

Dealer:

[www.fischer-international.com](http://www.fischer-international.com)



**fischer stands for**

Fixing Systems  
Automotive  
fischertechnik  
Consulting  
Electronic Solutions

---

fischerwerke GmbH & Co. KG  
Klaus-Fischer-Straße 1 · 72178 Waldachtal  
Germany  
T +49 7443 12-0  
[www.fischer-international.com](http://www.fischer-international.com) · [info@fischer.de](mailto:info@fischer.de)

---

**fischer** 

**Gas actuated fastening  
tool FGW 90F.  
Quick and easy  
fastening in wood.**



# Quick and easy fastening in wood.



Easy and tool free nail depth adjustment for various applications.

High-grip nose for optimized working precision.

High performance gas fuel cell, which operates down to -15°C with more than 1,100 fixings per fuel cell.



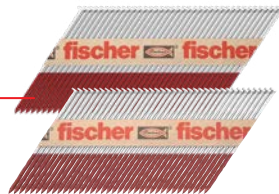
Possibility to use the protective cap to protect the timber surface in visible areas.



Adjustable hook for the use as belt or rafter hook.

Powerful rechargeable battery with Lithium-Ion power and battery-LED status display for high productivity with more than 8,000 fixings per charge.

Wide range of nails (50-90mm length) in ring and smooth shank for various applications from which up to 60 nails fit into the magazine.



Quick push-load magazine for an easy nail insertion. Suitable for D-headed and full head nails. The safety clip prevents the nails from falling out and ensures safe reinsertion.

Approval



# Advantages, functionality and installation.

## Advantages at a glance

- The 90 joules power of the fischer gas actuated fastening tool FGW 90F ensures correct penetration into the working surface. The cycle rate of up to three fixings per second increases the productivity.
- An easy nail depth adjustment wheel allows to choose how to set the nails – flush or fully embedded for various applications.
- The FGW 90F has a long lifetime and durability with service intervals after every 20,000 fixings.\*
- The wide range of nails provides a perfect match for solid wood, laminated timber, plywood as well as chipboard, fiberboard and veneer materials.
- Increase in productivity due to the powerful rechargeable battery with Li-Ion power that enables more than 8,000 fixings with one charge\* and is also compatible with the FGC 100.
- With the battery-LED status, the remaining battery power and the status of the tool are displayed. This prevents a standstill at the construction site.
- In case of running out of battery, a 10 minutes charge allows you to shoot at least another 300 nails. To fully charge the battery it takes 90 minutes.\*
- Adjustable hook for the use as belt or rafter hook to ensure safe storage of the tool when not in use.
- The FGW 90F is delivered as standard in the practical XL-BOXX, which is fully compatible with the L-BOXX.

\*under standard conditions

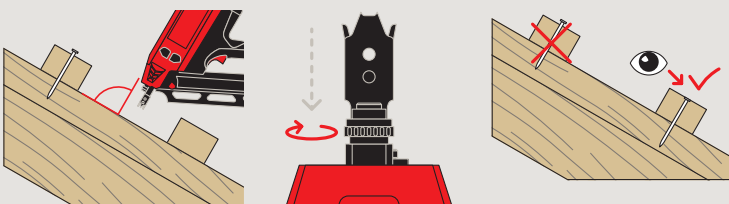
## Functionality

- The fischer gas actuated fastening tool is suitable for a fast and reliable installation of e. g. wood framing or roof battens in all directions.
- For optimum installation, the tool must be positioned correctly on the working surface.
- The tool will operate within the temperature range of -7°C to +50°C.
- The tool has a weight of 3.8kg and the following dimensions:  
L 390 mm x W 108 mm x H 381 mm.

## General installation instruction



## Instruction for adjusting the embedment depth



# Applications

## Timber framing



For the fast and reliable fixing in timber framing

## Roof battens



The ability of fixings in fast frequency enables to get the work done quickly

## External cladding



Protective cap to protect the timber surface in visible areas e.g. external cladding

## Stud work



The FGW 90F has a perfect balance for overhead fixings

## Fencing



Easy infinitely nail depth adjustment for various applications

## Over boarding



The FGW 90F is suitable to cover insulation fills

## Truss work



High-grip nose for optimized working precision

## Flooring



For fixings of boards on floors

## Packaging



The FGW 90F is suitable for various applications

# Assortment and accessories

## fischer Set FGW 90F



XL-BOXX

Article description	Art.-No.	Content description	Content quantity
Set FGW 90F <sup>1)</sup>	560040	Detailed content in the next table, XL-BOXX, incl. charging plug for EU	1
	560041	Detailed content in the next table, XL-BOXX, incl. charging plug for UK	1
	560042	Detailed content in the next table, XL-BOXX, incl. charging plug for US	1
	560043	Detailed content in the next table, XL-BOXX, incl. charging plug for AUS	1

