



Truck-mounted concrete pump BSF 47-5

Fully flexible performance package on four axles

Highlights

BSF 47-5

LARGE REACH

LIGHTWEIGHT AND VERSATILE

ON 4 AXLES

FULL FLEXIBLE SUPPORT

ERGONIC® 3

TOP PERFORMANCE

#1

SUPPORT –
FLEXIBLE SETUP.
RELIABLE IN USE.

#2

BOOM –
LARGE REACH.
PRECISE MOVEMENT.

#3

ERGONIC® 3 –
INTUITIVE CONTROLS.
COMPLETE CONTROL.

#4

CONSTRUCTION SITES –
FLEXIBLE IN USE.
STRONG IN RESULTS.

#5

SAFETY –
SAFETY FOR MACHINE OPERATORS.
PROTECTING YOUR INVESTMENT.

COMPLETELY FLEXIBLE WITH FULLFLEX SUBSTRUCTURE iSC / iSA

FLEXIBLE, COMPACT
AND SAFE IN USE



Unrivalled flexibility when setting up the machine, thanks to fully flexible support combined with iSC.

iSC (intelligent Setup Control), the support system from Putzmeister, ensures absolute control, enabling you to work flexibly in accordance with the EN 12001:2012 standard.

Based on the selected support configuration, the system calculates the **boom's safe working range in real time**.

This takes into account various parameters, including the **weight of the concrete**, as well as other influencing factors – ensuring **safe working conditions in all circumstances**.

* EN 12001:2012: The standard stipulates that the interaction between the support, the movements of the distribution boom and the pumping function must be controlled automatically.

PERFECT BOOM DESIGN 5 ARMS RZ FOLDING

**YOUR AMBITIOUS GOALS –
ALWAYS WITHIN REACH**

The 5-arm boom with roll-Z fold system has **excellent slip characteristics**. It can be deployed quickly and makes optimum use of the effective **vertical reach of up to 47 m** – and thus also maximizes the range of jobs it can take on.

The **intelligent laying of the delivery line** and the stiffness of the steel structure keep placing **boom vibration to a minimum**. Concrete distribution is safer and efficient.



iBC

**BOOM MOVEMENT
SAFE AND PRECISE**

The **iBC control system (Intelligent Boom Control)** enables automatic, collision-free folding and unfolding of the boom and ensures smooth, precise movements thanks to active damping.

All boom functions can also be operated using a one-hand control. Individually adjustable speeds for boom sections and the slewing mechanism, as well as lockable boom segments, enhance control and safety on construction sites.

Additional safety for complex obstacles

A maximum and minimum value can be specified for every hinge position. The intelligent teach-in function transfers the limits for the uppermost hinge to all others, for example to prevent collisions with the ceiling in low buildings.



ERGONOMICS

EVERYDAY WORK WITHOUT BARRIERS

Every step, every handle and every control is designed to assist the operator. Ergonomic access points provide comfortable and safe access to the hopper and deck. Consistent, high-quality lighting helps to ensure the machine can be set up and operated safely, even in poor lighting conditions.

ERGONIC® 3

A CONTROL SYSTEM THAT THINKS FOR ITSELF

Ergonic® 3 ensures a consistent user experience across all Putzmeister products. The menu structure on the remote control and display is virtually identical, with the most important functions logically grouped and easily accessible.



CONTROLS – INTELLIGENTLY DESIGNED AND THOUGHTFULLY POSITIONED

Just one example among many is the lowered levers and a well-protected keypad with a cover. The operator can set up the machine using the levers. The control cabinet is easily accessible under the side flaps.

