chipboard screw PowerFast FPF-LZ A2F	162	

Stainless steel for safe connections in the outdoor area.



Head shape variants

Countersunk head
- For surface-flush screwing
- Easy to sink thanks to the underhead milling ribs. This results in a clean finish



Pan head
- For steel sheet-timber connections
- Full-surface layer for maximum clamping force



Raised countersunk head
- Countersunk head with concavity
- For applications where the screws are visible
- Easy to sink and clean surface finish



Flange head
- The extra large flange head enables a significantly higher loead transfer

Chipboard screw stainless steel A2

- Ideally suited for use outdoors
- Can be used with wood with low levels of tannic acid
- Pre-drilling recommended

Chipboard screw stainless steel A4

- Especially for use with wood with high levels of tannic acid
- Well-suited to highly corrosive environments, e.g. close to the sea, for façade sub-structures or in the chemical and food industries
- Pre-drilling recommended



PowerFast FPF-SZ A2P

Chipboard screws with countersunk head, PZ cross drive, and partial thread





Applications

- General wood joints
- Safety-relevant applications
- Plankings
- Door and metal fittings

Advantages

- The unique PowerFast thread reaches into the screw tip and ensures a fast bite. This makes your work noticeably easier with all wood materials.
- The shank ribs (for screws with partial thread from 50 mm in length and up) substantially reduce drive-in resistance and thus enable greater power and battery conservation in your work.
- The optimised head geometry enables an exact and splinter-free surface finish without the screw twisting off, even with connections close to the edge.
- The underhead milled ribbing ensures an attractive surface finish.
- The high-performance easy-glide coating reduces friction and accelerates the screwing process.
- The ETA assessment guarantees the high safety and premium quality of fischer PowerFast screws in soft and hard woods.

Certificates

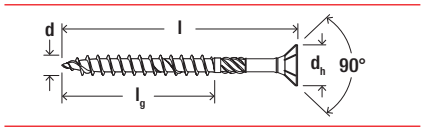
ETA-11/0027, for timber constructions

Building materials

- Glued-laminated timber
- Cross-laminated timber
- Laminated veneer plywood panels (e.g. Multiplex)
- Hard woods (pre-drilled)
- Chipboards and oriented strand boards (e.g. OSB panels)
- Plywood
- Solid wood panels
- Soft woods
- And many other wood materials

Functioning

- Screws with partial threads can lock wood parts into place by tightening them against each other.
- Screws with countersunk head can be flush mounted with the wood.



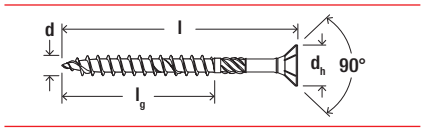
ø 3.5

Chipboard screw stainless steel FPF-SZ A2P



FPF-SZ A2P

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF-SZ 3.5 x 35 A2P 100	657156	●	3.5	35	24	7.0	PZ2	100
FPF-SZ 3.5 x 40 A2P 100	657158	●	3.5	40	24	7.0	PZ2	100



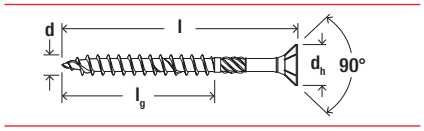
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Chipboard screw stainless steel FPF-SZ A2P



FPF-SZ A2P

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF-SZ 4.0 x 35 A2P 300	657171	●	4.0	35	24	8.0	PZ2	300
FPF-SZ 4.0 x 40 A2P 200	657174	●	4.0	40	24	8.0	PZ2	200
FPF-SZ 4.0 x 45 A2P 200	657177	●	4.0	45	30	8.0	PZ2	200
FPF-SZ 4.0 x 50 A2P 200	657180	●	4.0	50	30	8.0	PZ2	200
FPF-SZ 4.0 x 60 A2P 100	657181	●	4.0	60	36	8.0	PZ2	100
FPF-SZ 4.0 x 70 A2P 100	657182	●	4.0	70	42	8.0	PZ2	100



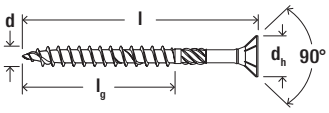
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Chipboard screw stainless steel FPF-SZ A2P



FPF-SZ A2P

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF-SZ 4.5 x 40 A2P 300	657192	●	4.5	40	24	9.0	PZ2	300
FPF-SZ 4.5 x 45 A2P 200	657195	●	4.5	45	30	9.0	PZ2	200
FPF-SZ 4.5 x 50 A2P 200	657198	●	4.5	50	30	9.0	PZ2	200
FPF-SZ 4.5 x 60 A2P 100	657200	●	4.5	60	36	9.0	PZ2	100
FPF-SZ 4.5 x 70 A2P 100	657203	●	4.5	70	42	9.0	PZ2	100



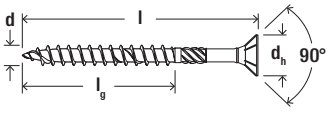
ø 5.0

Chipboard screw stainless steel FPF-SZ A2P



FPF-SZ A2P

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF-SZ 5.0 x 40 A2P 200	657216	●	5.0	40	24	10.0	PZ2	200
FPF-SZ 5.0 x 45 A2P 200	657219	●	5.0	45	30	10.0	PZ2	200
FPF-SZ 5.0 x 50 A2P 200	657222	●	5.0	50	30	10.0	PZ2	200
FPF-SZ 5.0 x 60 A2P 100	657225	●	5.0	60	36	10.0	PZ2	100
FPF-SZ 5.0 x 70 A2P 100	657228	●	5.0	70	42	10.0	PZ2	100
FPF-SZ 5.0 x 80 A2P 100	657231	●	5.0	80	50	10.0	PZ2	100
FPF-SZ 5.0 x 100 A2P 50	657235	●	5.0	100	60	10.0	PZ2	50



ø 6.0

Chipboard screw stainless steel FPF-SZ A2P

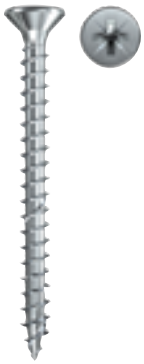


FPF-SZ A2P

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF-SZ 6.0 x 40 A2P 100	657237	●	6.0	40	24	12.0	PZ3	100
FPF-SZ 6.0 x 50 A2P 100	657241	●	6.0	50	30	12.0	PZ3	100
FPF-SZ 6.0 x 60 A2P 100	657244	●	6.0	60	36	12.0	PZ3	100
FPF-SZ 6.0 x 70 A2P 100	657247	●	6.0	70	42	12.0	PZ3	100
FPF-SZ 6.0 x 80 A2P 100	657250	●	6.0	80	50	12.0	PZ3	100
FPF-SZ 6.0 x 90 A2P 50	657252	●	6.0	90	60	12.0	PZ3	50
FPF-SZ 6.0 x 100 A2P 100	657255	●	6.0	100	60	12.0	PZ3	100
FPF-SZ 6.0 x 120 A2P 100	657258	●	6.0	120	70	12.0	PZ3	100
FPF-SZ 6.0 x 140 A2P 50	657260	●	6.0	140	70	12.0	PZ3	50
FPF-SZ 6.0 x 160 A2P 50	657262	●	6.0	160	70	12.0	PZ3	50

PowerFast FPF-SZ A2F

Chipboard screws with countersunk head, PZ cross drive, and full thread





Applications

- General wood joints
- Safety-relevant applications
- Plankings
- Door and metal fittings

Advantages

- The unique PowerFast thread reaches into the screw tip and ensures a fast bite. This makes your work noticeably easier with all wood materials.
- The shank ribs (for screws with partial thread from 50 mm in length and up) substantially reduce drive-in resistance and thus enable greater power and battery conservation in your work.
- The optimised head geometry enables an exact and splinter-free surface finish without the screw twisting off, even with connections close to the edge.
- The underhead milled ribbing ensures an attractive surface finish.
- The high-performance easy-glide coating reduces friction and accelerates the screwing process.
- The ETA assessment guarantees the high safety standard and the premium quality of fischer PowerFast screws.

Certificates

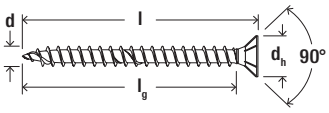
ETA-11/0027, for timber constructions

Building materials

- Glued-laminated timber
- Cross-laminated timber
- Laminated veneer plywood panels (e.g. Multiplex)
- Hard woods (pre-drilled)
- Chipboards and oriented strand boards (e.g. OSB panels)
- Plywood
- Solid wood panels
- Soft woods
- And many other wood materials

Functioning

- Full-thread screws are recommended for mounting thin parts and in less firm wood materials (e.g. soft woods).
- Screws with countersunk head can be flush mounted with the wood.



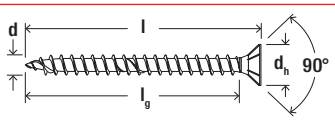
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Chipboard screw Edelstahl FPF-SZ A2F



FPF-SZ A2F

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF-SZ 3.0 x 25 A2F 100	657138	●	3.0	25	21	6.0	PZ1	100
FPF-SZ 3.0 x 30 A2F 100	657140	●	3.0	30	26	6.0	PZ1	100
FPF-SZ 3.0 x 35 A2F 100	657142	●	3.0	35	31	6.0	PZ1	100



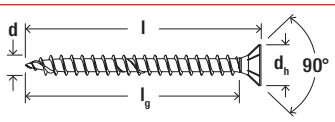
ø 3.5

Chipboard screw Edelstahl FPF-SZ A2F



FPF-SZ A2F

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF-SZ 3.5 x 20 A2F 300	657149	●	3.5	20	16	7.0	PZ2	300
FPF-SZ 3.5 x 25 A2F 300	657151	●	3.5	25	21	7.0	PZ2	300
FPF-SZ 3.5 x 30 A2F 100	657152	●	3.5	30	26	7.0	PZ2	100
FPF-SZ 3.5 x 35 A2F 100	657154	●	3.5	35	31	7.0	PZ2	100



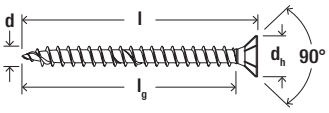
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Chipboard screw Edelstahl FPF-SZ A2F



FPF-SZ A2F

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF-SZ 4.0 x 20 A2F 100	657160	●	4.0	20	15	8.0	PZ2	100
FPF-SZ 4.0 x 25 A2F 300	657163	●	4.0	25	20	8.0	PZ2	300
FPF-SZ 4.0 x 30 A2F 300	657166	●	4.0	30	25	8.0	PZ2	300



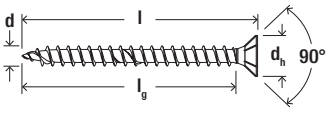
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Chipboard screw Edelstahl FPF-SZ A2F



FPF-SZ A2F

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF-SZ 4.5 x 30 A2F 100	**657183**	●	4.5	30	25	9.0	PZ2	100
FPF-SZ 4.5 x 35 A2F 100	**657185**	●	4.5	35	30	9.0	PZ2	100
FPF-SZ 4.5 x 40 A2F 300	**657189**	●	4.5	40	35	9.0	PZ2	300



ø 5.0

Chipboard screw Edelstahl FPF-SZ A2F



FPF-SZ A2F

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF-SZ 5.0 x 30 A2F 200	**657210**	●	5.0	30	24	10.0	PZ2	200
FPF-SZ 5.0 x 35 A2F 200	**657213**	●	5.0	35	29	10.0	PZ2	200

PowerFast FPF-ST A2P

The chipboard screws with countersunk head, TX star recess drive and partial thread





Applications

- Preferably wood-wood connections
- General wood joints
- Finger tightening elements
- Safety-relevant applications
- Plankings

Advantages

- The unique PowerFast thread reaches into the screw tip and ensures a fast bite. This makes your work noticeably easier with all wood materials.
- The shank ribs (for screws with partial thread from 50 mm in length and up) substantially reduce drive-in resistance and thus enable greater power and battery conservation in your work.
- The optimised head geometry enables an exact and splinter-free surface finish without the screw twisting off, even with connections close to the edge.
- The underhead milled ribbing ensures an attractive surface finish.
- The high-performance easy-glide coating reduces friction and accelerates the screwing process.
- The ETA assessment guarantees the high safety and premium quality of fischer PowerFast screws in soft and hard woods.

Certificates

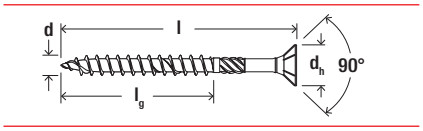
ETA-11/0027, for timber constructions

Building materials

- Glued-laminated timber
- Cross-laminated timber
- Laminated veneer plywood panels (e.g. Multiplex)
- Hard woods (pre-drilled)
- Chipboards and oriented strand boards (e.g. OSB panels)
- Plywood
- Solid wood panels
- Soft woods
- And many other wood materials

Functioning

- Screws with partial threads can lock wood parts into place by tightening them against each other.
- Screws with countersunk head can be flush mounted with the wood.



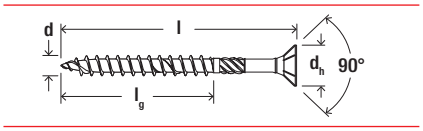
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Chipboard screw stainless steel FPF-ST A2P



FPF-ST A2P

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF-ST 3.5 x 35 A2P 200	657024	●	3.5	35	24	7.0	TX10	200
FPF-ST 3.5 x 40 A2P 200	657026	●	3.5	40	24	7.0	TX10	200



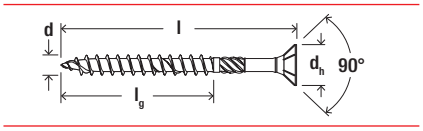
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Chipboard screw stainless steel FPF-ST A2P



FPF-ST A2P

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF-ST 4.0 x 40 A2P 200	657040	●	4.0	40	24	8.0	TX20	200
FPF-ST 4.0 x 45 A2P 200	657042	●	4.0	45	30	8.0	TX20	200
FPF-ST 4.0 x 50 A2P 200	657044	●	4.0	50	30	8.0	TX20	200
FPF-ST 4.0 x 60 A2P 200	657046	●	4.0	60	36	8.0	TX20	200



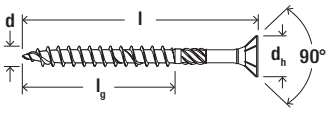
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Chipboard screw stainless steel FPF-ST A2P



FPF-ST A2P

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF-ST 4.5 x 35 A2P 200	657052	●	4.5	35	24	9.0	TX20	200
FPF-ST 4.5 x 40 A2P 200	657057	●	4.5	40	24	9.0	TX20	200
FPF-ST 4.5 x 45 A2P 200	657060	●	4.5	45	30	9.0	TX20	200
FPF-ST 4.5 x 50 A2P 200	657063	●	4.5	50	30	9.0	TX20	200
FPF-ST 4.5 x 60 A2P 100	657065	●	4.5	60	36	9.0	TX20	100
FPF-ST 4.5 x 70 A2P 100	657067	●	4.5	70	42	9.0	TX20	100



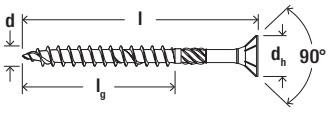
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Chipboard screw stainless steel FPF-ST A2P



FPF-ST A2P

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF-ST 5.0 x 40 A2P 200	657079	●	5.0	40	24	10.0	TX20	200
FPF-ST 5.0 x 45 A2P 200	657082	●	5.0	45	30	10.0	TX20	200
FPF-ST 5.0 x 50 A2P 200	657085	●	5.0	50	30	10.0	TX20	200
FPF-ST 5.0 x 60 A2P 100	657088	●	5.0	60	36	10.0	TX20	100
FPF-ST 5.0 x 70 A2P 100	657091	●	5.0	70	42	10.0	TX20	100
FPF-ST 5.0 x 80 A2P 100	657094	●	5.0	80	50	10.0	TX20	100
FPF-ST 5.0 x 100 A2P 100	657097	●	5.0	100	60	10.0	TX20	100
FPF-ST 5.0 x 120 A2P 100	657100	●	5.0	120	70	10.0	TX20	100



ø 6.0

Chipboard screw stainless steel FPF-ST A2P



FPF-ST A2P

Item	Item no.	Approval ETA	Drive	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Sales unit [pcs]
FPF-ST 6,0 x 40 A2P 200	657103	●	TX30	40	24	12.0	200
FPF-ST 6,0 x 50 A2P 200	657109	●	TX30	50	30	12.0	200
FPF-ST 6,0 x 60 A2P 100	657112	●	TX30	60	36	12.0	100
FPF-ST 6,0 x 70 A2P 100	657115	●	TX30	70	42	12.0	100
FPF-ST 6,0 x 80 A2P 100	657118	●	TX30	80	50	12.0	100
FPF-ST 6,0 x 90 A2P 100	657121	●	TX30	90	60	12.0	100
FPF-ST 6,0 x 100 A2P 100	657124	●	TX30	100	60	12.0	100
FPF-ST 6,0 x 120 A2P 100	657127	●	TX30	120	70	12.0	100
FPF-ST 6,0 x 140 A2P 100	657129	●	TX30	140	70	12.0	100
FPF-ST 6,0 x 160 A2P 100	657131	●	TX30	160	70	12.0	100
FPF-ST 6,0 x 180 A2P 100	657409	●	TX30	180	70	12.0	100
FPF-ST 6,0 x 200 A2P 100	657410	●	TX30	200	70	12.0	100

PowerFast FPF-WT A2P

The powerful wood construction screws with flat head, TX star recess drive and partial thread





Applications

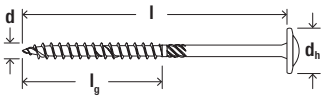
- Safety-relevant applications
- Wood frame construction
- Post construction
- Timber houses
- Rooftop insulation systems
- Car ports
- Conservatories
- Playground equipment

Advantages

- The unique PowerFast thread reaches into the screw tip and ensures a fast bite. This makes installation simple and safe even with the large screw dimension used specifically for load-bearing wood structures.
- The shank ribs reduce drive-in resistance and thereby enable power and battery conservation in your work.
- The wood construction screw with flange head can hold much greater loads thanks to the higher pull-through resistance.
- The ETA assessment guarantees the high safety standard and the premium quality of fischer PowerFast screws.

Functioning

- The flange head screws are particularly effective thanks to their high pull-through resistance.



ø 6,0

Chipboard screw stainless steel FPF-WT A2P

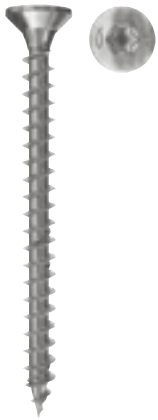


FPF-WT A2P

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF-WT 6,0 x 60 A2P 200	**657433**	●	6.0	60	30	14.5	TX30	200
FPF-WT 6,0 x 80 A2P 200	**657434**	●	6.0	80	50	14.5	TX30	200
FPF-WT 6,0 x 100 A2P 100	**657435**	●	6.0	100	50	14.5	TX30	100
FPF-WT 6,0 x 120 A2P 100	**657436**	●	6.0	120	50	14.5	TX30	100
FPF-WT 6,0 x 140 A2P 100	**657437**	●	6.0	140	70	14.5	TX30	100
FPF-WT 6,0 x 160 A2P 100	**657438**	●	6.0	160	70	14.5	TX30	100
FPF-WT 6,0 x 180 A2P 100	**657439**	●	6.0	180	70	14.5	TX30	100
FPF-WT 6,0 x 200 A2P 100	**657440**	●	6.0	200	70	14.5	TX30	100

PowerFast FPF-ST A2F

Chipboard screws with countersunk head, TX star recess drive, and full thread





Applications

- General wood joints
- Safety-relevant applications
- Plankings
- Door and metal fittings

Advantages

- The unique PowerFast thread reaches into the screw tip and ensures a fast bite. This makes your work noticeably easier with all wood materials.
- The shank ribs (for screws with partial thread from 50 mm in length and up) substantially reduce drive-in resistance and thus enable greater power and battery conservation in your work.
- The optimised head geometry enables an exact and splinter-free surface finish without the screw twisting off, even with connections close to the edge.
- The underhead milled ribbing ensures an attractive surface finish.
- The high-performance easy-glide coating reduces friction and accelerates the screwing process.
- The ETA assessment guarantees the high safety standard and the premium quality of fischer PowerFast screws.

Certificates

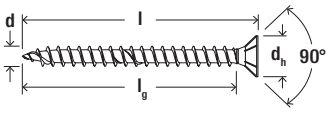
ETA-11/0027, for timber constructions

Building materials

- Glued-laminated timber
- Cross-laminated timber
- Laminated veneer plywood panels (e.g. Multiplex)
- Hard woods (pre-drilled)
- Chipboards and oriented strand boards (e.g. OSB panels)
- Plywood
- Solid wood panels
- Soft woods
- And many other wood materials

Functioning

- Full-thread screws are recommended for mounting thin parts and in less firm wood materials (e.g. soft woods).
- Screws with countersunk head can be flush mounted with the wood.



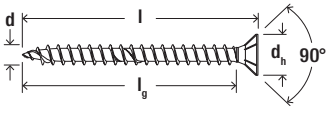
ø 3.0

Chipboard screw Edelstahl FPF-ST A2F



FPF-ST A2F

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF-ST 3.0 x 12 A2F 300	657002	–	3.0	12	8	6.0	TX10	300
FPF-ST 3.0 x 16 A2F 300	657004	–	3.0	16	12	6.0	TX10	300
FPF-ST 3.0 x 20 A2F 300	657006	●	3.0	20	16	6.0	TX10	300
FPF-ST 3.0 x 25 A2F 300	657008	●	3.0	25	21	6.0	TX10	300
FPF-ST 3.0 x 30 A2F 300	657010	●	3.0	30	26	6.0	TX10	300
FPF-ST 3.0 x 35 A2F 200	657012	●	3.0	35	31	6.0	TX10	200



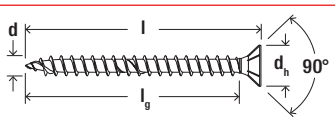
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Chipboard screw Edelstahl FPF-ST A2F



FPF-ST A2F

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF-ST 3.5 x 16 A2F 300	657014	–	3.5	16	12	7.0	TX10	300
FPF-ST 3.5 x 20 A2F 300	657016	●	3.5	20	16	7.0	TX10	300
FPF-ST 3.5 x 25 A2F 300	657018	●	3.5	25	21	7.0	TX10	300
FPF-ST 3.5 x 30 A2F 200	657020	●	3.5	30	26	7.0	TX10	200
FPF-ST 3.5 x 35 A2F 200	657022	●	3.5	35	31	7.0	TX10	200



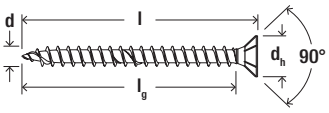
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Chipboard screw Edelstahl FPF-ST A2F



FPF-ST A2F

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF-ST 4.0 x 20 A2F 200	657028	●	4.0	20	15	8.0	TX20	200
FPF-ST 4.0 x 25 A2F 200	657030	●	4.0	25	20	8.0	TX20	200
FPF-ST 4.0 x 30 A2F 200	657032	●	4.0	30	25	8.0	TX20	200
FPF-ST 4.0 x 35 A2F 200	657036	●	4.0	35	30	8.0	TX20	200



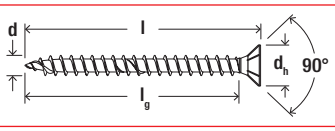
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Chipboard screw Edelstahl FPF-ST A2F



FPF-ST A2F

	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
Item								
FPF-ST 4.5 x 30 A2F 200	**657048**	●	4.5	30	25	9.0	TX20	200
FPF-ST 4.5 x 35 A2F 200	**657050**	●	4.5	35	30	9.0	TX20	200



ø 5.0

Chipboard screw Edelstahl FPF-ST A2F



FPF-ST A2F

	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
Item								
FPF-ST 5.0 x 30 A2F 200	**657070**	●	5.0	30	24	10.0	TX20	200
FPF-ST 5.0 x 35 A2F 200	**657073**	●	5.0	35	29	10.0	TX20	200

PowerFast FPF-ST A2P

The chipboard screws with countersunk head, TX star recess drive and partial thread





Timber substructures

Applications

- Preferably wood-wood connections
- General wood joints
- Finger tightening elements
- Safety-relevant applications
- Plankings

Advantages

- The unique PowerFast thread reaches into the screw tip and ensures a fast bite. This makes your work noticeably easier with all wood materials.
- The shank ribs (for screws with partial thread from 50 mm in length and up) substantially reduce drive-in resistance and thus enable greater power and battery conservation in your work.
- The optimised head geometry enables an exact and splinter-free surface finish without the screw twisting off, even with connections close to the edge.
- The underhead milled ribbing ensures an attractive surface finish.
- The high-performance easy-glide coating reduces friction and accelerates the screwing process.
- The ETA assessement guarantees the high safety and premium quality of fischer PowerFast screws in soft and hard woods.