<sup>1)</sup> possibly further variants

## The fischer Set FGW 90F includes:



Tool



Battery charger



Li-Ion battery

Article description	Content quantity	Technical description
fischer gas actuated fastening tool FGW 90F	1	90 joules setting energy, 3.8 kg with battery, 34° angle of magazine, Capacity of 60 nails
Protective cap	1	To protect the timber surface in visible areas
Battery charger BC 7.2V	1	Input 100-240V, Output 8.4V – 2A
Li-Ion battery B 7.2V	1	> 8,000 fixings per charge – at least 2.5 Ah
Hex wrench	2	–
XL-BOXX	1	XL-BOXX is fully compatible with the L-BOXX

## Accessories of the fischer gas actuated fastening tool FGW 90F



Battery charger



Li-Ion battery

Article description	Art.-No.	Sales unit [pcs/pkg]	Technical description	
Battery charger <sup>1)</sup>	BC 7.2V	553414 (EU) <sup>2)</sup>	1	Input 100-240V, Output 8.4V – 2A
	BC 7.2V	553588 (UK) <sup>2)</sup>	1	Input 100-240V, Output 8.4V – 2A
	BC 7.2V	553589 (US) <sup>2)</sup>	1	Input 100-240V, Output 8.4V – 2A
	BC 7.2V	553590 (AUS) <sup>2)</sup>	1	Input 100-240V, Output 8.4V – 2A
Li-Ion battery	B 7.2V	553415	1	> 8,000 fixings per charge – at least 2.5 Ah

<sup>1)</sup> possibly further variants<sup>2)</sup> country specific charging plug

