

Original parts & delivery lines for concrete pumps

Original spare parts from Putzmeister – reliable, powerful and sustainable

Putzmeister concrete technology

THE NEW ORIGINAL PARTS AND ACCESSORIES CATALOGUE FROM PUTZMEISTER

Dear customers and business partners,

This catalogue has been designed to provide you with a clear, informative and user-friendly tool. Here you will always find the right Putzmeister original part for your concrete pump as well as a wide range of delivery line parts and accessories.

Made to the highest quality standards, Putzmeister original parts guarantee a long life, problem-free assembly and optimum wear resistance.

Our delivery line systems provide the optimum pipes, hoses and connections for all requirements and thereby ensure safe and economical delivery at the highest level. Our wide range of matching accessories enhances the perfor-

mance of your machines, making them perfectly equipped for the most diverse range of applications and requirements.

You will find even more parts for all Putzmeister machines and systems in our newly designed, user-friendly webshop.

Further information on the services we offer can also be found on our new MY Putzmeister customer portal.



Kind regards,
Frank Riderer
Head of Putzmeister Service



MY Putzmeister

EVERYTHING YOU NEED

All of the information and applications you need to meet your specific requirements are available at all times on the digital MY Putzmeister platform.

MY Putzmeister is the portal for all customers and dealers worldwide. All of your personalised information surrounding Putzmeister products and services is presented in a modern, intuitive design.

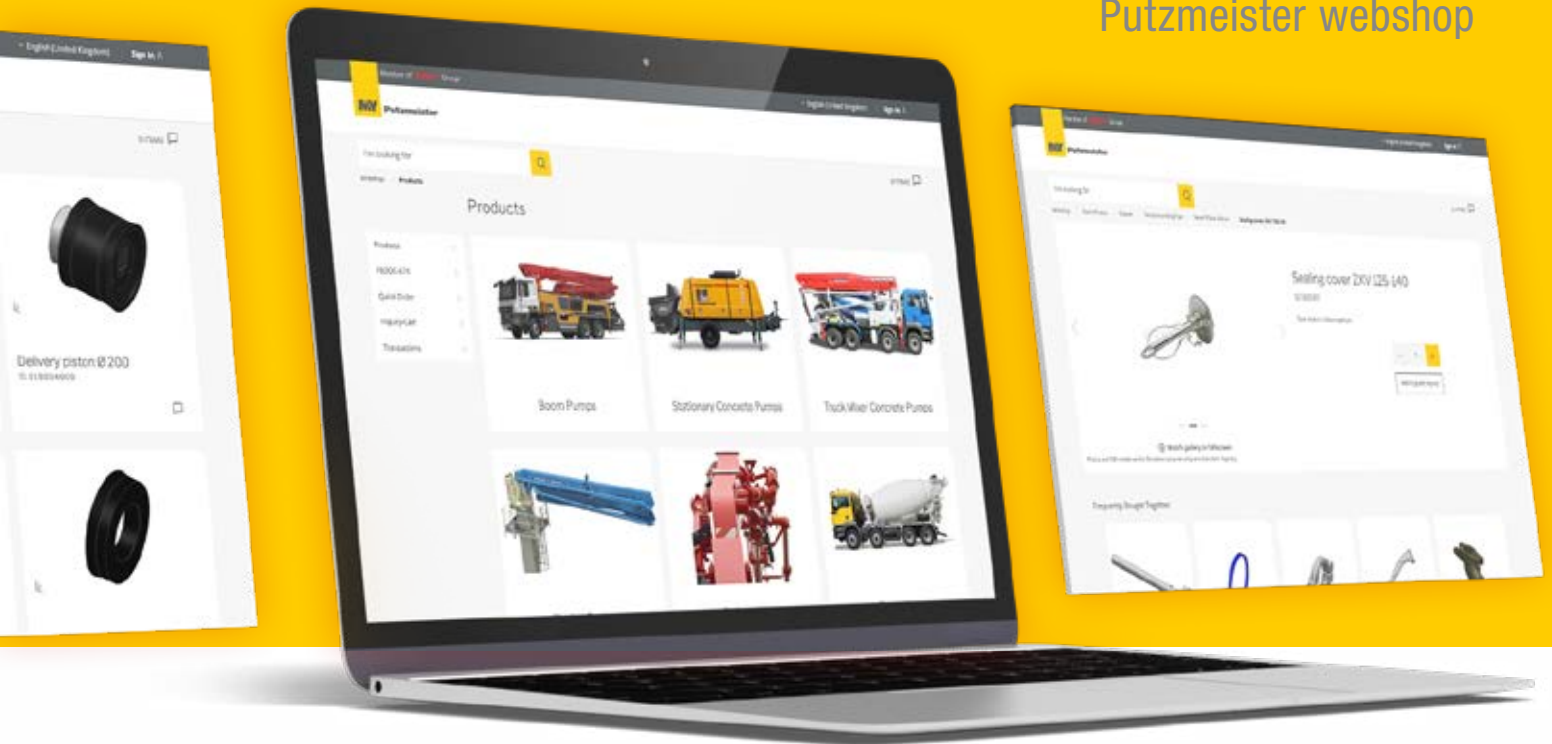
To the MY Putzmeister portal »



THE 360° CUSTOMER EXPERIENCE

- # Webshop
- # MY Fleet
- # Experts app
- # Machine Cockpit
- # Promotional gift shop
- # News & press
- # Events & dates





PUTZMEISTER WEBSHOP

FIND ITEMS MORE EFFECTIVELY INSTEAD OF EXTENSIVE SEARCHING – ALL PRODUCTS, ALL PARTS, ONE PLATFORM!

With our newly designed webshop, which forms part of MY Putzmeister, you have access to all original parts and the comprehensive range of accessories for your Putzmeister machines as a registered user.

To the Putzmeister webshop »



**REGISTER NOW AND
ENJOY THE BENEFITS**

- # Find spare parts in the electronic spare parts catalogue and order directly
- # Flexible search via catalogue structure, exploded drawings or direct input
- # Generate spare parts requests
- # All parts with images or diagrams
- # Save delivery addresses & track orders
- # Customised spare parts suggestions
- # Display of availability and prices
- # Credit card purchases possible



MACHINE TECHNOLOGY

DELIVERY LINES

#01 Service packages		
01	for 500 h maintenance	08
#02 Core pump		
01	Drive and delivery cylinders	09
02	Delivery pistons	10
#03 Hopper		
01	Wear parts	12
02	S transfer tube	14
03	Switching shaft bearings	15
04	Transfer tube plunger cylinders and drives	16
05	Pressure connection bearing and pressure connection	17
06	Agitator	18
07	Bearing flange	19
08	Hinged elbow	20
09	RS909 hopper	21
#04 Hydraulic system		
01	Hydraulic pump	22
02	Filter	23
03	Hydraulic motor	24
04	Bladder/hydraulic accumulator	24
05	Hydraulic fluid radiator	24
06	Hydraulic control	25
07	Boom control	26
#05 Boom and boom base structure		
01	Transfer gearbox	27
02	Slewing gear transmission	27
03	Hydraulic cylinders	28
04	Swivel plate	29
05	Other	29
#06 Lubrication		
01	Lubrication	30
#07 Operating and monitoring elements		
01	Measuring devices	32
02	Signal horn	32
03	Sensors	33
#08 Machine control system		
01	Machine control system	34
#09 Radio remote control		
01	Radio remote control	36
#10 Water system		
01	Water system	39
#11 Attachments and accessories		
01	Attachments	40
02	Accessories	41
03	Camera systems and lighting	42
04	Accessories for PUMI®	42
#12 Operating equipment		
01	Operating equipment	43

#13 Cleaning accessories		
01	Sponge balls, cubes, cylinders	46
02	Cleaning pig	47
03	Catching baskets, ports and lids	47
#14 Back-end-kit and deck piping		
01	Back-end-kit	50
02	Deck piping	51
#15 Boom pipework		
01	SK 100 / 4.5"	53
02	SK 117 / 5.5"	53
03	SK 125 / 5.5"	54
#16 Stationary line		
01	SK 65 / 3.0" 85 bar	55
02	SK 80 / 4.0" 85 bar	55
03	SK 100 / 4.0" 85 bar	56
04	SK 100 / 4.5" 85 bar	56
05	SK 125 / 5.5" 85 bar	57
06	SK 125 / 5.5" 130 bar	57
07	SK 150 / 6.0" 85 bar	58
08	ZX 125 / 5.0" 130 bar	58
09	ZX 125 / 5.5" 200 bar	59
10	ZX 150 / 6.0" 130 bar	59
#17 Pipe connections		
01	Coupling	60
02	Gasket	61
03	Weld-on ring	61
04	Pipe clamp	61
#18 Delivery hose		
01	Delivery hose	62
02	Hose safety sleeves	63
03	Hose caddy	63
#19 End hose		
01	End hose	64
02	Reducing end hose	64
03	End hose SH	65
04	Safety device	65
05	Concrete brake	65
06	End hose squeeze valve	65
07	Guards	65
#20 Gate valves and transfer tubes		
01	Gate valves	66
02	Transfer tubes	66
#21 Manual rotary distributors		
01	Rotary distributors	67

TOPIC PAGES

- 02 Foreword
- 02 MY Putzmeister
- 03 Webshop
- 04 Table of contents
- 05 Genuine parts
- 31 Genuine services
- 48 Pipeline system

GENUINE

PARTS



PUTZMEISTER
GENUINE
PARTS



PUTZMEISTER ORIGINAL PARTS ARE AVAILABLE WORLDWIDE AND ARE CONTINUOUSLY BEING IMPROVED!

Thanks to our global dealer network in over 120 countries, Putzmeister original parts are available quickly and reliably, with access to competent experts and excellent service.

We maintain close contact with our customers, operating companies and machine operators. This valuable exchange of first-hand knowledge, combined with our many years of experience, is consistently channelled into the further development of our original parts and processes.

THE ADVANTAGES OF
PUTZMEISTER GENUINE PARTS

- # No lengthy machine downtimes thanks to immediate availability – worldwide
- # Longest possible service life and maximum reliability for an optimum price-performance ratio
- # Minimal maintenance and repair work thanks to high-quality materials and tested quality
- # Quick and easy replacement thanks to guaranteed precision of fit and no variations in quality
- # Guaranteed safety for your customers, your personnel and your investment

Original parts and accessories

MACHINE TECHNOLOGY

Machine technology

High-quality components are indispensable when it comes to the safe, economical and reliable operation of your concrete pump, not only in terms of the original equipment. Putzmeister offers spare and wear parts as well as accessories with a high level of availability and an optimum price-performance ratio throughout the entire service life of your durable machine.

SERVICE PACKAGES

FOR 500 H MAINTENANCE

Regular, professional maintenance reduces the probability of failure to a minimum. Our service packages are designed to help with this. Putzmeister service packages are carefully put together and contain the exact filters and gaskets you need for preventive maintenance. Putzmeister service packages provide fast, simple and cost-effective solutions in manufacturer quality.



ADVANTAGES

- # All maintenance parts in a single package
- # Easy to order and use
- # Always state-of-the-art
- # Low service costs
- # Price advantage compared with unit prices



Service packages consist of three filters (including suction filter and ventilation filter) as well as the accompanying gaskets.

#01.01 Service packages

Part name	Specifications	Part number
Service package		
For M20-4, M24-4, M28-4	TR 20, TRD 40	721049
For M31-5, M36-4, M38-5	TRDI 80 Gen. 6, long return flow filter	637981
For M31-5, M36-4, M38-5	TRDI 65 Gen. 4, TRDI 80 Gen. 3, long return flow filter	658328
For M36-4, M38-5, M47-5	TRDI 65 Gen. 3, TRDI 80 Gen. 3, short return flow filter	720837
For M42-5, M46-5, M47-5	TRDI 110 Gen. 7, TRDI 130 Gen. 2	637761
For M51-5, M53-5, M54-5, M56-5	TRDI 190, TRDI 210 Gen. 1	658334
For M62-6, M63-5	TRDI 350 Gen. 3	721234

RECOMMENDED OPTIONS FOR ALL MAINTENANCE WORK

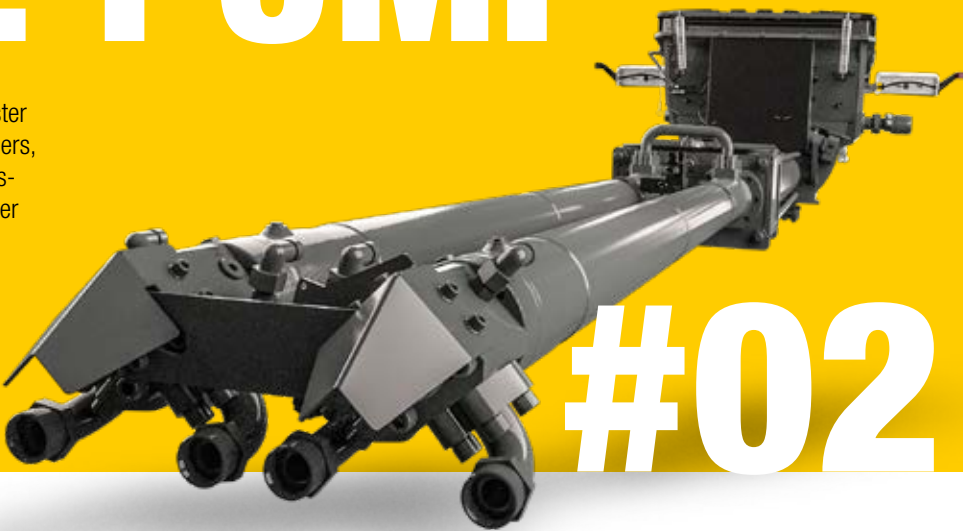
We also recommend our fluid analysis kit and our bypass filter for all Putzmeister service packages.