Certificates

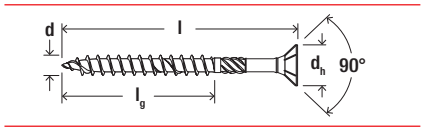
ETA-11/0027, for timber constructions

Building materials

- Glued-laminated timber
- Cross-laminated timber
- Laminated veneer plywood panels (e.g. Multiplex)
- Hard woods (pre-drilled)
- Chipboards and oriented strand boards (e.g. OSB panels)
- Plywood
- Solid wood panels
- Soft woods
- And many other wood materials

Functioning

- Screws with partial threads can lock wood parts into place by tightening them against each other.
- Screws with countersunk head can be flush mounted with the wood.



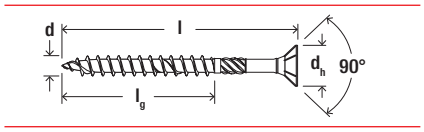
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Chipboard screw stainless steel FPF-ST A4P



FPF-ST A4P

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF-ST 4.0 x 35 A4P 200	657280	●	4.0	35	24	8.0	TX20	200
FPF-ST 4.0 x 40 A4P 200	040562	●	4.0	40	24	8.0	TX20	200
FPF-ST 4.0 x 45 A4P 200	657283	●	4.0	45	30	8.0	TX20	200
FPF-ST 4.0 x 50 A4P 200	657285	●	4.0	50	30	8.0	TX20	200



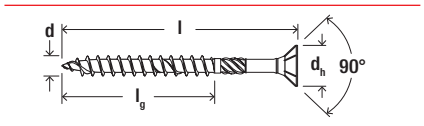
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Chipboard screw stainless steel FPF-ST A4P



FPF-ST A4P

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF-ST 4.5 x 40 A4P 200	657291	●	4.5	40	24	9.0	TX20	200
FPF-ST 4.5 x 45 A4P 200	657293	●	4.5	45	30	9.0	TX20	200
FPF-ST 4.5 x 50 A4P 200	040563	●	4.5	50	30	9.0	TX20	200
FPF-ST 4.5 x 70 A4P 200	040504	●	4.5	70	42	9.0	TX20	200
FPF-ST 4.5 x 80 A4P 200	040505	●	4.5	80	50	9.0	TX20	200



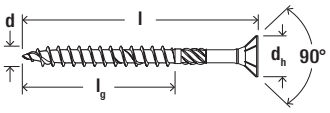
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Chipboard screw stainless steel FPF-ST A4P



FPF-ST A4P

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF-ST 5.0 x 40 A4P 200	657300	●	5.0	40	24	10.0	TX20	200
FPF-ST 5.0 x 50 A4P 200	040565	●	5.0	50	30	10.0	TX20	200
FPF-ST 5.0 x 60 A4P 200	040566	●	5.0	60	36	10.0	TX20	200
FPF-ST 5.0 x 70 A4P 100	040567	●	5.0	70	42	10.0	TX20	100
FPF-ST 5.0 x 80 A4P 100	040568	●	5.0	80	50	10.0	TX20	100



ø 6.0

Chipboard screw stainless steel FPF-ST A4P

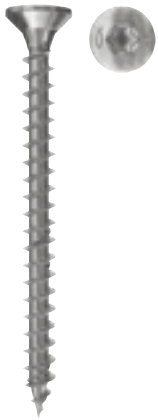


FPF-ST A4P

Item	Item no.	Approval ETA	Drive	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Sales unit [pcs]
FPF-ST 6,0 x 40 A4P 200	**657306**	●	TX30	40	24	12.0	200
FPF-ST 6,0 x 50 A4P 100	**657308**	●	TX30	50	30	12.0	100
FPF-ST 6,0 x 60 A4P 100	**657310**	●	TX30	60	36	12.0	100
FPF-ST 6,0 x 80 A4P 100	**657312**	●	TX30	80	50	12.0	100
FPF-ST 6,0 x 90 A4P 100	**657507**	●	TX30	90	60	12.0	100
FPF-ST 6,0 x 100 A4P 100	**040569**	●	TX30	100	60	12.0	100
FPF-ST 6,0 x 120 A4P 100	**040570**	●	TX30	120	70	12.0	100
FPF-ST 6,0 x 140 A4P 100	**657404**	●	TX30	140	70	12.0	100
FPF-ST 6,0 x 160 A4P 100	**657405**	●	TX30	160	70	12.0	100
FPF-ST 6,0 x 180 A4P 100	**657406**	●	TX30	180	70	12.0	100
FPF-ST 6,0 x 200 A4P 100	**657407**	●	TX30	200	70	12.0	100

PowerFast FPF-ST A2F

Chipboard screws with countersunk head, TX star recess drive, and full thread





Timber substructures

Applications

- General wood joints
- Safety-relevant applications
- Plankings
- Door and metal fittings

Advantages

- The unique PowerFast thread reaches into the screw tip and ensures a fast bite. This makes your work noticeably easier with all wood materials.
- The shank ribs (for screws with partial thread from 50 mm in length and up) substantially reduce drive-in resistance and thus enable greater power and battery conservation in your work.
- The optimised head geometry enables an exact and splinter-free surface finish without the screw twisting off, even with connections close to the edge.
- The underhead milled ribbing ensures an attractive surface finish.
- The high-performance easy-glide coating reduces friction and accelerates the screwing process.
- The ETA assessment guarantees the high safety standard and the premium quality of fischer PowerFast screws.

Certificates

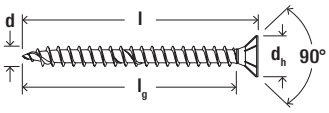
ETA-11/0027, for timber constructions

Building materials

- Glued-laminated timber
- Cross-laminated timber
- Laminated veneer plywood panels (e.g. Multiplex)
- Hard woods (pre-drilled)
- Chipboards and oriented strand boards (e.g. OSB panels)
- Plywood
- Solid wood panels
- Soft woods
- And many other wood materials

Functioning

- Full-thread screws are recommended for mounting thin parts and in less firm wood materials (e.g. soft woods).
- Screws with countersunk head can be flush mounted with the wood.



Technical data

Chipboard screw Edelstahl FPF-ST A4F

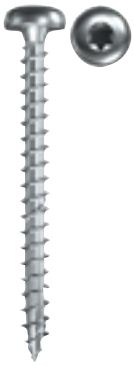


FPF-ST A4F

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF-ST 3.5 x 30 A4F 200	**657274**	●	3.5	30	26	7.0	TX10	200
FPF-ST 4.0 x 20 A4F 200	**657276**	●	4.0	20	15	8.0	TX20	200
FPF-ST 4.0 x 30 A4F 200	**657278**	●	4.0	30	25	8.0	TX20	200
FPF-ST 4.5 x 30 A4F 200	**657287**	●	4.5	30	25	9.0	TX20	200
FPF-ST 5.0 x 30 A4F 200	**657298**	●	5.0	30	24	10.0	TX20	200

PowerFast FPF-PT A2F

The chipboard screws with pan head, TX star recess drive and full thread





Applications

- General wood joints
- Finger tightening elements
- Safety-relevant applications
- Plankings
- Door and metal fittings

Advantages

- The unique PowerFast thread reaches into the screw tip and ensures a fast bite. This makes your work noticeably easier with all wood materials.
- The optimised head geometry enables an exact and splinter-free surface finish without the screw twisting off, even with connections close to the edge.
- The high-performance easy-glide coating reduces friction and accelerates the screwing process.
- The ETA assessment guarantees the high safety and premium quality of fischer PowerFast screws in soft and hard woods.

Certificates

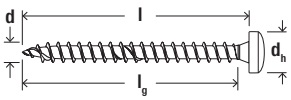
ETA-11/0027, for timber constructions

Building materials

- Glued-laminated timber
- Cross-laminated timber
- Laminated veneer plywood panels (e.g. Multiplex)
- Hard woods (pre-drilled)
- Chipboards and oriented strand boards (e.g. OSB panels)
- Plywood
- Solid wood panels
- Soft woods
- And many other wood materials

Functioning

- Full-thread screws are recommended for mounting thin parts and in less firm wood materials (e.g. soft woods).
- Pan-Head screws are particularly well suited for metal and wood joints.
- Screws cannot sink.



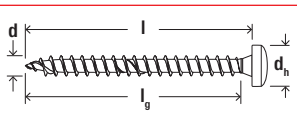
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Chipboard screw Edelstahl FPF-PT A2F



FPF-PT A2F

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF-PT 3.0 x 16 A2F 200	657353	–	3.0	16	14	6.0	TX10	200
FPF-PT 3.0 x 20 A2F 200	657355	●	3.0	20	18	6.0	TX10	200



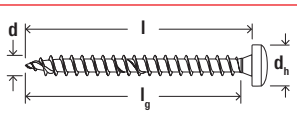
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Chipboard screw Edelstahl FPF-PT A2F



FPF-PT A2F

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF-PT 3.5 x 12 A2F 200	657357	–	3.5	12	10	7.0	TX10	200
FPF-PT 3.5 x 16 A2F 200	657359	–	3.5	16	14	7.0	TX10	200
FPF-PT 3.5 x 20 A2F 200	657361	●	3.5	20	18	7.0	TX10	200
FPF-PT 3.5 x 30 A2F 200	657363	●	3.5	30	28	7.0	TX10	200



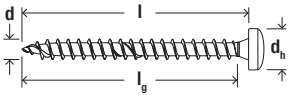
ø 4.0

Chipboard screw Edelstahl FPF-PT A2F



FPF-PT A2F

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF-PT 4.0 x 16 A2F 200	657365	–	4.0	16	13	8.0	TX20	200
FPF-PT 4.0 x 20 A2F 200	657367	●	4.0	20	17	8.0	TX20	200
FPF-PT 4.0 x 30 A2F 200	657369	●	4.0	30	27	8.0	TX20	200
FPF-PT 4.0 x 40 A2F 100	657371	●	4.0	40	37	8.0	TX20	100



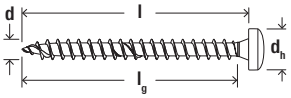
ø 4.5

Chipboard screw Edelstahl FPF-PT A2F



FPF-PT A2F

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF-PT 4.5 x 30 A2F 200	657373	●	4.5	30	27	9.0	TX20	200
FPF-PT 4.5 x 35 A2F 100	657375	●	4.5	35	32	9.0	TX20	100
FPF-PT 4.5 x 40 A2F 100	657377	●	4.5	40	37	9.0	TX20	100



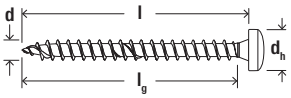
ø 5.0

Chipboard screw Edelstahl FPF-PT A2F



FPF-PT A2F

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF-PT 5.0 x 30 A2F 200	657379	●	5.0	30	26	10.0	TX20	200
FPF-PT 5.0 x 40 A2F 100	657381	●	5.0	40	36	10.0	TX20	100
FPF-PT 5.0 x 50 A2F 50	657383	●	5.0	50	46	10.0	TX20	50
FPF-PT 5.0 x 60 A2F 50	657385	●	5.0	60	56	10.0	TX20	50



ø 6.0

Chipboard screw Edelstahl FPF-PT A2F



FPF-PT A2F

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF-PT 6.0 x 40 A2F 50	657387	●	6.0	40	36	12.0	TX30	50
FPF-PT 6.0 x 50 A2F 50	657389	●	6.0	50	46	12.0	TX30	50
FPF-PT 6.0 x 60 A2F 50	657391	●	6.0	60	56	12.0	TX30	50

PowerFast FPF-LZ A2F

The chipboard screws with raised countersunk head, PZ cross drive and full thread





Applications

- General wood joints
- Finger tightening elements
- Safety-relevant applications
- Plankings
- Skirting
- Door and metal fittings

Advantages

- The unique PowerFast thread reaches into the screw tip and ensures a fast bite. This makes your work noticeably easier with all wood materials.
- The optimised head geometry enables an exact and splinter-free surface finish without the screw twisting off, even with connections close to the edge.
- The high-performance easy-glide coating reduces friction and accelerates the screwing process.
- The ETA assessment guarantees the high safety standard and the premium quality of fischer PowerFast screws.

Certificates

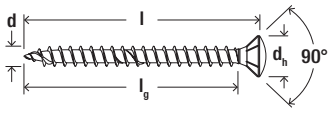
ETA-11/0027, for timber constructions

Building materials

- Glued-laminated timber
- Cross-laminated timber
- Laminated veneer plywood panels (e.g. Multiplex)
- Hard woods (pre-drilled)
- Chipboards and oriented strand boards (e.g. OSB panels)
- Plywood
- Solid wood panels
- Soft woods
- And many other wood materials

Functioning

- Full-thread screws are recommended for mounting thin parts and in less firm wood materials (e.g. soft woods).
- The raised countersunk head is particularly suitable for joints where the screw head is visible and needs to leave behind an attractive appearance.



Technical data

Chipboard screw Edelstahl FPF-LZ A2F



FPF-LZ A2F

	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
Item								
FPF-LZ 4.0 x 40 A2F 200	**657341**	●	4.0	40	35	8.0	PZ2	200
FPF-LZ 4.0 x 50 A2F 200	**657343**	●	4.0	50	45	8.0	PZ2	200
FPF-LZ 4.5 x 40 A2F 200	**657345**	●	4.5	40	35	9.0	PZ2	200
FPF-LZ 4.5 x 50 A2F 200	**657347**	●	4.5	50	45	9.0	PZ2	200
FPF-LZ 5.0 x 60 A2F 200	**657351**	●	5.0	60	54	10.0	PZ2	200



7

Special screws zink plated

MDF screw **PowerFast FDF-ST YZP**	168	
Floorboard screw **PowerFast FTF-ST YZP**	169	
Wood connector screw **PowerFast FPF-PT ZPF**	170	

For special applications, flexible and unobtrusive.



Head shape variants

Wood floor screw
- 60° countersunk head
- For the splinter-proof screwing of solid wooden floorboards



MDF plate screw
- 75° countersunk head
- Geometry ideal for use with MDF (e.g. in furniture making)



Wood Connector Screw
- Head shape especially for wood Connectors to connect steel components to timber

Special screws for special applications

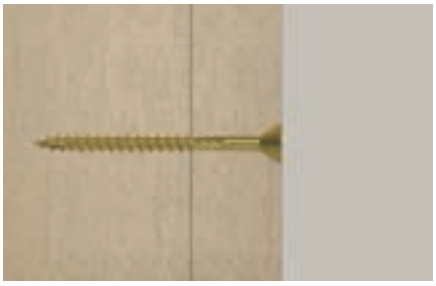
- Screw geometry specially designed for the application
- The various head shapes and dimensions make the decisive difference to standard chipboard screws
- Small head shapes also effectively reduce the gaps between the wood



MDF screws PowerFast FDF-ST YZP

The MDF plate screws with TX star recess drive and partial thread







Kitchen hanging cabinets

Applications

- Screwing of MDF-fibreboards
- Plankings

Advantages

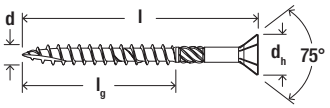
- The MDF board screw has a small 75° countersunk head. This head is countersunk flush and thus provides a high-quality and inconspicuous surface appearance.
- The PowerFast thread reaches into the screw tip and ensures a fast bite. This makes your work noticeably easier.
- The shank ribs reduce drive-in resistance and thereby enable power and battery conservation in your work.

Building materials

- MDF boards

Functioning

- With the PowerFast thread, the MDF board screw can be handled easily and quickly without pre-drilling.



Technical data

MDF screws FPF-ST YZP



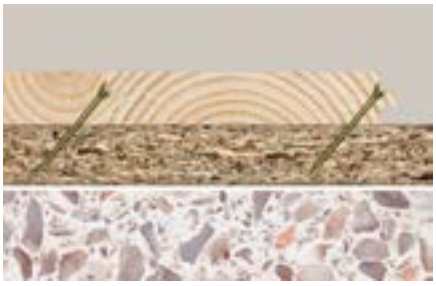
FDF-ST YZP

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FDF-ST 3.5 x 40 YZP 200	**660201**	3.5	40	24	7.0	TX10	200
FDF-ST 3.5 x 45 YZP 200	**660202**	3.5	45	30	7.0	TX10	200
FDF-ST 3.5 x 50 YZP 200	**660203**	3.5	50	30	7.0	TX10	200
FDF-ST 4.0 x 40 YZP 200	**660204**	4.0	40	24	8.0	TX20	200
FDF-ST 4.0 x 45 YZP 200	**660205**	4.0	45	30	8.0	TX20	200
FDF-ST 4.0 x 50 YZP 200	**660206**	4.0	50	30	8.0	TX20	200
FDF-ST 4.0 x 60 YZP 100	**660207**	4.0	60	36	8.0	TX20	100
FDF-ST 4.5 x 45 YZP 200	**660208**	4.5	45	30	9.0	TX20	200
FDF-ST 4.5 x 50 YZP 200	**660209**	4.5	50	30	9.0	TX20	200

Floorboard screws PowerFast FTF-ST YZP

The flooring screws with TX star recess drive and partial thread







Applications

- Screwing of wood connectors

Advantages

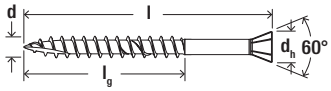
- The special screw for laying solid wooden flooring has a very narrow 60°, 6 mm countersunk head. This is specially designed for a lateral and invisible screw fitting on tongue and groove boards.
- The PowerFast thread reaches into the screw tip and ensures a fast bite. This makes your work noticeably easier.
- The special thread geometry prevents the formation of cracks for optimal fastening of high-quality, solid wood floors.

Building materials

- Solid wooden flooring from various wooden materials

Functioning

- With the PowerFast thread, the flooring screw can be handled easily and quickly without pre-drilling.



Technical data

Floorboard screw FTF-ST YZP

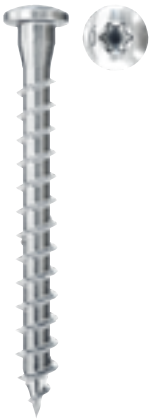


FTF-ST YZP

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FTF-ST 3.5 x 35 YZP 200	660101	3.5	35	24	6.0	TX10	200
FTF-ST 3.5 x 45 YZP 200	660103	3.5	45	30	6.0	TX10	200
FTF-ST 3.5 x 55 YZP 200	660105	3.5	55	36	6.0	TX10	200

PowerFast FPF-PT ZPF

The wood connector screws with TX star recess drive and full thread







Applications

- Screwing of wood connectors

Advantages

- The wood connector screw with the optimised head geometry and cylindrical underhead is ideally suited for the standardised fixing holes of metal wood connectors. This ensures the maximum force transmission from the screw to the wood connector.
- The unique PowerFast thread reaches into the screw tip and ensures a fast bite. This makes your work noticeably easier with all wood materials.
- The high-performance easy-glide coating reduces friction and accelerates the screwing process.
- The ETA approval guarantees the high safety standard and the premium quality of fischer PowerFast screws.

Certificates

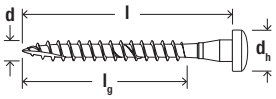
ETA-11/0027, for timber constructions

Building materials

- Wooden materials
- Timber connectors

Functioning

- Special screws for the fixing of timber connectors made from metal to wooden materials (for example, soft woods). Maximum force transmission thanks to cylindrical underhead.



Technical data

Wood connector screw PowerFast FPF-PT ZPF



FPF-PT ZPF

	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
Item								
FPF-PT 5.0 x 40 ZPF 200	**652880**	●	5.0	40	35	8.5	TX20	200
FPF-PT 5.0 x 50 ZPF 200	**652881**	●	5.0	50	45	8.5	TX20	200



8

Special screws stainless steel

Façade screw FFSII-RT6	176	
Terrace screw FTS-ST A2P	178	
Terrace screw FPF-ST A2P	180	
Post screw FJS-LT A2F	182	

For outdoor applications, safe and durable.



Head shape variants

Wood façade screw
- For visible wooden façades with wooden sub-structures
- With 60° countersunk head for an unobtrusive and secure connection



Terrace screw with locking thread
- Also suitable for hard woods such as bangkirai
- Locking thread in the lower head area for a durable and secure screw



Terrace screw
- For terrace decking with wooden sub-structures
- With flat countersunk head for an easy and splinter-proof sinking



Jamb screw
- For the fixing of wooden posts in metal profiles
- Special round head for the ideal centring in the post anchor (e.g. for fences)

Predrilling recommended

- To prevent the screw breaking when being screwed in
- To reduce cracks or splits in the wood for screws near edges
- Especially important with hard woods
- It is very difficult to remove a broken screw
- For use in hardwoods and painted surfaces, we recommend pre-drilling the screws



Façade screw FFSII-RT6

The façade screws with TX star recess drive and partial thread





Applications

- Fixing of wooden façade elements on wooden substructures

Advantages

- The adapted 60° countersunk head with underhead milling ribs makes it easy to sink the head and creates a neat finish. It is ideal for hidden screwing in the tongues of facade boards.
- The extra deep bit recess provides the screwdriver with a secure hold in the TX star socket mode. The perfect adjustment allows for reliable screwing and a longer life span for the bit.
- Additional shank ribs help to reduce the force required and spare the battery life, especially when screwing with a long shaft.
- The central double thread provides the screw with continuous feed. Screwing close to the edge without pre-drilling is no problem.
- The cutting notches in the first third of the thread as well as the glide coating effectively prevent friction, thus leading to a noticeably quicker screwing process.
- Thread up into the tip provides an extremely fast bite, as well as precise setting, thus preventing the screw from wobbling during initial positioning.

Certificates

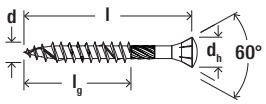
ETA-11/0027, for timber constructions

Building materials

- Wooden materials

Functioning

- The boards in the wood façades can be fastened to the substructure easily and permanently with the fischer wood façade screw with no need for pre-drilling.
- For painted surfaces we recommend to pre-drill.



Technical data

Wood façade screw FFSII-RT6

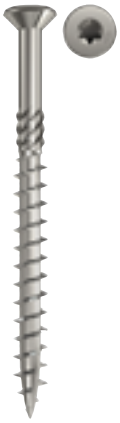


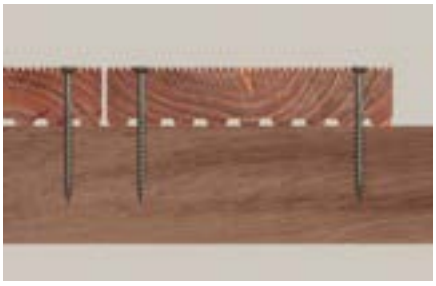
FFSII-RT6

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FFSII-RT6 4.5 x 40 A2	**548559**	●	4.5	40	24	6.9	TX20	300
FFSII-RT6 4.5 x 45 A2	**548560**	●	4.5	45	30	6.9	TX20	300
FFSII-RT6 4.5 x 50 A2	**548561**	●	4.5	50	30	6.9	TX20	300
FFSII-RT6 4.5 x 60 A2	**548562**	●	4.5	60	36	6.9	TX20	200
FFSII-RT6 4.5 x 70 A2	**548563**	●	4.5	70	42	6.9	TX20	200
FFSII-RT6 5.0 x 60 A2	**548565**	●	5.0	60	36	7.8	TX20	200
FFSII-RT6 5.0 x 70 A2	**548566**	●	5.0	70	42	7.8	TX20	100
FFSII-RT6 5.0 x 80 A2	**548567**	●	5.0	80	50	7.8	TX20	100

Terrace screw FTS-ST A2P

The terrace screws with flat countersunk head, TX star recess drive and partial locking thread





Applications

- Screwing of terrace plankings on wooden substructures

Advantages

- The stainless steel terrace screw A2 offers a high degree of weather and tannic acid resistance. These properties increase the durability of the screw.
- The PowerFast thread reaches into the screw tip and ensures a fast bite. This makes your work noticeably easier.
- The shank ribs reduce drive-in resistance and thereby enable power and battery conservation in your work.
- The flat head geometry enables an exact and splinter-free surface finish, even with connections close to the edge.

Certificates

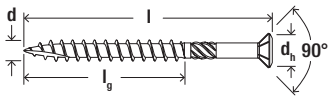
Inox Stainless Steel

Building materials

- Solid wood panels
- Tropical woods (pre-drilled)
- Hard woods (pre-drilled)
- Thermowood
- Soft woods
- And many other wood materials

Functioning

- For best results, we strongly recommend pre-drilling and pre-counterboring holes.



ø 5,0

Terrace screw FTS-ST A2P

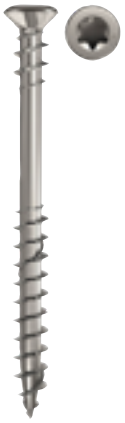


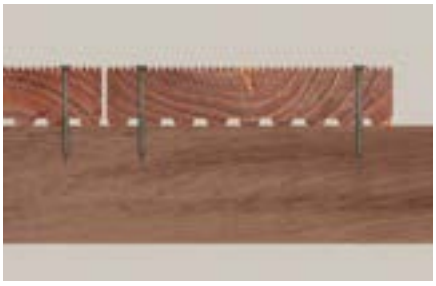
FTS-ST A2P

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FTS-ST 5.0 x 40 A2P 200	**660602**	5.0	40	24	8.2	TX20	200
FTS-ST 5.0 x 50 A2P 200	**660604**	5.0	50	30	8.2	TX20	200
FTS-ST 5.0 x 50 A2P 500	**660605**	5.0	50	30	8.2	TX20	500
FTS-ST 5.0 x 60 A2P 150	**660607**	5.0	60	36	8.2	TX20	150
FTS-ST 5.0 x 60 A2P 500	**660608**	5.0	60	36	8.2	TX20	500
FTS-ST 5.0 x 70 A2P 100	**660610**	5.0	70	42	8.2	TX20	100
FTS-ST 5.0 x 80 A2P 100	**660612**	5.0	80	50	8.2	TX20	100

Terrace screw FPF-ST A2P

The terrace screws with flat countersunk head, TX star recess drive and partial locking thread





Applications

- Screwing of terrace plankings on wooden substructures

Advantages

- The stainless steel terrace screw A2 offers a high degree of weather and tannic acid resistance. These properties increase the durability of the screw.
- The special thread reaches into the screw tip and ensures a fast bite. This makes your work noticeably easier.
- The locking thread in the underhead area ensures the separate fixing of the floor board.
- The shank ribs reduce drive-in resistance and thereby enable power and battery conservation in your work.
- The flat head geometry enables an exact and splinter-free surface finish, even with connections close to the edge.