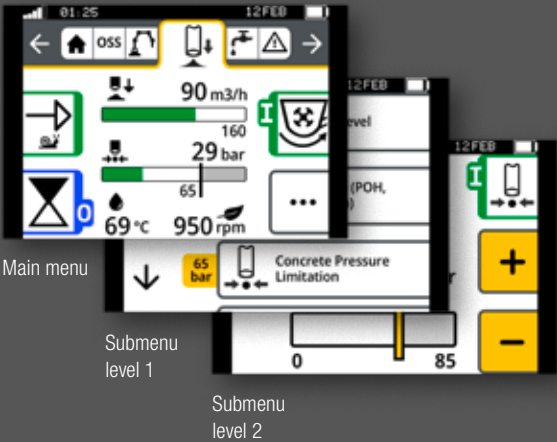


TOP FEATURES

- # Wide, safe walkways and directly accessible controls
- # Lighting for safety even in low-light conditions
- # High occupational safety standards in accordance with relevant regulations
- # Intelligent control software with intuitive operation

STAYING ON TOP OF THINGS – IN ANY SITUATION

- # The “static” menu bar guides users through the menu – with no chance of “getting lost”.
- # Neatly and intuitively arranged functions.
- # Simple menu structure with a maximum of two submenu levels.
- # Main menu with all standard functions and additional details in submenus.



Consistent concept on all “switching centres”

- # The menu structure is nearly identical on the remote control and the graphic display.
- # Hardware and software are perfectly matched at all operating positions.
- # The same intuitive operation on all Putzmeister products – without requiring a lot of training.



The additional screen on the control cabinet uses the same concept and offers a variety of information, settings and options.

Core pump & drive technology

POWERFUL PUMPS
EFFICIENT CONTROL
TOP PERFORMANCE

Packs a real punch for big jobs

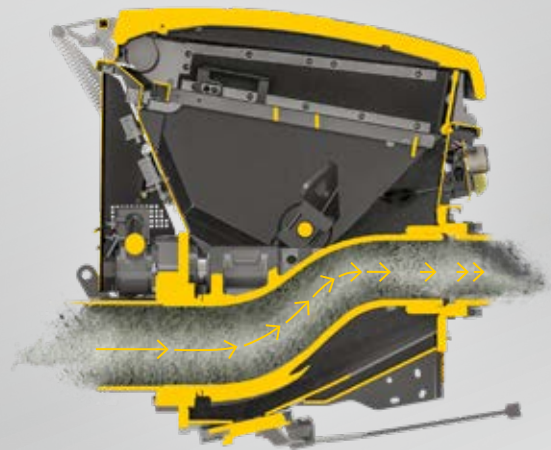
Like all Putzmeister truck-mounted concrete pumps, the BSF 47-5 is available with different pumps with a delivery pressure of 85 bar: The 16H with two chromium-plated delivery cylinders (dia. 230 mm), which is cheaper in comparison, and the 17iLS / 19iLS (dia. 250 mm) with a delivery rate of up to 190 m³/h,

The large cylinder diameter means a greater volume of concrete per stroke, reducing the number of strokes required. This translates to less wear and tear, a smoother pumping process, and reduced strain on the boom and vehicle. The combination of free-flow hydraulics, optimised switching behaviour and intelligent control ensures efficient, material-friendly pumping.

The enhanced 17iLS / 19iLS also offer numerous benefits and improvements:

- # Fuel saving of up to 25 % with EOC 2.0 (field tested with multiple pumps for international applications)
- # More efficient pumping: Oil leaks prevented by improved sealing system
- # Better pump start-up behaviour
- # Longer service life thanks to robust S transfer tube bearing

Type	Output m³/h	Pressure bar	Stroke mm	Cylinder Ø mm	Strokes/min
16 H	160	85	2100	230	31
17 iLS	170	85	2100	250	27
19 iLS	190	85	2100	250	30



TOP FEATURES of iLS pumps

- # Up to 190 m³/h at 85 bar
- # The most durable core pump on the market
- # Virtually no leakage/stroke compensation
- # Fewer strokes thanks to large cylinder volume
- # Heavy-duty construction for the most demanding tasks
- # Lower service, maintenance and operating costs
- # Extended service life of wear parts
- # Smooth pumping action, reduced vibrations on the boom and chassis
- # Simplified operation and maintenance

EOC & sustainability



TOP FEATURES

- # With EOC: Engine speed matched to the delivery rate
- # Significant fuel savings (depending on application)
- # Reduced noise emissions on site
- # Free-flow hydraulics with high-quality oil and low maintenance requirements
- # Optimised pump geometry for demanding concrete mixes

The hydraulic and control systems of the 60 m class are designed to strike an optimal balance between performance and fuel consumption.