Part name	Part number
Fluid analysis kit	
Fluid analysis kit for regular analysis of the hydraulic fluid, consisting of collection container, shipping documents and laboratory analysis	257260004
Bypass filter	
Bypass filter element	279990006
Bypass filter O-ring	282540003



CORE PUMP

The core pump is the heart of every Putzmeister pump. It consists of two hydraulic drive cylinders, two delivery cylinders in which the delivery pistons move in opposite directions, and the water box in between. In order to reliably achieve maximum efficiency and performance during continuous operation despite the high load, wear-resistant parts that have been perfectly matched to one another are essential.



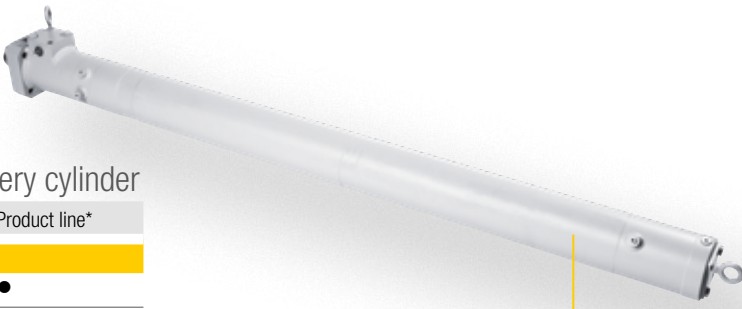
#02

Core pump

#02.01 DRIVE AND DELIVERY CYLINDERS

Putzmeister drive cylinders are characterised by their long service life. Regular pressure testing before and after installation ensures the requisite high quality. In order to maintain the performance of the core pump and the purity of the hydraulic system, we recommend replacing the entire seal on the hydraulic cylinder on a regular basis. Our practical gasket sets contain all of the parts necessary for this.

Thanks to their precision of fit and special internal chrome plating, **Putzmeister delivery cylinders** have a very long life. This is the only way to achieve maximum wear resistance, even with highly abrasive concrete.



Hydraulic cylinder

#02.01 Drive and Delivery cylinder

Part name	Specifications	Part number	Part number	Product line*
Drive cylinder		Cylinder	Set of rod seals	
Hydraulic cylinder	1 000 - 110 / 63 mm	254094008	024294009	●
Hydraulic cylinder	1 400 - 110 / 63 mm	243625006	024294009	● ●
Hydraulic cylinder	2 100 - 125 / 80 mm	436553	024160007	●
Hydraulic cylinder	2 100 - 140 / 80 mm	510773	024160007	●
Hydraulic cylinder	2 100 - 160 / 90 mm	263256002	063673005	●
Hydraulic cylinder	2 100 - 115 / 80 mm iLS	577647	574804	●
Position sensor system	for hydraulic cylinder iLS	577648	-	●



Delivery cylinder

Part name	Specifications	Part number	Product line*
Delivery cylinder			
Delivery cylinder	Ø 150 x 1 000 mm	081123003	●
Delivery cylinder	Ø 180 x 1 000 mm	088358004	●
Delivery cylinder	Ø 200 x 1 400 mm	240112004	●
Delivery cylinder	Ø 200 x 2 100 mm	255591005	●
Delivery cylinder	Ø 230 x 7 60 mm	587140	●
Delivery cylinder	Ø 230 x 1 000 mm	025314001	●
Delivery cylinder	Ø 230 x 1 400 mm	261520002	● ●
Delivery cylinder	Ø 230 x 2 100 mm	239867001	● ●
Delivery cylinder	Ø 250 x 2 100 mm	274883008	●
Delivery cylinder	Ø 250 x 2 100 mm iLS	574361	●

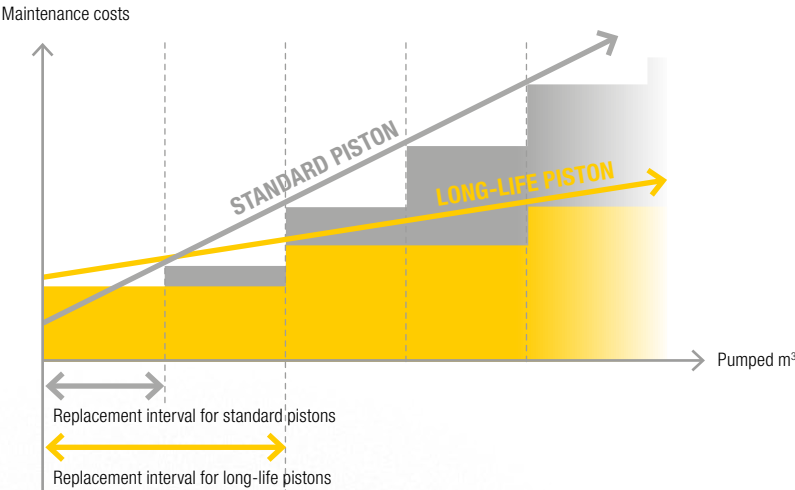
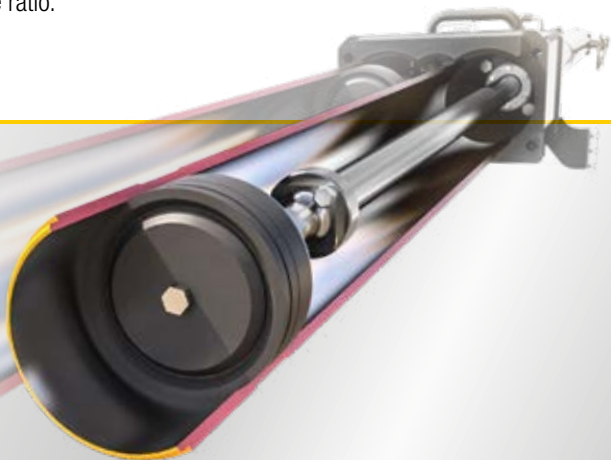
* Product line
● = BSF ● = BSA ● = PUMI®

Core pump
#02.02 DELIVERY PISTONS

The delivery pistons move the concrete cyclically in the delivery cylinders and are therefore exposed to a high degree of wear. Thanks to the materials selected and their high production quality, Putzmeister delivery pistons always achieve an above-average service life. This is regardless of whether you opt for the more economical long-life delivery pistons for more stringent requirements and loads or our standard delivery pistons with an attractive price-performance ratio.

LONG-LIFE DELIVERY PISTONS

- # Up to five times the service life compared with standard pistons
- # Especially suitable for high pressures and abrasive types of concrete
- # More economical in all areas of application
- # Lower wear costs and a higher level of machine availability
- # One-off conversion costs
- # Can be screwed onto the piston body



STANDARD DELIVERY PISTONS

- # Standard in all Putzmeister pumps
- # Suitable for all standard applications
- # Good price-performance ratio
- # Stable value and sufficient service life
- # Low acquisition costs

#02.02 Delivery pistons

Part name	Specifications	Part number	Product line*
Long-life delivery piston Ø 150 mm			
Long-life delivery piston assembly	Ø 150 mm	222141006	●
Delivery piston seal	Ø 150 mm NBR	056839005	●
Guide ring	Ø 150 mm	019447007	●
Long-life delivery piston Ø 180 mm			
Long-life delivery piston assembly	Ø 180 mm	234735002	●
Delivery piston seal	Ø 180 mm NBR	056720004	●
Guide ring	Ø 180 mm	056123009	●
Long-life delivery piston Ø 200 mm			
Long-life delivery piston assembly	Ø 200 mm	086236005	●
Delivery piston seal	Ø 200 mm NBR	080372004	●
Guide ring	Ø 200 mm	080794006	●
Long-life delivery piston Ø 230 mm			
Long-life delivery piston assembly	Ø 230 mm	085813005	● ●
Delivery piston seal	Ø 230 mm NBR	080373003	● ●
Guide ring	Ø 230 mm	080672005	● ●
Long-life delivery piston Ø 250 mm			
Long-life delivery piston assembly	Ø 250 mm	433029	●
Delivery piston seal	Ø 250 mm NBR	274904000	●
Guide ring	Ø 250 mm	275059006	●



Long-life delivery piston assembly
Delivery piston seal

Guide ring



Standard delivery piston

Part name	Specifications	Part number	Product line*
Standard delivery piston			
Standard piston	Ø 80 mm	235465009	●
Standard piston	Ø 180 mm	019033000	●
Standard piston	Ø 200 mm	019004000	●
Standard piston	Ø 230 mm	262893000	● ●
Standard piston	Ø 250 mm	658952	●

* Product line
● = BSF ● = BSA ● = PUMI®

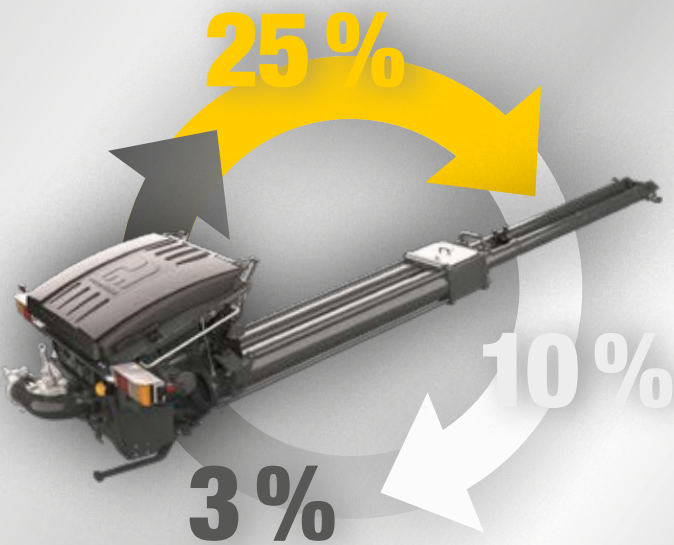


iLS CORE PUMP

The iLS pump generation is setting new standards with regard to mode of operation, durability and handling. The gentle switchover via the position sensor system and improved leak behaviour enable a higher fill level and more efficient system performance. The elimination of pressure peaks and the automatic stroke correction relieve the hydraulic system, guaranteeing greater reliability and a longer life.

iLS CORE PUMP –
PRECISELY MATCHED FOR
HIGH EFFICIENCY

- 3% increase in efficiency by preventing leaks
- 10% improvement in intake behaviour by removing bottlenecks in the concrete flow
- Up to 25% reduction in fuel consumption through an intelligent control system and EOC 2.0



HOPPER

The hopper contains the wear parts, the transfer tube, the agitator, the grille and optionally a fitted electric vibrator. Due to the contact with and flow of the concrete, the most stringent requirements apply with regard to wear resistance and precision of fit.
Putzmeister original parts are perfect for this.



#03

Hopper #03.01 WEAR PARTS

Wear parts are those parts that form the seal between the transfer tube and the delivery cylinders and are therefore exposed to a significant amount of wear. Putzmeister wear parts have been optimised and continuously further developed over the course of decades to withstand sliding wear and blast wear as well as impact stress. Two materials have proven particularly reliable with regard to hardness, strength and economic efficiency: **DURO 22** and **carbide**.

DURO 22 is suitable for universal use and offers good value with an adequate service life.

Carbide is used in more demanding fields of application with a need for considerably higher wear resistance and a longer life. With carbide, the spectacle wear plate also offers the possibility of only replacing the areas exposed to wear with precision fitting insert rings.

DURO 22

- # Areas exposed to wear are armour-plated with a hard build-up welding material
- # Adequate service life
- # Good price-performance ratio
- # Suitable for virtually all fields of application



CARBIDE

- # Base body with an approx. 5 mm thick carbide wear layer
- # Two to four times the service life compared with conventional build-up welding versions
- # Suitable for all standard applications
- # Suitable for demanding requirements and particularly abrasive media
- # Optional: More cost-effective alternative with insert rings available



#03.01 Wear parts

Part name	Specifications	Part number	Part number	Part number
Wear parts RS600/RS905 Ø 180 mm		DURO 22	Carbide	Carbide with insert ring
Wear part set, assembly	Ø 180 / 260 mm	257836001	519870	519870
Spectacle wear plate	Ø 180 / 260 mm	234559000	533286	
<i>Spectacle wear plate without insert ring</i>	Ø 180 / 260 mm	-	-	275604008
<i>Insert ring</i>	Ø 180 / 260 mm	-	-	269759008
Wear ring	Ø 180 / 200 mm	251231000	509425	509425
Thrust ring	Ø 180 mm	249304004	249304004	249304004
Wear parts RS600/RS905 Ø 200 mm		DURO 22	Carbide	Carbide with insert ring
Wear part set, assembly	Ø 200 / 260 mm	264217008	571452	571452
Spectacle wear plate	Ø 200 / 260 mm	229488005	571451	
<i>Spectacle wear plate without insert ring</i>	Ø 200 / 260 mm	-	-	275608004
<i>Insert ring</i>	Ø 200 / 260 mm	-	-	485385
Wear ring	Ø 200 / 220 mm	251031006	531240	531240
Thrust ring	Ø 200 mm	284788009	252898002	252898002
Wear parts RS907 Ø 230 mm		DURO 22	Carbide	Carbide with insert ring
Wear part set, assembly	Ø 230 / 260 mm	559919	672817	672817
Spectacle wear plate	Ø 230 / 260 mm	261122002	532597	
<i>Spectacle wear plate without insert ring</i>	Ø 230 / 260 mm	-	-	263728006
<i>Insert ring</i>	Ø 230 / 260 mm	-	-	271070005
Wear ring	Ø 230 / 260 mm	261123001	494520	494520
Thrust ring	Ø 230 mm	458878	458878	458878
Wear parts RS907 Ø 230 mm (570)		DURO 22	Carbide	Carbide with insert ring
Wear part set, assembly	Ø 230 / 260 mm	407399	276321005	276321005
Spectacle wear plate	Ø 230 / 260 mm	406927	531499	
<i>Spectacle wear plate without insert ring</i>	Ø 230 / 260 mm	-	-	2761312001
<i>Insert ring</i>	Ø 230 / 260 mm	-	-	271070005
Wear ring	Ø 230 / 260 mm	261123001	494520	494520
Thrust ring	Ø 230 mm	458878	458878	458878
Intermediate ring	Ø 200 / 200 mm	276291009	276291009	276291009
Wear parts RS909 HLS (570)		DURO 22	Carbide	
Wear part set, assembly	Ø 230 / 260 mm	519771	538917	-
Spectacle wear plate	Ø 230 / 260 mm	519314	538402	-
Wear ring	Ø 230 / 260 mm	261123001	494520	-
Thrust ring	Ø 230 mm	458878	458878	-
Intermediate ring	Ø 230 / 230 mm	526526	526526	-
Wear parts RS909		DURO 22	Hartmetall	
Wear part set, assembly	Ø 230 / 260 mm	561717	538746	-
Spectacle wear plate	Ø 230 / 260 mm	561651	538317	-
Wear ring	Ø 230 / 260 mm	261123001	494520	-
Thrust ring	Ø 230 mm	458878	458878	-
Intermediate ring	Ø 230 / 230 mm	526733	526526	-
Wear parts RS909 iLS		DURO 22	Carbide	
Wear part set, assembly	Ø 250 / 285 mm	574786	657108	-
Spectacle wear plate	Ø 250 / 285 mm	574771	632832	-
Wear ring	Ø 250 / 270 mm	574772	633282	-
Thrust ring	Ø 250 mm	574773	574773	-
Intermediate ring	Ø 250 / 250 mm	526733	526733	-

Hopper
#03.02 S TRANSFER TUBE

Apart from a few minor exceptions, the core pump system from Putzmeister is based on the S transfer tube. Thanks to its robustness, reliability, user-friendliness and high performance, this system has become hugely successful on the global market.