Certificates

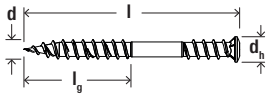
Inox Stainless Steel

Building materials

- Solid wood panels
- Tropical woods (pre-drilled)
- Hard woods (pre-drilled)
- Thermowood
- Soft woods
- And many other wood materials

Functioning

- For best results, we strongly recommend pre-drilling and pre-counterboring holes.



ø 5,5

Terrace screw FPF-ST A2P

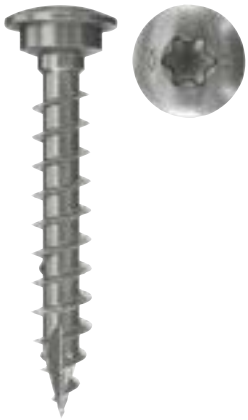


FPF-ST A2P

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPF-ST 5.5 x 40 A2P 200	**660614**	5.5	40	22	7.0	TX20	200
FPF-ST 5.5 x 50 A2P 200	**660615**	5.5	50	25	7.5	TX20	200
FPF-ST 5.5 x 60 A2P 200	**660616**	5.5	60	30	7.5	TX20	200
FPF-ST 5.5 x 70 A2P 200	**660617**	5.5	70	35	7.5	TX20	200
FPF-ST 5.5 x 80 A2P 200	**660618**	5.5	80	40	7.5	TX20	200

Post screw FJS-LT A2F

The post screws with round head, TX star recess drive and full thread





Applications

- Fixing of posts to post feet

Advantages

- The stainless steel post screw is ideally suited for safe and long-lasting connections in external areas.
- The thread reaches into the screw tip and ensures a fast bite.
- The special head shape ensures that the screw locks firmly with the post foot.
- The flush screw connection combines safety with an appealing visual effect.

Certificates

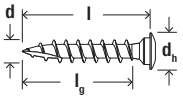
Inox Stainless Steel

Building materials

- Post foot
- Wooden materials

Functioning

- The post screw can be screwed in using the drill hole in the joist hanger without pre-drilling.



ø 7,0

Post screw FJS-LT A2F



FJS-LT A2F

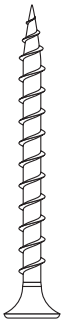
Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FJS-LT 7.0 x 40 A2F 50	**660702**	7.0	40	30	13.6	TX30	50
FJS-LT 7.0 x 50 A2F 50	**660704**	7.0	50	40	13.6	TX30	50



9
Drywall screws

Drywall screw FSN-TPR	188	
Drywall screw FSN-TP	190	
Drywall screw FSN-TPD	192	
Drywall screw FSN-TPB	194	
Gypsum fibreboard screw with HiLo thread (fermacell) FSN-TPG	196	
Profile connection screw FSN-FP / FPB	198	

Fast, reliable and simply in the application.



Head shape variants

Drywall screw with coarse thread
- For wooden post sub-structures
- With needle tip and trumpet shape head



Drywall screw with HiLo-thread
- For gypsum fibreboard (fermacell panels)
- With needle tip and small countersunk head. For up to 0.8 mm thick metal profiles without pre-drilling



Drywall screw with fine thread
- With needle tip and trumpet shape head. For up to 0.7 mm thick metal profiles. Pre-drilling not required
- With needle tip and trumpet shape head. For up to 2.0 mm thick metal profiles. Pre-drilling not required



Profile connection screw
- For the reliable connection of metal profiles
- Without drill bit tip for metal profiles up to 0.9 mm in thickness. Pre-drilling not required
- With drill bit tip for metal profiles up to 2.0 mm in thickness. Pre-drilling not required

Drywall screws

- Suitable for the fixing of gypsum plasterboard, gypsum fibreboard and metal profile stands
- The special drill bit tips allow for reliable seating. Pre-drilling not required
- Various screw head versions available to suit the application in question



Drywall screw FSN-TPR

The gypsum plasterboard screws with trumpet shape head, coarse thread, needle tip and PH cross drive





Applications

- Mounting of gypsum plasterboards on wooden posts

Advantages

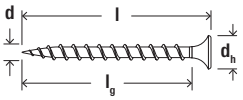
- The fischer gypsum plasterboard screw assortment always offers the right solution for the most diverse drywall constructions.
- Thanks to the needle tip, the wooden thread bites quickly and safely.
- The extra deep bit socket ensures a secure hold and thus a longer tool lifetime.
- The gypsum plasterboard screws are phosphate-treated and thus provide the necessary corrosion protection. This makes them safe and cost-effective.

Building materials

- Gypsum plasterboards on wooden posts

Functioning

- The gypsum plasterboard screws with trumpet shape head and coarse thread fasten plasterboards to wooden posts easily and safely.



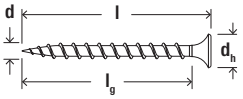
Technical data

Drywall screw FSN-TPR



FSN-TPR

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FSN-TPR 3.9 x 25 F 1000	**665045**	3.9	25	19	8.3	PH2	1000
FSN-TPR 3.9 x 30 F 1000	**665046**	3.9	30	24	8.3	PH2	1000
FSN-TPR 3.9 x 35 F 1000	**665049**	3.9	35	29	8.3	PH2	1000
FSN-TPR 3.9 x 45 F 1000	**665052**	3.9	45	39	8.3	PH2	1000
FSN-TPR 3.9 x 55 F 500	**665055**	3.9	55	49	8.3	PH2	500



Technical data

Drywall screw belt system FSN-TPRM

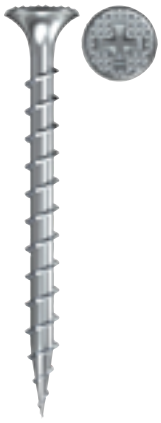


FSN-TPRM collated

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FSN-TPRM 3.5 x 35 F 1000	**665090**	3.5	35	29	8.3	PH2	1000
FSN-TPRM 3.5 x 45 F 1000	**665091**	3.5	45	39	8.3	PH2	1000
FSN-TPRM 3.5 x 55 F 1000	**665092**	3.5	55	49	8.3	PH2	1000

Drywall screw FSN-TP

The gypsum plasterboard screws with trumpet shape head, coarse thread, needle tip and PH cross drive





Applications

- Mounting of gypsum plasterboards on wooden posts

Advantages

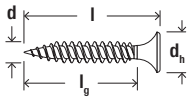
- With its wide product assortment, fischer gypsum plasterboard screws provide just the right solution for a wide range of different drywall structures.
- Thanks to the needle tip, the wooden thread bites quickly and safely.
- The extra deep bit socket ensures a secure hold and thus a longer tool lifetime.
- The gypsum plasterboard screw is blue zinc plated.

Building materials

- Gypsum plasterboards on wooden posts

Functioning

- The gypsum plasterboard screws with trumpet shape head and coarse thread fasten plasterboards to wooden posts easily and safely.



Technical data

Drywall screw FSN-TP



FSN-TP

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FSN-TP 3.5 x 25 ZPF 1000	**040594**	3.5	25	20	8.3	PH2	1000
FSN-TP 3.5 x 32 ZPF 200	**040591**	3.5	32	27	8.3	PH2	200
FSN-TP 3.5 x 32 ZPF 1000	**040595**	3.5	32	27	8.3	PH2	1000
FSN-TP 3.5 x 45 ZPF 200	**040592**	3.5	45	40	8.3	PH2	200
FSN-TP 3.5 x 45 ZPF 500	**040596**	3.5	45	40	8.3	PH2	500
FSN-TP 3.5 x 55 ZPF 100	**040593**	3.5	55	50	8.3	PH2	100
FSN-TP 3.5 x 55 ZPF 500	**040597**	3.5	55	50	8.3	PH2	500
FSN-TP 3.9 x 70 ZPF 250	**040598**	3.9	70	50	8.3	PH2	250

Technical data

Drywall screw belt system FSN-TPM



FSN-TPM

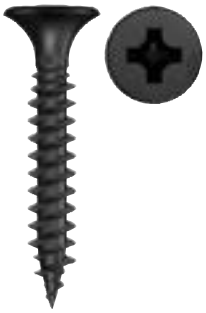


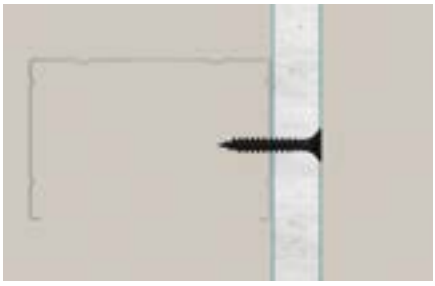
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Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FSN-TPM 3.5 x 25 ZPF 1000	**040606**	3.5	25	20	8.3	PH2	1000
FSN-TPM 3.5 x 32 ZPF 1000	**040607**	3.5	32	27	8.3	PH2	1000
FSN-TPM 3.5 x 41 ZPF 1000	**040609**	3.5	41	36	8.3	PH2	1000
FSN-TPM 3.5 x 45 ZPF 1000	**040608**	3.5	45	40	8.3	PH2	1000
FSN-TPM 3.5 x 55 ZPF 1000	**040610**	3.5	55	50	8.3	PH2	1000

Drywall screw FSN-TPD

The gypsum plasterboard screw with trumpet shape head, fine thread, needle tip and PH cross drive





Applications

- Mounting of gypsum plasterboards on metal profiles

Advantages

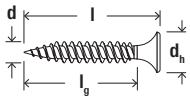
- The fischer gypsum plasterboard screw assortment always offers the right solution for the most diverse drywall constructions.
- Thanks to the needle tip, the metal thread bites quickly and safely.
- The extra deep bit socket ensures a secure hold and thus a longer tool lifetime.
- The screws are phosphate-treated and thus provide the necessary corrosion protection. This makes the screws safe and economical.

Building materials

- Gypsum plasterboards on metal profiles

Functioning

- The gypsum plasterboard screws with trumpet shape head and fine thread fasten plasterboards to metal profiles of up to 0.7 mm thick.



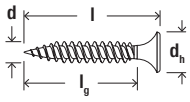
Technical data

Drywall screw FSN-TPD



FSN-TPD

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FSN-TPD 3.5 x 25 F 1000	**040512**	3.5	25	19	8.3	PH2	1000
FSN-TPD 3.5 x 35 F 1000	**665001**	3.5	35	29	8.3	PH2	1000
FSN-TPD 3.5 x 45 F 1000	**665002**	3.5	45	39	8.3	PH2	1000
FSN-TPD 3.5 x 55 F 1000	**665003**	3.5	55	49	8.3	PH2	1000
FSN-TPD 3.9 x 25 F 1000	**665007**	3.9	25	19	8.3	PH2	1000
FSN-TPD 3.9 x 30 F 1000	**665011**	3.9	30	24	8.3	PH2	1000
FSN-TPD 3.9 x 35 F 1000	**665015**	3.9	35	29	8.3	PH2	1000
FSN-TPD 3.9 x 45 F 1000	**665019**	3.9	45	39	8.3	PH2	1000
FSN-TPD 3.9 x 55 F 600	**665022**	3.9	55	49	8.3	PH2	600



Technical data

Drywall screw belt system FSN-TPDM



FSN-TPDM



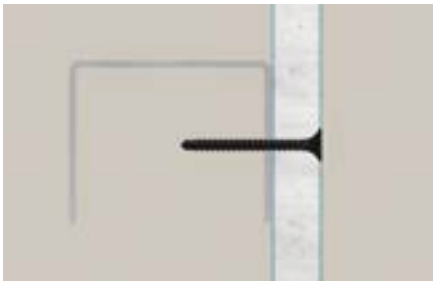
collated

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FSN-TPDM 3.5 x 25 F 1000	**040603**	3.5	25	19	8.3	PH2	1000
FSN-TPDM 3.5 x 35 F 1000	**665088**	3.5	35	29	8.3	PH2	1000
FSN-TPDM 3.5 x 45 F 1000	**665089**	3.5	45	39	8.3	PH2	1000

Drywall screw FSN-TPB

The gypsum plasterboard screws with trumpet shape head, fine thread, drill point and PH cross drive





Applications

- Mounting of gypsum plasterboards on metal profiles

Advantages

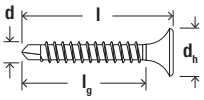
- The fischer gypsum plasterboard screw assortment always offers the right solution for the most diverse drywall constructions.
- The drill point and metal thread ensure a fast and safe drilling process in metal subframe systems.
- The extra deep bit socket ensures a secure hold and thus a longer tool lifetime.
- The screws are phosphate-treated and thus provide the necessary corrosion protection. This makes the screws safe and economical.

Building materials

- Gypsum plasterboards on metal profiles

Functioning

- The gypsum plasterboard screws with trumpet shape head and fine thread fasten plasterboards to metal profiles of up to 2 mm thick.



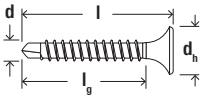
Technical data

Drywall screw FSN-TPB



FSN-TPB

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FSN-TPB 3.5 x 25 F 1000	**040599**	3.5	25	21	8.3	PH2	1000
FSN-TPB 3.5 x 35 F 1000	**665071**	3.5	35	31	8.3	PH2	1000
FSN-TPB 3.5 x 45 F 1000	**665074**	3.5	45	41	8.3	PH2	1000
FSN-TPB 3.5 x 55 F 500	**665077**	3.5	55	51	8.3	PH2	500



Technical data

Drywall screw belt system FSN-TPBM





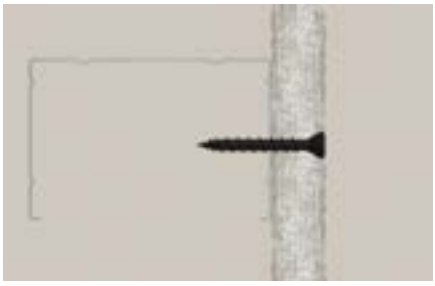
FSN-TPBM collated

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FSN-TPBM 3.5 x 25 F 1000	**040613**	3.5	25	21	8.3	PH2	1000
FSN-TPBM 3.5 x 35 F 1000	**665093**	3.5	35	31	8.3	PH2	1000
FSN-TPBM 3.5 x 45 F 1000	**665094**	3.5	45	41	8.3	PH2	1000

Gypsum fibreboard screw FSN-TPG

The gypsum fibreboard screw (fermacell) with small countersunk head, HiLo thread, needle tip and PH cross drive





Applications

- Mounting of gypsum fibreboards (fermacell) on metal profiles

Advantages

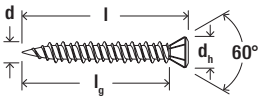
- The fischer gypsum fibreboard screw assortment always offers the right solution for the most diverse drywall constructions.
- The HiLo thread ensures the stable fixing of the gypsum fibreboard and the surface-flush sinking of the head.
- Thanks to the needle tip, the metal thread bites quickly and safely.
- The extra deep bit socket ensures a secure hold and thus a longer tool lifetime.

Building materials

- Gypsum fibreboards (fermacell) on metal profiles

Functioning

- The gypsum fibreboard screws with 60° countersunk head and fine thread are for fixing gypsum fibreboard to metal profiles with a thickness of up to 0.7 mm without pre-drilling.



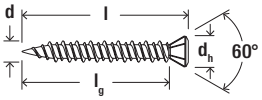
Technical data

Gypsum fibreboard screw mit HiLo-Gewinde FSN-TPG (fermacell)



FSN-TPG (fermacell)

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FSN-TPG 3.9 x 19 F 1000	**665095**	3.9	19	13	6.8	PH2	1000
FSN-TPG 3.9 x 22 F 1000	**665081**	3.9	22	16	6.8	PH2	1000
FSN-TPG 3.9 x 30 F 1000	**665098**	3.9	30	24	6.8	PH2	1000
FSN-TPG 3.9 x 35 F 1000	**665084**	3.9	35	29	6.8	PH2	1000
FSN-TPG 3.9 x 41 F 500	**040459**	3.9	41	35	6.8	PH2	500
FSN-TPG 3.9 x 45 F 1000	**665101**	3.9	45	39	6.8	PH2	1000
FSN-TPG 3.9 x 55 F 600	**665087**	3.9	55	49	6.8	PH2	600



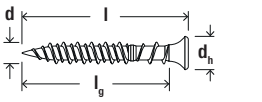
Technical data

Gypsum fibreboard screw mit HiLo-Gewinde belt system FSN-TPGM (fermacell)



FSN-TPGM (fermacell) collated

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FSN-TPGM 3.9 x 30 F 1000	**665103**	3.9	30	24	6.8	PH2	1000
FSN-TPGM 3.9 x 45 F 1000	**665104**	3.9	45	39	6.8	PH2	1000



Technical data

Gypsum fibreboard screw mit HiLo-Gewinde belt system FSN-TPGM



FSN-TPGM collated

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FSN-TPGM 3.9 x 32 F 1000	**040611**	3.9	32	27	6.8	PH2	1000
FSN-TPGM 3.9 x 41 F 1000	**040612**	3.9	41	35	6.8	PH2	1000

Profile connection screw FPS-FP / FPB

The profile connection screws with mushroom head and PH cross drive







Applications

- Connection of metal profiles in dry construction

Advantages

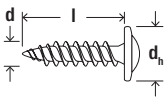
- The metal thread bites quickly and safely.
- The wide mushroom head generates the pressure to ensure the pulling together of the metal carriers.

Building materials

- Metal profiles on metal profiles

Functioning

- The profile connection screw with mushroom head and fine thread is for the connection of metal profiles with a thickness of up to 0.9 mm.



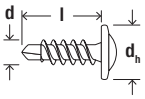
Technical data

Profile connector screw FPS-FP ZPF



FPS-FP ZPF

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
FPS-FP 4.2 x 13 ZPF 1000	**040456**	4.2	13	13	9.6	PH2	1000



Technical data

Profile connector screw FPS-FPB ZPF



FPS-FPB ZPF

	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Sales unit [pcs]
Item							
FPS-FPB 4.2 x 13 ZPF 1000	**040457**	4.2	13	13	9.6	PH2	1000


fischer
ClassicFast FSP II 110x
PZ2,3
4,0x40
4,5x50
5,0x60
5,0x70
6,0x80
562281
FIXtainer

10
DIY assortment

DIY-Boxes chipboard screws Powerfast FPF A2	199	
DIY-Boxes chipboard screws PowerFast FPF II BC	202	
Chipboard screws PowerFast FPF II CTP BC	206	
Screw boxes	209	

DIY-Boxes Powerfast FPF A2

Chipboard screws with countersunk head



Applications

- General wood joints
- Safety-relevant applications
- Plankings
- Door and metal fittings

Advantages

- The unique PowerFast thread reaches into the screw tip and ensures a fast bite. This makes your work noticeably easier with all wood materials.
- The shank ribs (for screws with partial thread from 50 mm in length and up) substantially reduce drive-in resistance and thus enable greater power and battery conservation in your work.
- The optimised head geometry enables an exact and splinter-free surface finish without the screw twisting off, even with connections close to the edge.
- The underhead milled ribbing ensures an attractive surface finish.
- The high-performance easy-glide coating reduces friction and accelerates the screwing process.
- The ETA approval guarantees the high safety standard and the premium quality of fischer PowerFast screws.

Certificates

ETA CE Inox Stainless Steel

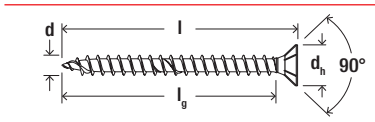
ETA-11/0027, for timber constructions

Building materials

- Glued-laminated timber
- Cross-laminated timber
- Laminated veneer plywood panels (e.g. Multiplex)
- Hard woods (pre-drilled)
- Chipboards and oriented strand boards (e.g. OSB panels)
- Plywood
- Solid wood panels
- Soft woods
- And many other wood materials

Functioning

- PowerFast-screws are recommended for mounting thin parts and in less firm wood materials (e.g. soft woods).
- Screws with countersunk head can be flush mounted with the wood.



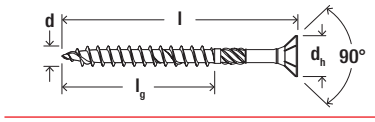
Technical data

DIY-Box Chipboard screw stainless steel FPF-ST A2F



FPF-ST A2F

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Contents [pcs.]	Sales unit [pcs]
FPF-ST 3.0 x 12 A2F 40	**560645**	●	3.0	12	8	6.0	TX10	40	1
FPF-ST 3.0 x 16 A2F 40	**560646**	●	3.0	16	12	6.0	TX10	40	1
FPF-ST 3.0 x 20 A2F 25	**560647**	●	3.0	20	16	6.0	TX10	25	1
FPF-ST 3.0 x 25 A2F 25	**560648**	●	3.0	25	21	6.0	TX10	25	1
FPF-ST 3.5 x 16 A2F 25	**560649**	●	3.5	16	12	7.0	TX10	25	1
FPF-ST 3.5 x 20 A2F 20	**560650**	●	3.5	20	16	7.0	TX10	20	1
FPF-ST 3.5 x 25 A2F 20	**560651**	●	3.5	25	21	7.0	TX10	20	1
FPF-ST 3.5 x 30 A2F 20	**560652**	●	3.5	30	26	7.0	TX10	20	1
FPF-ST 4.0 x 30 A2F 15	**560653**	●	4.0	30	26	8.0	TX20	15	1
FPF-ST 4.0 x 35 A2F 12	**560654**	●	4.0	35	31	8.0	TX20	12	1



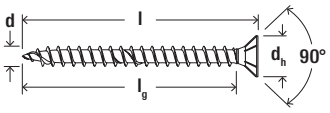
Technical data

DIY-Box Chipboard screw stainless steel FPF-ST A2P



FPF-ST A2P

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Contents [pcs.]	Sales unit [pcs]
FPF-ST 4.0 x 40 A2P 12	**560655**	●	4.0	40	28	8.0	TX20	12	1
FPF-ST 4.0 x 40 A2P 25	**657483**	●	4.0	40	24	8.0	TX20	25	1
FPF-ST 4.5 x 40 A2P 12	**560656**	●	4.5	40	28	8.8	TX20	12	1
FPF-ST 4.5 x 50 A2P 10	**560657**	●	4.5	50	30	8.8	TX20	10	1
FPF-ST 4.5 x 60 A2P 8	**560658**	●	4.5	60	36	8.8	TX20	8	1
FPF-ST 5.0 x 40 A2P 10	**560659**	●	5.0	40	28	9.8	TX20	10	1
FPF-ST 5.0 x 40 A2P 25	**657494**	●	5.0	40	24	10.0	TX20	25	1
FPF-ST 5.0 x 50 A2P 25	**657496**	●	5.0	50	30	10.0	TX20	25	1
FPF-ST 5.0 x 60 A2P 8	**560660**	●	5.0	60	36	9.8	TX20	8	1



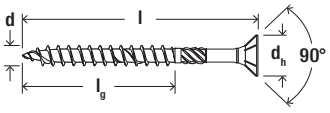
Technical data

DIY-Box Chipboard screw stainless steel FPF-SZ A2F



FPF-SZ A2F

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Contents [pcs.]	Sales unit [pcs]
FPF-SZ 3.5 x 20 A2F 20	**561685**	3.5	20	16	7.0	PZ2	20	1
FPF-SZ 3.5 x 25 A2F 25	**561686**	3.5	25	21	7.0	PZ2	25	1
FPF-SZ 4.0 x 30 A2F 15	**561687**	4.0	30	26	8.0	PZ2	15	1



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Technical data

DIY-Box Chipboard screw stainless steel FPF-SZ A2P



FPF-SZ A2P

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Contents [pcs.]	Sales unit [pcs]
FPF-SZ 4.0 x 40 A2P 15	**561688**	4.0	40	28	8.0	PZ2	15	1
FPF-SZ 4.0 x 50 A2P 15	**561689**	4.0	50	30	8.0	PZ2	15	1
FPF-SZ 4.5 x 60 A2P 10	**657471**	4.5	60	36	8.8	PZ2	10	1
FPF-SZ 5.0 x 60 A2P 10	**657472**	5.0	60	36	9.8	PZ2	10	1
FPF-SZ 5.0 x 60 A2P 15	**561690**	4.0	60	36	9.8	PZ2	15	1

DIY-Boxes PowerFast FPF II BC

The chipboard screw with countersunk head, cross drive PZ



Applications

- For use in load-bearing wooden constructions, for the connection of solid wood parts as well as glued laminated timber, cross laminated timber, etc.
- For metal parts to wood, e.g. metal fittings, angles, beam shoes and other metal and wood connections.
- Suitable for use with fischer plugs and recommended loads.