With EOC (Ergonic® Output Control), the engine speed is adjusted to the required flow rate – reducing fuel consumption, noise and wear.

At the same time, the optimised pump geometry and improved sealing systems ensure better suction conditions and lower oil consumption.

BSF 47-5 iONTRON

FOR AN
ENVIRONMENTALLY
FRIENDLY CON-
STRUCTION SITE

ZERO CO₂ EMISSIONS*
MAX. NOISE PROTECTION
FLEXIBILITY

BSF 47-5
iONTRON

iONTRON

Operable with
63 A
125 A



#1

Pumping concrete
with zero emissions

Putzmeister iONTRON makes it possible to pump concrete on construction sites without producing any emissions. Depending on the local electricity mix, CO₂ emissions can be reduced by up to 100 %*.

#2

Sound level
cut in half

Low-noise machines are required wherever it is important to protect residents. With iONTRON, the noise level can be reduced by up to 50 %.

#3

Plug &
Pump

Working in electric mode is very straightforward: Simply plug the connector into the site power supply (125 A, alternatively 63 A) and start pumping – no additional batteries required!

#4

Perfect for
typical site use

The powerful electric motor of the iONTRON covers typical site use applications with a delivery rate of up to 100 m³/h in electric operation.

#5

Less weight,
more space

The iONTRON hybrid is a world first thanks to the new solution integrated in the pump train, which saves space and reduces the weight. Patent pending.

#6

One switch for
maximum flexibility

The pump can be powered with diesel or electricity. All it takes to switch between the two during operation is the press of a button.

#7

Zero-emission
operation

A standardised range is available in the 20 to 40-metre class. The 16H, 15iLS and 17iLS core pumps are available for the BSF 47-5 iONTRON.

* Depending on local electricity mix.

PROTECTING YOUR INVESTMENT SAFETY FOR WORKERS

COMPLIANCE WITH STANDARDS IS THE BASIS

Putzmeister complies with all applicable safety standards and regulations – consistently and without compromise.



SAFETY CONSISTENTLY IMPLEMENTED

In addition, a wide range of optional assistance and monitoring systems are available to further enhance the operator's active safety – depending on the application, region and requirements.

**More support in everyday operations.
Greater safety in complex situations.**



SAFETY HOOK FOR MAINTENANCE WORK

Increases the safety of the service technician when working on the machine.

DETAILS THAT MATTER IN AN EMERGENCY

It is often not the major features, but the well-thought-out details that make all the difference at the crucial moment – for the machine operator, the construction site and the investment. A safety concept you can rely on in the field.



SAFETY CHAIN FOR CLEANING PINS

Improves road safety and protects vehicles behind.



BOOM POSITION SWITCH WITH WARNING FUNCTION

Protection against collisions during transport and passage.