Drawing on years of practical experience, **Putzmeister transfer tubes** have been developed to achieve the best possible result with regard to reliability and minimal maintenance. The S-shaped transfer tubes in the hopper have been optimised for the corresponding machines and therefore vary significantly in size and design. In the latest generation, the pumping characteristics and service life have been improved significantly.



S transfer tube

#03.02 S transfer tube

Part name	Specifications	Part number	Product line*
S transfer tube			
S transfer tube	S1512 P	430336	● ●
S transfer tube	S1812 P	410287	●
S transfer tube	S1812 D9	274869006	●
S transfer tube	S2015 DN	406944	● ●
S transfer tube	S2015 DP	513375	●
S transfer tube	S2018 PN	406926	●
S transfer tube	S2318 LS P9	434023	●
S transfer tube	S2318 VP	404625	●
S transfer tube	S2518 ZW iLS	620969	●

ADVANTAGES OF THE
S TRANSFER TUBE

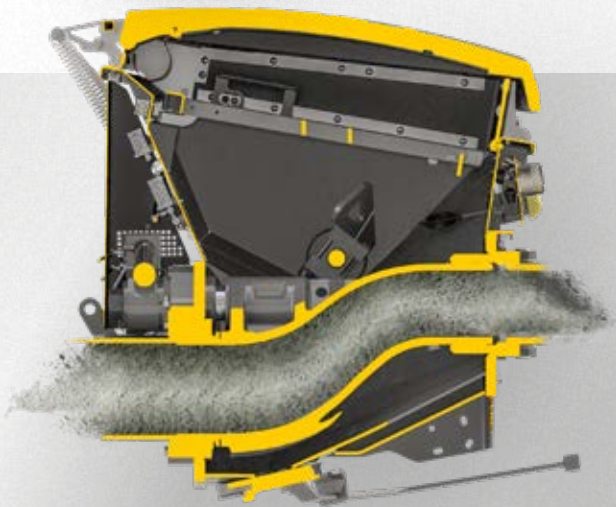
- # Works quietly and quickly
- # Long life and long service intervals
- # Extended useful life
- # Easy to replace
- # Optimised switchover



Wear sleeve

Part name	Specifications	Part number	Product line*
Wear sleeve			
Wear sleeve	Ø 165 x 159 x 105 mm	261611005	●
Wear sleeve	Ø 200 x 190 x 126 mm	446475	●
Wear sleeve	Ø 220 x 210 x 115 mm	228383004	● ● ●

* Product line
● = BSF ● = BSA ● = PUMI®



iLS S TRANSFER TUBE

In the new iLS transfer tube, the transition from the cylinder to the S transfer tube has been designed without any reduction in diameter. This eliminates any so-called dead space in which old concrete accumulates. This not only significantly reduces the amount of maintenance required, but also extends the service life, maximises the fill level and makes cleaning simple and effective. The even tapering of the S transfer tube optimises the flow characteristics. The hardened material and internally centred automatic seal also make the tube extremely durable.

Hopper
#03.03 SWITCHING SHAFT BEARINGS

Continuous stroke changes and high pressure ratios in the transfer tube exert huge forces on the entire system. With regular lubrication, Putzmeister shaft bearings absorb these forces and enable low-wear operation thanks to their optimum seating characteristics.

S transfer tube bearing assembly



Flanged bearing



Collared washer



Wear sleeve

#03.03 Switching shaft bearings

Part name	Specifications	Part number	Product line*
S transfer tube bearing shaft Ø 100 mm – hopper RS909 HLS+			
S transfer tube bearing assembly	Ø 100 mm HLS+	574886	●
Flanged bearing	Ø 100 mm	574813	
Wear sleeve	Ø 110 mm	574809	
Collared washer	BS 110 DU-B	574860	

S transfer tube bearing shaft Ø 90 mm – hopper RS909			
S transfer tube bearing assembly	Ø 90 mm	519127	● ● ●
Flanged bearing	Ø 90 mm	519517	
Wear sleeve	Ø 100 mm	458574	
Collared washer	BS 100 DU-B	281036000	

S transfer tube bearing shaft Ø 90 mm – hopper RS905 + RS907 – previous version			
S transfer tube bearing assembly	Ø 90 mm	274893001	● ●
Flanged bearing	Ø 90 mm	274889002	
Wear sleeve	Ø 100 mm	274884007	
Collared washer	BS 100 DU-B	427720	

S transfer tube bearing shaft Ø 80 mm – current version			
S transfer tube bearing assembly	Ø 80 mm	401783	● ● ●
Flanged bearing	Ø 90 mm	027783009	
Wear sleeve	Ø 90 mm	400494	
Collared washer	BS 90 DU-B	066586005	

S transfer tube bearing shaft Ø 80 mm – previous version with sphere Ø 60 mm			
S transfer tube bearing assembly	Ø 80 mm	027864009	● ● ●
Flanged bearing	Ø 90 mm	027783009	
Wear sleeve	Ø 90 mm	027782000	
Collared washer	BS 90 DU-B	066586005	

* Product line
● = BSF ● = BSA ● = PUMI®

SWITCHING SHAFT BEARING

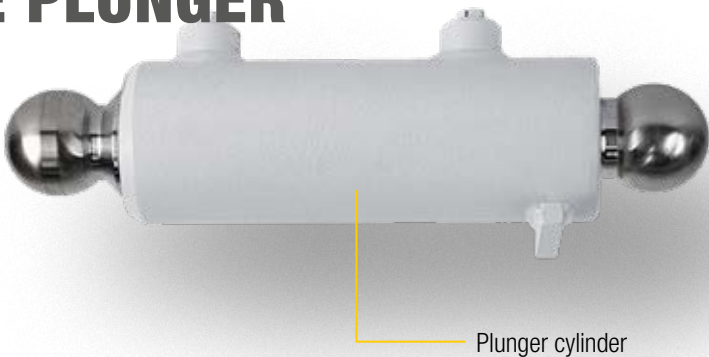
Thanks to the redimensioning of the S valve bearing construction with increased wall thicknesses, the load in this critical area has been significantly reduced and the service life thereby extended. Together with new gaskets, hardened bushes and the stable anti-turn locking device, this guarantees maximum bearing reliability.



Hopper

#03.04 TRANSFER TUBE PLUNGER CYLINDERS AND DRIVES

To ensure the transfer tube switches over without faults in the long term, a Putzmeister concrete pump requires high-quality cylinders and drive parts that are perfectly coordinated. In the event of repairs, these new original components fit seamlessly into the optimised system.



Switch lever



Piston rod

#03.04 Transfer tube plunger cylinders and drives

Part name	Specifications	Part number	Product line*
Plunger cylinder			
Plunger cylinder	Ø 160 / 60 mm, Gen. 8	262840008	●
Plunger cylinder	Ø 160 / 60 mm, Gen. 12	541668	●●
Plunger cylinder	Ø 160 / 60 mm, Gen. 10	278896004	●
Plunger-cylinder	Ø 160 / 80 mm, Gen. 10	402244	●●

Part name	Specifications	Part number	Product line*
Switch lever			
Switch lever	Ø 80 mm	458733	●●
Switch lever	Ø 90 mm	458703	●●●

Part name	Specifications	Part number	Product line*
Piston rod			
Piston rod	Ø 60 x 245 mm	554324	●●
Piston rod	Ø 80 x 160 mm	402268	●●

Part name	Specifications	Part number	Product line*
Ball cup			
Ball cup	Ø 60 / 70 x 38 mm	275694005	●●●

* Product line
● = BSF ● = BSA ● = PUMI®



Ball cup

Hopper

#03.05 PRESSURE CONNECTION BEARING AND PRESSURE CONNECTION

The pressure connection bearing serves as the rear seal and mount for the transfer tube and the interface between the hopper and pipeline. The dimensions and material of the Putzmeister pressure connection bearing have been perfectly designed to absorb forces and ensure low-wear operation. In the case of stationary concrete pumps, the transition from the hopper to the pipeline takes the form of a short pressure connection as the connection to the hopper. In the case of the truck mixer and truck-mounted concrete pumps, this takes the form of a hinged elbow (see #03.07 on page 20).



Pressure connection

#03.05 Pressure connection bearing and pressure connection

Part name	Specifications	Part number	Product line*
Pressure connection for BSA			
Pressure connection	SK 125 / 5.5"	410566	●
Pressure connection	SK 150 / 6.0"	228740003	●
Pressure connection	ZXM 125 / 8.0"	507292	●
Pressure connection	ZXM 150 / 8.0"	249085006	●

Pressure connection bearing Ø 165 mm / 210 mm			
Pressure connection bearing	Ø 165 / 210 mm	410505	●
Bearing ring	Ø 165 / 210 mm	410504	●
Grooved ring	Ø 165 x 184 x 13 mm	248347004	●
Guide strip	Ø 165 x 170 x 25 mm	295375003	●
Scraper ring	Ø 165 x 184 x 8 mm	463557	●

Pressure connection bearing Ø 220 / 270 mm			
Pressure connection bearing	Ø 220 / 270 mm	576831	●●
Bearing ring	Ø 220 / 270 mm	576811	●●
Grooved ring	Ø 220 x 240 x 15 mm	247565007	●●
Guide strip	Ø 220 x 225 x 20 mm	505764	●●
Scraper ring	Ø 220 x 240 x 8 mm	437267	●●

Pressure connection bearing Ø 220 / 270 mm for pressure connection PN 249085006			
Pressure connection bearing	Ø 220 / 270 mm	248433002	●●
Bearing ring	Ø 220 / 270 mm	240620004	●●
Grooved ring	Ø 220 x 240 x 15 mm	247565007	●●
Guide strip	Ø 220 x 225 x 25 mm	295355007	●●
Scraper ring	Ø 220 x 240 x 8 mm	437267	●●

* Product line
● = BSF ● = BSA ● = PUMI®



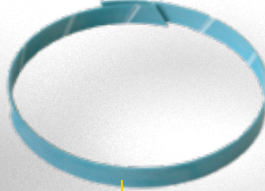
S transfer tube bearing



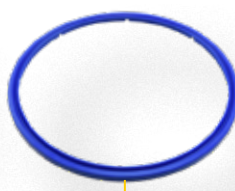
Bearing ring



Grooved ring



Guide strip



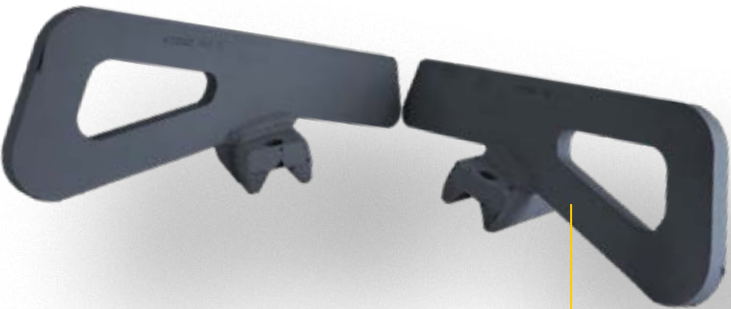
Scraper ring

Hopper
#03.06 AGITATOR

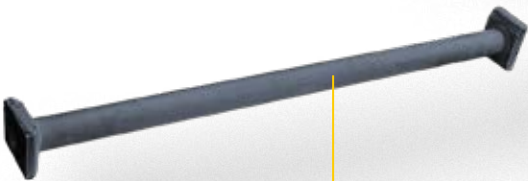
The hydraulically powered agitator supports the intake behaviour in the hopper. The special design and arrangement is perfectly matched to the type of hopper in question. Putzmeister original parts deliver the best results here with a high degree of robustness and a long life.