Advantages

- The screw geometry of the PowerFast II enables fast applications.
- Installation is easy, comfortable and flexible.
- The chipboard screw has significantly reduced splitting behavior in comparison with standard chipboard screws.
- The PowerFast II with high performance wax coating reduces screw-in torque and allows smooth installation.
- The blue passivated zinc plating does not contain chrome VI and is therefore environmentally friendly.

Certificates

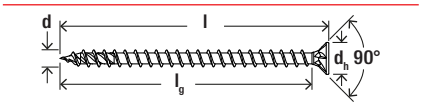
ETA-19/0175, for timber constructions

Building materials

- Solid wood parts (soft wood and hard wood)
- Glued-laminated timber
- Cross-laminated timber
- Veneer laminated timber
- Similar glued wood components and woodbased panels

Functioning

- PowerFast II screws are recommended for mounting thin parts and in less firm wood materials (e.g. soft woods).
- Screws with countersunk head can be flush mounted with the wood.



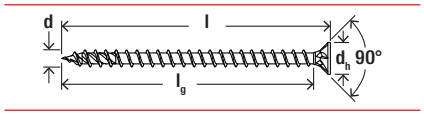
Technical data

DIY-Box Chipboard screw PowerFast FPF II CZF BC



FPF II CZF BC

Item	Item no.	Ap-pro-val ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Contents [pcs.]	Sales unit [pcs]
FPF II CZF 3.0 x 12 BC 40	557473	●	3.0	12	8	6.0	PZ1	40	1
FPF II CZF 3.0 x 12 BC 100	557517	●	3.0	12	8	6.0	PZ1	100	1
FPF II CZF 3.0 x 16 BC 40	557474	●	3.0	16	12	6.0	PZ1	40	1
FPF II CZF 3.0 x 16 BC 100	557518	●	3.0	16	12	6.0	PZ1	100	1
FPF II CZF 3.0 x 20 BC 25	557475	●	3.0	20	16	6.0	PZ1	25	1
FPF II CZF 3.0 x 20 BC 100	557519	●	3.0	20	16	6.0	PZ1	100	1
FPF II CZF 3.0 x 25 BC 25	557476	●	3.0	25	21	6.0	PZ1	25	1
FPF II CZF 3.0 x 25 BC 100	557520	●	3.0	25	21	6.0	PZ1	100	1
FPF II CZF 3.0 x 30 BC 25	557477	●	3.0	30	26	6.0	PZ1	25	1
FPF II CZF 3.0 x 30 BC 80	557521	●	3.0	30	26	6.0	PZ1	8	1
FPF II CZF 3.0 x 35 BC 15	557478	●	3.0	35	31	6.0	PZ1	15	1
FPF II CZF 3.0 x 35 BC 70	557522	●	3.0	35	31	6.0	PZ1	70	1
FPF II CZF 3.5 x 16 BC 25	557480	●	3.5	16	12	7.0	PZ2	25	1
FPF II CZF 3.5 x 16 BC 90	557524	●	3.5	16	12	7.0	PZ2	90	1
FPF II CZF 3.5 x 20 BC 20	557481	●	3.5	20	16	7.0	PZ2	20	1
FPF II CZF 3.5 x 20 BC 90	557525	●	3.5	20	16	7.0	PZ2	90	1
FPF II CZF 3.5 x 25 BC 20	557482	●	3.5	25	21	7.0	PZ2	20	1
FPF II CZF 3.5 x 25 BC 90	557526	●	3.5	25	21	7.0	PZ2	90	1
FPF II CZF 3.5 x 30 BC 20	557483	●	3.5	30	26	7.0	PZ2	20	1
FPF II CZF 3.5 x 30 BC 90	557528	●	3.5	30	26	7.0	PZ2	90	1
FPF II CZF 3.5 x 35 BC 15	557484	●	3.5	35	31	7.0	PZ2	15	1
FPF II CZF 3.5 x 35 BC 60	557529	●	3.5	35	31	7.0	PZ2	60	1
FPF II CZF 4.0 x 16 BC 25	557487	●	4.0	16	12	8.0	PZ2	25	1
FPF II CZF 4.0 x 16 BC 80	557534	●	4.0	16	12	8.0	PZ2	8	1
FPF II CZF 4.0 x 20 BC 20	557488	●	4.0	20	16	8.0	PZ2	20	1
FPF II CZF 4.0 x 20 BC 80	557537	●	4.0	20	16	8.0	PZ2	8	1
FPF II CZF 4.0 x 25 BC 15	557489	●	4.0	25	21	8.0	PZ2	15	1
FPF II CZF 4.0 x 25 BC 60	557538	●	4.0	25	21	8.0	PZ2	60	1
FPF II CZF 4.0 x 30 BC 15	557490	●	4.0	30	26	8.0	PZ2	15	1
FPF II CZF 4.0 x 30 BC 60	557539	●	4.0	30	26	8.0	PZ2	60	1
FPF II CZF 4.0 x 35 BC 12	557491	●	4.0	35	31	8.0	PZ2	12	1
FPF II CZF 4.0 x 35 BC 50	557542	●	4.0	35	31	8.0	PZ2	50	1
FPF II CZF 4.0 x 40 BC 12	557492	●	4.0	40	35	8.0	PZ2	12	1
FPF II CZF 4.0 x 40 BC 50	557543	●	4.0	40	35	8.0	PZ2	50	1
FPF II CZF 4.0 x 50 BC 12	557494	●	4.0	50	45	8.0	PZ2	12	1
FPF II CZF 4.0 x 50 BC 40	557545	●	4.0	50	45	8.0	PZ2	40	1
FPF II CZF 4.5 x 25 BC 15	557497	●	4.5	25	21	8.8	PZ2	15	1
FPF II CZF 4.5 x 25 BC 50	557548	●	4.5	25	21	8.8	PZ2	50	1
FPF II CZF 4.5 x 30 BC 12	557498	●	4.5	30	26	8.8	PZ2	12	1
FPF II CZF 4.5 x 30 BC 50	557549	●	4.5	30	26	8.8	PZ2	50	1
FPF II CZF 4.5 x 35 BC 12	557499	●	4.5	35	31	8.8	PZ2	12	1
FPF II CZF 4.5 x 35 BC 40	557550	●	4.5	35	31	8.8	PZ2	40	1
FPF II CZF 4.5 x 40 BC 12	557500	●	4.5	40	35	8.8	PZ2	12	1
FPF II CZF 4.5 x 40 BC 40	557551	●	4.5	40	35	8.8	PZ2	40	1
FPF II CZF 4.5 x 45 BC 10	557501	●	4.5	45	40	8.8	PZ2	10	1
FPF II CZF 4.5 x 45 BC 30	557552	●	4.5	45	40	8.8	PZ2	30	1
FPF II CZF 4.5 x 50 BC 10	557502	●	4.5	50	45	8.8	PZ2	10	1
FPF II CZF 4.5 x 50 BC 30	557553	●	4.5	50	45	8.8	PZ2	30	1
FPF II CZF 5.0 x 20 BC 10	557505	●	5.0	20	16	9.8	PZ2	10	1
FPF II CZF 5.0 x 20 BC 40	557557	●	5.0	20	16	9.8	PZ2	40	1



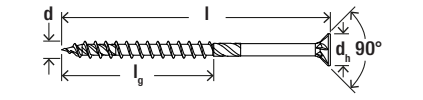
Technical data

DIY-Box Chipboard screw PowerFast FPF II CZF BC



FPF II CZF BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Contents [pcs.]	Sales unit [pcs]
FPF II CZF 5.0 x 25 BC 10	557506	●	5.0	25	21	9.8	PZ2	10	1
FPF II CZF 5.0 x 25 BC 40	557558	●	5.0	25	21	9.8	PZ2	40	1
FPF II CZF 5.0 x 30 BC 10	557507	●	5.0	30	26	9.8	PZ2	10	1
FPF II CZF 5.0 x 30 BC 30	557559	●	5.0	30	26	9.8	PZ2	30	1
FPF II CZF 5.0 x 35 BC 10	557508	●	5.0	35	31	9.8	PZ2	10	1
FPF II CZF 5.0 x 35 BC 30	557560	●	5.0	35	31	9.8	PZ2	30	1
FPF II CZF 5.0 x 40 BC 10	557509	●	5.0	40	35	9.8	PZ2	10	1
FPF II CZF 5.0 x 40 BC 30	557561	●	5.0	40	35	9.8	PZ2	30	1
FPF II CZF 5.0 x 45 BC 8	557510	●	5.0	45	40	9.8	PZ2	8	1
FPF II CZF 5.0 x 45 BC 20	557562	●	5.0	45	40	9.8	PZ2	20	1
FPF II CZF 5.0 x 50 BC 8	557511	●	5.0	50	45	9.8	PZ2	8	1
FPF II CZF 5.0 x 50 BC 20	557563	●	5.0	50	45	9.8	PZ2	20	1
FPF II CZF 5.0 x 60 BC 8	557512	●	5.0	60	54	9.8	PZ2	8	1
FPF II CZF 5.0 x 60 BC 20	557565	●	5.0	60	54	9.8	PZ2	20	1
FPF II CZF 6.0 x 60 BC 6	557515	●	6.0	60	54	12.0	PZ2	6	1
FPF II CZF 6.0 x 60 BC 16	557568	●	6.0	60	54	12.0	PZ2	16	1



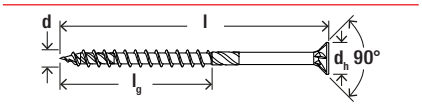
Technical data

DIY-Box Chipboard screw PowerFast FPF II CZP BC



FPF II CZP BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Contents [pcs.]	Sales unit [pcs]
FPF II CZP 3.0 x 40 BC 15	557479	●	3.0	40	35	6.0	PZ1	15	1
FPF II CZP 3.0 x 40 BC 50	557523	●	3.0	40	35	6.0	PZ1	50	1
FPF II CZP 3.5 x 40 BC 15	557485	●	3.5	40	35	7.0	PZ2	15	1
FPF II CZP 3.5 x 40 BC 60	557532	●	3.5	40	35	7.0	PZ2	60	1
FPF II CZP 3.5 x 45 BC 20	561660	●	3.5	45	30	7.0	PZ2	20	1
FPF II CZP 3.5 x 50 BC 10	557486	●	3.5	50	30	7.0	PZ2	10	1
FPF II CZP 3.5 x 50 BC 30	557533	●	3.5	50	30	7.0	PZ2	30	1
FPF II CZP 4.0 x 35 BC 15	561664	●	4.0	35	24	8.0	PZ2	15	1
FPF II CZP 4.0 x 40 BC 15	561665	●	4.0	40	28	8.0	PZ2	15	1
FPF II CZP 4.0 x 45 BC 12	557493	●	4.0	45	30	8.0	PZ2	12	1
FPF II CZP 4.0 x 45 BC 40	557544	●	4.0	45	30	8.0	PZ2	40	1
FPF II CZP 4.0 x 50 BC 15	561666	●	4.0	50	30	8.0	PZ2	15	1
FPF II CZP 4.0 x 60 BC 6	557495	●	4.0	60	36	8.0	PZ2	6	1
FPF II CZP 4.0 x 60 BC 20	557546	●	4.0	60	36	8.0	PZ2	20	1
FPF II CZP 4.0 x 70 BC 6	557496	●	4.0	70	42	8.0	PZ2	6	1
FPF II CZP 4.0 x 70 BC 16	557547	●	4.0	70	42	8.0	PZ2	16	1
FPF II CZP 4.5 x 40 BC 15	561670	●	4.5	40	28	8.8	PZ2	15	1



Technical data

DIY-Box Chipboard screw PowerFast FPF II CZP BC



FPF II CZP BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Contents [pcs.]	Sales unit [pcs]
FPF II CZP 4.5 x 50 BC 15	561671	●	4.5	50	30	8.8	PZ2	15	1
FPF II CZP 4.5 x 60 BC 8	557503	●	4.5	60	36	8.8	PZ2	8	1
FPF II CZP 4.5 x 60 BC 20	557554	●	4.5	60	36	8.8	PZ2	20	1
FPF II CZP 4.5 x 70 BC 6	557504	●	4.5	70	42	8.8	PZ2	6	1
FPF II CZP 4.5 x 70 BC 16	557556	●	4.5	70	42	8.8	PZ2	16	1
FPF II CZP 5.0 x 40 BC 15	561675	●	5.0	40	28	8.0	PZ2	15	1
FPF II CZP 5.0 x 50 BC 10	561676	●	5.0	50	30	9.8	PZ2	10	1
FPF II CZP 5.0 x 60 BC 10	561677	●	5.0	60	36	9.8	PZ2	10	1
FPF II CZP 5.0 x 70 BC 6	557513	●	5.0	70	42	9.8	PZ2	6	1
FPF II CZP 5.0 x 70 BC 16	557566	●	5.0	70	42	9.8	PZ2	16	1
FPF II CZP 6.0 x 50 BC 6	557514	●	6.0	50	30	12.0	PZ2	6	1
FPF II CZP 6.0 x 50 BC 10	561681	●	6.0	50	30	12.0	PZ2	10	1
FPF II CZP 6.0 x 50 BC 16	557567	●	6.0	50	30	12.0	PZ2	16	1
FPF II CZP 6.0 x 70 BC 6	557516	●	6.0	70	42	12.0	PZ2	6	1
FPF II CZP 6.0 x 70 BC 8	557569	●	6.0	70	42	12.0	PZ2	8	1
FPF II CZP 6.0 x 60 BC 10	561682	●	6.0	60	36	12.0	PZ2	10	1

Technical data

DIY-Box Chipboard screw PowerFast FPF II PZF BC



FPF II PZF BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Contents [pcs.]	Sales unit [pcs]
FPF II PZF 3.0 x 12 BC 40	560661	●	3.0	12	8	6.0	PZ1	40	1
FPF II PZF 3.0 x 16 BC 40	560662	●	3.0	16	12	6.0	PZ2	40	1
FPF II PZF 3.0 x 30 BC 25	560663	●	3.0	30	26	6.0	PZ3	25	1
FPF II PZF 4.0 x 20 BC 20	560664	●	4.0	20	16	8.0	PZ2	20	1
FPF II PZF 4.0 x 25 BC 15	560665	●	4.0	25	19	8.0	PZ2	15	1
FPF II PZF 4.0 x 30 BC 15	560666	●	4.0	30	26	8.0	PZ2	15	1
FPF II PZF 4.0 x 35 BC 12	560667	●	4.0	35	31	8.0	PZ2	12	1
FPF II PZF 4.0 x 40 BC 12	560668	●	4.0	40	35	8.0	PZ2	12	1
FPF II PZF 4.5 x 25 BC 15	560669	●	4.5	25	19	8.8	PZ2	15	1
FPF II PZF 4.5 x 30 BC 12	560670	●	4.5	30	26	8.8	PZ2	12	1
FPF II PZF 4.5 x 35 BC 12	560671	●	4.5	35	31	8.8	PZ2	12	1
FPF II PZF 4.5 x 40 BC 12	560672	●	4.5	40	35	8.8	PZ2	12	1
FPF II PZF 4.5 x 50 BC 10	560673	●	4.5	50	45	8.8	PZ2	10	1
FPF II PZF 5.0 x 40 BC 10	560674	●	5.0	40	35	9.8	PZ2	10	1
FPF II PZF 5.0 x 50 BC 8	560675	●	5.0	50	45	9.8	PZ2	8	1
FPF II PZF 5.0 x 60 BC 8	560676	●	5.0	60	54	9.8	PZ2	8	1

PowerFast FPF II CTP BC

The chipboard screw with countersunk head, TX recess and partial thread



Applications

- For use in load-bearing wooden constructions, for the connection of solid wood parts as well as glued laminated timber, cross laminated timber, etc.
- For metal parts to wood, e.g. metal fittings, angles, beam shoes and other metal and wood connections.
- Suitable for use with fischer plugs and recommended loads.

Advantages

- The screw geometry of the PowerFast II enables fast applications.
- Installation is easy, comfortable and flexible.
- The chipboard screw has significantly reduced splitting behavior in comparison with standard chipboard screws.
- The PowerFast II with high performance wax coating reduces screw-in torque and allows smooth installation.
- The blue passivated zinc plating does not contain chrome VI and is therefore environmentally friendly.

Certificates

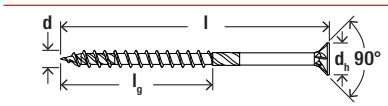
ETA-19/0175, for timber constructions

Building materials

- Solid wood parts (soft wood and hard wood)
- Glued-laminated timber
- Cross-laminated timber
- Veneer laminated timber
- Similar glued wood components and woodbased panels

Functioning

- Screws with partial threads can lock wood parts into place by tightening them against each other.
- Screws with countersunk head can be flush mounted with the wood.



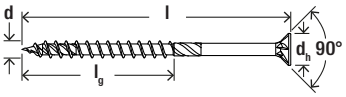
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Chipboard screw PowerFast FPF II CTP BC in bucket



FPF II CTP BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Contents [pcs.]	Sales unit [pcs]
FPF II CTP 5.0 x 70 BC 600 Bucket	670707	●	5.0	70	42	9.8	TX20	600	1
FPF II CTP 5.0 x 80 BC 600 Bucket	670709	●	5.0	80	45	9.8	TX20	600	1
FPF II CTP 5.0 x 90 BC 600 Bucket	670711	●	5.0	90	54	9.8	TX20	600	1



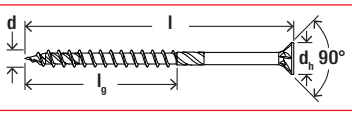
ø 5,0

Chipboard screw PowerFast FPF II CTP BC in bucket



FPF II CTP BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Contents [pcs.]	Sales unit [pcs]
FPF II CTP 5.0 x 100 BC 600 Bucket	670705	●	5.0	100	60	9.8	TX20	600	1



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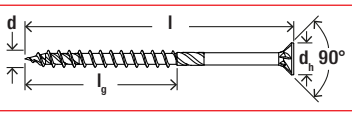
Technical data

Chipboard screw PowerFast FPF II CTP BZ in bucket



FPF II CTP BZ

Item	Item no.	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Contents [pcs.]	Sales unit [pcs]
FPF II CTP 5.0 x 70 BZ 600 Bucket	670708	5.0	70	42	9.8	TX20	600	1
FPF II CTP 5.0 x 80 BZ 600 Bucket	670710	5.0	80	45	9.8	TX20	600	1
FPF II CTP 5.0 x 90 BZ 600 Bucket	670712	5.0	90	54	9.8	TX20	600	1
FPF II CTP 5.0 x 100 BZ 600 Bucket	670706	5.0	100	60	9.8	TX20	600	1
FPF II CTP 6.0 x 90 BZ 600 Bucket	670713	6.0	90	54	12.0	TX30	600	1
FPF II CTP 6.0 x 120 BZ 400 Bucket	670714	6.0	120	70	12.0	TX30	400	1



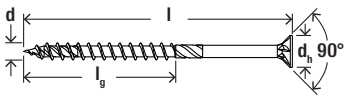
Technical data

Chipboard screw Poweerfast FPF II CT25P BZ in bucket



FPF II CTP BZ

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Contents [pcs.]	Sales unit [pcs]
FPF II CT25P 5.0 x 70 BZ 600 Bucket	670700	●	5.0	70	42	9.8	TX25	600	1
FPF II CT25P 5.0 x 70 BZ 1000 Bucket	563733	●	5.0	70	42	9.8	TX25	1,000	1
FPF II CT25P 5.0 x 80 BZ 600 Bucket	670702	●	5.0	80	45	9.8	TX25	600	1
FPF II CT25P 5.0 x 90 BZ 600 Bucket	670704	●	5.0	90	54	9.8	TX25	600	1
FPF II CT25P 5.0 x 100 BZ 600 Bucket	670698	●	5.0	100	60	9.8	TX25	600	1
FPF II CT25P 5.0 x 120 BZ 400 Bucket	562000	●	5.0	120	70	9.8	TX25	400	1



Ø 5.0

Chipboard screw PowerFast FPF II CT25P BC in bucket



FPF II CTP BC

Item	Item no.	Approval ETA	Diameter d [mm]	Length l [mm]	Thread length l_g [mm]	Head-ø d_k [mm]	Drive	Contents [pcs.]	Sales unit [pcs]
FPF II CT25P 5.0 x 70 BC 600 Bucket	**670699**	●	5.0	70	42	9.8	TX25	600	1
FPF II CT25P 5.0 x 70 BC 1000 Bucket	**563734**	●	5.0	70	42	9.8	TX25	1,000	1
FPF II CT25P 5.0 x 80 BC 600 Bucket	**670701**	●	5.0	80	45	9.8	TX25	600	1
FPF II CT25P 5.0 x 90 BC 600 Bucket	**670703**	●	5.0	90	54	9.8	TX25	600	1
FPF II CT25P 5.0 x 100 BC 600 Bucket	**670697**	●	5.0	100	60	9.8	TX25	600	1

Screw boxes

Selected screw assortments for secure fastening in wood



Technical data

Assortment boxes PowerFast II FixTainer




FixTainer FPF II PZ


FixTainer FPF II TX

Item	Item no.	Contents	Sales unit [pcs]
FixTainer PowerFast II TX partial thread	**562272**	150 x FPF II CTP 4.0 x 35 BC 100 x FPF II CTP 4.0 x 40 BC 100 x FPF II CTP 4.5 x 45 BC 75 x FPF II CTP 4.5 x 50 BC 50 x FPF II CTP 5.0 x 60 BC 50 x FPF II CTP 5.0 x 70 BC 2 x FPB T 20 ProfiBit W 10	1
FixTainer PowerFast II TX full thread	**562273**	200 x FPF II CTF 3.5 x 16 BC 200 x FPF II CTF 3.5 x 30 BC 100 x FPF II CTF 4.0 x 35 BC 100 x FPF II CTF 4.0 x 40 BC 50 x FPF II CTF 4.0 x 50 BC 50 x FPF II CTF 5.0 x 60 BC 2 x FPB T 20 ProfiBit W 10	1
FixTainer PowerFast II PZ	**562277**	200 x FPF II CZF 3.5 x 16 BC 200 x FPF II CZF 3.5 x 30 BC 100 x FPF II CZF 4.0 x 35 BC 100 x FPF II CZF 4.0 x 40 BC 50 x FPF II CZP 4.0 x 60 BC 50 x FPF II CZP 5.0 x 50 BC 2 x FPB PZ2 ProfiBit	1
FixTainer PowerFast II TX	**562928**	200 x FPF II CTF 3.5 x 16 BC 200 x FPF II CTF 3.5 x 30 BC 100 x FPF II CTF 4.0 x 35 BC 100 x FPF II CTP 4.0 x 40 BC 50 x FPF II CTP 4.0 x 50 BC 50 x FPF II CTP 5.0 x 60 BC 2 x FPB T 20 ProfiBit W 10	1

Technical data

Assortment boxes PowerFast II ProfiBox


Profibox FPF II TX


FPF II TX PH


FPF II TX


FPF II PZ

Item	Item no.	Contents	Sales unit [pcs]
Profi-Box PowerFast II TX partial thread	**562274**	20 x FPF II CTP 4.5 x 45 BC 20 x FPF II CTP 4.5 x 50 BC 30 x FPF II CTP 5,0 x 70 BC 20 x FPF II CTP 5.0 x 80 BC 20 x FPF II CTP 5.0 x 100 BC	1
Profi-Box PowerFast II TX PanHead	**562275**	20 x FPF II PTF 4.5 x 40 BC 20 x FPF II PTF 4.5 x 50 BC 30 x FPF II PTF 5.0 x 60 BC 20 x FPF II PTF 5.0 x 70 BC 20 x FPF II PTF 6.0 x 60 BC	1
Profi-Box PowerFast II TX	**562929**	40 x FPF II CZF 3.5 x 16 BC 40 x FPF II CZF 3.5 x 30 BC 60 x FPF II CZF 4.0 x 40 BC 40 x FPF II CZP 4.5 x 60 BC 40 x FPF II CZP 5.0 x 60 BC 2 x FPB T 20 ProfiBit W 10	1
Profi-Box PowerFast II PZ	**562279**	40 x FPF II CZF 3.5 x 16 BC 40 x FPF II CZF 3.5 x 30 BC 60 x FPF II CZF 4.0 x 40 BC 40 x FPF II CZP 4.5 x 60 BC 40 x FPF II CZP 5.0 x 60 BC	1

Technical data

Assortment boxes ClassicFast ProfiBox


Profibox FSP II TX


Profibox FSP II TX


Profibox FSP II PZ


Profibox FSP II PZ

Item	Item no.	Contents	Sales unit [pcs]
Profi-Box ClassicFast FSP II TX partial thread 4.5 - 5.0	**562276**	20 x FSP II CTP 4.5 x 45 BC 20 x FSP II CTP 4.5 x 50 BC 30 x FSP II CTP 5.0 x 60 BC 20 x FSP II CTP 5.0 x 80 BC 20 x FSP II CTP 5.0 x 100 BC	1
Profi-Box ClassicFast FSP II TX partial thread 4.0 - 6.0	**562280**	20 x FSPII CTP 4.0 x 40 BC 20 x FSPII CTP 4.5 x 50 BC 30 x FSPII CTP 5.0 x 60 BC 20 x FSPII CTP 5.0 x 70 BC 20 x FSPII CTP 6.0 x 80 BC	1
Profi-Box Screw FSP II PZ partial thread 4.5 - 5.0	**562278**	20 x FSP II CZP 4.5 x 45 YC 20 x FSP II CZP 4.5 x 50 YC 30 x FSP II CZP 5.0 x 60 YC 20 x FSP II CZP 5.0 x 80 YC 20 x FSP II CZP 5.0 x 100 YC	1
Profi-Box ClassicFast FSP II PZ partial thread 4.0 - 6.0	**562281**	20 x FSP II CZP 4.0 x 40 YC 20 x FSP II CZP 4.5 x 50 YC 30 x FSP II CZP 5.0 x 60 YC 20 x FSP II CZP 5.0 x 70 YC 20 x FSP II CZP 6.0 x 80 YC	1

