



**fischer** 

**Cordless impact  
wrench FSS 18V.  
The specialists for  
concrete screws.**

# The specialists for concrete screws.

Robust die-cast aluminium casing for **optimal heat conduction and durability.**



FSS 18V 600

**Powerful rechargeable battery 4.0 Ah** with lithium-ion power and integrated capacity display for checking the charging status.



Belt hook for a **comfortable transport** of the cordless impact wrench.

Brushless motor for **smooth and fast assembly process.**



FSS 18V 400 BL

**Compatible battery** with all other CAS (Cordless Alliance System) devices.

The 12 settings allow the torque of the cordless impact wrench to be **individually adapted** to the application.



Working light for **optimum illumination** of the working area.

**Compatible battery** with all other CAS (Cordless Alliance System) devices.

Cordless Alliance System



# Advantages and functions

## Advantages at a glance

- The fischer cordless impact wrenches FSS 18V are compatible with all Cordless Alliance System (CAS) chargers and rechargeable batteries worldwide.
- The 12 levels of regulation allow the torque of the cordless impact wrench FSS 18V 400 BL to be individually adapted to the application.
- The brushless motor of the tangential impact wrench FSS 18V 400 BL has an overheat protection that increases safety while reducing downtime and wear.
- The fischer cordless impact wrenches FSS 18V guarantee low vibration despite an extremely high torque.
- The additionally accessories supplied as sockets and checking gauges, enable ease of installation and checking for reusability of the concrete screws FBS II gyz.
- The tools are delivered in the compatible L-Boxx, which can be connected by a click system.

## Functionality

- The fischer cordless impact wrenches FSS 18V are suitable for the installation of fischer ULTRACUT concrete screws of all diameters.
- Depending on the head shape of the concrete screw, either an appropriate socket or a special Torx bit is recommended for the installation.
- The concrete screw is first screwed in and then tightened by the percussion mechanism.
- If the screw head is in contact with the attachment, correct assembly of the concrete screw is guaranteed (optical setting check).

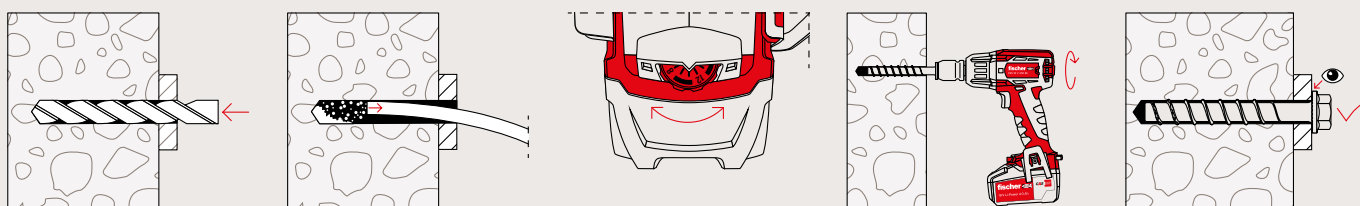
## Concrete screw installation with the fischer cordless impact wrench FSS 18V

The ULTRACUT FBS II is suitable for push-through installation. For vertical mounting (in ceilings and floor) no drill hole cleaning is necessary, only for drill holes in the floor 3x deeper than the drill hole diameter must be drilled.

In the European Technical Assessment the use of hollow drills (with automatic borehole cleaning) and diamond drilled boreholes are regulated.

For mounting, the fischer cordless impact wrench FSS 18V with corresponding socket or special bit with internal star drive – TX is recommended.

With the screw head resting against the anchor plate surface, so that the screw can no longer be screwed in any further, the correct assembly of the screw is guaranteed (optical setting control).