#03.06 Agitator

Part name	Specifications	Part number
Mixer shaft RS909 (HLS+)		
Mixer shaft assembly with fittings	-	650634
Mixer shaft section	right	650635
Mixer shaft section	centre	264020004
Mixer shaft section	left	650637
Mixing paddle	right	633506
Mixing paddle	left	633525
Mixer shaft RS905A/RS907		
Mixer shaft assembly with fittings	-	284647001
Mixer shaft section	right and left	650635
Mixer shaft section	centre	264020004
Mixing paddle	right	633506
Mixing paddle	left	633525
Mixer shaft RS487		
Mixer shaft assembly with fittings	-	523641
Mixer shaft section	right	288387008
Mixer shaft section	centre	256554009
Mixer shaft section	left	050755004
Mixing paddle	right	523605
Mixing paddle	left	523599



Mixing paddle



Mixer shaft section centre

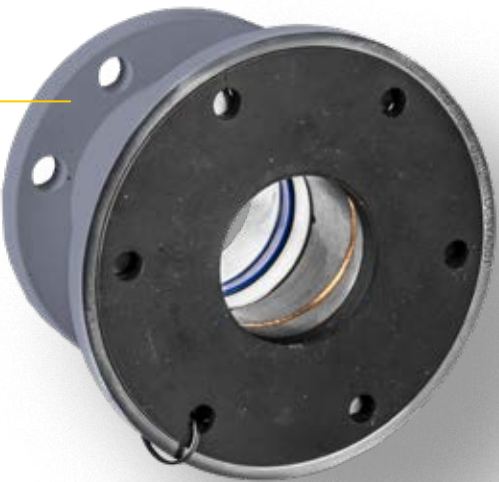


Mixer shaft section left/right

Hopper
#03.07 BEARING FLANGE

#03.07 Bearing flange

Part name	Specifications	Part number
Bearing flange Ø 60 open		
Bearing flange set, assembly	Ø 60 mm	491660
Bearing flange set, assembly – previous version	Ø 60 mm	242572008
Bearing flange	Ø 60 mm	484731
Bearing flange – previous version	Ø 60 mm	242573007
Bush	Ø 60 x 65 x 40 mm	222484006
Rubber disc	Ø 140 x 56 x 8 mm	242574006
Bearing flange Ø 60 closed		
Bearing flange set, assembly	Ø 60 mm	220229001
Bearing flange	Ø 60 mm	203848001
Bush	Ø 41 x 64,5 x 40 mm	202791007
Rubber disc	Ø 140 x 36 x 8 mm	210304004
Bearing flange Ø 50 open		
Bearing flange set, assembly	Ø 50 mm	221547009
Bearing flange	Ø 50 mm	202357001
Bush	Ø 51 x 64,5 x 40 mm	235087005
Rubber disc	Ø 140 x 46 x 8 mm	084013000



Bearing flange set, assembly



Bearing flange



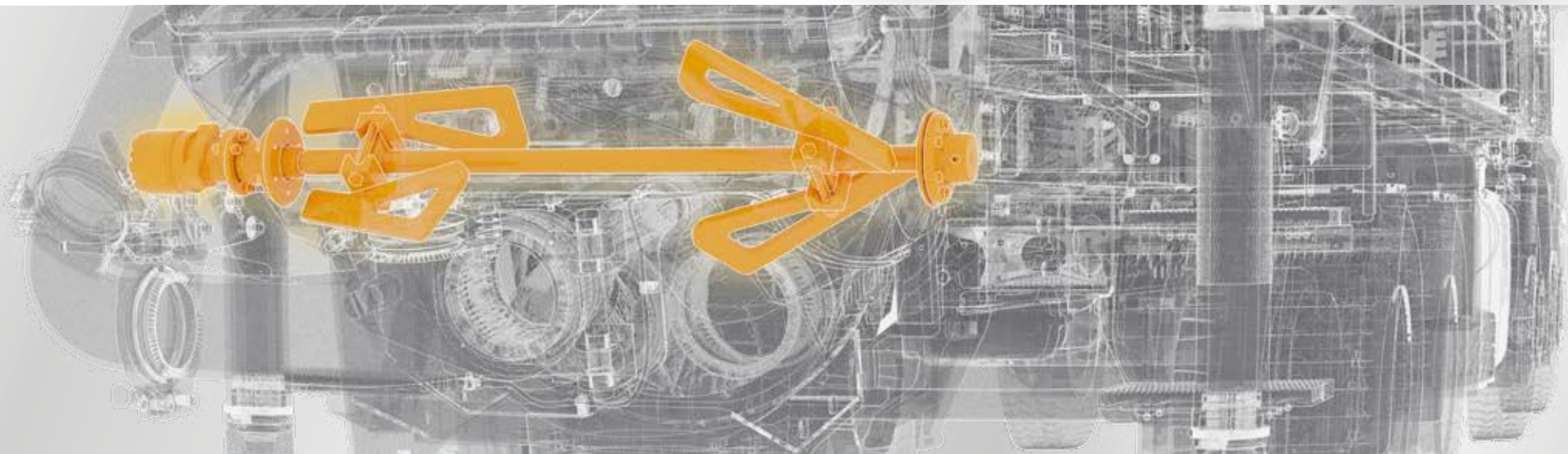
Rubber disc



Bush

AGITATOR

The agitator consists of the agitator motor, the open bearing flange, the mixer shaft, the mixing paddles and the closed bearing flange. The agitator is activated electrically on the control panel by the steps or by radio remote control. There are three operating modes: Forwards,reverse and automatic. During automatic operation, the agitator works in sync with the concrete pump. A special feature of automatic operation is that the agitator stops when the concrete pump is switched off but carries out a brief movement after a few minutes to prevent the concrete from setting.



Hopper

#03.08 HINGED ELBOW

In the case of truck-mounted concrete pumps, the pump outlet directly downstream of the pressure connection is a reinforced elbow that is attached to the hopper in such a way that it can fold. The swivel bearing and a cleaning port are often integrated. The hinged elbows are tested at 260 bar static pressure and 130 bar with load reversal.

The maximum operating pressure is 85 bar. A special feature is our two-layer hinged elbow, which has an outer layer of pressure-resistant steel and a highly wear-resistant internal casting with a hardness of up to 67 HRC. It is not only lighter but also lasts around five times longer than conventional hinged elbows. A matching selection of back-end-kits and deck piping can be found on page 50 onwards.

#03.08 Hinged elbow

Part name	Specifications		Part number
Hinged elbow BSF with cleaning port			
Cast elbow	Inlet – outlet: Cleaning port:	DN 180 (7") / ZX 150 (6") ZX 140 (5")	417730
Elbow Proline 3000	Inlet – outlet: Cleaning port:	ZX 180 (7") / ZX 150 (6") DN 150 (6")	519855

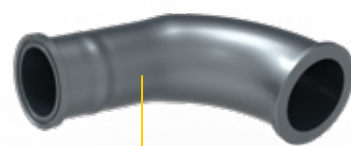


Cast elbow

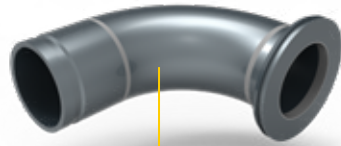


Elbow Proline 3000

Hinged elbow BSF without cleaning port			
Cast elbow without swivel bearing	Inlet – outlet:	DN 180 (7") / ZX 150 (6")	477032
Short steel elbow without swivel bearing	Inlet – outlet:	DN 150 (6") / SK 150 (6")	402709



Cast elbow without swivel bearing



Short steel elbow without swivel bearing

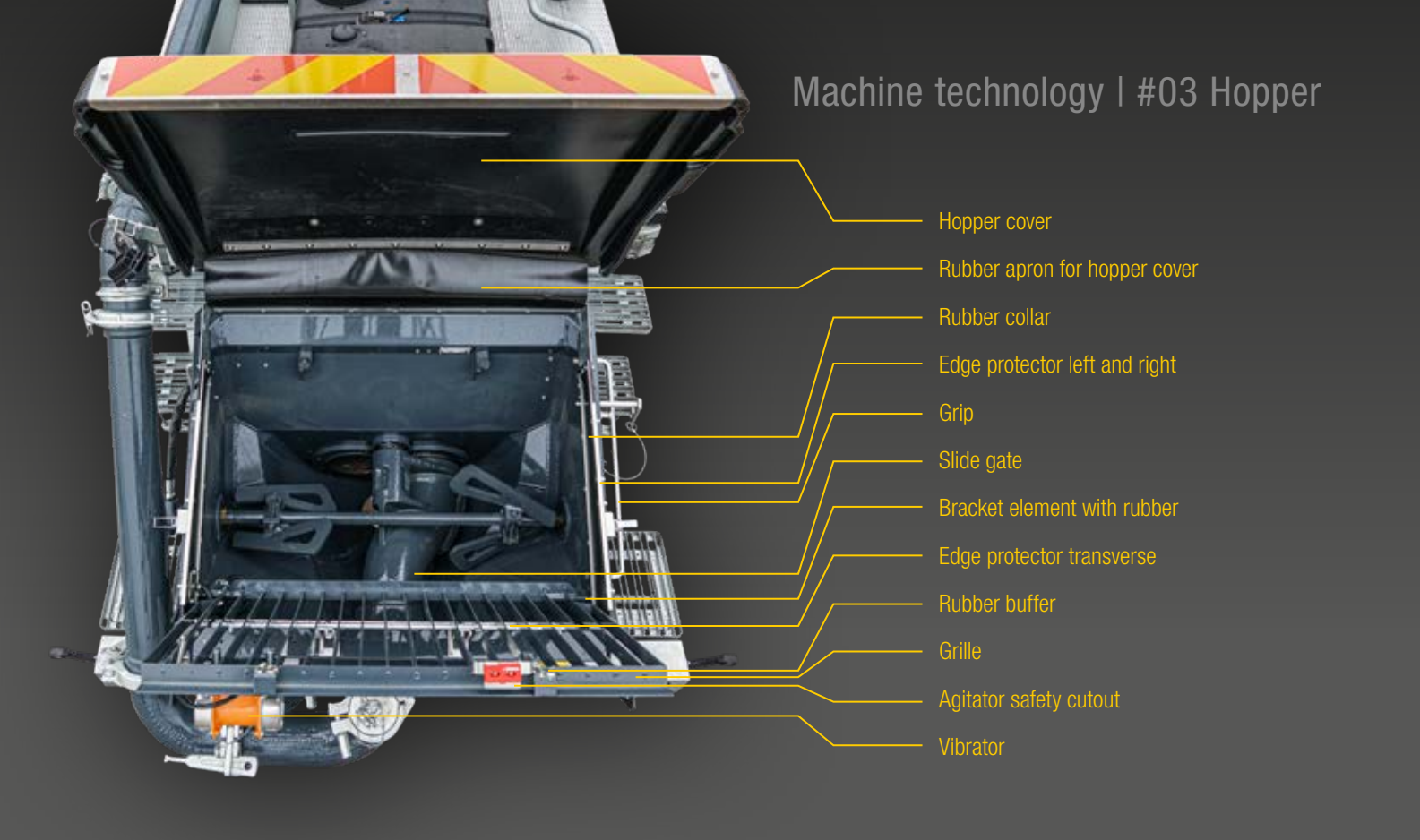
Hinged elbow PUMI®			
Cast elbow	Inlet – outlet: Cleaning port:	DN 180 (7") / ZX 150 (6") ZX 140 (5")	646660
Cast elbow without swivel bearing	Inlet – outlet: Cleaning port:	DN 150 (6") / SK 125 (5,5") Without	286680008



PUMI® cast elbow



PUMI® cast elbow without swivel bearing



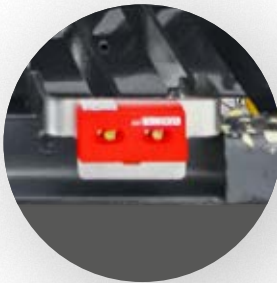
Hopper

#03.09 HOPPER RS909

Here you will find matching covers and seals as well as further accessories for the current hoppers.

#03.09 Hopper RS909

Part name	Specifications	Part number
Hopper RS909		
Hopper with slide gate	for delivery piston Ø 230 mm	518499
Hopper with slide gate	for delivery piston Ø 250 mm	537993
Hopper with slide gate	for delivery piston Ø 250 mm model HLS+	574300
Grille	-	610400
Grille	for model HLS+	632661
Bracket element with rubber	-	432235
Rubber buffer	40 x 30 mm NBR 60	042587002
Slide gate	-	501457
Slide gate	for model HLS+	655272
Rubber collar assembly with bars and profiles	with bore for cable vibrator	645729
Rubber collar	with bore for cable vibrator	645731
Rubber collar assembly with bars and profiles	without vibrator or with external cable duct	518955
Rubber collar	without vibrator or with external cable duct	520897
Edge protector left and right	-	498244
Edge protector transverse	-	498247
Hopper cover assembly with bearing	-	520156
Hopper cover plastic	-	662257
Rubber apron for hopper cover	0,5 x 354 x 1 240 mm	648602
Grip	-	543038
Vibrator	24 V	532745
Vibrator	12 V	459826
Agitator safety cutout	Transponder	534958
Agitator safety cutout	Evaluation device	531793



IMPROVED MOUNTING POSITION OF THE AGITATOR SAFETY CUTOUT

The relocation of the safety cutout to a more protected area is just one example of the way in which we have taken customer requests into account. In addition to major new developments, it is the small but continuous product improvements that make daily work under a diverse range of conditions and circumstances easier and safer with Putzmeister.