Technical data

Assortment boxes MiniFixTainer




PowerFast FPF II

	Item no.	Contents	Sales unit [pcs]
Item			
Mini FixTainer PowerFast II - BC	**560094**	40 x FPF II CTP 3.5 x 30 BC, 25 x FPF II PTF 4.0 x 40 BC, 25 x FPF II CTP 4.0 x 50 BC, 20 x FPF II CTP 4.5 x 60 BC, 15 x FPF II CTP 5.0 x 80 BC.	1
Mini FixTainer DuoPower with screws	**560097**	30 x Dübel DuoPower 6 x 30 20 x Dübel DuoPower 8 x 40 15 x FPF II PTF 4.5 x 40 BC 15 x FPF II CTP 4.5 x 50 BC 15 x FPF II CTP 5.0 x 60 BC	1

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Technical data

Assortment boxes L-BOXX





PowerFast FPF II 102 PowerFast FPF II 102 PH PowerFast FPF II 238

	Item no.	Ap-pro-val ETA	Contents	Sales unit [pcs]
Item				
L-BOXX 102 PowerFast II	**558739**	●	200 x FPF II CTF 3.0 x 20 BC, 200 x FPF II CTF 3.0 x 30 BC, 200 x FPF II CTF 3.5 x 40 BC, 200 x FPF II CTF 4.0 x 20 BC, 200 x FPF II CTF 4.0 x 30 BC, 200 x FPF II CTF 4.0 x 40 BC, 200 x FPF II CTP 4.0 x 50 BC, 100 x FPF II CTP 4.0 x 60 BC, 100 x FPF II CTP 5.0 x 60 BC, 100 x FPF II CTP 5.0 x 70 BC, 100 x FPF II CTP 6.0 x 80 BC, 1 x ProfiBit Set FPB (10)	1
L-BOXX 102 PowerFast II PH	**568480**	●	200 x FPF II PTF 3.0 x 30 BC, 200 x FPF II PTF 3.5 x 35 BC, 200 x FPF II PTF 4.0 x 30 BC, 200 x FPF II PTF 4.0 x 40 BC, 150 x FPF II PTF 4.0 x 50 BC, 200 x FPF II PTF 4.5 x 30 BC, 200 x FPF II PTF 4.5 x 40 BC, 150 x FPF II PTF 4.5 x 50 BC, 100 x FPF II PTF 5.0 x 50 BC, 100 x FPF II PTF 5.0 x 60 BC, 100 x FPF II PTF 6.0 x 60 BC, 1 x ProfiBit Set FPB (10)	1
L-BOXX 238 PowerFast II	**560090**	●	1.000 x FPF II CTP 4.0 x 45 BC, 800 x FPF II CTP 4.5 x 50 BC, 800 x FPF II CTP 4.5 x 60 BC, 800 x FPF II CTP 4.5 x 70 BC, 1 x ProfiBit Set FPB (31)	1


PH 2

11
Bits

Bit FMB II	215	
ProfiBit FPB	216	
BitHolder FBH	217	
BitSets	218	

Bit FMB II

Bit for the ultimate power transmission



Advantages

- The ultimate solution for high torques. Ideal for use in powerful drill and impact wrenches.
- The elastic torsion zone releases at extreme loads to ensure a gentle working and maximum operating efficiency.
- Optimal profile geometry ensures unparalleled performance and durability for demanding applications.
- Flared profile neck for improved fixation in screws allows rotation-free assembly for clean work results and longer service life.

Applications

Number of internal drives in various profile sizes, such as:

- TX star recess
- Suitable for ¼“ drives

Technical data

Bit FMB



FMB II TX

Item	Item no.	Drive	Length l [mm]	Contents [pcs.]	Sales unit [pcs]
FMB II TX25 Bit	**564313**	TX25	30	5	1
FMB II TX30 Bit	**564314**	TX30	30	5	1
FMB II TX40 Bit	**564315**	TX40	30	5	1

ProfiBit FPB

The all-rounding bit within convincing quality



Advantages

- The bits manufactured from special steel with high hardness degree are suitable for both hand driven and machine guided applications.
- The perfect fitting inside screws ensures working with low-wear of the product and consequently long lifetime and clean working results.
- The profile guarantees an ideal connection for an optimal power and torque transmission that prevents damages of the surface or the screw-heads.
- Also available as clearly arranged BitSets with 10 or 32 pcs including bit holder.

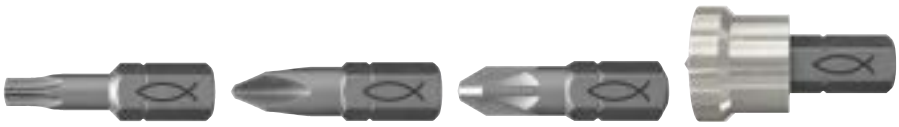
Applications

Number of internal drives in various profile sizes, such as:

- PH, PZ cross-slot
- TX star recess
- Suitable for ¼“ drives

Technical data

ProfiBit FPB



FPB TX FPB PH FPB PZ FPB PH2 Drywall

Item	Item no.	Drive	Length l [mm]	Contents [pcs.]	Sales unit [pcs]
FPB PH2 ProfiBit Drywall	**557840**	PH2	25	1	1
FPB PZ2 ProfiBit	**557842**	PZ2	50	1	1
FPB PZ4 ProfiBit	**557843**	PZ4	38	1	1
FPB TX10 ProfiBit	**557845**	TX10	25	10	1
FPB TX15 ProfiBit	**557846**	TX15	25	10	1
FPB TX20 ProfiBit	**557847**	TX20	25	10	1
FPB TX25 ProfiBit	**557848**	TX25	25	10	1
FPB TX25 ProfiBit	**517693**	TX25	50	5	1
FPB TX30 ProfiBit	**557849**	TX30	25	10	1
FPB TX40 ProfiBit	**557850**	TX40	25	10	1
FPB TX50 ProfiBit	**557839**	TX50	25	1	1
FPB PH1 ProfiBit	**557851**	PH1	25	10	1
FPB PH2 ProfiBit	**557852**	PH2	25	10	1
FPB PH3 ProfiBit	**557853**	PH3	25	10	1
FPB PZ1 ProfiBit	**557854**	PZ1	25	10	1
FPB PZ2 ProfiBit	**557855**	PZ2	25	10	1
FPB PZ3 ProfiBit	**557856**	PZ3	25	10	1

BitHolder FBH

The bit holder for rapid bit exchange



Advantages

- The bit holder for ¼“ bits with magnetic insert hold the bit securely in the drill chuck and offers a smooth installation procedure.
- Robust and slim bit holder for an easy bit exchange.
- Ideal for direct machine connection or enlargement of the bits to reach difficult areas.

Applications

- The bit holders for use in cylinder drill chucks

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Technical data

BitHolder FBH



FBH Bit Holder

	Item no.	Drive	Length l [mm]	Contents [pcs.]	Sales unit [pcs]
Item					
FBH BitHolder	**558178**	1/4“	58	1	1

BitSets

Useful BitSets for a multitude of applications



Advantages

- Universal use with most common bits as well as one bit holder per set.
- Compact bit set with easy handling.
- Safe and clearly arranged keeping of the content assuring a reliable usage.
- Robust and durable construction fulfilling even hardest requirements.

Applications

- The ideal bit sets for quick and efficient working
- For a high variation of applications

Technical data

BitSet



BitSet FPB Profi W10



Bit Set FPB Profi W32

Item	Item no.	Contents	Sales unit [pcs]
FPB BitSet Profi W10	**558179**	each 1 x PZ1, PZ2, PZ3, TX10, TX15, TX20, TX25, TX30, TX40, 1 x Bit holder	1
FPB BitSet Profi W32	**559121**	2x PZ1, 4x PZ2, 2x PZ3, 1 x TX8, 2x TX10, 1 x TX15, 2x TX20, 2xTX25, 1 x TX27, 1 x TX30, 1 x TX40, 2x PH1, 4x PH2, 2x PH3, 1 x PH2 D, 1 x SL4.5, 1 x SL5.5, 1 x SL6, 1 x Bit holder	1



12 Load tables

Content

Chipboard screws PowerFast II countersunk head

Chipboard screws PowerFast II stepcountersunk head

Chipboard screws PowerFast II flange head

Wood construction screw PowerFast II countersunk head

Wood construction screw PowerFast II stepcountersunk head

Wood construction screw PowerFast II hex head screw with pressed washer

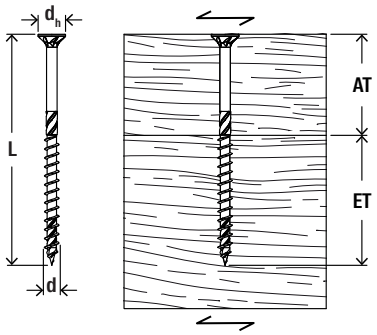
Wood construction screw PowerFast II flange head

PowerFull II fully threaded screws with cylinder head

PowerFull II fully threaded screws with cylinder- and countersunk head

Loads

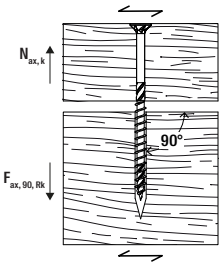
Load table for chipboard screws PowerFast II countersunk head



Countersunk head

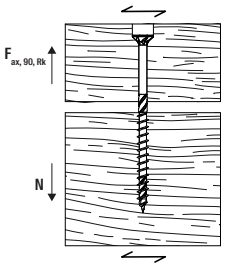
Characteristic / permissible thread pull-out resistance
ETA-19/0175
DIN EN 1995-1-1 + NA

Screw-in angle to the grain
ε_{AT} and ε_{ET} = 90°



Characteristic / permissible head pull-through resistance
ETA-19/0175
DIN EN 1995-1-1 + NA

Screw-in angle to the grain
ε_{AT} and ε_{ET} = 90°



d [mm]	l [mm]	d_k [mm]	AT [mm]	ET [mm]	$F_{ax,90,Rk}$ [kN]	zul. $F_{ax,90}$ [kN]	$F_{ax,90,Rk}$ [kN]	zul. $F_{ax,90}$ [kN]
5,0	50	9,8	20[1)]	30	2,07	1,02	1,29	0,64
5,0	60	9,8	24	36	2,48	1,23	1,29	0,64
5,0	70	9,8	28	42	2,90	1,43	1,29	0,64
5,0	80	9,8	35	45	3,11	1,54	1,29	0,64
5,0	90	9,8	36	54	3,73	1,84	1,29	0,64
5,0	100	9,8	40	60	4,14	2,05	1,29	0,64
5,0	110	9,8	40	70	4,83	2,39	1,29	0,64
5,0	120	9,8	50	70	4,83	2,39	1,29	0,64
6,0	50	11,8	20[1)]	30	2,72	1,35	1,81	0,90
6,0	60	11,8	24	36	3,44	1,70	1,81	0,90
6,0	70	11,8	28	42	4,16	2,06	1,81	0,90
6,0	80	11,8	35	45	4,52	2,24	1,81	0,90
6,0	90	11,8	36	54	5,60	2,77	1,81	0,90
6,0	100	11,8	40	60	6,32	3,13	1,81	0,90
6,0	110	11,8	40	70	7,52	3,72	1,81	0,90
6,0	120	11,8	50	70	7,52	3,72	1,81	0,90
...	...	...	...	...	...	...	...	...
6,0	300	11,8	230	70	7,52	3,72	1,81	0,90

For screws 6,0 x 140 to 6,0 x 300 mm the same values apply as for 6,0 x 120 mm, provided that the thickness of the attachment part AT = at least 50 mm.
Minimum screw-in depth ET = at least 70 mm.

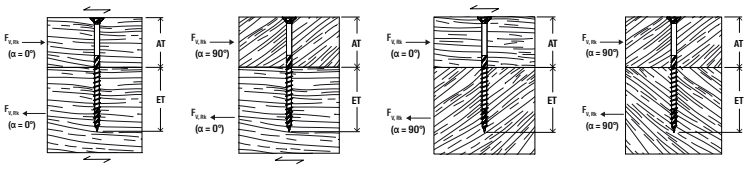
[1)] Values and dimensioning outside the approval, as the minimum thickness of the timber components according to the approval for thread outside diameter 5 and 6 mm is at least 24 mm must be.

[2)] Tolerance of the hole diameter in the sheet steel must be in accordance to DIN EN 1995-1-1 ≤ 0,1 · d. For sheet steel thicknesses t between 0.5 · d and d, the transverse load-bearing capacities may be interpolated.

In general:
Loads only valid for single screws in line with ETA-19/0175 and DIN EN 1995-1-1 with NA.
In the case of groups of screws, reductions should be applied to the load-bearing capacity of each screw (n_{ef} according ETA-19/0175). If tensile and transverse loads act simultaneously, the above-mentioned loads shall be reduced in accordance with ETA-19/0175.
Projecting timber gross density: ρ_k = 350 kg/m^3. Screw-in angle: ε = 90° to the surface and thus the grain of the wood.
The values relating to the shear load resistance refer to zinc-plated screws. Minimum screw-in depth (ET) for load-bearing connections Min. h_{ef} = 4 · d.

Characteristic resistance of the shear load / permissible shear load in timber-timber connections
ETA-19/0175
DIN EN 1995-1-1 + NA

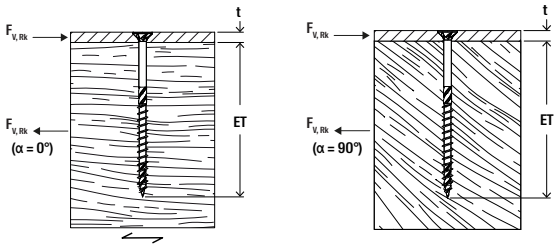
Timber-Timber
Screw-in angle to the grain ε_{AD} and ε_{ET} = 90°
Angle between shear load and grain of the wood: 0 - 90°



Characteristic resistance of the shear load / permissible shear load in steel-timber connections
ETA-19/0175
DIN EN 1995-1-1 + NA

Steel-Timber
thin steel sheet t ≤ 0,5 · d
ε_{ET} = 90°
Angle lateral force - fiber: 0 - 90°

Steel-Timber
thik steel sheet t ≥ d[2)]
ε_{ET} = 90°
Angle lateral force - fiber: 0 - 90°

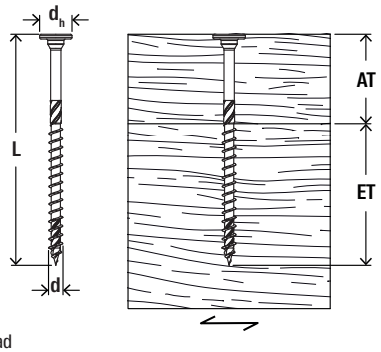


$F_{v,Rk}$ [kN]	zul. F_v [kN]	t [mm]	ET [mm]	$F_{v,Rk}$ [kN]	zul. F_v [kN]	t [mm]	ET [mm]	$F_{v,Rk}$ [kN]	zul. F_v [kN]
1,21	0,60	3	47,5	1,59	0,79	5	45	2,20	1,09
1,28	0,63	3	57,5	1,81	0,90	5	55	2,30	1,14
1,37	0,68	3	67,5	1,92	0,95	5	65	2,41	1,19
1,51	0,75	3	77,5	1,97	0,97	5	75	2,46	1,22
1,51	0,75	3	87,5	2,12	1,05	5	85	2,62	1,29
1,51	0,75	3	97,5	2,23	1,10	5	95	2,72	1,34
1,51	0,75	3	107,5	2,38	1,18	5	105	2,89	1,43
1,51	0,75	3	117,5	2,38	1,18	5	115	2,89	1,43
1,47	0,73	3	47	1,79	0,88	6	44	2,74	1,35
1,65	0,82	3	57	2,17	1,07	6	54	3,15	1,56
1,74	0,86	3	67	2,55	1,26	6	64	3,33	1,64
1,91	0,94	3	77	2,75	1,36	6	74	3,42	1,69
1,94	0,96	3	87	3,02	1,49	6	84	3,69	1,82
2,04	1,01	3	97	3,20	1,58	6	94	3,87	1,91
2,04	1,01	3	107	3,23	1,60	6	104	4,17	2,06
2,07	1,02	3	117	3,23	1,60	6	114	4,17	2,06
...	...	...	...	...	...	...	...	...	...
2,07	1,02	3	297	3,23	1,60	6	294	4,17	2,06

Edge and centre distances according to DIN EN 1995-1-1 Table 8.2.
The shear load resistance was measured in line with the exact procedure described in DIN EN 1995-1-1 Section 8.2.
Shear load resistance values do not apply to pre-drilled holes. Higher shear load resistance values are possible with pre-drilled holes.
In order to calculate the permissible load γ_M = 1,3; $\gamma_{F,global}$ = 1,4 and k_{mod} = 0,9 (e.g. KLED = short and NKL 2) was used.
All mechanical values given are to be considered within the context of the assumptions taken and represent example calculations.
All values given are subject to misprints and printing errors.
Note: These figures are given solely to aid planning. Projects should always be calculated by structural engineers or support structure planners!

Loads

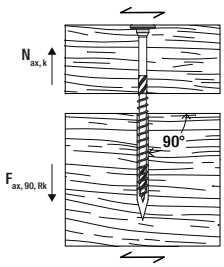
Load table for chipboard screws PowerFast II stepcountersunk head



Stepcountersunk head

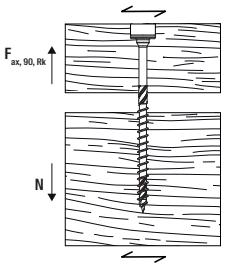
Characteristic / permissible thread pull-out resistance
ETA-19/0175
DIN EN 1995-1-1 + NA

Screw-in angle to the grain
ε_{AT} and ε_{ET} = 90°



Characteristic / permissible head pull-through resistance
ETA-19/0175
DIN EN 1995-1-1 + NA

Screw-in angle to the grain
ε_{AT} and ε_{ET} = 90°

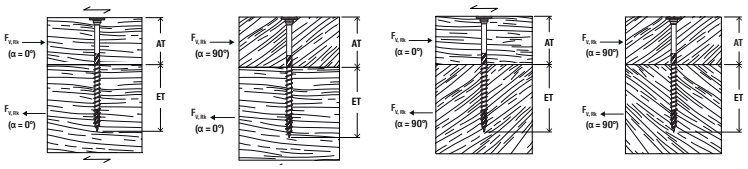


d [mm]	l [mm]	d_k [mm]	AT [mm]	ET [mm]	$F_{ax,90,Rk}$ [kN]	zul. $F_{ax,90}$ [kN]	$F_{ax,90,Rk}$ [kN]	zul. $F_{ax,90}$ [kN]
5,0	50	11,0	20[1)]	30	2,07	1,02	2,36	1,17
5,0	60	11,0	24	36	2,48	1,23	2,36	1,17
5,0	80	11,0	35	45	3,11	1,54	2,36	1,17
5,0	100	11,0	40	60	4,14	2,05	2,36	1,17
5,0	120	11,0	50	70	4,83	2,39	2,36	1,17
6,0	60	13,5	24	36	3,44	1,70	2,73	1,35
6,0	80	13,5	35	45	4,52	2,24	2,73	1,35
6,0	100	13,5	40	60	6,32	3,13	2,73	1,35
6,0	120	13,5	50	70	7,52	3,72	2,73	1,35
...	...	...	...	...	...	...	...	...
6,0	180	13,5	110	70	7,52	3,72	2,73	1,35

For screws 6,0 x 140 to 6,0 x 300 mm the same values apply as for 6,0 x 120 mm, provided that the thickness of the attachment part AD = at least 50 mm.
Minimum screw-in depth ET = at least 70 mm.
[1)] Values and dimensioning outside the approval, as the minimum thickness of the timber components according to the approval for thread outside diameter 5 and 6 mm is at least 24 mm must be.
[2)] Tolerance of the hole diameter in the sheet steel must be in accordance to DIN EN 1995-1-1 ≤ 0,1 · d.
In general:
Loads only valid for single screws in line with ETA-19/0175 and DIN EN 1995-1-1 with NA.
In the case of groups of screws, reductions should be applied to the load-bearing capacity of each screw (n_{ef} according ETA-19/0175). If tensile and transverse loads act simultaneously, the above-mentioned loads shall be reduced in accordance with ETA.
Projecting timber gross density: ρ_k = 350 kg/m³. Screw-in angle: ε = 90° to the surface and thus the grain of the wood.
The values relating to the shear load resistance refer to zinc-plated screws. Minimum screw-in depth (ET) for load-bearing connections Min. h_{ef} = 4 · d.

Characteristic resistance of the shear load / permissible shear load in timber-timber connections
ETA-19/0175
DIN EN 1995-1-1 + NA

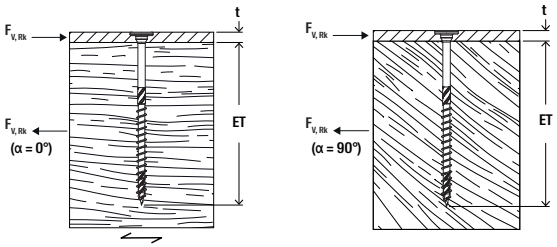
Timber-Timber
Screw-in angle to the grain ε_{AD} and ε_{ET} = 90°
Angle between shear load and grain of the wood: 0 - 90°



Characteristic resistance of the shear load / permissible shear load in steel-timber connections
ETA-19/0175
DIN EN 1995-1-1 + NA

Steel-Timber
thin steel sheet t ≤ 0,5 · d
ε_{ET} = 90°
Angle lateral force - fiber: 0 - 90°

Steel-Timber
thik steel sheet t ≥ d[2)]
ε_{ET} = 90°
Angle lateral force - fiber: 0 - 90°

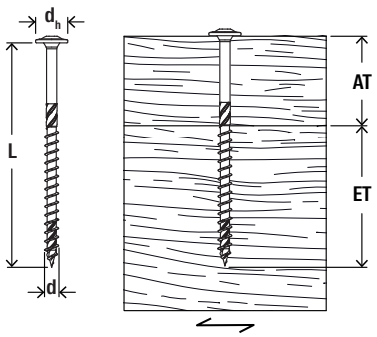


$F_{v,Rk}$ [kN]	zul. F_v [kN]	t [mm]	ET [mm]	$F_{v,Rk}$ [kN]	zul. F_v [kN]	t [mm]	ET [mm]	$F_{v,Rk}$ [kN]	zul. F_v [kN]
1,40	0,69	3	47,5	1,59	0,79	5	45	2,20	1,09
1,55	0,77	3	57,5	1,81	0,90	5	55	2,30	1,14
1,78	0,88	3	77,5	1,97	0,97	5	75	2,46	1,22
1,78	0,88	3	97,5	2,23	1,10	5	95	2,72	1,34
1,78	0,88	3	117,5	2,38	1,18	5	115	2,89	1,43
1,89	0,93	3	57	2,17	1,07	6	54	3,15	1,56
2,14	1,06	3	77	2,75	1,36	6	74	3,42	1,69
2,27	1,12	3	97	3,20	1,58	6	94	3,87	1,91
2,30	1,14	3	117	3,23	1,60	6	114	4,17	2,06
...	...	...	...	...	...	...	...	...	...
2,30	1,14	3	177	3,23	1,60	6	174	4,17	2,06

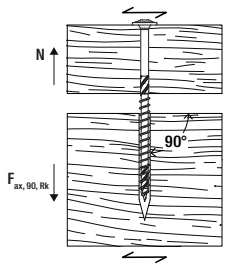
Edge and centre distances according to ETA-19/0175 and also to DIN EN 1995-1-1 Table 8.2 with NA.
The shear load resistance was measured in line with the exact procedure described in DIN EN 1995-1-1 Section 8.2.
Shear load resistance values do not apply to pre-drilled holes. Higher shear load resistance values are possible with pre-drilled holes.
In order to calculate the permissible load γ_M = 1,3; $\gamma_{F,global}$ = 1,4 and k_{mod} = 0,9 (e.g. KLED = short and NKL 2) was used.
Verifications in the steel sheets, such as perforation and punching, must be provided by the customer.
All mechanical values given are to be considered within the context of the assumptions taken and represent example calculations.
All values given are subject to misprints and printing errors.
Note: These figures are given solely to aid planning. Projects should always be calculated by structural engineers or support structure planners!