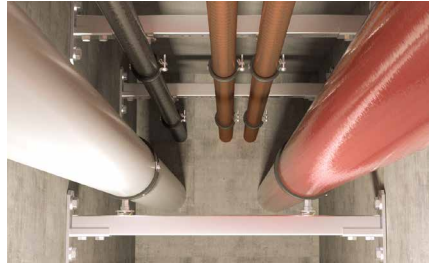


# Applications

## Applications with the fischer concrete screw



Handrail anchorages



Pipe runs



Canopies



Stadium seat anchorages



Balcony railing



Column feet

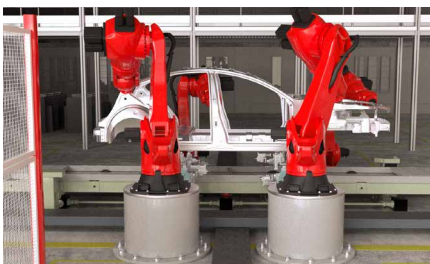


Shelving systems



Beam connections

## Other applications of the fischer impact wrench



Steel-steel connection

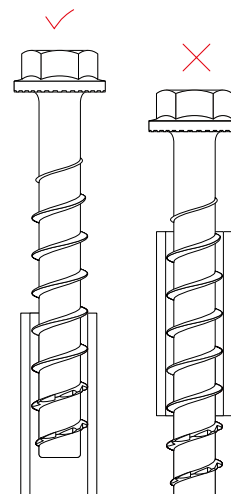


Tyre changes

# Advantages of the fischer concrete screw ULTRACUT FBS II.

## Advantages at a glance

- The FUP checking gauge enables checking of the reusability of FBS II 8 - 14 gvz for temporary fixings.
- No borehole cleaning is required for installations in ceilings and floors.
- The use of hollow drills is generally regulated in the European Technical Assessment and therefore no borehole cleaning required even for horizontal mounting.
- The variable anchoring depths of the fischer concrete screw FBS II enable flexible adjustment to the loads.
- With the fischer ULTRACUT concrete screw, it is permissible to loosen the screw twice by 20 mm in order to underlay a maximum 10 mm thick lining or to align the attachment and tighten the screw again.



**Checking gauge**  
**FUP**  
Reusability for temporary fixings

## Application with the fischer FSS 18V

With the use of the cordless impact wrench FSS 18V 400 BL the concrete screws with a diameter of 6 - 10 can be set. The FSS 18V 600 can be used to set

ULTRACUT FBS II concrete screws with a diameter of 10 - 14.

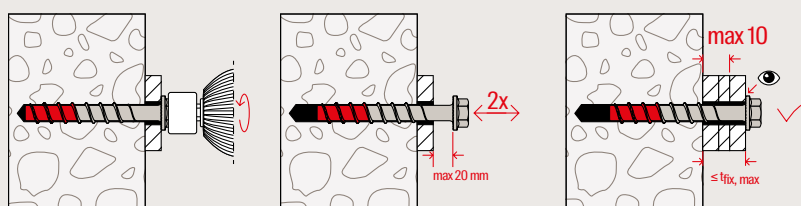
Concrete screw ULTRACUT FBS II 6 - 14 gvz/A4

		6	8	10	12	14
Maximum torque for installation with impact screw driver in concrete <sup>2)</sup>	T <sub>imp</sub> , max. gvz	450 <sup>1)</sup>	600	650	650	650
	T <sub>imp</sub> , max. A4	-	450	450	650	-

1) Screw-in depth <35 mm 80 Nm.

2) The values apply to concrete strength of approx. 40 N/mm<sup>2</sup>, for other concrete strength classes the values may differ. The conversion of nominal output into effective tightening torque varies from machine to machine – always therefore use torque control.

## \* Adjustment of the fixture



# Assortment and technical data

## Assortment

Range: Cordless impact wrench FSS 18V 400 BL and FSS 18V 600



FSS Set		FSS 18V 400 BL		FSS 18V 600		FSS-B battery 4.0 Ah		FSS-BC battery charger, air-cooled		
			Belt hook	Socket	Checking gauge FUP for concrete screw diameter		Battery 4.0		Battery charger	Packaging
Article description		Art.-No	FSS BH	[SW] 10/13/15	15/17/21	8/10	12/14	[Ah] 1x	2x	Type EU Equipment case, stackable
FSS 18V 400 BL	Set 1	552922	●	●	–	●	–	–	–	●
	Set 2	552924	●	●	–	●	–	●	–	●
	Set 3	552926	●	●	–	●	–	–	●	●
FSS 18V 600	Set 1	552923	●	–	●	–	●	–	–	●
	Set 2	552925	●	–	●	–	●	●	–	●
	Set 3	552927	●	–	●	–	●	–	●	●