HYDRAULIC SYSTEM

The most important components are driven and controlled hydraulically. These include the hydraulic cylinders for the core pump, boom and support as well as the agitator, the flushing water pump and further optional auxiliary devices. It is essential that the system is maintained and kept clean in order to guarantee fault-free operation

#04

Hydraulic system

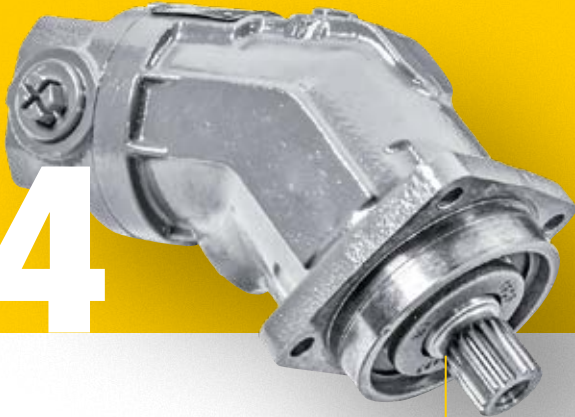
#04.01 HYDRAULIC PUMP

Hydraulic pumps are used to drive all hydraulic components of the concrete pump. One or two main pumps supply the drive cylinders of the core pump. Further hydraulic pumps drive the secondary circuits, e.g. agitator, boom cylinder or hydraulic accumulator. Hydraulic pumps are also used for the boom control.

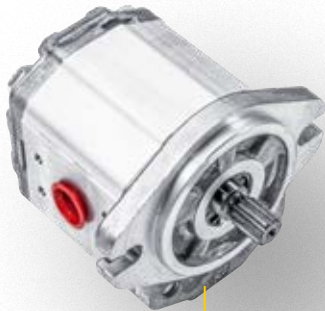
#04.01 Hydraulic pump

Part name	Specifications	Part number	Product line*
Main pump			
Hydraulic pump	R A4VG110 BR40	536356	●
Hydraulic pump	R A4VG125 EP	511127	●
Hydraulic pump	R A4VG145 BR40	536355	●●
Hydraulic pump	R A4VG180 EP	511206	●
Boom			
Hydraulic pump	L A17F023	279523004	●●
Hydraulic pump	L A17F032	279532008	●●
Hydraulic pump	L A2F16	067925005	●
Hydraulic pump	R A17F032	282260008	●
Hydraulic pump	R A18V080(45) DRS	502314	●
Agitator			
Hydraulic pump	R 11 cm³	290243004	●●
Hydraulic pump	R 12 + 3 cm³	592130	●
Hydraulic pump	R 14 cm³	235383000	●●
Accumulator charging pump			
Hydraulic pump	R A10V018(13) DR	527945	●
Hydraulic pump	R A10V28(21) DR	255200008	●
Hydraulic pump	R A10V028(13) DR	067370003	●

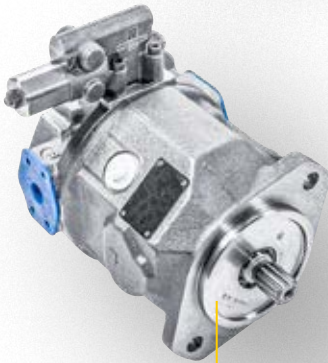
* Product line
● = BSF ● = BSA ● = PUMI®



Boom hydraulic pump



Agitator hydraulic pump



Accumulator charging pump

Hydraulic system

#04.02 FILTER

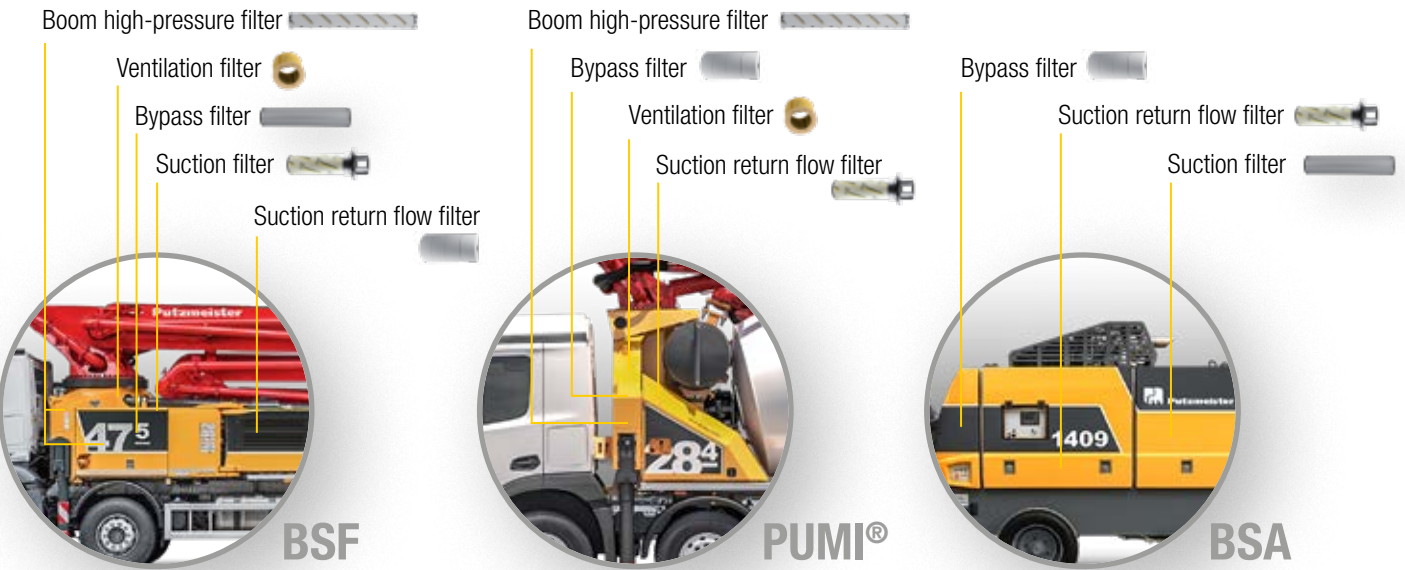
Our filter systems, which have been perfectly aligned with the functional fluids used and the applicable requirements, guarantee the necessary system purity and prevent damage to the components. Regular replacements with original filter elements help increase productivity considerably thanks to increased machine availability. When replacing the filter element, we also recommend replacing the gaskets.



#04.02 Filter

Part name	Specifications	Part number	Part number	Part number	Product line*
Suction filter		Element	O-ring 1	O-ring 2	
Filter element	10 µm, 80 l/min, length: 172 mm	223192009	249344006	060526003	●
Filter element	10 µm, 90 l/min, length: 241 mm	590433	612180	547235	●
Filter element	10 µm, 110 l/min, length: 323 mm	551476	612180	547235	●
Filter element	10 µm, 120 l/min, length: 359 mm	558150	612180	547235	●●
Filter element	10 µm, 170 l/min, length: 479 mm	294073005	225579002	041334007	●
Filter element	10 µm, 170 l/min, length: 503 mm	558153	612180	547235	●
Filter element	10 µm, 400 l/min, length: 516 mm	416341	470139	429812	●
Suction return flow filter		Element	O-ring 1	O-ring 2	
Filter element	10 µm, 300 l/min, length: 387 mm	590436			●
Filter element	10 µm, 300 l/min, length: 475 mm	534896	547243	546901	●
Filter element	10 µm, 300 l/min, length: 379 mm	597684	Gasket set:	641168	●
Boom high-pressure filter		Element	O-ring 1	O-ring 2	
Filter element	10 µm, 110 l/min, length: 400 mm	273827007	060526003	043783009	●●
Filter element	10 µm, 150 l/min, length: 356 mm	425836	Gasket set:	458105	●
Main flow filter in the control block		Element	O-ring 1	O-ring 2	
Filter element	175 µm for fully hydraulic control	062277004	043766000	043783009	●
Bypass filter		Element	O-ring 1		
Filter cartridge	3 µm fine filter	279990006	282540003	-	●
Filter cartridge	2 µm fine filter	292546000	635962	-	●
Ventilation filter in tank		Element			
Filter element (3 pieces)	10 µm	272318009	-	-	●●
Filter element	3 µm with filling screen	662779	-	-	●

* Product line
● = BSF ● = BSA ● = PUMI®



Hydraulic system

#04.03 HYDRAULIC MOTOR

Hydraulic motors are used for the agitator, for the flushing water pump and to extend the support legs.

#04.03 Hydraulic motor

Part name	Specifications	Part number	Part number	Product line*
Hydraulic motor		Hydraulic motor	Gasket set	
Hydraulic motor	Flushing water pump	229178001	-	● ●
Hydraulic motor	Agitator motor	484279	502156	● ● ●
Hydraulic motor	Agitator motor	541970	502156	● ● ●
Hydraulic motor	OMP / BMP 160	434196	434194	● ●
Hydraulic motor	OMR 315, Ø 25 mm cpl.	066679006	067480003	●



Hydraulic motor

Hydraulic system

#04.04 HYDRAULIC ACCUMULATOR

The hydropneumatic bladder accumulators store hydraulic fluid under pressure during the pump stroke for the transfer tube switchover.

#04.04 Hydraulic accumulator

Part name	Specifications	Part number	Product line*
Hydraulic accumulator 4 litres			
Hydraulic accumulator	4 l	066600004	● ●
Bladder	4 l	672873	● ●
Hydraulic accumulator 6 litres			
Hydraulic accumulator	6 l	273962001	●
Bladder	6 l	283868001	●
Hydraulic accumulator 10 litres			
Hydraulic accumulator	10 l	064028002	●
Bladder	10 l	064021009	●



Bladder

Hydraulic system

#04.05 HYDRAULIC FLUID RADIATOR

In order to prevent overheating, the back-flowing hydraulic fluid is channelled through a hydraulic fluid radiator with an axial fan. Putzmeister concrete pumps do not require a separate cooling pump.

#04.05 Hydraulic fluid radiator

Part name	Specifications	Part number	Product line*
Hydraulic fluid radiator for BSF M20, M24 und M28			
Hydraulic fluid radiator	24 V	406133	●
Axial fan, sucking	385 mm, 24 VDC	573967	●
Hydraulic fluid radiator from BSF M31			
Hydraulic fluid radiator	24 V	548898	●
Axial fan, sucking	305 mm, 24 VDC	573969	●

* Product line
● = BSF ● = BSA ● = PUMI®



Hydraulic system

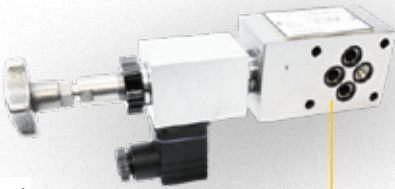
#04.06 HYDRAULIC CONTROL

Perfectly matched hydraulic components guarantee efficient and reliable operation.

#04.06 Hydraulic control

Part name	Specifications	Part number	Part number	Product line*
Delivery rate regulation		Valve		
Delivery rate regulation motor	24 V	240888008	-	● ●
Cartridge for motor delivery rate regulation	24 V	244513007	-	● ●
Proportional delivery rate regulation	24 V	404186	-	●
Support control block		Valve		
Directional valve block	4 x left	262649005	-	●
Directional valve block	4 x right	262648006	-	●
3/2-way valve for centralised lubrication system		Valve		
3/2-way valve	NG 6, 315 bar, 24 V	238805006	-	●
3/2-way valve	NG 6, 400 bar, 24 V	687348	-	●
4/2-way valve		Valve	Magnet	
4/2-way valve	NG 6, 350 bar, 24 V	580764	561718	●
4/2-way valve	NG 6, 350 bar, 26 V	666935	674058	●
4/2-way valve	NG 10, 320 bar, 24 V	580765	602519	● ●
4/3-way valve		Valve	Magnet	
4/3-way valve	100 bar, manual	553266	561718	● ●
4/3-way valve	NG 16, 350 bar	557266	561718	● ●
4/3-way valve	NG 6, 350 bar, 24 V	557262	561718	● ● ●
4/3-way valve	NG 6, 350 bar, 24 V	580763	561718	● ●
Other		Valve		
Flushing and low-pressure valve	-	264132002	-	● ●
Ball valve	DN 13, PN 400	264440008	-	● ●
Ball valve	DN 13, PN 500	067151002	-	● ●
Ball valve	DN 25, PN 40, R1Z	435696	-	●

* Product line
● = BSF ● = BSA ● = PUMI®



Delivery rate regulation



3/2-way valve



4/2-way valve



4/3-way valve



Ball valve



Directional valve block

FREE-FLOW HYDRAULICS

Putzmeister has been using free-flow hydraulics for many years. This closed-circuit system is becoming increasingly popular with other pump manufacturers, and guarantees direct and low-loss power transmission from the pump to the drive cylinders. The system has been further developed with free-flow hydraulics from Putzmeister and is now even more efficient and easy to maintain. The smaller quantity of oil required also reduces costs as well as weight. A further advantage is the simple manual operation in the event of an emergency.

Hydraulic system
#04.07 BOOM CONTROL

The individual hydraulic cylinders of the placing boom and, to some extent, the support and the slewing gear, are supplied and actuated hydraulically via a boom control block. Proportional valves ensure that the boom arms can be moved at a variable speed, for example.