Loads

Load table for chipboard screws PowerFast II flange head

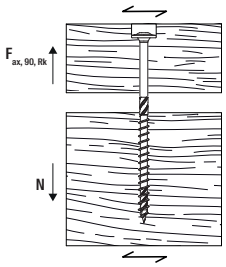


Flange head



Characteristic / permissible thread pull-out resistance
ETA-19/0175
DIN EN 1995-1-1 + NA

Screw-in angle to the grain
ε_{AT} and ε_{ET} = 90°



Characteristic / permissible head pull-through resistance
ETA-19/0175
DIN EN 1995-1-1 + NA

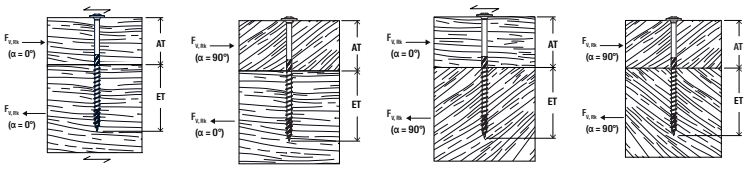
Screw-in angle to the grain
ε_{AT} and ε_{ET} = 90°

d [mm]	l [mm]	d_k [mm]	AT [mm]	ET [mm]	$F_{ax,90,Rk}$ [kN]	zul. $F_{ax,90}$ [kN]	$F_{ax,90,Rk}$ [kN]	zul. $F_{ax,90}$ [kN]
5,0	50	11,0	20[1)]	30	2,07	1,02	2,42	1,20
5,0	60	11,0	24	36	2,48	1,23	2,42	1,20
5,0	80	11,0	35	45	3,11	1,54	2,42	1,20
5,0	100	11,0	40	60	4,14	2,05	2,42	1,20
5,0	120	11,0	50	70	4,83	2,39	2,42	1,20
6,0	60	13,5	24	36	3,44	1,70	2,82	1,40
6,0	80	13,5	35	45	4,52	2,24	2,82	1,40
6,0	100	13,5	40	60	6,32	3,13	2,82	1,40
6,0	120	13,5	50	70	7,52	3,72	2,82	1,40
...	...	...	...	...	...	...	...	...
6,0	300	13,5	230	70	7,52	3,72	2,82	1,40

For screws 6,0 x 140 to 6,0 x 300 mm the same values apply as for 6,0 x 120 mm, provided that the thickness of the attachment part AT = at least 50 mm.
Minimum screw-in depth ET = at least 70 mm.
[1)] Values and dimensioning outside the approval, as the minimum thickness of the timber components according to the approval for thread outside diameter 5 and 6 mm is at least 24 mm must be.
[2)] Tolerance of the hole diameter in the sheet steel must be in accordance to DIN EN 1995-1-1 ≤ 0,1 · d. For sheet steel thicknesses t between 0.5 · d and d, the transverse load-bearing capacities may be interpolated.
In general:
Loads only valid for single screws in line with ETA-19/0175 and DIN EN 1995-1-1 with NA.
In the case of groups of screws, reductions should be applied to the load-bearing capacity of each screw (n_{ef} according ETA-19/0175). If tensile and transverse loads act simultaneously, the above-mentioned loads shall be reduced in accordance with ETA.
Projecting timber gross density: ρ_k = 350 kg/m^3. Screw-in angle: 90° to the surface and thus the grain of the wood.
The values relating to the shear load resistance refer to zinc-plated screws. Minimum screw-in depth (ET) for load-bearing connections Min. h_{ef} = 4 · d.

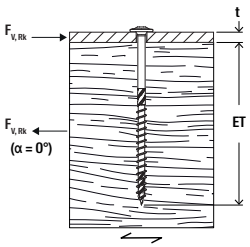
Characteristic resistance of the shear load / permissible shear load in timber-timber connections
ETA-19/0175
DIN EN 1995-1-1 + NA

Timber-Timber
Screw-in angle to the grain ε_{AD} and ε_{ET} = 90°
Angle between shear load and grain of the wood: 0 - 90°

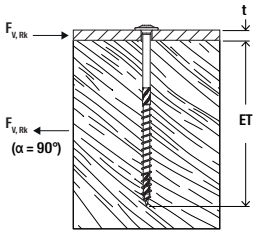


Characteristic resistance of the shear load / permissible shear load in steel-timber connections
ETA-19/0175
DIN EN 1995-1-1 + NA

Steel-Timber
thin steel sheet t ≤ 0,5 · d
ε_{ET} = 90°
Angle lateral force - fiber: 0 - 90°



Steel-Timber
thik steel sheet t ≥ d[2)]
ε_{ET} = 90°
Angle lateral force - fiber: 0 - 90°

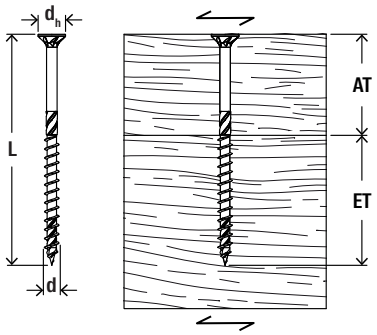


$F_{v,Rk}$ [kN]	zul. F_v [kN]	t [mm]	ET [mm]	$F_{v,Rk}$ [kN]	zul. F_v [kN]	t [mm]	ET [mm]	$F_{v,Rk}$ [kN]	zul. F_v [kN]
1,40	0,69	3	47,5	1,59	0,79	5	45	2,20	1,09
1,56	0,77	3	57,5	1,81	0,90	5	55	2,30	1,14
1,80	0,89	3	77,5	1,97	0,97	5	75	2,46	1,22
1,80	0,89	3	97,5	2,23	1,10	5	95	2,72	1,34
1,80	0,89	3	117,5	2,38	1,18	5	115	2,89	1,43
1,91	0,94	3	57	2,17	1,07	6	54	3,15	1,56
2,16	1,07	3	77	2,75	1,36	6	74	3,42	1,69
2,30	1,14	3	97	3,20	1,58	6	94	3,87	1,91
2,32	1,15	3	117	3,23	1,60	6	114	4,17	2,06
...	...	...	...	...	...	...	...	...	...
2,32	1,15	3	297	3,23	1,60	6	294	4,17	2,06

Edge and centre distances according to ETA-19/0175 and also to DIN EN 1995-1-1 Table 8.2 with NA.
The shear load resistance was measured in line with the exact procedure described in DIN EN 1995-1-1 Section 8.2.
Shear load resistance values do not apply to pre-drilled holes. Higher shear load resistance values are possible with pre-drilled holes.
In order to calculate the permissible load γ_M = 1,3; $\gamma_{F,global}$ = 1,4 and k_{mod} = 0,9 (e.g. KLED = short and NKL 2) was used.
Verifications in the steel sheets, such as perforation and punching, must be provided by the customer.
All mechanical values given are to be considered within the context of the assumptions taken and represent example calculations.
All values given are subject to misprints and printing errors.
Note: These figures are given solely to aid planning. Projects should always be calculated by structural engineers or support structure planners!

Loads

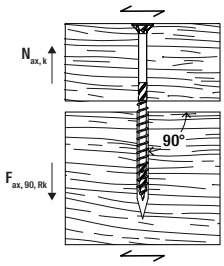
Load table for wood construction screw PowerFast II countersunk head



Countersunk head

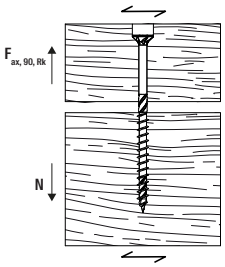
Characteristic / permissible thread pull-out resistance
ETA-19/0175
DIN EN 1995-1-1 + NA

Screw-in angle to the grain
ε_{AT} and ε_{ET} = 90°



Characteristic / permissible head pull-through resistance
ETA-19/0175
DIN EN 1995-1-1 + NA

Screw-in angle to the grain
ε_{AT} and ε_{ET} = 90°

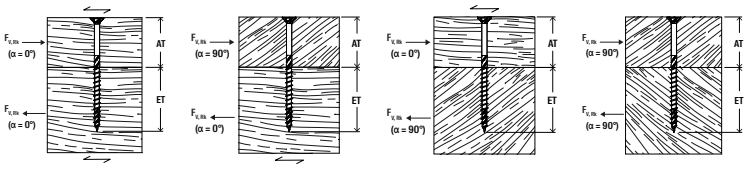


d [mm]	l [mm]	d_k [mm]	AT [mm]	ET [mm]	$F_{ax,90,Rk}$ [kN]	zul. $F_{ax,90}$ [kN]	$F_{ax,90,Rk}$ [kN]	zul. $F_{ax,90}$ [kN]
8,0	80	14,4	40	40	3,84	1,90	2,59	1,28
8,0	100	14,4	50	50	4,80	2,37	2,59	1,28
8,0	120	14,4	50	70	7,08	3,50	2,59	1,28
8,0	140	14,4	60	80	8,28	4,09	2,59	1,28
8,0	160	14,4	80	80	8,28	4,09	2,59	1,28
8,0	180	14,4	80	100	10,68	5,28	2,59	1,28
...	...	...	...	...	...	...	...	...
8,0	400	14,4	300	100	10,68	5,28	2,59	1,28
10,0	80	18,4	40	40	4,60	2,27	4,06	2,01
10,0	100	18,4	40	60	6,90	3,41	4,06	2,01
10,0	120	18,4	50	70	8,05	3,98	4,06	2,01
10,0	140	18,4	60	80	9,20	4,55	4,06	2,01
10,0	160	18,4	80	80	9,20	4,55	4,06	2,01
10,0	180	18,4	80	100	11,88	5,87	4,06	2,01
10,0	200	18,4	100	100	11,88	5,87	4,06	2,01
10,0	220	18,4	120	100	11,88	5,87	4,06	2,01
10,0	240	18,4	140	100	11,88	5,87	4,06	2,01
10,0	260	18,4	160	100	11,88	5,87	4,06	2,01
10,0	280	18,4	165	115	13,91	6,88	4,06	2,01
...	...	...	...	...	...	...	...	...
10,0	400	18,4	285	115	13,91	6,88	4,06	2,01

For screws 8,0 x 200 to 8,0 x 380 mm the same values apply as for 8,0 x 180 mm, provided that the thickness of the attachment part AT = at least 80 mm.
Minimum screw-in depth ET = at least 100 mm.
For screws 10,0 x 300 to 10,0 x 380 mm the same values apply as for 10,0 x 280 mm, provided that the thickness of the attachment part AT = at least 165 mm.
Minimum screw-in depth ET = at least 115 mm.
[1] Tolerance of the hole diameter in the sheet steel must be in accordance to DIN EN 1995-1-1 ≤ 0,1 · d. For sheet steel thicknesses t between 0.5 · d and d, the transverse load-bearing capacities may be interpolated.
In general:
The ETA-19/0175 must be observed.
Loads only valid for single screws in line with ETA-19/0175 and DIN EN 1995-1-1 with NA.
In the case of groups of screws, reductions should be applied to the load-bearing capacity of each screw (n_{ef} according ETA-19/0175).
Projecting timber gross density: ρ_k = 350 kg/m³. Screw-in angle: ε = 90° to the surface and thus the grain of the wood.
The values relating to the shear load resistance refer to zinc-plated screws. Minimum screw-in depth (ET) for load-bearing connections Min. h_{ef} = 4 · d.

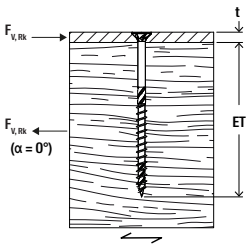
Characteristic resistance of the shear load / permissible shear load in timber-timber connections
ETA-19/0175
DIN EN 1995-1-1 + NA

Timber-Timber
Screw-in angle to the grain ε_{AD} and ε_{ET} = 90°
Angle between shear load and grain of the wood: 0 - 90°

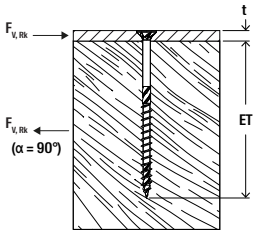


Characteristic resistance of the shear load / permissible shear load in steel-timber connections
ETA-19/0175
DIN EN 1995-1-1 + NA

Steel-Timber
thin steel sheet t ≤ 0,5 · d
ε_{ET} = 90°
Angle lateral force - fiber: 0 - 90°



Steel-Timber
thik steel sheet t ≥ d[1)]
ε_{ET} = 90°
Angle lateral force - fiber: 0 - 90°

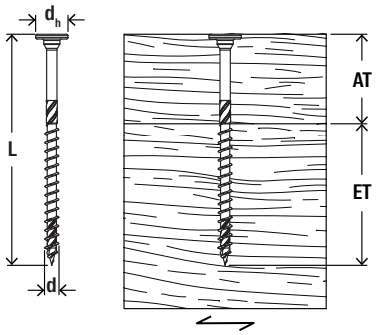


$F_{v,Rk}$ [kN]	zul. F_v [kN]	t [mm]	ET [mm]	$F_{v,Rk}$ [kN]	zul. F_v [kN]	t [mm]	ET [mm]	$F_{v,Rk}$ [kN]	zul. F_v [kN]
2,57	1,27	4	76	3,54	1,75	8	72	4,66	2,30
3,06	1,51	4	96	3,81	1,89	8	92	4,90	2,42
3,13	1,55	4	116	4,38	2,17	8	112	5,47	2,70
3,26	1,61	4	136	4,68	2,32	8	132	5,77	2,85
3,26	1,61	4	156	4,68	2,32	8	152	5,77	2,85
3,26	1,61	4	176	5,23	2,58	8	172	6,37	3,15
...	...	...	...	...	...	...	...	...	...
3,26	1,61	4	396	5,23	2,58	8	392	6,37	3,15
3,27	1,62	5	75	4,08	2,02	10	70	5,83	2,88
3,80	1,88	5	95	5,17	2,55	10	90	6,91	3,42
4,12	2,04	5	115	5,68	2,81	10	110	7,20	3,56
4,49	2,22	5	135	5,97	2,95	10	130	7,49	3,70
4,68	2,32	5	155	5,97	2,95	10	150	7,49	3,70
4,68	2,32	5	175	6,64	3,28	10	170	8,16	4,03
4,68	2,32	5	195	6,64	3,28	10	190	8,16	4,03
4,68	2,32	5	215	6,64	3,28	10	210	8,16	4,03
4,68	2,32	5	235	6,64	3,28	10	230	8,16	4,03
4,68	2,32	5	255	6,64	3,28	10	250	8,16	4,03
4,68	2,32	5	275	7,14	3,53	10	270	8,66	4,28
...	...	...	...	...	...	...	...	...	...
4,68	2,32	5	395	7,14	3,53	10	390	8,66	4,28

Edge and centre distances according to ETA-19/0175 and to DIN EN 1995-1-1 Table 8.2 with NA.
The shear load resistance was measured in line with the exact procedure described in DIN EN 1995-1-1 Section 8.2.
Shear load resistance values do not apply to pre-drilled holes. Higher shear load resistance values are possible with pre-drilled holes.
In order to calculate the permissible load γ_M = 1,3; $\gamma_{F,global}$ = 1,4 and k_{mod} = 0,9 (e.g. KLED = short and NKL 2) was used.
Verifications in the steel sheets, such as perforation and punching, must be provided by the customer.
All mechanical values given are to be considered within the context of the assumptions taken and represent example calculations.
All values given are subject to misprints and printing errors.
Note: These figures are given solely to aid planning. Projects should always be calculated by structural engineers or support structure planners!

Loads

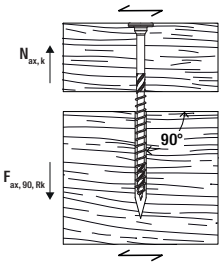
Load table for wood construction screw PowerFast II stepcountersunk head



Countersunk head

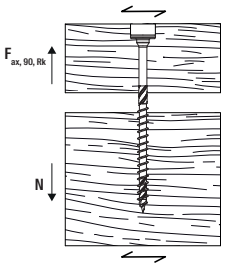
Characteristic / permissible thread pull-out resistance
ETA-19/0175
DIN EN 1995-1-1 + NA

Screw-in angle to the grain
ε_{AT} and ε_{ET} = 90°



Characteristic / permissible head pull-through resistance
ETA-19/0175
DIN EN 1995-1-1 + NA

Screw-in angle to the grain
ε_{AT} and ε_{ET} = 90°

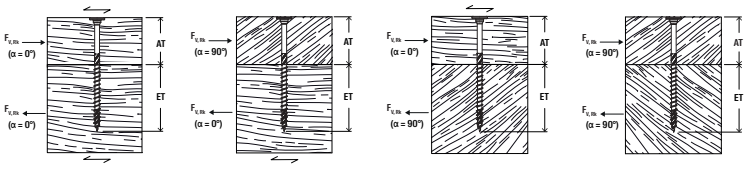


d [mm]	l [mm]	d_k [mm]	AT [mm]	ET [mm]	$F_{ax,90,Rk}$ [kN]	zul. $F_{ax,90}$ [kN]	$F_{ax,90,Rk}$ [kN]	zul. $F_{ax,90}$ [kN]
8,0	80	21,0	40	40	3,84	1,90	5,95	2,94
8,0	100	21,0	50	50	4,80	2,37	5,95	2,94
8,0	120	21,0	50	70	7,08	3,50	5,95	2,94
8,0	140	21,0	60	80	8,28	4,09	5,95	2,94
8,0	160	21,0	80	80	8,28	4,09	5,95	2,94
8,0	180	21,0	80	100	10,68	5,28	5,95	2,94
...	...	...	...	...	...	...	...	...
8,0	400	21,0	300	100	10,68	5,28	5,95	2,94

For screws 8,0 x 200 to 8,0 x 380 mm the same values apply as for 8,0 x 180 mm, provided that the thickness of the attachment part AT = at least 80 mm.
Minimum screw-in depth ET = at least 100 mm.
[1] Tolerance of the hole diameter in the sheet steel must be in accordance to DIN EN 1995-1-1 ≤ 0,1 · d. For sheet steel thicknesses t between 0.5 · d and d, the transverse load-bearing capacities may be interpolated.
In general:
Loads only valid for single screws in line with ETA-19/0175 and DIN EN 1995-1-1 with NA.
In the case of groups of screws, reductions should be applied to the load-bearing capacity of each screw (n_{ef} according ETA-19/0175).
Projecting timber gross density: ρ_k = 350 kg/m³. Screw-in angle: 90° to the surface and thus the grain of the wood.
The values relating to the shear load resistance refer to zinc-plated screws. Minimum screw-in depth (ET) for load-bearing connections Min. h_{ef} = 4 · d.

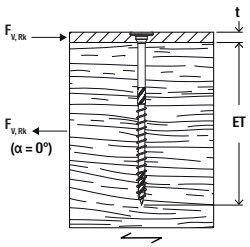
Characteristic resistance of the shear load / permissible shear load in timber-timber connections
ETA-19/0175
DIN EN 1995-1-1 + NA

Timber-Timber
Screw-in angle to the grain ε_{AD} and ε_{ET} = 90°
Angle between shear load and grain of the wood: 0 - 90°

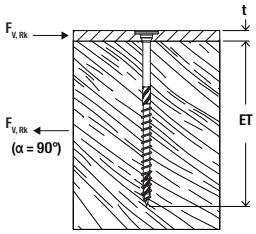


Characteristic resistance of the shear load / permissible shear load in steel-timber connections
ETA-19/0175
DIN EN 1995-1-1 + NA

Steel-Timber
thin steel sheet t ≤ 0,5 · d
ε_{ET} = 90°
Angle lateral force - fiber: 0 - 90°



Steel-Timber
thik steel sheet t ≥ d[1)]
ε_{ET} = 90°
Angle lateral force - fiber: 0 - 90°

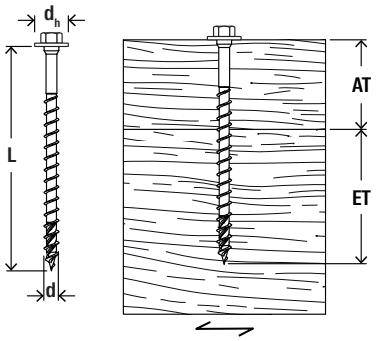


$F_{v,Rk}$ [kN]	zul. F_v [kN]	t [mm]	ET [mm]	$F_{v,Rk}$ [kN]	zul. F_v [kN]	t [mm]	ET [mm]	$F_{v,Rk}$ [kN]	zul. F_v [kN]
2,89	1,43	4	76	3,54	1,75	8	72	4,66	2,30
3,61	1,78	4	96	3,81	1,89	8	92	4,90	2,42
3,97	1,96	4	116	4,38	2,17	8	112	5,47	2,70
4,10	2,03	4	136	4,68	2,32	8	132	5,77	2,85
4,10	2,03	4	156	4,68	2,32	8	152	5,77	2,85
4,10	2,03	4	176	5,23	2,58	8	172	6,37	3,15
...	...	...	...	...	...	...	...	...	...
4,10	2,03	4	396	5,23	2,58	8	392	6,37	3,15

Edge and centre distances according to ETA- 19/0175 and to DIN EN 1995-1-1 Table 8.2 with NA.
The shear load resistance was measured in line with the exact procedure described in DIN EN 1995-1-1 Section 8.2.
Shear load resistance values do not apply to pre-drilled holes. Higher shear load resistance values are possible with pre-drilled holes.
In order to calculate the permissible load γ_M = 1,3; $\gamma_{F,global}$ = 1,4 and k_{mod} = 0,9 (e.g. KLED = short and NKL 2) was used.
Verifications in the steel sheets, such as perforation and punching, must be provided by the customer.
All mechanical values given are to be considered within the context of the assumptions taken and represent example calculations.
All values given are subject to misprints and printing errors.
Note: These figures are given solely to aid planning. Projects should always be calculated by structural engineers or support structure planners!

Loads

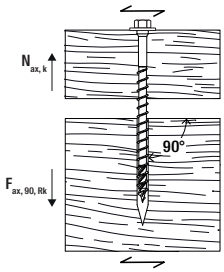
Load table for wood construction screw PowerFast II hex head screw with pressed washer



Flange head

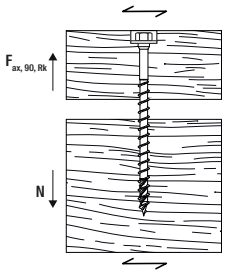
Characteristic / permissible thread pull-out resistance
ETA-19/0175
DIN EN 1995-1-1 + NA

Screw-in angle to the grain
ε_{AT} and ε_{ET} = 90°



Characteristic / permissible head pull-through resistance
ETA-19/0175
DIN EN 1995-1-1 + NA

Screw-in angle to the grain
ε_{AT} and ε_{ET} = 90°



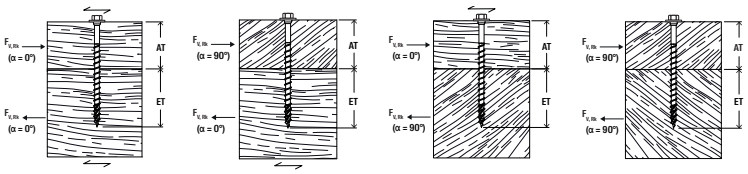
d [mm]	l [mm]	d_k [mm]	AT [mm]	ET [mm]	$F_{ax,90,Rk}$ [kN]	zul. $F_{ax,90}$ [kN]	$F_{ax,90,Rk}$ [kN]	zul. $F_{ax,90}$ [kN]
8,0	80	18,0	40	40	3,84	1,90	3,24	1,60
8,0	100	18,0	40	60	5,88	2,91	3,24	1,60
8,0	120	18,0	40	80	8,28	4,09	3,24	1,60
8,0	140	18,0	40	100	10,68	5,28	3,24	1,60
10,0	80	21,3	40	40	4,60	2,27	4,54	2,24
10,0	100	21,3	40	60	6,90	3,41	4,54	2,24
10,0	120	21,3	40	80	9,20	4,55	4,54	2,24
10,0	140	21,3	40	100	11,88	5,87	4,54	2,24
12,0	100	23,4	50	50	6,18	3,06	5,48	2,71
12,0	120	23,4	60	60	7,42	3,67	5,48	2,71
12,0	140	23,4	60	80	9,89	4,89	5,48	2,71

[1] Tolerance of the hole diameter in the sheet steel must be in accordance to DIN EN 1995-1-1 ≤ 0,1 · d. For sheet steel thicknesses t between 0.5 · d and d, the transverse load-bearing capacities may be interpolated.

In general:
Loads only valid for single screws in line with ETA-19/0175 and DIN EN 1995-1-1 with NA.
In the case of groups of screws, reductions should be applied to the load-bearing capacity of each screw (n_{ef} according ETA-119/0175).
Projecting timber gross density: ρ_k = 350 kg/m³. Screw-in angle: ε = 90° to the surface and thus the grain of the wood.
The values relating to the shear load resistance refer to zinc-plated screws. Minimum screw-in depth (ET) for load-bearing connections Min. h_{ef} = 4 · d.