## Technical data

Cordless impact wrench FSS 18V 400 BL and FSS 18V 600

Article description	Battery voltage [V]	Max. idle speed [min]	Max. number of strokes [min]	Max. torque [Nm]	Torque levels	Tool mounting	Vibration impact screws [m/s <sup>2</sup> ]	Sound power level <sup>3)</sup> [dB (A)]	Sound pressure level <sup>3)</sup> (LwA) [dB (A)]	Weight with battery [kg]
FSS 18V 400 BL	18	0-2150	4250	400	12	Outer square 1/2" (12.70 mm)	12 <sup>1)</sup>	111	100	1.9
FSS 18V 600	18	0-1600	2200	600	1	Outer square 1/2" (12.70 mm)	5.9 <sup>2)</sup>	107	96	3.1

1) Measurement uncertainty K → 1.5 m/s<sup>2</sup>2) Measurement uncertainty K → 5.9 m/s<sup>2</sup>

3) Measurement uncertainty K → 3.0 dB(A)

## Assortment & technical data

Battery FSS-B 18V 4.0 Ah and battery charger FSS-BC 12-36V

Article description	Art.-No	CAS-compatible	Type of battery	Battery capacity [Ah]	Mains voltage [V]	Mains frequency [Hz]	Max. charge amperage [A]	Mains plug type	Weight of battery [g]	Suitable for battery voltage [V]	Environmental conditions		Vibration & shock impact [G]
											Storage & Processing [°C]	Air humidity [%]	
FSS-B 18V 4.0 Ah	552930 <sup>1)</sup>	●	Lithium-Ion	4.0	–	–	–	–	670	–	-20 – +60	< 90	< 5
FSS-BC 12-36V EU	552931 <sup>1)</sup>	●	–	–	230 – 240	50 – 60	3	(EU)	–	12 – 36	–	–	–
FSS-BC 12-36V UK	552932 <sup>1)</sup>	●	–	–	230 – 240	50 – 60	3	(UK)	–	12 – 36	–	–	–

1) Battery may only be charged with fischer or CAS chargers.

# Accessories for the installation

## Assortment for the installation of ULTRACUT FBS II



Checking gauge FUP	Socket SW 10	Socket SW	Socket TX	FMB T40 Maxx Bit	Profi-Bit FPB T50 5/16"	
Article description	Art.-No	Inside-Ø [mm]	Drive [mm]	Suitable for ULTRACUT FBS II [SW/TX]	Sales unit [Pcs.]	
Checking gauge FUP 8	537200	9,9	-	FBS II 8	1	
Checking gauge FUP 10	537201	12,0	-	FBS II 10	1	
Checking gauge FUP 12	537202	13,0	-	FBS II 12	1	
Checking gauge FUP 14	537203	15,0	-	FBS II 14	1	
Socket SW 10	538577	-	1/2" / SW 10	FBS II 6	1	
Socket SW 13	538578	-	1/2" / SW 13	FBS II 6 / FBS II 8	1	
Socket SW 15	538579	-	1/2" / SW 15	FBS II 10	1	
Socket SW 17	538580	-	1/2" / SW 17	FBS II 12	1	
Socket SW 21	538581	-	1/2" / SW 21	FBS II 14	1	
Socket TX <sup>1)</sup>	538575	-	1/2" – 1/4"	FBS II 6 P/LP/SK + FBS II 8	1	
Socket TX50 <sup>2)</sup>	538576	-	1/2" – 5/16"	FBS II 10 / FBS II 10 SK	1	
FMB T30 Maxx Bit W5	533158	-	TX 30	FBS II 6	5	
FMB T40 Maxx Bit W5	533159	-	TX 40	FBS II 8 / FBS II 8 SK	5	
FPB Profi-Bit T 50 5/16"	538574	-	TX 50	FBS II 10 SK	1	

1) Suitable for FMB T30 Maxx Bit and FMB T40 Maxx Bit

2) Suitable for FPB Profi-Bit T50 5/16"

# All services at a glance.

## Warranty



When you purchase a new tool, you receive 1 year warranty as a B2B-customer\* on your impact wrench and 3 years on the battery pack. If justified repairs are arising during this period, we will repair or replace your device free of charge.