#04.07 Boom control

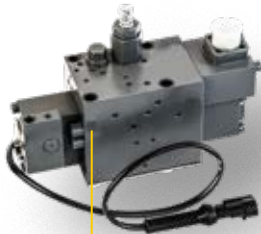
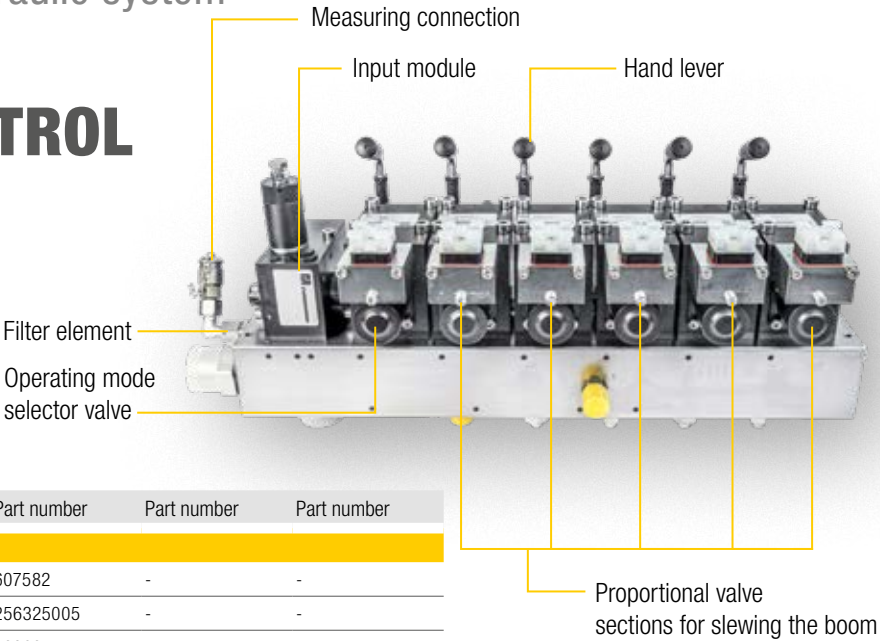
Part name	Specifications	Part number	Part number	Part number
Boom control block				
Boom control block	HHVP 6, 24 V, CBC	607582	-	-
Boom control block	HHVP 6, 24 V, MBC	256325005	-	-
Boom control block	HHVP 7, 24 V, CBC	639037	-	-

Operating mode selector valve		Valve	Gasket set	Magnet
WBV-HHVP control	24 V PM	542281	618578	458001
WBV-HHVP control	24 V	255032001	471710	256078006
WBV-HHVP control	Qmin 24 V PM Sensor	544074	618578	458001

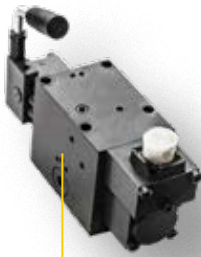
Proportional valve		Valve	Gasket set	Magnet
Proportional hydraulic valve	24 V; 10/10 l/min, open	255034009	471710	256078006
Proportional hydraulic valve	24 V; 10/16 l/min, closed	454465	618578	458001
Proportional hydraulic valve	24 V; 16/25 l/min, closed	444533	618578	458001
Proportional hydraulic valve	24 V; 16/25 l/min, closed	255038005	471710	256078006
Proportional hydraulic valve	24 V; 25/40 l/min, closed	444532	618578	458001
Proportional hydraulic valve	24 V; 25/40 l/min, closed	255037006	471710	256078006
Proportional hydraulic valve	24 V; 35/35 l/min, open	537070	618578	458001
Proportional hydraulic valve	24 V; 40/63 l/min, closed	454467	618578	458001

Input module				
Input module for constantpump	ED-B	443884	-	-
Input module for constantpump	-	254879003	-	-
Input module for variable-displacement pump	ED-C	504719	-	-

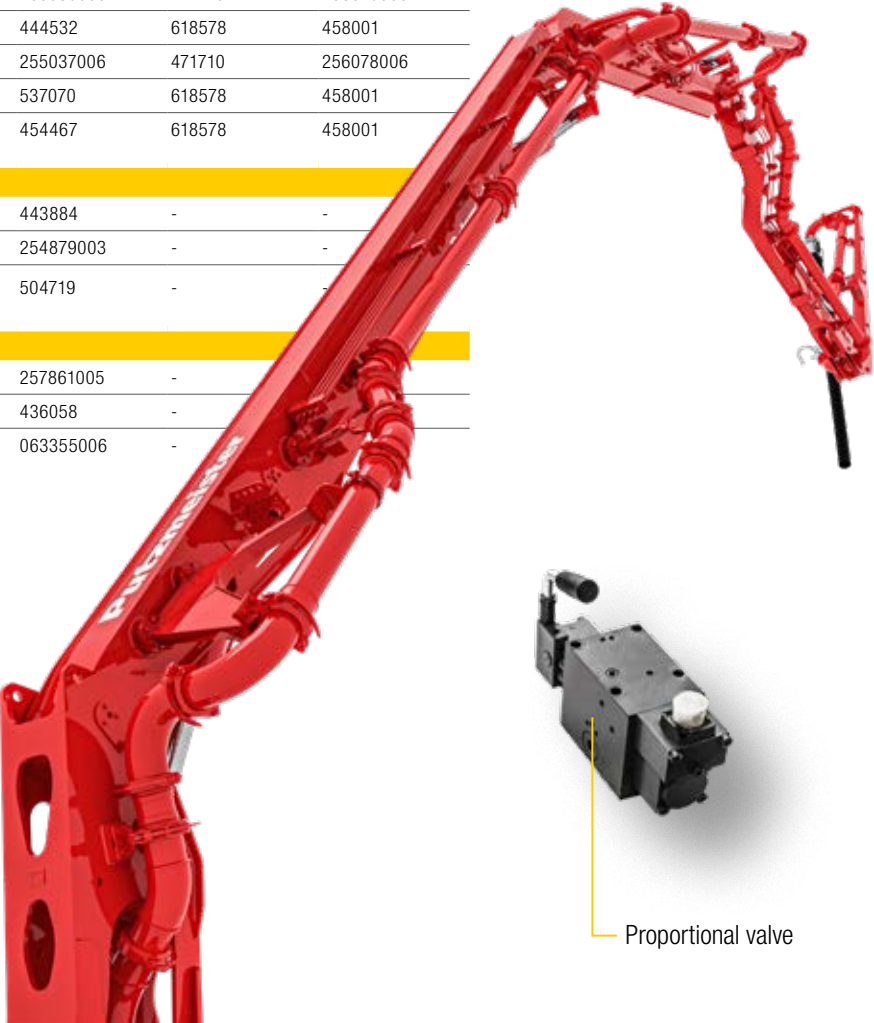
Other for the boom control block				
Hand lever	45°, 95 mm	257861005	-	-
Filter element	120 µ	436058	-	-
Measuring connection	RAD 8L	063355006	-	-



Operating mode selector valve



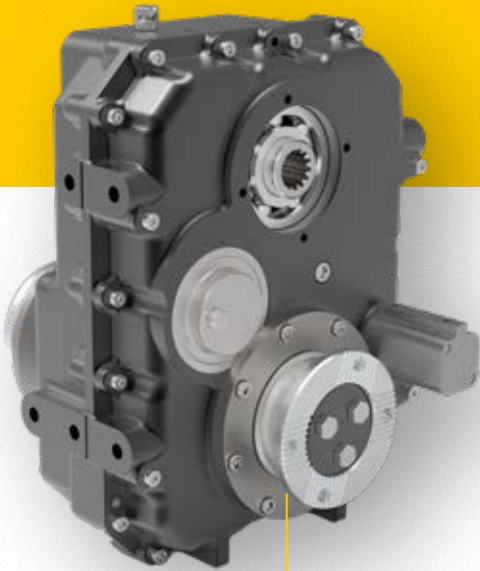
Proportional valve



BOOM AND BOOM BASE STRUCTURE

#05

The placing boom and support are central components of a truck-mounted concrete pump. Putzmeister original parts fulfil all requirements such as safety, reliability and long life, even under extreme load.



Transfer gearbox

Boom and boom base structure
#05.01 TRANSFER GEARBOX

In vehicles without a power take-off, this intermediate gearbox is used to drive the hydraulic pumps. Putzmeister original parts ensure safe power transmission here, even under continuous high power.

#05.01 Transfer gearbox

Part name	Specifications	Part number	Product line*
Transfer gearbox			
Transfer gearbox	G64SB, 32 kNm, 1 : 1.32	610836	●
Transfer gearbox	G64SB, 32 kNm, 1 : 1.52	549875	●
Transfer gearbox	G64SC, 35 kNm, 1 : 1.52	530734	●

Boom and boom base structure
#05.02 SLEWING GEAR TRANSMISSION

Apart from a few minor exceptions, all truck-mounted concrete pumps are equipped with a slewing gear transmission and hydraulic brake. Components of the highest quality are required in order to ensure the safe and precise slewing movement of the placing boom in the long term.

#05.02 Slewing gear transmission

Part name	Specifications	Part number	Product line*
Gearbox assembly			
Slewing gear drive	Z = 12, m = 10	701164	●
Slewing gear drive	Z = 18, m = 10	701163	●
Slewing gear drive	Z = 12, m = 10	701060	●
Slewing gear drive	Z = 23, m = 08	535145	●
Slewing gear drive	Z = 15, m = 08	701059	● ●
Slewing gear drive	Z = 12, m = 10	701060	●
Slewing gear drive	Z = 12, m = 08	544083	●
Slewing gear drive	Z = 15, m = 08	523914	● ●
Slewing gear drive	Z = 18, m = 10	544020	●
Slewing gear drive	Z = 14, m = 12	450461	●

* Product line
● = BSF ● = BSA ● = PUMI®



Slewing gear drive

Boom and boom base structure

#05.03 HYDRAULIC CYLINDERS

In a Putzmeister truck-mounted concrete pump, hydraulic cylinders move the boom arms, swing the support legs and extend the horizontal and vertical support. Putzmeister hydraulic cylinders are characterised by their long service life. Regular pressure testing before and after installation ensures the requisite high quality.

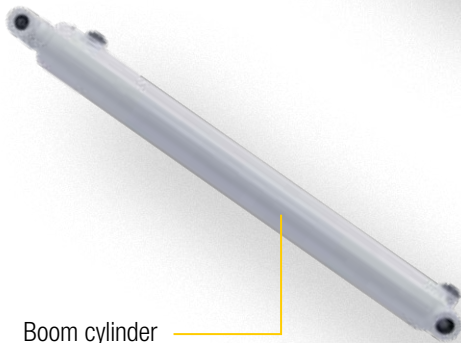
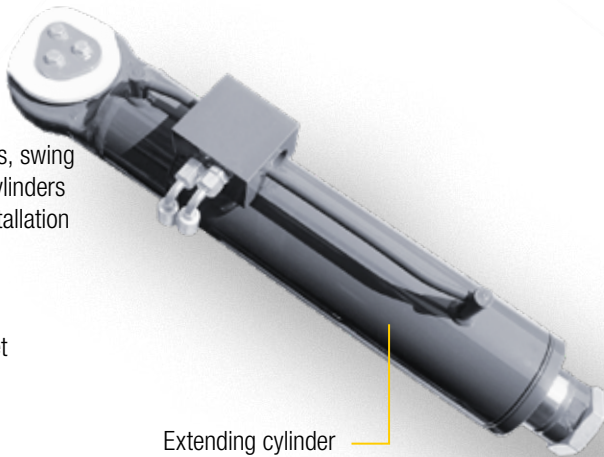
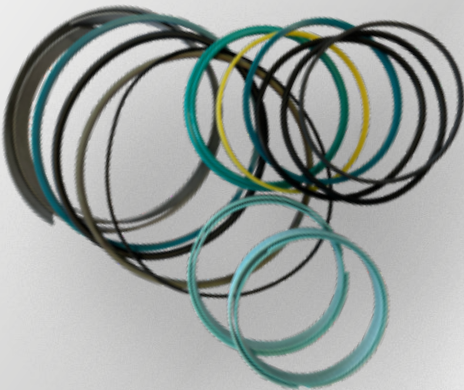
In order to maintain the performance and purity of the hydraulic system, we recommend replacing the entire seal on the hydraulic cylinder on a regular basis. Our practical gasket sets contain all of the parts necessary for this.

#05.03 Hydraulic cylinder

Part name	Specifications	Part number	Part number
Extending cylinder		Cylinder	Gasket set
Hydraulic cylinder	224-165 / 105 mm	767726	245862003
Hydraulic cylinder	282-80 / 63 mm	540787	088610001
Hydraulic cylinder	375-115 / 80 mm	477243	477431
Hydraulic cylinder	375-115 / 80 mm	635138	477431
Hydraulic cylinder	650-80 / 63 mm	251409007	251411008
Hydraulic cylinder	2028-50 / 40 mm	587865	086085007
Support cylinder		Cylinder	Gasket set
Hydraulic cylinder	530-110 / 90 mm	619353	544324
Hydraulic cylinder	650-110 / 90 mm	536251	544324
Hydraulic cylinder	650-120 / 100 mm	564610	534669
Hydraulic cylinder	650-140 / 120 mm	734088	542960
Hydraulic cylinder	700-120 / 100 mm	534439	534669
Hydraulic cylinder	700-120 / 100 mm	726731	534669
Hydraulic cylinder	800-115 / 80 mm	482595	507250
Boom cylinder		Cylinder	Gasket set
Hydraulic cylinder	780-200 / 125 mm	441261	445769
Hydraulic cylinder	781-115 / 70 mm	666518	533995
Hydraulic cylinder	1069-165 / 105 mm	527511	534006
Hydraulic cylinder	1089-165 / 105 mm	418795	445766
Hydraulic cylinder	1128-200 / 125 mm	606859	534022
Hydraulic cylinder	1128-200 / 125 mm	666882	534022
Hydraulic cylinder	1133-250 / 150 mm	527508	534047
Hydraulic cylinder	1183-165 / 105 mm	664230	534006
Hydraulic cylinder	1327-200 / 125 mm	663651	534022
Hydraulic cylinder	1382-225 / 140 mm	527509	534035
Hydraulic cylinder	1740-225 / 140 mm	451885	445780

GASKET SETS

Putzmeister offers matching gasket sets for filters, hydraulic motors, hydraulic valves and hydraulic cylinders. Put together specifically for the part number in question, they contain all of the gaskets and O-rings required in order to produce an optimum seal. We make sure you feel safe in the knowledge you will receive the right parts in the right size and quality, and this applies to production and after sales too.