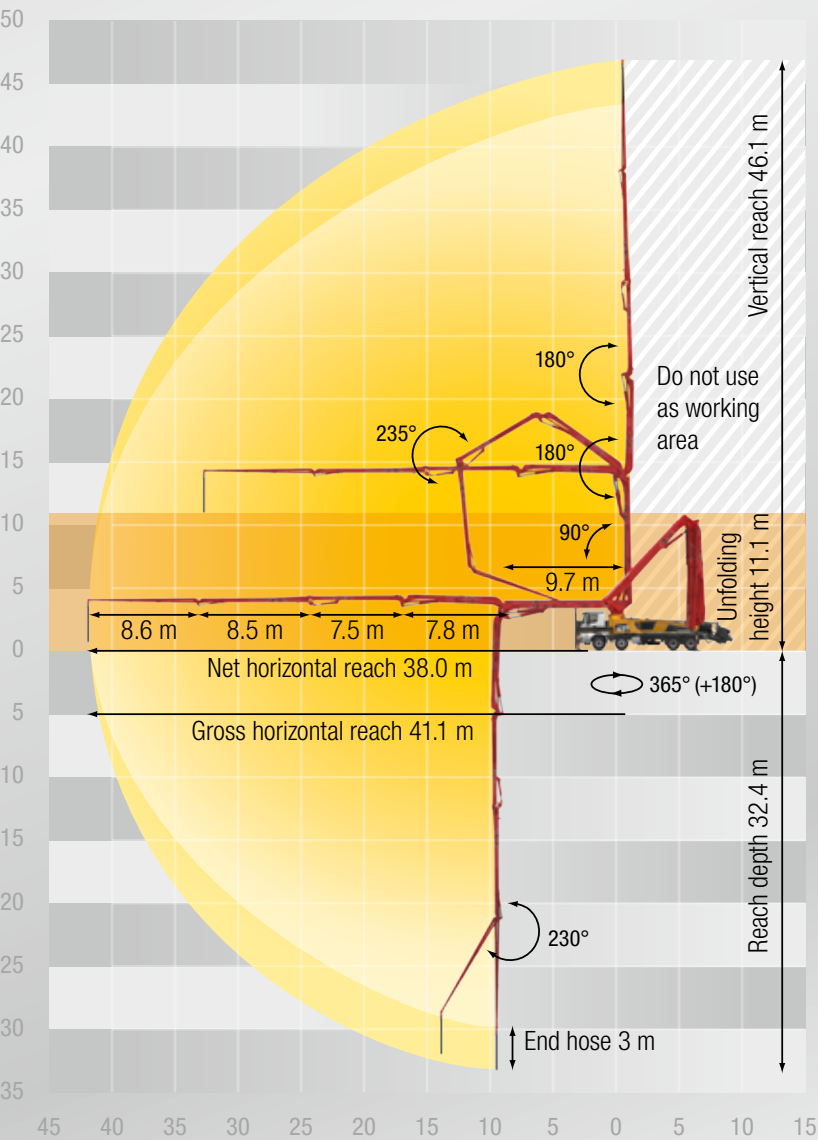
REMOTE CONTROL HOLDER WITH SIGNAL

Reduces the risk of loss and avoids unnecessary replacement costs.

Technical data

Placing boom BSF 47-5

Folding type	5-arm Roll-Z fold system (RZ)
Vertical reach	46.1 m
Horizontal reach	41.1 m gross
Reach depth	32.4 m
Unfolding height	11.1 m
Length of end hose	3 m
Delivery lines	DN 125
Slewing range	365°

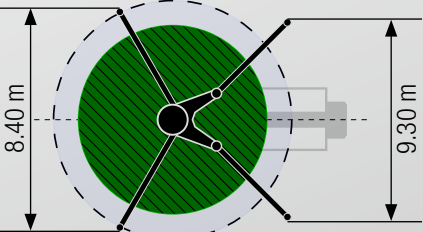


General

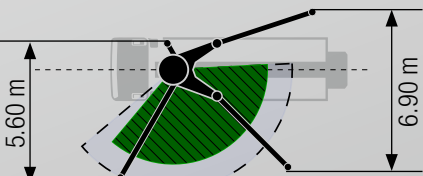
Support width	front	/ rear
Standard	8.4 m	/ 9.3 m
OSS	5.6 m	/ 6.9 m
iSC	2.6 – 8.4 m	/ 2.6 m – 9.3 m
Total length	11.9 m	
Height	under 4.0 m	