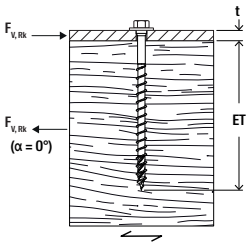
Characteristic resistance of the shear load / permissible shear load in timber-timber connections
ETA-19/0175
DIN EN 1995-1-1 + NA

Timber-Timber
Screw-in angle to the grain ε_{AD} and ε_{ET} = 90°
Angle between shear load and grain of the wood: 0 - 90°

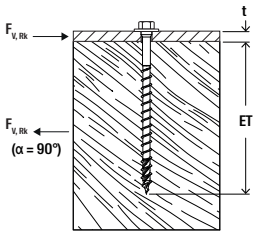


Characteristic resistance of the shear load / permissible shear load in steel-timber connections
ETA-19/0175
DIN EN 1995-1-1 + NA

Steel-Timber
thin steel sheet t ≤ 0,5 · d
ε_{ET} = 90°
Angle lateral force - fiber: 0 - 90°



Steel-Timber
thik steel sheet t ≥ d[1)]
ε_{ET} = 90°
Angle lateral force - fiber: 0 - 90°

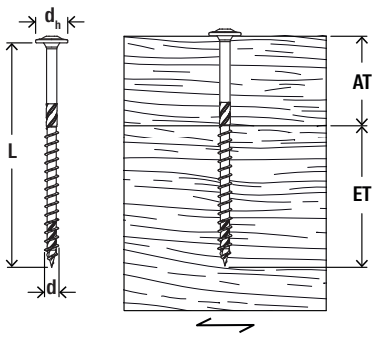


$F_{v,Rk}$ [kN]	zul. F_v [kN]	t [mm]	ET [mm]	$F_{v,Rk}$ [kN]	zul. F_v [kN]	t [mm]	ET [mm]	$F_{v,Rk}$ [kN]	zul. F_v [kN]
2,74	1,35	4	76	3,54	1,75	8	72	4,66	2,30
2,98	1,47	4	96	4,08	2,02	8	92	5,17	2,55
2,98	1,47	4	116	4,68	2,32	8	112	5,77	2,85
2,98	1,47	4	136	5,23	2,58	8	132	6,37	3,15
3,39	1,67	5	75	4,08	2,02	10	70	5,83	2,88
3,92	1,94	5	95	5,17	2,55	10	90	6,91	3,42
3,92	1,94	5	115	5,97	2,95	10	110	7,49	3,70
3,92	1,94	5	135	6,64	3,28	10	130	8,16	4,03
4,57	2,26	6	94	5,81	2,87	12	88	8,11	4,01
5,21	2,58	6	114	6,80	3,36	12	108	8,85	4,38
5,59	2,76	6	134	7,42	3,67	12	128	9,47	4,68

Edge and centre distances according to ETA-19/0175 and to DIN EN 1995-1-1 Table 8.2 with NA.
The shear load resistance was measured in line with the exact procedure described in DIN EN 1995-1-1 Section 8.2.
Shear load resistance values do not apply to pre-drilled holes. Higher shear load resistance values are possible with pre-drilled holes.
In order to calculate the permissible load γ_M = 1,3; $\gamma_{F,global}$ = 1,4 and k_{mod} = 0,9 (e.g. KLED = short and NKL 2) was used.
Verifications in the steel sheets, such as perforation and punching, must be provided by the customer.
All mechanical values given are to be considered within the context of the assumptions taken and represent example calculations.
All values given are subject to misprints and printing errors.
Note: These figures are given solely to aid planning. Projects should always be calculated by structural engineers or support structure planners!

Loads

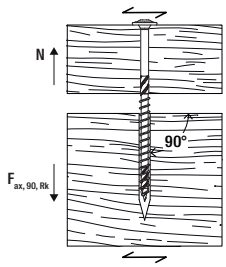
Load table for wood construction screw PowerFast II flange head



Flange head

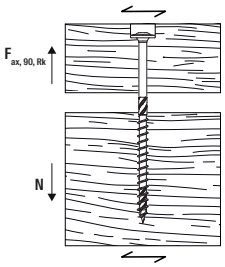
Characteristic / permissible thread pull-out resistance
ETA-19/0175
DIN EN 1995-1-1 + NA

Screw-in angle to the grain
ε_{AT} and ε_{ET} = 90°



Characteristic / permissible head pull-through resistance
ETA-19/0175
DIN EN 1995-1-1 + NA

Screw-in angle to the grain
ε_{AT} and ε_{ET} = 90°

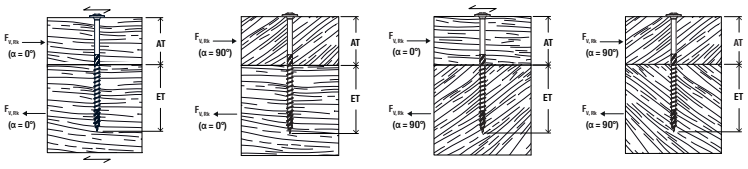


d [mm]	l [mm]	d_k [mm]	AT [mm]	ET [mm]	$F_{ax,90,Rk}$ [kN]	zul. $F_{ax,90}$ [kN]	$F_{ax,90,Rk}$ [kN]	zul. $F_{ax,90}$ [kN]
8,0	80	21,0	40	40	3,84	1,90	6,31	3,12
8,0	100	21,0	50	50	4,80	2,37	6,31	3,12
8,0	120	21,0	50	70	7,08	3,50	6,31	3,12
8,0	140	21,0	60	80	8,28	4,09	6,31	3,12
8,0	160	21,0	80	80	8,28	4,09	6,31	3,12
8,0	180	21,0	80	100	10,68	5,28	6,31	3,12
...	...	...	...	...	...	...	...	...
8,0	400	21,0	300	100	10,68	5,28	6,31	3,12
10,0	80	25,5	40	40	4,60	2,27	8,19	4,05
10,0	100	25,5	40	60	6,90	3,41	8,19	4,05
10,0	120	25,5	50	70	8,05	3,98	8,19	4,05
10,0	140	25,5	60	80	9,20	4,55	8,19	4,05
10,0	160	25,5	80	80	9,20	4,55	8,19	4,05
10,0	180	25,5	80	100	11,88	5,87	8,19	4,05
10,0	200	25,5	100	100	11,88	5,87	8,19	4,05
10,0	220	25,5	120	100	11,88	5,87	8,19	4,05
10,0	240	25,5	140	100	11,88	5,87	8,19	4,05
10,0	260	25,5	160	100	11,88	5,87	8,19	4,05
10,0	280	25,5	165	115	13,91	6,88	8,19	4,05
...	...	...	...	...	...	...	...	...
10,0	400	25,5	285	115	13,91	6,88	8,19	4,05

For screws 8,0 x 200 to 8,0 x 380 mm the same values apply as for 8,0 x 180 mm, provided that the thickness of the attachment part AT = at least 80 mm.
Minimum screw-in depth ET = at least 100 mm.
For screws 10,0 x 300 to 10,0 x 380 mm the same values apply as for 10,0 x 280 mm, provided that the thickness of the attachment part AT = at least 165 mm.
Minimum screw-in depth ET = at least 115 mm.
[1] Tolerance of the hole diameter in the sheet steel must be in accordance to DIN EN 1995-1-1 ≤ 0,1 · d. For sheet steel thicknesses t between 0.5 · d and d, the transverse load-bearing capacities may be interpolated.
In general:
Loads only valid for single screws in line with ETA-19/0175 and DIN EN 1995-1-1 with NA.
In the case of groups of screws, reductions should be applied to the load-bearing capacity of each screw (n_{ef} according ETA-19/0175).
Projecting timber gross density: ρ_k = 350 kg/m³. Screw-in angle: ε = 90° to the surface and thus the grain of the wood.
The values relating to the shear load resistance refer to zinc-plated screws. Minimum screw-in depth (ET) for load-bearing connections Min. h_{ef} = 4 · d.

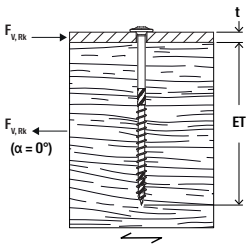
Characteristic resistance of the shear load / permissible shear load in timber-timber connections
ETA-19/0175
DIN EN 1995-1-1 + NA

Timber-Timber
Screw-in angle to the grain ε_{AD} and ε_{ET} = 90°
Angle between shear load and grain of the wood: 0 - 90°

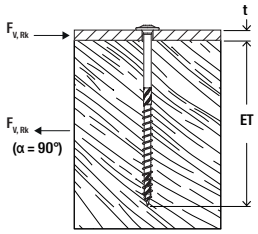


Characteristic resistance of the shear load / permissible shear load in steel-timber connections
ETA-19/0175
DIN EN 1995-1-1 + NA

Steel-Timber
thin steel sheet t ≤ 0,5 · d
ε_{ET} = 90°
Angle lateral force - fiber: 0 - 90°



Steel-Timber
thik steel sheet t ≥ d[1)]
ε_{ET} = 90°
Angle lateral force - fiber: 0 - 90°



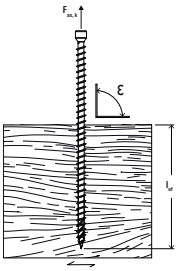
$F_{v,Rk}$ [kN]	zul. F_v [kN]	t [mm]	ET [mm]	$F_{v,Rk}$ [kN]	zul. F_v [kN]	t [mm]	ET [mm]	$F_{v,Rk}$ [kN]	zul. F_v [kN]
2,89	1,43	4	76	3,54	1,75	8	72	4,66	2,30
3,61	1,78	4	96	3,81	1,89	8	92	4,90	2,42
4,05	2,00	4	116	4,38	2,17	8	112	5,47	2,70
4,19	2,07	4	136	4,68	2,32	8	132	5,77	2,85
4,19	2,07	4	156	4,68	2,32	8	152	5,77	2,85
4,19	2,07	4	176	5,23	2,58	8	172	6,37	3,15
...	...	...	...	...	...	...	...	...	...
4,19	2,07	4	396	5,23	2,58	8	392	6,37	3,15
3,40	1,68	5	75	4,08	2,02	10	70	5,83	2,88
4,51	2,23	5	95	5,17	2,55	10	90	6,91	3,42
5,12	2,53	5	115	5,68	2,81	10	110	7,20	3,56
5,52	2,73	5	135	5,97	2,95	10	130	7,49	3,70
5,72	2,83	5	155	5,97	2,95	10	150	7,49	3,70
5,72	2,83	5	175	6,64	3,28	10	170	8,16	4,03
5,72	2,83	5	195	6,64	3,28	10	190	8,16	4,03
5,72	2,83	5	215	6,64	3,28	10	210	8,16	4,03
5,72	2,83	5	235	6,64	3,28	10	230	8,16	4,03
5,72	2,83	5	255	6,64	3,28	10	250	8,16	4,03
5,72	2,83	5	275	7,14	3,53	10	270	8,66	4,28
...	...	...	...	...	...	...	...	...	...
5,72	2,83	5	395	7,14	3,53	10	390	8,66	4,28

Edge and centre distances according to ETA-19/0175 and to DIN EN 1995-1-1 Table 8.2 with NA.
The shear load resistance was measured in line with the exact procedure described in DIN EN 1995-1-1 Section 8.2.
Shear load resistance values do not apply to pre-drilled holes. Higher shear load resistance values are possible with pre-drilled holes.
In order to calculate the permissible load γ_M = 1,3; $\gamma_{F,global}$ = 1,4 and k_{mod} = 0,9 (e.g. KLED = short and NKL 2) was used.
Verifications in the steel sheets, such as perforation and punching, must be provided by the customer.
All mechanical values given are to be considered within the context of the assumptions taken and represent example calculations.
All values given are subject to misprints and printing errors.
Note: These fi gures are given solely to aid planning. Projects should always be calculated by structural engineers or support structure planners!

Loads

fischer PowerFull II fully threaded screws with cylinder head. Screw diameter 6,0 mm.

Characteristic tension load $F_{ax,\alpha,Rk}$ [kN] for: Nominal screw diameter: d = 6.0 mm



Characteristic tensile strength:	$f_{tens,k}$ =	12.8	**[kN]**
Wood quality:		C24	**[-]**
Characteristic timber density:	ρ_k =	350	**[kg/m³]**
Characteristic reference timber density:	ρ_a =	350	**[kg/m³]**
Number of screws per connection:	n =	1	**[Piece]**
Characteristic withdrawal parameter based on l_{ef}:	$f_{ax,k}$ =	12.6	**[N/mm²]**
Characteristic withdrawal parameter based on l_g:	$f_{ax,k}$ =	20.0	**[N/mm²]**
Screw tip length:	l_t =	7.3	**[mm]**
Minimum timber width:	b =	60.0	**[mm]**
Minimum timber thickness:	h =	60.0	**[mm]**

Screw-in angle ε [°] to the grain of the wood

l_{ef} [mm]	90 to 45	40	35	30	25	20	16
24	2,00	1,85	1,69	1,54	1,38	1,22	1,10
30	2,72	2,51	2,30	2,09	1,88	1,66	1,50
35	3,32	3,07	2,81	2,55	2,29	2,03	1,82
40	3,92	3,62	3,31	3,01	2,70	2,40	2,15
45	4,52	4,17	3,82	3,47	3,12	2,76	2,48
50	5,12	4,73	4,33	3,93	3,53	3,13	2,81
55	5,72	5,28	4,83	4,39	3,94	3,50	3,14
60	6,32	5,83	5,34	4,85	4,36	3,86	3,47
65	6,92	6,39	5,85	5,31	4,77	4,23	3,80
70	7,52	6,94	6,35	5,77	5,18	4,60	4,13
75	8,12	7,49	6,86	6,23	5,60	4,96	4,46
80	8,72	8,05	7,37	6,69	6,01	5,33	4,79
85	9,32	8,60	7,87	7,15	6,42	5,70	5,12
90	9,92	9,15	8,38	7,61	6,84	6,06	5,45
95	10,52	9,71	8,89	8,07	7,25	6,43	5,78
100	11,12	10,26	9,39	8,53	7,66	6,80	6,11

Max. screw length: l = 200 mm; Head height h_h = 4,5 mm; Tip length l_t = 7,3 mm; max. eff. Thread length l_{ef} = 188 mm.
Available screw length: 100, 120, 140, 160, 180, 200 mm.

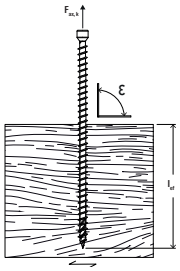
$$F_{ax,\epsilon,Rk} = n_{ef} \cdot k_{ax} \cdot f_{ax,k} \cdot d \cdot l_{ef/g} \cdot \left(\frac{\rho_k}{\rho_a}\right)^{0,8}; \; k_{ax} = min\left\{\begin{matrix} 1,00 \\ 0,3 + \frac{(0,7 \cdot \epsilon)}{45°} \end{matrix}\right.$$

Edge- and spacing distances according ETA-21/0751 respectively DIN EN 1995-1-1 + NA. ETA-21/0751 as well as DIN EN 1995-1-1 have to be checked.
Stated loads are exclusively valid for single screws on side of screw tip.
On head side of the screws the values are also valid even if the effective embedment thread length l_{ef} of the screw part without thread under the head, will not be calculated.
The determination of the effective number of screws, for more than a single screw per connection has to be occured by ETA-21/0751, Annex D11, Formula (25).
All mechanical values given are to be considered within the context of the assumptions taken and represent example calculations.
Note: These figures are given solely to aid planning. Projects should always be calculated by structural engineers or support structure planners!
All values given are subject to misprint and printing errors.

fischer PowerFull II fully threaded screws with cylinder head. Screw diameter 6,0 mm.

Permissible tension load F_{ax} [kN] for: Nominal screw diameter: d = 6.0 mm

Characteristic tensile strength:	$f_{tens,k}$ =	12.8	**[kN]**
Wood quality:		C24	**[-]**
Characteristic timber density:	ρ_k =	350	**[kg/m³]**
Characteristic reference timber density:	ρ_a =	350	**[kg/m³]**
Number of screws per connection:	n =	1	**[piece]**
Usage class:	NKL:	2	**[-]**
Class of load duration:	KLED:	short	**[-]**
Modification factor:	k_{mod} =	0.9	**[-]**
Partial safety factor for resistance timber:	γ_M =	1.3	**[-]**
Partial safety factor resistance steel:	γ_M =	1.25	**[-]**
Partial safety factor for action:	γ_F =	1.4	**[-]**
Characteristic withdrawal parameter based on l_{ef}:	$f_{ax,k}$ =	12.6	**[N/mm²]**
Characteristic withdrawal parameter based on l_g:	$f_{ax,k}$ =	20.0	**[N/mm²]**
Screw tip length:	l_t =	7.3	**[mm]**
Minimum timber width:	b =	60.0	**[mm]**
Minimum timber thickness:	h =	60.0	**[mm]**



Screw-in angle ε [°] to the grain of the wood

l_{ef} [mm]	90 to 45	40	35	30	25	20	16
24	0,99	0,91	0,84	0,76	0,68	0,61	0,54
30	1,35	1,24	1,14	1,03	0,93	0,82	0,74
35	1,64	1,52	1,39	1,26	1,13	1,00	0,90
40	1,94	1,79	1,64	1,49	1,34	1,19	1,07
45	2,24	2,06	1,89	1,72	1,54	1,37	1,23
50	2,53	2,34	2,14	1,94	1,75	1,55	1,39
55	2,83	2,61	2,39	2,17	1,95	1,73	1,55
60	3,13	2,88	2,64	2,40	2,15	1,91	1,72
65	3,42	3,16	2,89	2,63	2,36	2,09	1,88
70	3,72	3,43	3,14	2,85	2,56	2,27	2,04
75	4,02	3,70	3,39	3,08	2,77	2,46	2,21
80	4,31	3,98	3,64	3,31	2,97	2,64	2,37
85	4,61	4,25	3,89	3,53	3,18	2,82	2,53
90	4,91	4,53	4,14	3,76	3,38	3,00	2,69
95	5,20	4,80	4,39	3,99	3,59	3,18	2,86
100	5,50	5,07	4,65	4,22	3,79	3,36	3,02

Max. screw length: l = 200 mm; Head height h_h = 4,5 mm; Tip length l_t = 7,3 mm; max. eff. Thread length l_{ef} = 188 mm.
Available screw length: 100, 120, 140, 160, 180, 200 mm.

$$\text{zul. } F_{ax,\epsilon} = \min\left\{\frac{k_{mod} \cdot F_{ax,\epsilon,Rk}}{\gamma_M \cdot \gamma_F}; \frac{f_{tens,k}}{\gamma_M \cdot \gamma_F}\right\}$$

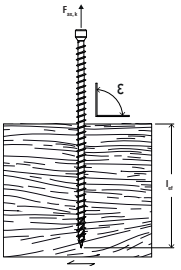
Edge- and spacing distances according ETA-21/0751 respectively DIN EN 1995-1-1 + NA. ETA-21/0751 as well as DIN EN 1995-1-1 have to be checked.
Stated loads are exclusively valid for single screws on side of screw tip.
On head side of the screws the values are also valid even if the effective embedment thread length l_{ef} of the screw part without thread under the head, will not be calculated.
The determination of the effective number of screws, for more than a single screw per connection has to be occured by ETA-21/0751, Annex D11, Formula (25).
All mechanical values given are to be considered within the context of the assumptions taken and represent example calculations.
Note: These figures are given solely to aid planning. Projects should always be calculated by structural engineers or support structure planners!
All values given are subject to misprint and printing errors.

Loads

fischer PowerFull II fully threaded screws with cylinder- and countersunk head. Screw diameter 8,0 mm.

Characteristic tension load $F_{ax,\alpha,Rk}$ [kN] for: Nominal screw diameter: d = 8.0 mm

Characteristic tensile strength:	$f_{tens,k}$ =	26.4	[kN]
Wood quality:		C24	[-]
Characteristic timber density:	ρ_k =	350	[kg/m³]
Characteristic reference timber density:	ρ_a =	350	[kg/m³]
Number of screws per connection:	n =	1	[piece]
Characteristic withdrawal parameter based on l_{ef}:	$f_{ax,k}$ =	11.8	[N/mm²]
Characteristic withdrawal parameter based on l_g:	$f_{ax,k}$ =	16.0	[N/mm²]
Screw tip length:	l_t =	9.8	[mm]
Head pull-through parameter, csk head, timber thickness t ≥ 20 mm:	$f_{head,k}$ =	12.0	[N/mm²]
Head diameter countersunk head:	d_h =	14.4	[mm]
Characteristic head pull-through capacity for countersunk head:	$F_{ax,\alpha,Rk}$ =	2.49	[kN]
Minimum timber width:	b =	64.0	[mm]
Minimum timber thickness:	h =	80.0	[mm]



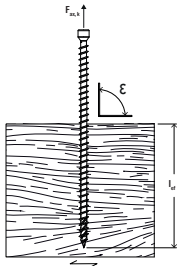
Screw-in angle ε [°] to the grain of the wood

l_{ef} [mm]	90 to 45	40	35	30	25	20	16
32	3,02	2,79	2,55	2,32	2,08	1,85	1,66
35	3,30	3,05	2,79	2,53	2,28	2,02	1,81
40	3,87	3,56	3,26	2,96	2,66	2,36	2,12
45	4,51	4,16	3,80	3,45	3,10	2,75	2,47
50	5,15	4,75	4,35	3,94	3,54	3,14	2,82
55	5,79	5,34	4,89	4,44	3,99	3,54	3,18
60	6,43	5,93	5,43	4,93	4,43	3,93	3,53
65	7,07	6,52	5,97	5,42	4,87	4,32	3,88
70	7,71	7,11	6,51	5,91	5,31	4,71	4,23
75	8,35	7,70	7,05	6,40	5,75	5,10	4,58
80	8,99	8,29	7,59	6,89	6,19	5,49	4,93
85	9,63	8,88	8,13	7,38	6,63	5,88	5,28
90	10,27	9,47	8,67	7,87	7,07	6,27	5,63
95	10,91	10,06	9,21	8,36	7,51	6,66	5,99
100	11,55	10,65	9,75	8,85	7,95	7,06	6,34
105	12,19	11,24	10,29	9,34	8,39	7,45	6,69
110	12,83	11,83	10,83	9,83	8,84	7,84	7,04
115	13,47	12,42	11,37	10,32	9,28	8,23	7,39
120	14,11	13,01	11,91	10,81	9,72	8,62	7,74
125	14,75	13,60	12,45	11,30	10,16	9,01	8,09
130	15,39	14,19	12,99	11,80	10,60	9,40	8,44
135	16,03	14,78	13,53	12,29	11,04	9,79	8,80
140	16,67	15,37	14,07	12,78	11,48	10,18	9,15
145	17,31	15,96	14,61	13,27	11,92	10,58	9,50
150	17,95	16,55	15,15	13,76	12,36	10,97	9,85
155	18,59	17,14	15,69	14,25	12,80	11,36	10,20
160	19,23	17,73	16,23	14,74	13,24	11,75	10,55
165	19,87	18,32	16,78	15,23	13,69	12,14	10,90
170	20,51	18,91	17,32	15,72	14,13	12,53	11,26
175	21,15	19,50	17,86	16,21	14,57	12,92	11,61
180	21,79	20,09	18,40	16,70	15,01	13,31	11,96
185	22,43	20,68	18,94	17,19	15,45	13,70	12,31
190	23,07	21,27	19,48	17,68	15,89	14,10	12,66
195	23,71	21,86	20,02	18,17	16,33	14,49	13,01

fischer PowerFull II fully threaded screws with cylinder- and countersunk head. Screw diameter 8,0 mm.

Characteristic tension load $F_{ax,\alpha,Rk}$ [kN] for: Nominal screw diameter: d = 8.0 mm

Characteristic tensile strength:	$f_{tens,k}$ =	26.4	**[kN]**
Wood quality:		C24	**[-]**
Characteristic timber density:	ρ_k =	350	**[kg/m³]**
Characteristic reference timber density:	ρ_a =	350	**[kg/m³]**
Number of screws per connection:	n =	1	**[piece]**
Characteristic withdrawal parameter based on l_{ef}:	$f_{ax,k}$ =	11.8	**[N/mm²]**
Characteristic withdrawal parameter based on l_g:	$f_{ax,k}$ =	16.0	**[N/mm²]**
Screw tip length:	l_t =	9.8	**[mm]**
Head pull-through parameter, csk head, timber thickness t ≥ 20 mm:	$f_{head,k}$ =	12.0	**[N/mm²]**
Head diameter countersunk head:	d_h =	14.4	**[mm]**
Characteristic head pull-through capacity for countersunk head:	$F_{ax,\alpha,Rk}$ =	2.49	**[kN]**
Minimum timber width:	b =	64.0	**[mm]**
Minimum timber thickness:	h =	80.0	**[mm]**



Screw-in angle ε [°] to the grain of the wood

l_{ef} [mm]	90 to 45	40	35	30	25	20	16
200	24,35	22,45	20,56	18,66	16,77	14,88	13,36
210	25,63	23,63	21,64	19,65	17,65	15,66	14,07
220	26,40	24,81	22,72	20,63	18,53	16,44	14,77
230	26,40	25,99	23,80	21,61	19,42	17,22	15,47
240	26,40	26,40	24,88	22,59	20,30	18,01	16,17
250	26,40	26,40	25,96	23,57	21,18	18,79	16,88
260	26,40	26,40	26,40	24,55	22,06	19,57	17,58
270	26,40	26,40	26,40	25,53	22,94	20,35	18,28
280	26,40	26,40	26,40	26,40	23,83	21,14	18,98
290	26,40	26,40	26,40	26,40	24,71	21,92	19,69
300	26,40	26,40	26,40	26,40	25,59	22,70	20,39
310	26,40	26,40	26,40	26,40	26,40	23,48	21,09
320	26,40	26,40	26,40	26,40	26,40	24,26	21,79
330	26,40	26,40	26,40	26,40	26,40	25,05	22,50
340	26,40	26,40	26,40	26,40	26,40	25,83	23,20
350	26,40	26,40	26,40	26,40	26,40	26,40	23,90
360	26,40	26,40	26,40	26,40	26,40	26,40	24,60
370	26,40	26,40	26,40	26,40	26,40	26,40	25,31
380	26,40	26,40	26,40	26,40	26,40	26,40	26,01
390	26,40	26,40	26,40	26,40	26,40	26,40	26,40

Max. screw length: l = 400 mm; Head height: h_h = 5,5 mm (cylinder head); h_{h2} = 4,6 mm (countersunk head); Tip length l_t = 9,8 mm; max. eff. Thread length l_{ef} = 381 mm.
Available screw length: 100, 120, 140, 160, 180, 200, 220, 240, 260, 280, 350, 400 mm.

$$F_{ax,\epsilon,Rk} = n_{ef} \cdot k_{ax} \cdot f_{ax,k} \cdot d \cdot l_{ef/g} \cdot \left(\frac{\rho_k}{\rho_a}\right)^{0,8};\ k_{ax} = min\left\{1{,}00;\ 0{,}3 + \frac{(0{,}7 \cdot \epsilon)}{45°}\right.$$

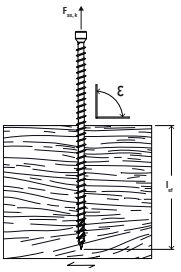
Edge- and spacing distances according ETA-21/0751 respectively DIN EN 1995-1-1 + NA. ETA-21/0751 as well as DIN EN 1995-1-1 have to be checked.
Stated loads are exclusively valid for single screws on side of screw tip.
On head side of the screws the values are also valid even if the effective embedment thread length l_{ef} of the screw part without thread under the head, will not be calculated.
The determination of the effective number of screws, for more than a single screw per connection has to be occured by ETA-21/0751, Annex D11, Formula (25).
All mechanical values given are to be considered within the context of the assumptions taken and represent example calculations.
Note: These figures are given solely to aid planning. Projects should always be calculated by structural engineers or support structure planners!
All values given are subject to misprint and printing errors.