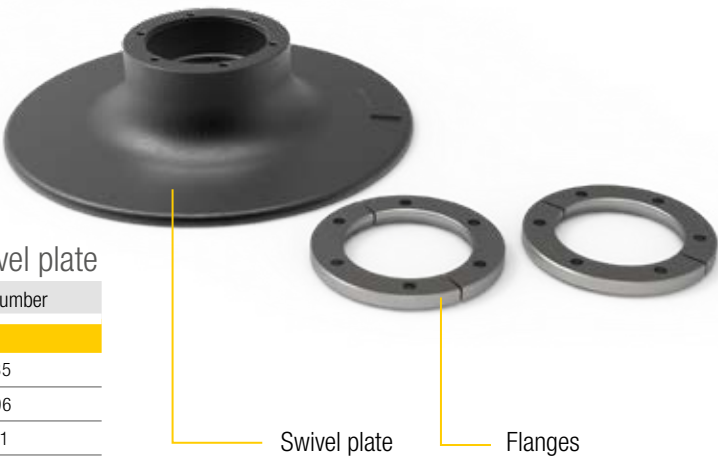
Boom and boom base structure

#05.04 SWIVEL PLATE

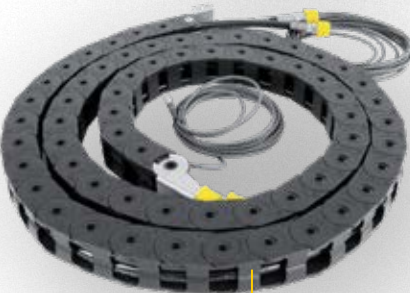
The swivel plate compensates for any unevenness in the support. The sphere of the support cylinder is directly connected to the swivel plate.

#05.04 Swivel plate

Part name	Specifications	Part number
Swivel plate		
Swivel plate	Ø 300 mm for sphere Ø 80 mm, TRDI 65	602485
Set of flanges, assembly	TRDI 65	623296
Set of flanges	TRDI 65	619101
Swivel plate	Ø 300 mm for sphere Ø 100 mm, TRDI 69, 80	602116
Swivel plate	Ø 350 mm for sphere Ø 100 mm, TRDI 110, 130	602146
Set of flanges, assembly	TRDI 69, 80, 110, 130	623288
Set of flanges	TRDI 69, 80, 110, 130	619092
Swivel plate	Ø 350 mm for sphere Ø 100 mm, TRDI 210	295154004
Set of flanges, assembly	TRDI 210	633353
Set of flanges	TRDI 210	619199
Swivel plate assembly with flange	Ø 420 mm for sphere Ø 120 mm, TRDV 350	495858
Set of flanges	TRDV 350	495871



Terminal block for boom cylinder



Cable drag chain



Snaplock

Boom and boom base structure

#05.05 OTHER

The individual types and designs of placing boom and boom base structure have been aligned with the various requirements for the model series and optimised with regard to their form and function. You will find a selection of these components here.

#05.05 Other

Part name	Specifications	Part number
Boom – other		
Roller chain	12B-1, 281 left	543912
Roller chain	16B-1, 234 left	613185
Bush	Ø 288 x 293 x 45 mm	063732001
Terminal block	-	535748
Support – other		
Cable drag chain	TRDI 80, 64 links, left	650604
Cable drag chain	TRDI 80, 64 links, right	650605
Chain wheel with collar	16B-1, 11Z with groove	465247
Roller	5007 NPPU	229242005
Support plate	-	287508008
Base bearing assembly	-	240047001
Sliding plate	TRDI 80 cpl.	618603
Holder	TRDI 80	613015
Snaplock	with monitoring	609954

LUBRICATION

Daily lubrication of the bearings in the hopper area for the transfer tube, the agitator and the swiveling gear bearings should also be sufficiently lubricated with grease. Centralised lubrication systems are available for both areas. These lubricate your machine fully automatically at defined intervals. A retrofit can be carried out at any time.

#06



Lubrication #06.01 LUBRICATION

#06.01 Lubrication

Part name	Specifications	Part number	Product line*
Pumps			
Electrical lubricant pump	P203-K7-EI, 24 V DC, 2 litres	539246	●●
Electrical lubricant pump	P203-K7-EI, 24 V DC, 4 litres	628866	●
Grease gun	HP4-LG	243535002	●
Other components			
Pump element	K7, Typ 103	239227007	●●●
Piston detector	M 11 x 1; cable length 3 m	292580008	●●●
Lubricant distributor	SSVD12	532812	●●●
Set of lubrication lines	DN 6	507985	●
Plastic pipe	Ø 8,6 x 2,3 mm, 600 bar	067095003	●●●
Conical lubrication nipple	AM 8 x 1 mm	017005001	●●●
Conical lubrication nipple	AM 10 x 1 mm mit with check valve	431002	●
Conical lubrication nipple	AM 10 x 1 mm	003549005	●●●
Conical lubrication nipple	BM 10 x 1 mm, 45°	016110007	●●●

* Product line
● = BSF ● = BSA ● = PUMI®



Electrical lubricant pump
4 litres

PROGRESSIVE CENTRALISED LUBRICATION SYSTEM

Putzmeister has been successfully using progressive lubricant distributors in its automatic centralised lubrication systems for many years. Here, a central lubricant pump continuously supplies the individual lubrication points with grease one after the other periodically and according to the pump speed via lubricant distributors. This demand-based lubrication procedure is electronically monitored. This means that the daily lubrication of the many lubrication points, and therefore a key element in the necessary care and maintenance of the concrete pump, is carried out fully automatically.



PUTZMEISTER GENUINE SERVICES

PUTZMEISTER SERVICES FOR MAXIMUM AVAILABILITY AT LOW COSTS

Together with our partners on site, our competent technical support is on hand at all times to provide comprehensive support and advice as well as excellent after sales care with maintenance and repair services.

Our close-meshed service network of experienced service technicians and workshops provides the same level of high-quality support worldwide in the event of emergencies, safety-relevant or preventive maintenance to ensure your machine can stand up to the stringent requirements with maximum safety, performance and availability.

OUR PUTZMEISTER GENUINE SERVICES

- # **Putzmeister Protect**
Extended guarantee for protection against unplanned costs and depreciation
- # **500 h maintenance**
Preventive maintenance to prevent faults and maintain performance
- # **Safety inspections**
Mandatory inspection of safety-relevant areas in order to ensure functional safety
- # **Fluid management**
Monitoring and maintenance of the hydraulic system in order to prevent faults
- # **Repairs**
Repairs in our workshops or on site
- # **Technical support**
Effective and reliable advice and problem-solving
- # **Putzmeister Academy**
Expert knowledge and skills shared in an insightful and practical manner

OPERATING AND MONITORING ELEMENTS

In order to ensure the safety and functionality of the concrete pump, precise and robust sensors and measuring displays are indispensable. Determining and selecting the right components requires many years of experience and detailed knowledge.

#07



Vacuum meter

Operating and monitoring elements #07.01 MEASURING DEVICES

#07.01 Measuring devices

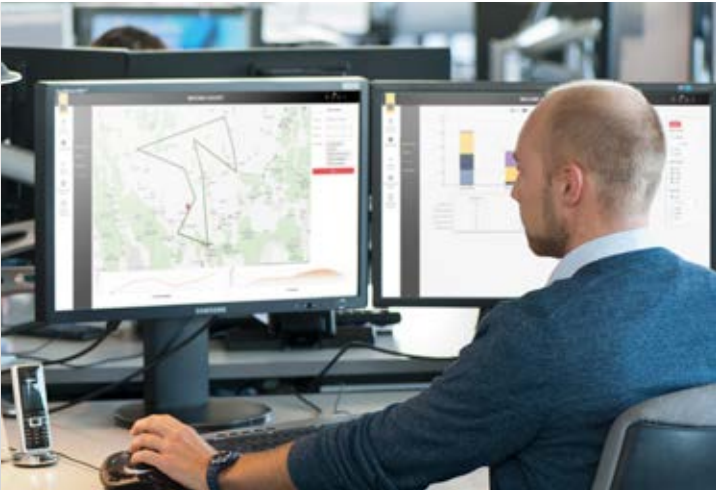
Part name	Specifications	Part number	Product line*
Pressure			
Fluid level indicator	M12	443316	●
Fluid level indicator	M12 LV 300	447905	● ● ●
Pressure gauge	0–60 bar	016372007	● ●
Pressure gauge	0–250 bar	016373006	● ●
Pressure gauge	0–400 bar	017250005	● ●
Pressure gauge	0–600 bar	527005	●
Vacuum meter	1/4" (H); –0.8 bis 1 bar	244084002	●
Vacuum meter	1/4" (H); –0.8 bis 1 bar	060440008	● ●
Circular level	-	254486001	● ●
Other			
Hopper fill level indicator	1.2 m TMP	561484	● ●
Hopper fill level indicator	2.5 m	744255	● ● ●

* Product line
● = BSF ● = BSA ● = PUMI®

MACHINE COCKPIT

We support you in taking the next step into a digital future with a completely new form of fleet management – **the Putzmeister Machine Cockpit**.

This info hub is user-friendly and provides you will all important machine data in real time. The process is fully automated in order to relieve the load on the driver and prevent incorrect entries.



Operating and monitoring elements #07.02 SIGNAL HORN

#07.02 Signal horn

Part name	Specifications	Part number	Product line*
Signal horn			
Signal horn	24 V	018974005	●

Operating and monitoring elements #07.03 SENSORS

Sensors are not only used to reliably monitor all relevant pressures, temperatures, positions and fill levels. The recorded data can also be comprehensively analysed and collated in order to avoid critical statuses and optimise all systems.



Pressure sensor

#07.03 Sensors

Part name	Specifications	Part number	Product line*
Pressure			
Pressure sensor	0–600 bar, 10–30 V DC	420220	● ● ●
Pressure sensor	0–600 bar, CAN , 10–35 V	580089	●
Pressure sensor	-1 to +1 bar, 10–30 V	751037	●
Pressure sensor	-1 to +9 bar, 10–30 V	751050	●
Temperature			
Temperature sensor	-25 °C to +100 °C , 1/4"	453554	● ● ●
Temperature sensor	-25 °C to +100 °C , 10 V	619088	●
Temperature sensor	55 °C, M14 x 1.5 mm	067860005	
Temperature sensor	70 °C, M14 x 1.5 mm	278493009	● ●
Temperature sensor	90 °C / 65 °C, M14 x 1.5 mm	403405	●
Angle and inclination			
Angle sensor	+/- 30°, 10–30 V, 4–20 mA	541161	● ●
Angle sensor	+/- 180°, 10–32 V, CAN-V2	743993	●
Angle sensor	0–100°	439690	● ● ●
Angle sensor	0–120°	724011	●
Inclination sensor	1 axis 0–120°, CANopen Safety	739390	● ●
Inclination sensor	2 axis +/- 20°, CANopen Safety	739383	● ●
Angle sensor	CANopen Safety	739384	● ●
Angle sensor	CANopen Safety	709860	●
Rope length sensor			
Rope length sensor	5 m without transducer	690790	●
Rope length sensor	5 m CANopen Safety	739385	●
Limit switch and magnetic switch			
Magnetic switch	M12 x 1 mm	270321001	● ● ●
Mechanical limit switch	24 V, 50 A for boom cradle	631205	● ●
Mechanical limit switch	24 V, 50 A	595311	●
Proximity limit switch	M12 x 1 mm for drive cylinder	542817	●
Proximity limit switch	M18 x 1 mm für for S transfer tube	266085005	●

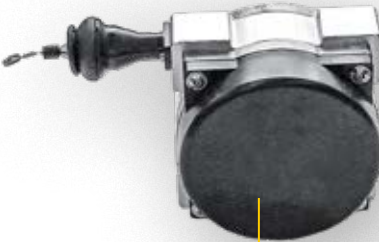
* Product line
● = BSF ● = BSA ● = PUMI®



Angle sensor



Inclination sensor



Rope length sensor



Mechanical limit switch

MACHINE CONTROL SYSTEM

The machine control system comprises the areas of the pump, boom, support leg, mixer for the PUMI®, auxiliary functions such as the agitator or water pump and the motor control system as the vehicle interface. In addition to the standard remote control, there are also operating elements on the control cabinet and local control panels for maintenance work or emergencies. Emergency stop pushbuttons are located in critical areas of the pump.