Support width measured from the centre of the support leg

Standard – Full support

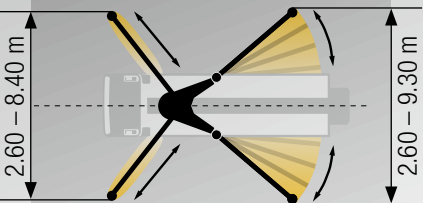


OSS* – One-sided support



* Not EEA, no CE marking

iSC** – Full flexible support



** EEA, CE marking



Equipment lines

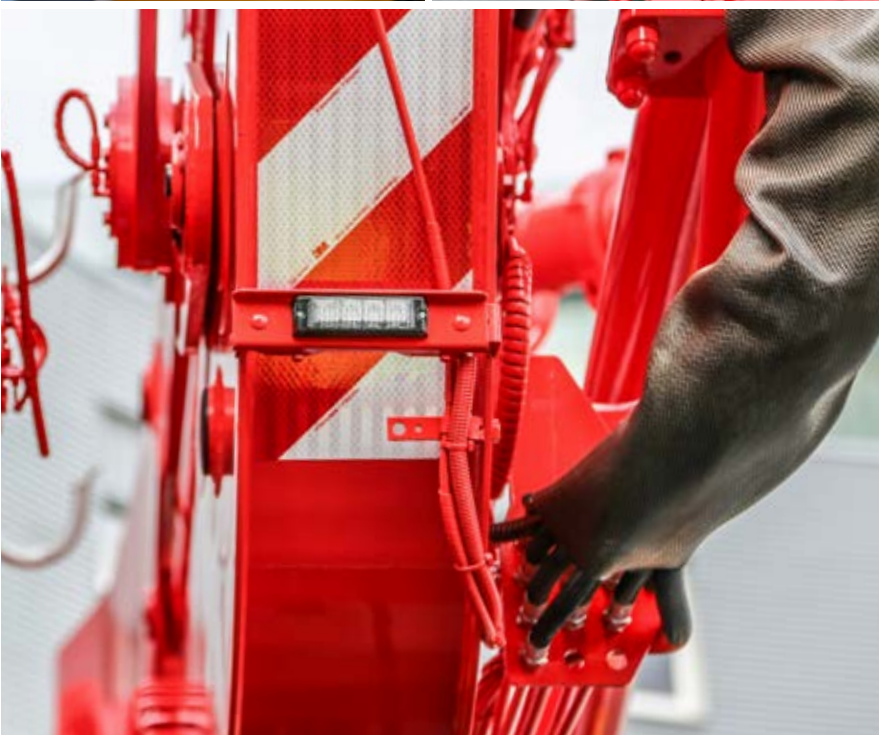
To make it easier to select from the numerous configuration options, three equipment lines, as well as a few option packages, are available.

Standard line

This equipment includes components which Putzmeister considers to be an economic standard for working efficiently and safely. Combined with the "German/EU road use approval" option package, the machine is ready for use throughout Europe.

High Line

The high line provides easier operation, reduce maintenance costs and increased lighting comfort.



Better with everything included

PREMIUM STANDARD

Putzmeister truck-mounted concrete pumps come with many key features as standard. This means working at the highest level of safety and comfort.

- # Integrated pressure limitation during pumping
- # Cruise Control adjusts the engine speed to the required power output
- # Automatic cleaning (on iLS pumps)
- # Automatic combined lubrication
- # Locking of boom arms and slewing gear
- # Fault management
- # E-learning module
- # Free-flow hydraulics for greater performance and lower costs
- # And more features. Ask your sales partner.

And it's all included, without any extra cost!