## 8 years spare parts availability



We guarantee an 8-year availability of spare parts even after production is discontinued.

## 72 hours repair service



Within 72 hours your machine or accessories will be repaired & maintained and will leave the fischer service factory.

## Repair fixed prices



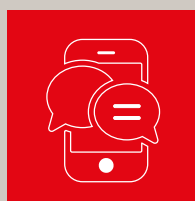
In addition to repairs, fischer customers also receive a complete inspection and cleaning service. Another advantage: We work with a fixed-price system.

## Free disposal of old tools



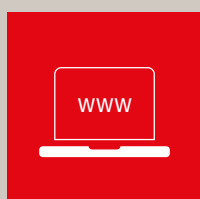
At some point, even the most durable fischer machine has had its day. In this case, we will be happy to take care of the proper disposal for you. To do this, simply contact your dealer or your fischer contact person directly.

## Product & application consulting



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

## Online Services



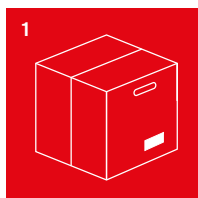
At **[www.fischer-international.com/service](http://www.fischer-international.com/service)** you will find all information about fischer services for our customers.

\* As an end-user you receive 2 years warranty on the impact wrench in Europe.



# Process of the fischer service.

## Pack



Pack defective machine safely for transport in a stable shipping carton or a fischer equipment case. Attach the hazardous goods number to the shipping carton for the impact wrench in accordance with UN 3481. Defective battery packs should not be shipped.



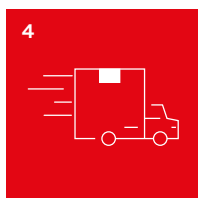
## Transport papers



Fill in the transport documents and put them in the transport case of the machine. Please contact your fischer contact person for the necessary documents or download them directly from [www.fischer-international.com/service](http://www.fischer-international.com/service)



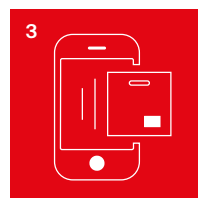
## Pick-up



Pick-up at the fastest possible time.



## Order pick-up service



Pick-up is ordered by your fischer contact person or the fischer contact person picks up the goods from you. Parcel service providers should not be commissioned themselves.



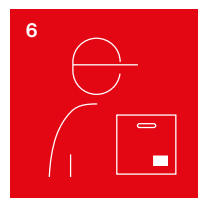
## Repair



Fast repair in the Service Center maximum within 72 hours after collection of the tool.



## Shipping



Parcel service returns the repaired machine.

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



# Cordless Alliance System (CAS)



**Cordless Alliance System (CAS)** is a cross-manufacturer battery pack system of leading power tool brands.

This means that a large number of professional applications are now also possible with rechargeable batteries from standard to special tasks.

#### The advantages at a glance:

The system ensures 100% of machines, battery packs and chargers combination between different manufacturers without any problems.

CAS uses the worlds most powerful battery pack system in the industry with more than 30 years of battery pack expertise.

CAS also offers the highest reliability and high investment security of a guaranteed future-proof battery system.

You achieve clear cost advantages through the multiple use of existing batteries from other CAS partners.

You can easily switch between CAS manufacturers without having to purchase a new battery.

Learn more: [www.cordless-alliance-system.com](http://www.cordless-alliance-system.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 planer, 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)

Dealer:

[www.fischer.de](http://www.fischer.de)



**fischer stands for**

FIXING SYSTEMS  
AUTOMOTIVE  
FISCHERTECHNIK  
CONSULTING  
LNT AUTOMATION

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