# Assortment and accessories

Assortment for fixings with the fischer gas actuated fastening tool FGW 90F

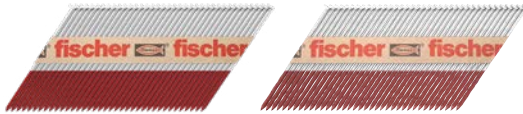


Fuel cell      Nails

Article description	Art.-No.	length [mm]	Shank diameter [mm]	Technical description	Sales unit [pcs/pkg]	
Fuel cell	FC 165	553416	165	-	For more than 1,100 fixings	1
	FC 165x2	538211	165	-	For more than 1,100 fixings	2
Nail and fuel cell package	FF NFP 51x2.8mm Ring Bright	534693	51	2.8	Bright nails with ring shank, including 3 fuel cells	3,300
	FF NFP 63x2.8mm Ring Bright	534694	63	2.8	Bright nails with ring shank, including 3 fuel cells	3,300
	FF NFP 75x2.8mm Ring Bright	534695	75	2.8	Bright nails with ring shank, including 2 fuel cells	2,200
	FF NFP 75x3.1mm Ring Bright	534699	75	3.1	Bright nails with ring shank, including 2 fuel cells	2,200
	FF NFP 90x3.1mm Smooth Bright	534700	90	3.1	Bright nails with smooth shank, including 3 fuel cells	3,300
	FF NFP 51x2.8mm Ring Galv	534703	51	2.8	Gvz nails with ring shank, including 3 fuel cells	3,300
	FF NFP 63x2.8mm Ring Galv	534704	63	2.8	Gvz nails with ring shank, including 3 fuel cells	3,300
	FF NFP 63x3.1mm Ring Galv	534705	63	3.1	Gvz nails with ring shank, including 2 fuel cells	2,200
	FF NFP 75x2.8mm Ring Galv	534706	75	2.8	Gvz nails with ring shank, including 2 fuel cells	2,200
	FF NFP 75x3.1mm Ring Galv	534707	75	3.1	Gvz nails with ring shank, including 2 fuel cells	2,200
	FF NFP 90x3.1mm Ring Galv	534701	90	3.1	Gvz nails with ring shank, including 2 fuel cells	2,200
	FF NFP 90x3.1mm Smooth Galv	534702	90	3.1	Gvz nails with smooth shank, including 2 fuel cells	2,200
	FF NFP 51x2.8mm Ring HDG	558077	51	2.8	Hdg nails with ring shank, including 3 fuel cells	3,300
	FF NFP 63x2.8mm Ring HDG	558075	63	2.8	Hdg nails with ring shank, including 3 fuel cells	3,300
	FF NFP 63x3.1mm Ring HDG	558076	63	3.1	Hdg nails with ring shank, including 2 fuel cells	2,200
	FF NFP 75x2.8mm Ring HDG	534710	75	2.8	Hdg nails with ring shank, including 2 fuel cells	2,200
	FF NFP 90x3.1mm Smooth HDG	558078	90	3.1	Hdg nails with smooth shank, including 2 fuel cells	2,200
	FF NFP 51x2.8mm Ring SS304	534713	51	2.8	Stainless steel nails (304/ 1.4301) with ring shank, including 1 fuel cell	1,100
	FF NFP 63x2.8mm Ring SS304	534714	63	2.8	Stainless steel nails (304/ 1.4301) with ring shank, including 1 fuel cell	1,100
	FF NFP 63x3.1mm Ring SS304	534779	63	3.1	Stainless steel nails (304/ 1.4301) with ring shank, including 1 fuel cell	1,100
FF NFP 75x3.1mm Ring SS304	534716	75	3.1	Stainless steel nails (304/ 1.4301) with ring shank, including 1 fuel cell	1,100	
FF NFP 90x3.1mm Smooth SS304	534717	90	3.1	Stainless steel nails (304/ 1.4301) with smooth shank, including 1 fuel cell	1,100	
Nail package	FF NP 51x2.8mm Ring Galv	558081	51	2.8	Gvz nails with ring shank	3,300
	FF NP 63x2.8mm Ring Galv	558082	63	2.8	Gvz nails with ring shank	3,300
	FF NP 63x3.1mm Ring Galv	558083	63	3.1	Gvz nails with ring shank	2,200
	FF NP 75x2.8mm Ring Galv	558084	75	2.8	Gvz nails with ring shank	2,200
	FF NP 75x3.1mm Ring Galv	558085	75	3.1	Gvz nails with ring shank	2,200
	FF NP 90x3.1mm Ring Galv	558079	90	3.1	Gvz nails with ring shank	2,200
	FF NP 90x3.1mm Smooth Galv	558080	90	3.1	Gvz nails with smooth shank	2,200
Cleaning kit	FGC 100 cleaning kit	553718	-	-	150 ml Cleaner, 100 ml Lubricating Oil and tool rubber sealing rings	1

# Nail application guide

## Nail selection



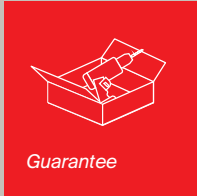
## Nails

Item	Art.-No.	Form work	Packaging	Stud work	Noggins	Joists	Timber Frame	Flooring	Roof Battening	Boarding	Roof Boarding	Cladding	Decking	EC5 Service Class
Bright	534693	•	•					•			•			1
	534694		•					•			•			1
	534695		•											1
	534699		•	•	•									1
	534700		•	•	•									1
Gvz	534703							•			•			1+2
	534704							•	•		•	•	•	1+2
	534705						•		•		•	•	•	1+2
	534706											•	•	1+2
	534707				•	•	•	•				•	•	1+2
	534701				•		•	•				•	•	1+2
	534702													1+2
Hdg	558077													3
	558075													3
	558076								•					3
	534710								•					3
	558078				•	•	•							3
Stainless steel 304	534713													3
	534714											•	•	3
	534779						•		•			•	•	3
	534716											•	•	3
	534717						•					•	•	3



# All services at a glance.

## Guarantee



When you purchase a new tool, you receive 2 years guarantee. If repairs are arising during this period, we will repair or replace your device free of charge.

## 5 years spare parts availability



We guarantee an 5-year availability of spare parts even after production is discontinued.

## 72 hours repair & return service



Within 72 hours after the fischer Service Center received your tool, it will be repaired maintained and will be delivered back to you.

## Repair price limit



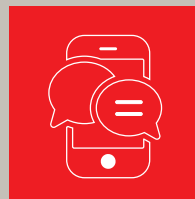
After guarantee has expired, the repair price doesn't exceed 50% of the original tool price.

## Disposal of old tools



At some point, even the most durable fischer machine has had its day. In this case, please contact your dealer or your fischer contact person for further information regarding the disposal.

## Product & application consulting



Our qualified staff will be happy to answer any questions you may have about fischer products.