ALL THAT IS GOOD PUTZMEISTER SERVICE

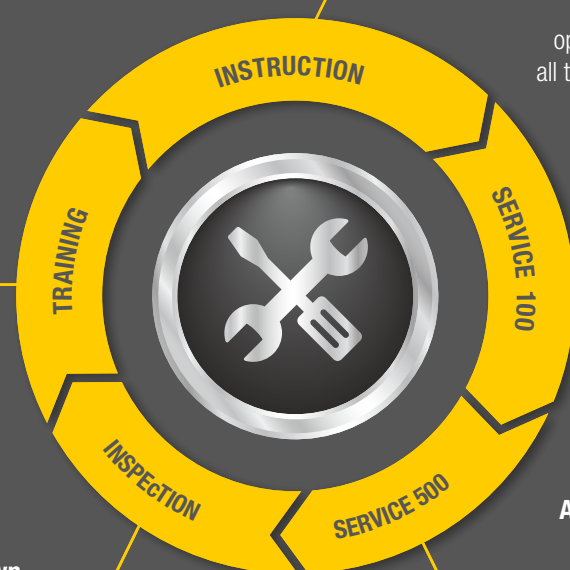
Our offers for economical working

Customer training – benefit from professional knowledge

Practical learning offers a host of benefits: Your employees will be able to master the machine and all of its special features, use it correctly, reduce operating costs and avoid operating errors.

Obligatory machine inspection – calculable costs instead of breakdown costs that spiral out of control

Visual inspection and function check of components for 100% safety. The hydraulic system with the cylinders, electrical system and core pump are also inspected.



Instruction during product handover – getting things right from the start

Making sure that you and your machine operators become completely familiar with all the special features and new innovations.

After-sales service after 100 hours – avoid sources of error

This after-sales service provides you with a status report for your concrete pump in line with the Putzmeister service plan.

After-sales service after 500 hours – protecting your investment and retaining value

Our technical After Sales department is your first port of call for checking the safety and wear of your machine. You will also receive a status report after the check.

Premium quality and customer proximity

If your machine is experiencing problems, you have two options: Either the service team can pay you a visit or you can bring your machine to one of our service workshops.

Original parts for maximum availability

Needless to say, we only use Putzmeister original parts in our workshops. You can also be certain that all our international Putzmeister partners work according to our high quality standard.

ADDED VALUES

ADDITIONAL ACHIEVEMENTS WITH PUTZMEISTER

Added Values

Efficiency – more output for less input

- # Putzmeister machines are powerful and reliable
- # Our aim for you: Reducing overall costs/TCO (total cost of ownership)

Connectivity – the Putzmeister Machine Cockpit

- # Always keep an eye on real-time data
- # Increased productivity, safety and service
- # Avoid costly downtimes

Human-machine interface – Putzmeister control technology

- # Easy troubleshooting and maintenance
- # Optimum support thanks to intuitive, convenient and safe operation
- # Reduced downtimes and increased efficiency due to fast response to changed parameters

Service – close to the customer wherever they are in the world

- # Expert support in more than 120 countries
- # Maximum availability and rapid supply of Putzmeister spare parts
- # Long-term value retention thanks to maintenance offers
- # Efficiency and protection of investments thanks to training at own academy

Safety – high-end safety concept

- # Protection of operator and machine
- # Safe working with series equipment, optimisation with additional equipment
- # Safety thanks to easy maintenance and retesting of the machine, hose or boom testing, etc.

Clear and concise

- # Fully flexible support thanks to the combination of iSC and FLEX base structures
- # Smooth 5-arm placing boom thanks to intelligent laying of the delivery line and the harmonious continuity of the steel structure
- # Efficient working thanks to consistent sophisticated ergonomics and Ergonic® 3, the innovative control hardware and software
- # Maximum safety thanks to comprehensive consideration of applicable standards and directives
- # Service-friendly thanks to optimized accessibility and consistent screw concept
- # Minimal service costs thanks to maintenance-free components, standardised wear parts (e.g. only four standard elbow types) and smaller quantities of functional fluids
- # The I frame follows the distortions of the chassis: less distortion and longer service life

Note: The diagrams in the brochure do not necessarily correspond to the full scope of standard equipment for the machines.
Further brochures: Ergonic® 3 CT 5053



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Putzmeister Concrete Pumps GmbH

Max-Eyth-Straße 10 · 72631 Aichtal

P.O.Box 2152 · 72629 Aichtal

Tel. +49 (7127) 599-0 · Fax +49 (7127) 599-520

pmw@putzmeister.com · www.putzmeister.com