Loads

fischer full thread screws PowerFull II with countersunk- and cylinder head. Screw diameter 8,0 mm.

Permissible tension load F_{ax} [kN] for: Nominal screw diameter: d = 8.0 mm

Characteristic tensile strength:	$f_{tens,k}$ =	26.4	**[kN]**
Wood quality:		C24	**[-]**
Characteristic timber density:	ρ_k =	350	**[kg/m³]**
Characteristic reference timber density:	ρ_a =	350	**[kg/m³]**
Number of screws per connection:	n =	1	**[piece]**
Usage class:	NKL:	2	**[-]**
Class of load duration:	KLED:	short	**[-]**
Modification factor:	k_{mod} =	0.9	**[-]**
Partial safety factor for resistance timber:	γ_M =	1.3	**[-]**
Partial safety factor for resistance steel:	γ_M =	1.25	**[-]**
Partial safety factor for action:	γ_F =	1.4	**[-]**
Characteristic withdrawal parameter based on l_{ef}:	$f_{ax,k}$ =	11.8	**[N/mm²]**
Characteristic withdrawal parameter based on l_g:	$f_{ax,k}$ =	16.0	**[N/mm²]**
Screw tip length:	l_t =	9.8	**[mm]**
Head pull-through parameter, csk head, timber thickness t ≥ 20 mm:	$f_{head,k}$ =	12.0	**[N/mm²]**
Head diameter countersunk head:	d_h =	14.4	**[mm]**
Admissible head pull-through capacity for countersunk head:	$F_{ax,\alpha,Rk}$ =	1.23	**[kN]**
Minimum timber width:	b =	64.0	**[mm]**
Minimum timber thickness:	h =	80.0	**[mm]**



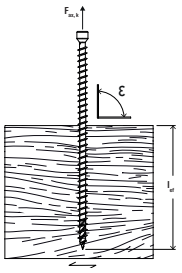
Screw-in angle ε [°] to the grain of the wood

l_{ef} [mm]	90 to 45	40	35	30	25	20	16
32	1,49	1,38	1,26	1,15	1,03	0,91	0,82
35	1,63	1,51	1,38	1,25	1,13	1,00	0,90
40	1,91	1,76	1,61	1,47	1,32	1,17	1,05
45	2,23	2,05	1,88	1,71	1,53	1,36	1,22
50	2,54	2,35	2,15	1,95	1,75	1,55	1,40
55	2,86	2,64	2,42	2,19	1,97	1,75	1,57
60	3,18	2,93	2,68	2,44	2,19	1,94	1,74
65	3,49	3,22	2,95	2,68	2,41	2,14	1,92
70	3,81	3,51	3,22	2,92	2,62	2,33	2,09
75	4,13	3,81	3,48	3,16	2,84	2,52	2,27
80	4,44	4,10	3,75	3,41	3,06	2,72	2,44
85	4,76	4,39	4,02	3,65	3,28	2,91	2,61
90	5,08	4,68	4,29	3,89	3,50	3,10	2,79
95	5,39	4,97	4,55	4,13	3,72	3,30	2,96
100	5,71	5,27	4,82	4,38	3,93	3,49	3,13
105	6,03	5,56	5,09	4,62	4,15	3,68	3,31
110	6,34	5,85	5,36	4,86	4,37	3,88	3,48
115	6,66	6,14	5,62	5,11	4,59	4,07	3,65
120	6,98	6,43	5,89	5,35	4,81	4,26	3,83
125	7,29	6,72	6,16	5,59	5,02	4,46	4,00
130	7,61	7,02	6,42	5,83	5,24	4,65	4,18
135	7,92	7,31	6,69	6,08	5,46	4,84	4,35
140	8,24	7,60	6,96	6,32	5,68	5,04	4,52
145	8,56	7,89	7,23	6,56	5,90	5,23	4,70
150	8,87	8,18	7,49	6,80	6,11	5,42	4,87
155	9,19	8,48	7,76	7,05	6,33	5,62	5,04
160	9,51	8,77	8,03	7,29	6,55	5,81	5,22
165	9,82	9,06	8,30	7,53	6,77	6,00	5,39
170	10,14	9,35	8,56	7,77	6,99	6,20	5,57
175	10,46	9,64	8,83	8,02	7,20	6,39	5,74
180	10,77	9,94	9,10	8,26	7,42	6,58	5,91
185	11,09	10,23	9,36	8,50	7,64	6,78	6,09
190	11,41	10,52	9,63	8,74	7,86	6,97	6,26
195	11,72	10,81	9,90	8,99	8,08	7,16	6,43

fischer full thread screws PowerFull II with countersunk- and cylinder head. Screw diameter 8,0 mm.

Permissible tension load F_{ax} [kN] for: Nominal screw diameter: d = 8.0 mm

Characteristic tensile strength:	$f_{tens,k}$ =	26.4	**[kN]**
Wood quality:		C24	**[-]**
Characteristic timber density:	ρ_k =	350	**[kg/m³]**
Characteristic reference timber density:	ρ_a =	350	**[kg/m³]**
Number of screws per connection:	n =	1	**[piece]**
Usage class:	NKL:	2	**[-]**
Class of load duration:	KLED:	kurz	**[-]**
Modification factor:	k_{mod} =	0.9	**[-]**
Partial safety factor for resistance timber:	γ_M =	1.3	**[-]**
Partial safety factor for resistance steel:	γ_M =	1.25	**[-]**
Partial safety factor for action:	γ_F =	1.4	**[-]**
Characteristic withdrawal parameter based on l_{ef}:	$f_{ax,k}$ =	11.8	**[N/mm²]**
Characteristic withdrawal parameter based on l_g:	$f_{ax,k}$ =	16.0	**[N/mm²]**
Screw tip length:	l_t =	9.8	**[mm]**
Head pull-through parameter, csk head, timber thickness t ≥ 20 mm:	$f_{head,k}$ =	12.0	**[N/mm²]**
Head diameter countersunk head:	d_h =	14.4	**[mm]**
Admissible head pull-through capacity for countersunk head:	$F_{ax,\alpha,Rk}$ =	1.23	**[kN]**
Minimum timber width:	b =	64.0	**[mm]**
Minimum timber thickness:	h =	80.0	**[mm]**



Screw-in angle ε [°] to the grain of the wood

l_{ef} [mm]	90 to 45	40	35	30	25	20	16
200	12,04	11,10	10,17	9,23	8,29	7,36	6,61
210	12,67	11,69	10,70	9,72	8,73	7,74	6,96
220	13,30	12,27	11,24	10,20	9,17	8,13	7,30
230	13,94	12,85	11,77	10,69	9,60	8,52	7,65
240	14,57	13,44	12,30	11,17	10,04	8,90	8,00
250	15,09	14,02	12,84	11,66	10,47	9,29	8,35
260	15,09	14,61	13,37	12,14	10,91	9,68	8,69
270	15,09	15,09	13,91	12,63	11,35	10,06	9,04
280	15,09	15,09	14,44	13,11	11,78	10,45	9,39
290	15,09	15,09	14,98	13,60	12,22	10,84	9,73
300	15,09	15,09	15,09	14,08	12,65	11,23	10,08
310	15,09	15,09	15,09	14,57	13,09	11,61	10,43
320	15,09	15,09	15,09	15,05	13,53	12,00	10,78
330	15,09	15,09	15,09	15,09	13,96	12,39	11,12
340	15,09	15,09	15,09	15,09	14,40	12,77	11,47
350	15,09	15,09	15,09	15,09	14,83	13,16	11,82
360	15,09	15,09	15,09	15,09	15,09	13,55	12,17
370	15,09	15,09	15,09	15,09	15,09	13,93	12,51
380	15,09	15,09	15,09	15,09	15,09	14,32	12,86
390	15,09	15,09	15,09	15,09	15,09	14,71	13,21

Max. screw length: l = 400 mm; Head height: h_h = 5,5 mm (cylinder head); h_{h2} = 4,6 mm (countersunk head); Tip length l_t = 9,8 mm; max. eff. Thread length l_{ef} = 381 mm.
Available screw length: 100, 120, 140, 160, 180, 200, 220, 240, 260, 280, 350, 400 mm.

$$\text{zul. } F_{ax,\epsilon} = \min\left\{\frac{k_{mod} \cdot F_{ax,\epsilon,Rk}}{\gamma_M \cdot \gamma_F}; \frac{f_{tens,k}}{\gamma_M \cdot \gamma_F}\right\}$$

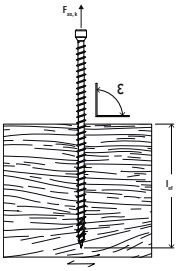
Edge- and spacing distances according ETA-21/0751 respectively DIN EN 1995-1-1 + NA. ETA-21/0751 as well as DIN EN 1995-1-1 have to be checked.
Stated loads are exclusively valid for single screws on side of screw tip.
On head side of the screws the values are also valid even if the effective embedment thread length l_{ef} of the screw part without thread under the head, will not be calculated.
The determination of the effective number of screws, for more than a single screw per connection has to be occured by ETA-21/0751, Annex D11, Formula (25).
All mechanical values given are to be considered within the context of the assumptions taken and represent example calculations.
Note: These figures are given solely to aid planning. Projects should always be calculated by structural engineers or support structure planners!
All values given are subject to misprint and printing errors.

Loads

fischer PowerFull II fully threaded screws with cylinder- and countersunk head. Screw diameter 10,0 mm.

Characteristic tension load $F_{ax,\alpha,Rk}$ [kN] for: Nominal screw diameter: d = 10.0 mm

Characteristic tensile strength:	$f_{tens,k}$ =	37.8	**[kN]**
Wood quality:		C24	**[-]**
Characteristic timber density:	ρ_k =	350	**[kg/m³]**
Characteristic reference timber density:	ρ_a =	350	**[kg/m³]**
Number of screws per connection:	n =	1	**[piece]**
Characteristic withdrawal parameter based on l_{ef}:	$f_{ax,k}$ =	11.2	**[N/mm²]**
Characteristic withdrawal parameter based on l_g:	$f_{ax,k}$ =	13.6	**[N/mm²]**
Screw tip length:	l_t =	8.0	**[mm]**
Head pull-through parameter, csk head, timber thickness t ≥ 20 mm:	$f_{head,k}$ =	12.0	**[N/mm²]**
Head diameter countersunk head:	d_h =	18.0	**[mm]**
Characteristic head pull-through capacity for countersunk head:	$F_{ax,\alpha,Rk}$ =	3.89	**[kN]**
Minimum timber width:	b =	80.0	**[mm]**
Minimum timber thickness:	h =	100.0	**[mm]**



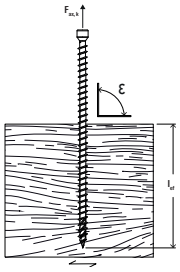
Screw-in angle ε [°] to the grain of the wood

l_{ef} [mm]	90 to 45	40	35	30
40	4,48	4,13	3,78	3,43
45	5,04	4,65	4,26	3,86
50	5,71	5,27	4,82	4,38
55	6,39	5,89	5,40	4,90
60	7,07	6,52	5,97	5,42
65	7,75	7,15	6,55	5,94
70	8,43	7,78	7,12	6,46
75	9,11	8,40	7,69	6,99
80	9,79	9,03	8,27	7,51
85	10,47	9,66	8,84	8,03
90	11,15	10,28	9,42	8,55
95	11,83	10,91	9,99	9,07
100	12,51	11,54	10,57	9,59
105	13,19	12,17	11,14	10,11
110	13,87	12,79	11,71	10,64
115	14,55	13,42	12,29	11,16
120	15,23	14,05	12,86	11,68
125	15,91	14,67	13,44	12,20
130	16,59	15,30	14,01	12,72
135	17,27	15,93	14,59	13,24
140	17,95	16,56	15,16	13,76
145	18,63	17,18	15,73	14,28
150	19,31	17,81	16,31	14,81
155	19,99	18,44	16,88	15,33
160	20,67	19,06	17,46	15,85
165	21,35	19,69	18,03	16,37
170	22,03	20,32	18,60	16,89
175	22,71	20,95	19,18	17,41
180	23,39	21,57	19,75	17,93
185	24,07	22,20	20,33	18,46
190	24,75	22,83	20,90	18,98
195	25,43	23,45	21,48	19,50
200	26,11	24,08	22,05	20,02
205	26,79	24,71	22,62	20,54

fischer PowerFull II fully threaded screws with cylinder- and countersunk head. Screw diameter 10,0 mm.

Characteristic tension load $F_{ax,\alpha,Rk}$ [kN] for: Nominal screw diameter: d = 10.0 mm

Characteristic tensile strength:	$f_{tens,k}$ =	37.8	**[kN]**
Wood quality:		C24	**[-]**
Characteristic timber density:	ρ_k =	350	**[kg/m³]**
Characteristic reference timber density:	ρ_a =	350	**[kg/m³]**
Number of screws per connection:	n =	1	**[piece]**
Characteristic withdrawal parameter based on l_{ef}:	$f_{ax,k}$ =	11.2	**[N/mm²]**
Characteristic withdrawal parameter based on l_g:	$f_{ax,k}$ =	13.6	**[N/mm²]**
Screw tip length:	l_t =	8.0	**[mm]**
Head pull-through parameter, csk head, timber thickness t ≥ 20 mm:	$f_{head,k}$ =	12.0	**[N/mm²]**
Head diameter countersunk head:	d_h =	18.0	**[mm]**
Characteristic head pull-through capacity for countersunk head:	$F_{ax,\alpha,Rk}$ =	3.89	**[kN]**
Minimum timber width:	b =	80.0	**[mm]**
Minimum timber thickness:	h =	100.0	**[mm]**



Screw-in angle ε [°] to the grain of the wood

l_{ef} [mm]	90 to 45	40	35	30
210	27,47	25,34	23,20	21,06
215	28,15	25,96	23,77	21,58
220	28,83	26,59	24,35	22,10
225	29,51	27,22	24,92	22,63
230	30,19	27,84	25,50	23,15
235	30,87	28,47	26,07	23,67
240	31,55	29,10	26,64	24,19
245	32,23	29,73	27,22	24,71
250	32,91	30,35	27,79	25,23
255	33,59	30,98	28,37	25,75
260	34,27	31,61	28,94	26,28
265	34,95	32,23	29,52	26,80
270	35,63	32,86	30,09	27,32
275	36,31	33,49	30,66	27,84
280	36,99	34,11	31,24	28,36
285	37,67	34,74	31,81	28,88
290	37,80	35,37	32,39	29,40
295	37,80	36,00	32,96	29,92
300	37,80	36,62	33,53	30,45

Max. screw length: l = 600 mm; Head height: h_h = 7,0 mm (cylinder head); h_{h2} = 8,0 mm (countersunk head); Tip length l_t = 8,0 mm; max. eff. Thread length l_{eff} = 580 mm.
Available screw length: 100, 120, 140, 160, 180, 200, 220, 240, 260, 280, 300, 320, 340, 360, 380, 400, 450, 500, 550, 600 mm.

$$F_{ax,\epsilon,Rk} = n_{ef} \cdot k_{ax} \cdot f_{ax,k} \cdot d \cdot l_{ef/g} \cdot \left(\frac{\rho_k}{\rho_a}\right)^{0,8} \; ; \; k_{ax} = min\begin{cases} 1,00 \\ 0,3 + \frac{(0,7 \cdot \epsilon)}{45°} \end{cases}$$

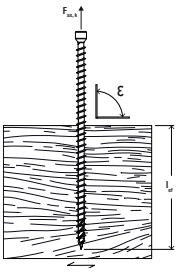
Edge- and spacing distances according ETA-21/0751 respectively DIN EN 1995-1-1 + NA. ETA-21/0751 as well as DIN EN 1995-1-1 have to be checked.
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On head side of the screws the values are also valid even if the effective embedment thread length l_{ef} of the screw part without thread under the head, will not be calculated.
The determination of the effective number of screws, for more than a single screw per connection has to be occured by ETA-21/0751, Annex D11, Formula (25).
All mechanical values given are to be considered within the context of the assumptions taken and represent example calculations.
Note: These figures are given solely to aid planning. Projects should always be calculated by structural engineers or support structure planners!
All values given are subject to misprint and printing errors.

Loads

fischer full thread screws PowerFull II with countersunk- and cylinder head. Screw diameter 10,0 mm.

Permissible tension load zul. F_{ax} [kN] for: Nominal screw diameter: d = 10.0 mm

Characteristic tensile strength:	$f_{tens,k}$ =	37.8	**[kN]**
Wood quality:		C24	[-]
Characteristic timber density:	ρ_k =	350	**[kg/m³]**
Characteristic reference timber density:	ρ_a =	350	**[kg/m³]**
Number of screws per connection:	n =	1	**[piece]**
Usage class:	NKL:	2	[-]
Class of load duration:	KLED:	short	[-]
Modification factor:	k_{mod} =	0.9	[-]
Partial safety factor for resistance timber:	γ_M =	1.3	[-]
Partial safety factor for resistance steel:	γ_M =	1.25	[-]
Partial safety factor for action:	γ_F =	1.4	[-]
Characteristic withdrawal parameter based on l_{ef}:	$f_{ax,k}$ =	11.2	**[N/mm²]**
Characteristic withdrawal parameter based on l_g:	$f_{ax,k}$ =	13.6	**[N/mm²]**
Screw tip length:	l_t =	8.0	**[mm]**
Head pull-through parameter, csk head, timber thickness t ≥ 20 mm:	$f_{head,k}$ =	12.0	**[N/mm²]**
Head diameter countersunk head:	d_h =	18.0	**[mm]**
Admissible head pull-through capacity for countersunk head:	$F_{ax,\alpha,Rk}$ =	1.92	**[kN]**
Minimum timber width:	b =	80.0	**[mm]**
Minimum timber thickness:	h =	100.0	**[mm]**



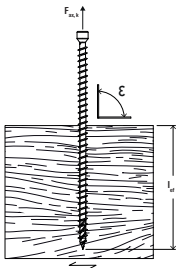
Screw-in angle ε [°] to the grain of the wood

l_{ef} [mm]	90 to 45	40	35	30
40	2,22	2,04	1,87	1,70
45	2,49	2,30	2,10	1,91
50	2,82	2,60	2,39	2,17
55	3,16	2,92	2,67	2,42
60	3,50	3,23	2,95	2,68
65	3,83	3,54	3,24	2,94
70	4,17	3,85	3,52	3,20
75	4,51	4,16	3,81	3,45
80	4,84	4,47	4,09	3,71
85	5,18	4,78	4,37	3,97
90	5,51	5,09	4,66	4,23
95	5,85	5,40	4,94	4,49
100	6,19	5,71	5,22	4,74
105	6,52	6,02	5,51	5,00
110	6,86	6,33	5,79	5,26
115	7,20	6,64	6,08	5,52
120	7,53	6,95	6,36	5,77
125	7,87	7,26	6,64	6,03
130	8,20	7,57	6,93	6,29
135	8,54	7,88	7,21	6,55
140	8,88	8,19	7,50	6,81
145	9,21	8,50	7,78	7,06
150	9,55	8,81	8,06	7,32
155	9,89	9,12	8,35	7,58
160	10,22	9,43	8,63	7,84
165	10,56	9,74	8,92	8,09
170	10,89	10,05	9,20	8,35
175	11,23	10,36	9,48	8,61
180	11,57	10,67	9,77	8,87
185	11,90	10,98	10,05	9,13
190	12,24	11,29	10,34	9,38
195	12,58	11,60	10,62	9,64
200	12,91	11,91	10,90	9,90
205	13,25	12,22	11,19	10,16

fischer full thread screws PowerFull II with countersunk- and cylinder head. Screw diameter 10,0 mm.

Permissible tension load zul. F_{ax} [kN] for: Nominal screw diameter: d = 10.0 mm

Characteristic tensile strength:	$f_{tens,k}$ =	37.8	**[kN]**
Wood quality:		C24	**[-]**
Characteristic timber density:	ρ_k =	350	**[kg/m³]**
Characteristic reference timber density:	ρ_a =	350	**[kg/m³]**
Number of screws per connection:	n =	1	**[piece]**
Usage class:	NKL:	2	**[-]**
Class of load duration:	KLED:	short	**[-]**
Modification factor:	k_{mod} =	0.9	**[-]**
Partial safety factor for resistance timber:	γ_M =	1.3	**[-]**
Partial safety factor for resistance steel:	γ_M =	1.25	**[-]**
Partial safety factor for action:	γ_F =	1.4	**[-]**
Characteristic withdrawal parameter based on l_{ef}:	$f_{ax,k}$ =	11.2	**[N/mm²]**
Characteristic withdrawal parameter based on l_g:	$f_{ax,k}$ =	13.6	**[N/mm²]**
Screw tip length:	l_t =	8.0	**[mm]**
Head pull-through parameter, csk head, timber thickness t ≥ 20 mm:	$f_{head,k}$ =	12.0	**[N/mm²]**
Head diameter countersunk head:	d_h =	18.0	**[mm]**
Admissible head pull-through capacity for countersunk head:	$F_{ax,\alpha,Rk}$ =	1.92	**[kN]**
Minimum timber width:	b =	80.0	**[mm]**
Minimum timber thickness:	h =	100.0	**[mm]**



Screw-in angle ε [°] to the grain of the wood

l_{ef} [mm]	90 to 45	40	35	30
210	13,59	12,53	11,47	10,42
215	13,92	12,84	11,76	10,67
220	14,26	13,15	12,04	10,93
225	14,59	13,46	12,32	11,19
230	14,93	13,77	12,61	11,45
235	15,27	14,08	12,89	11,70
240	15,60	14,39	13,18	11,96
245	15,94	14,70	13,46	12,22
250	16,28	15,01	13,74	12,48
255	16,61	15,32	14,03	12,74
260	16,95	15,63	14,31	12,99
265	17,28	15,94	14,60	13,25
270	17,62	16,25	14,88	13,51
275	17,96	16,56	15,16	13,77
280	18,29	16,87	15,45	14,02
285	18,63	17,18	15,73	14,28
290	18,97	17,49	16,02	14,54
295	19,30	17,80	16,30	14,80
300	19,64	18,11	16,58	15,06

Max. screw length: l = 600 mm; Head height: h_h = 7,0 mm (cylinder head); h_{h2} = 8,0 mm (countersunk head); Tip length l_t = 8,0 mm; max. eff. Thread length l_{ef} = 580 mm.
Available screw lengthAvailable screw length: 100, 120, 140, 160, 180, 200, 220, 240, 260, 280, 300, 320, 340, 360, 380, 400, 450, 500, 550, 600 mm.

$$\text{zul. } F_{ax,\epsilon} = \min\left\{\frac{k_{mod} \cdot F_{ax,\epsilon,Rk}}{\gamma_M \cdot \gamma_F}; \frac{f_{tens,k}}{\gamma_M \cdot \gamma_F}\right\}$$

Edge- and spacing distances according ETA-21/0751 respectively DIN EN 1995-1-1 + NA. ETA-21/0751 as well as DIN EN 1995-1-1 have to be checked.
Stated loads are exclusively valid for single screws on side of screw tip.
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The determination of the effective number of screws, for more than a single screw per connection has to be occured by ETA-21/0751, Annex D11, Formula (25).
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13

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