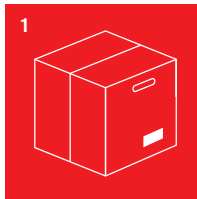
## Online Services



At [www.fischer-international.com/fgw](http://www.fischer-international.com/fgw) you will find all information about fischer services for our customers.

# Process of the fischer service.

## Pack



Remove the fuel cell and nails from your defective tool and put it inside the tool case/stable shipping carton. Attach the hazardous goods number in accordance with UN3481. Defective battery packs should not be shipped.



## Order return service and documents



Please contact your fischer contact person in order to arrange the return service and for all necessary return documents.



## Repair



Fast repair in the fischer Service Center.



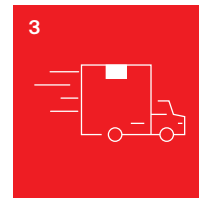
## Shipping



Parcel service returns the repaired tool maximum within 72 hours after the fischer Service Center received the tool.



## Return shipment



You have three options for the return of your tool:

1. Send the tool to the fischer subsidiary.
2. Hand the tool over to your trade partner.
3. Arrange a pick-up by the fischer subsidiary.

---

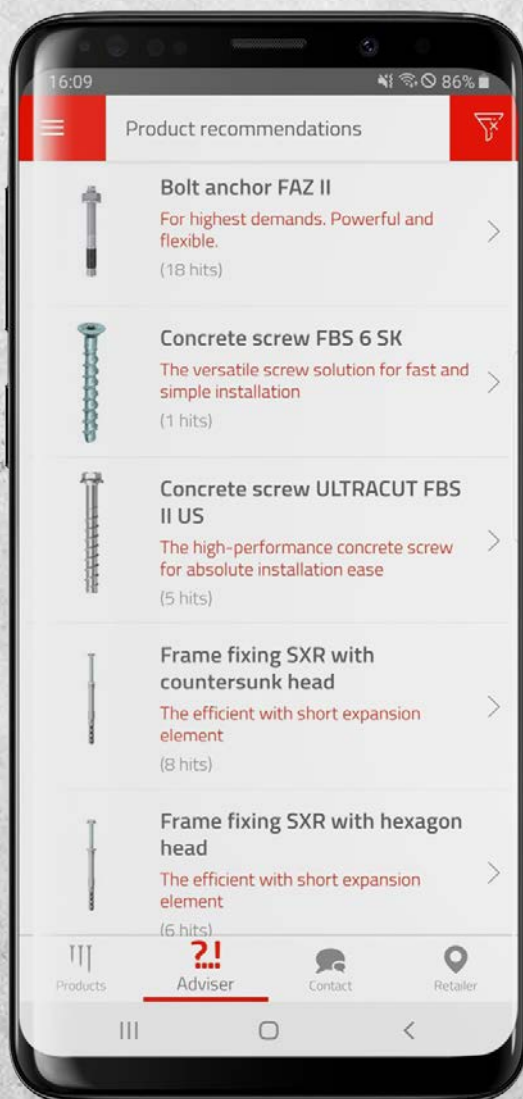
More information about the fischer services:  
[www.fischer-international.com/fgw](http://www.fischer-international.com/fgw)

---



# fischer Professional. The app for fixing professionals.

www.fischer-international.com



# Our 360° service to you.

From software solutions, to training, to personal consulting. As a reliable partner, we are always happy to assist you with words and deeds.



## Your advantages:

- Our products range from chemical resin systems to steel anchors through to nylon 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. Also on-site at the construction site if requested.
- Training sessions, some with accreditation, at your premises or at the fischer academy.
- Design and construction software for demanding applications.

# Design Software fischer FiXperience.

The fischer design Software FiXperience gives you safe and reliable support in measuring your projects whether you are a planner, structural engineer or craftsman. Measuring has never been so simple!



## Software and modules for your daily work.

- The modular design program includes engineering software and application modules.
- The software is based on international design standards (ETAG 001, EC1, EC2, EC3 and EC5), including the national application documents. All common force and measurement units are available.
- Incorrect input will be recognized and the software gives tips to get a correct result. This ensures a safe and reliable design every time.
- The graphical display can easily be rotated through 360°, panned, tilted or zoomed as required.
- The 3D display gives a detailed and realistic image.
- The “live update” feature helps to keep the program up to date ensuring you are always working with the latest version.
- Free download and updates at: [www.fischer.de/fixperience-en](http://www.fischer.de/fixperience-en)