#08

Machine control system

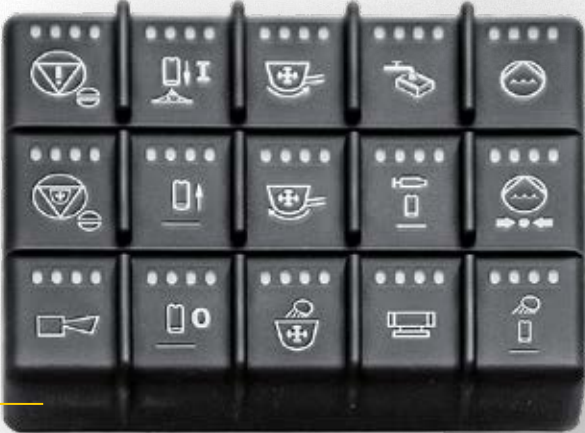
#08.01 MACHINE CONTROL SYSTEM

#08.01 Machine control system

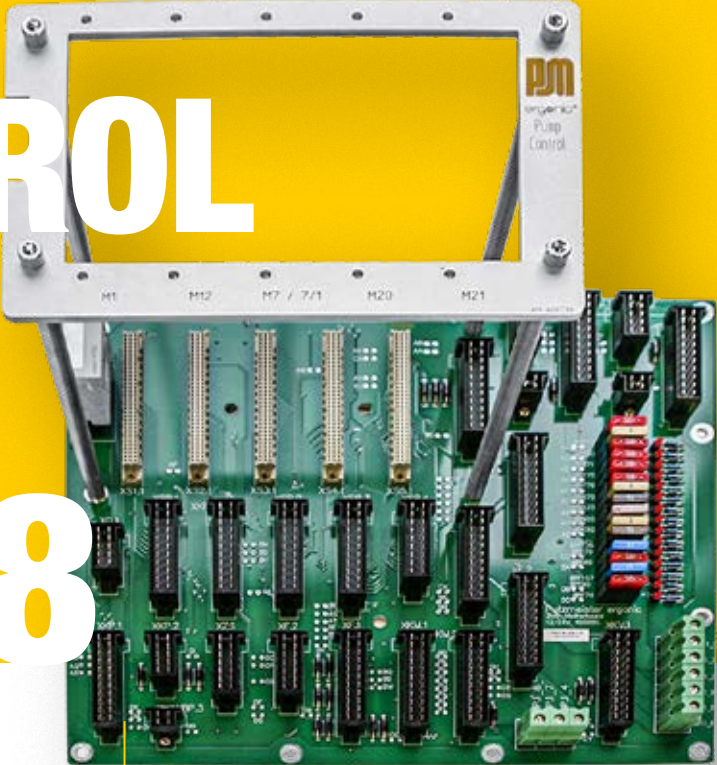
Part name	Specifications	Part number	Product line*
Control cabinet components			
Main PCB	-	406880	●
Module 1	24 V	451698	●
Module 20	24 V	405935	●
Optional module 5	5, OSS, 24 V	404720	●
Microcontroller	9–32 V; 40 MHz.2BB	453746	● ● ●
Control and keyboard modules			
Control module with 3 buttons	for control cabinet, with CAN graphics	439338	● ● ●
Control module with 5 buttons	for control cabinet, with CAN graphics	528072	● ●
Keyboard module with 15 buttons	for steps	585891	● ●
Keyboard module with 15 buttons	for support, left	651630	●
Keyboard module with 15 buttons	for support, right	651631	●
Keyboard module with 15 buttons	for mixer	604505	●
Keyboard module with 15 buttons	for hopper pump	604504	●

* Product line
● = BSF ● = BSA ● = PUMI®

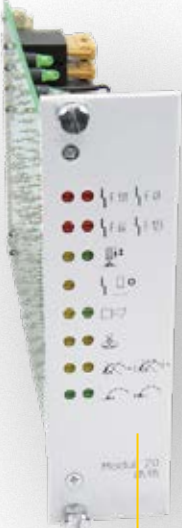
Keyboard module with 15 buttons



Main PCB



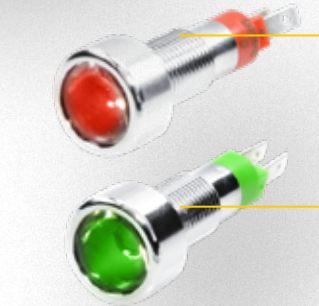
Module 20



Pushbutton

#08.01 Machine control system

Part name	Specifications	Part number	Product line*
Switch/button for control panel and control cabinet			
Toggle switch	0 – latch	067032008	● ●
Toggle switch	latch – 0 – latch	067033007	● ●
Toggle switch	latch – 0	067034006	● ●
Toggle switch	touch – 0 – touch	067035005	● ●
Toggle switch	latch – latch – latch	293063003	●
Toggle switch	touch – 0 – touch, 2-pin	232477003	● ●
Rubber cap	for toggle switch and button	067037003	● ●
Toggle switch	latch – 0 – latch, 4-pin	258632000	● ●
Rubber cap	for toggle switch, 4-pin	501987	●
Diodes, LEDs			
LED, green	24 V, 20 mA	244846004	● ● ●
LED, yellow	24 V, 20 mA	252186002	● ●
LED, red	24 V, 20 mA	244847003	● ●
Diode	1 000 V, 3 A	065151004	● ● ●
Relay			
Changeover relay	24 V, 20/30 A	269463006	● ● ●
Relay	24 V, 8 A, 2 changeover contacts	274147003	● ●
Relay	24 V, 6 A, 2 changeover contacts	415281	●
Relay	24 V, 8 A, 4-pin	602156	●
Control system - other			
Push-button with yellow mushroom cap	-	433523	● ●
Push-button with black mushroom cap	-	433520	● ●
Emergency stop switch box assembly	-	433369	● ● ●
Emergency stop push-button	for control cabinet and switch box	427386	● ●
Switching element	for emergency stop push-button	406329	● ●
Transponder	for boom cradle, agitator	534958	● ● ●
Evaluation device	for boom cradle, agitator	531793	● ● ●
Position switch	for agitator, previous version	452208	● ●



LEDs



Changeover relay



Transponder

* Product line
● = BSF ● = BSA ● = PUMI®

RADIO REMOTE CONTROL

The boom and pump are mainly controlled via the Ergonic® radio remote control. With the third generation, the radio remote control has developed from a pure remote control to a real switching and information centre. It consists of the radio receiver on the machine and the transmitter, which can also be connected to the machine via a cable if necessary.

#09

Radio remote control

#09.01 RADIO REMOTE CONTROL

#09.01 Radio remote control

Part name	Specifications	Part number	Ergonic®			
Remote control unit			1	2	2F	3
Remote control unit	-	690719				
Remote control cable	-	695298				
Distributor	-	646760				
Remote control unit	-	449748				
Remote control cable	32-pin, 25 m	433772				
Remote control cable	32-pin, 40 m	433776				
Display			1	2	2F	3
Protective film for display	5 pcs. for display Ergonic® 1	501845				
Protective film	for display Ergonic® 2, 2F und 3	595365				
Transmitter casing			1	2	2F	3
Lower casing section	for Ergonic® 1	495537				
Lower casing section	for Ergonic® 2	594966				
Lower casing section	for Ergonic® 2F und 3	708639				
Grips and brackets			1	2	2F	3
Handle	left	400951				
Handle	right	400952				
Side section	set - left and right	708650				
Roll bar remote	control bracket, front	292584004				
Bracket for belt	single	292461004				
Bracket for belt	set	708648				
Pushbutton			1	2	2F	3
Pushbutton	-	595012				
Pushbutton	side	595017				
Pushbutton	-	294941001				



Ergonic® 2 Facelift (2F)



Ergonic® 2



Ergonic® 1

ergonic®3



Lateral pushbuttons Bracket for belt Pushbutton Rotary knob
Rotary switch / Potentiometer Joystick
Rotary knob Bellows Lateral Stop pushbutton Side section

#09.01 Radio remote control

Part name	Specifications	Part number	Ergonic®			
Joystick			1	2	2F	3
Joystick	2 axes	487161				
Joystick	3 axes	487160				
Joystick	2 axes with adapter board	292116003				
Joystick	3 axes with adapter board	291273002				
Pulse generator	-	518999				
Joystick	-	595011				
Joystick	-	708652				
Rotary knob	-	466329				
Rotary knob	-	661386				
Bellows	-	292129003				
Bellows	-	661384				
Potentiometer	PE30 4,7 KOHM	067735004				
Rotary switch			1	2	2F	3
Rotary switch	-	595016				
Potentiometer	-	249791002				
Rotary switch	EBC on/off	241402001				
Rotary knob	Cap for rotary switch	255255008				
Stop pushbutton			1	2	2F	3
Stop pushbutton	-	708642				
Stop pushbutton	-	241401002				
Toggle switch			1	2	2F	3
Toggle switch	1-0-1	241502008				
Toggle switch	1-0-1	295755005				
Toggle switch	1-1	241504006				
Toggle switch	R-0-R	418164				
Water protection cap	for toggle switch	241416000				
Rubber cap	for toggle switch	249520008				

#09.01 Radio remote control

Part name	Specifications	Part number	Ergonic®			
Battery			1	2	2F	3
Battery	NiMH battery for Ergonic® 1	458017	●			
Battery	Li-ion battery for Ergonic® 2	580792		●		
Battery	Li-ion battery for Ergonic® 2 Facelift and Ergonic® 3	682001			●	●
Battery charger			1	2	2F	3
Charger	for NiMH battery Ergonic® 1	459061	●			
Charger	for Li-ion battery Ergonic® 2	594997		●		
Charger	for Li-ion battery Ergonic® 2 Facelift and Ergonic® 3	686748			●	●
Battery compartment for transmitter			1	2	2F	3
Battery compartment	for NiMH battery Ergonic® 1	495536	●			
Aerial for transmitter			1	2	2F	3
Aerial	430–440 MHz Ergonic® 1 for transmitter	280469005	●			
Aerial	869 MHz Ergonic® 1	434446	●			
Aerial cable	SMA – MMCX, 300 mm	607917	●			
Aerial cable	SMA – SMB, 300 mm	519170	●			
Aerial, internal	410–440 MHz	594969		●	●	●
Aerial, internal	2.4 GHz	650886		●	●	●
Aerial for radio receiver			1	2	2F	3
Vehicle aerial	450/950 MHz Ergonic® 1	434444	●			
Vehicle aerial	FL 30, 869 MHz	406519	●			
Vehicle aerial	FL 70, 433 MHz	225696008	●			
Vehicle aerial	410–440 MHz Ergonic® 2, 2F und 3	595372		●	●	●
Vehicle aerial	2.4 GHz Ergonic® 1 and Ergonic® 2	610401	●	●		
Vehicle aerial	2.4 GHz Ergonic® 2 Facelift	693975			●	
Aerial cable	3 m	434447	●			
Aerial cable	1 m	539570		●	●	●
Remote control cable			1	2	2F	3
Connection cable	20 m	420459		●	●	●
Connection cable	30 m	592903		●	●	●
Dust cap		412506		●	●	●
Carry accessories			1	2	2F	3
Waist carrying strap	FSE 727	580794		●	●	●
Waist carrying strap	82–132 cm	288778002	●			●
Neck carrying strap	-	403322		●	●	●
Shoulder carrying strap	-	295773003	●			
Extension	by max. 33 cm	618910	●	●	●	●
Buckle	-	271294001	●	●	●	●



Li-ion battery

DC charger

Radio receiver

Waist carrying strap

USER-FRIENDLINESS MADE BY PUTZMEISTER

Ergonic® inside means that the machines are quickly ready for use and they work with high power, fuel efficiency and low wear. And most importantly for machine operators: Work becomes easy!



WATER SYSTEM

The water system in the mobile concrete pumps is used to clean the machine directly on site after pumping operations. Most impurities can be eliminated with flushing water up to a maximum of 25 bar. High-pressure water pumps with 100 to 140 bar are also available, including a comprehensive range of accessories.

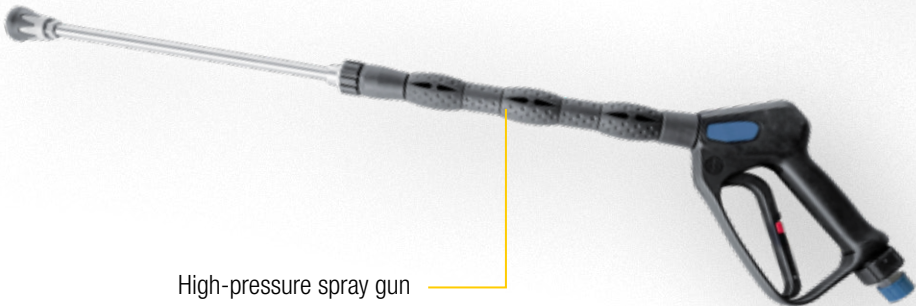


#10

Water system #10.01 WATER SYSTEM

#10.01 Water system			
Part name	Specifications	Part number	Product line*
Water tank			
Plastic water tank	610 l	443328	●
Plastic water tank	700 l	651043	●
Plastic water tank	800 l	537044	●
Plastic water tank	880 l	443337	●
Flushing water pump			
Flushing water pump	WP 50	018533006	●
Flushing water pump	CNP CDLK 4-160	572219	●●
Flushing water pump	CRK4-160	404435	●
Cleaning gun 25 bar	60 l/min, 60 bar	627941	●
High-pressure water pump			
High-pressure water pump with drive	13.2 l/min, 140 bar Generation 3	619555	●
High-pressure water pump with drive	13.2 l/min, 140 bar Generation 2	457254	●●
High-pressure water pump	Generation 2 and 3	459051	●●
Spare parts kit, gaskets	for High-pressure water pump	430353	●●
Spare parts kit, valves	for High-pressure water pump	430351	●●
Repair kit, valves	for High-pressure water pump	459055	●●
High-pressure spray gun	350 bar with nozzle	433902	●●
High-pressure hose	215 bar, 10 000 mm, M22 x 1,5	429918	●●

* Product line
● = BSF ●● = BSA ●● = PUMI®



High-pressure spray gun

High-pressure water pump



Flushing water pump

ATTACHMENTS AND ACCESSORIES

Putzmeister concrete pumps already feature an extensive range of standard equipment. To make them even more flexibly and better equipped for the various needs and requirements of today's applications, Putzmeister offers an extraordinary range of accessories and special equipment.

#11



Step

Attachments and accessories

#11.01 ATTACHMENTS

Putzmeister offers a wide range of accessories for tackling daily challenges and diverse requirements. You will find a small selection here. Putzmeister has various solutions for making access to the machine more comfortable and safe and gaining additional space for the secure storage of delivery lines, accessories, tools and documents.

#11.01 Attachments

Part name	Specifications	Part number	Product line*
Steps			
Step	B = 300 mm	247010002	●
Step, left	aluminium	415293	●
Step, right	aluminium	424747	●
Steps	-	665849	●
Handle	aluminium	411687	●
Stowage compartment			
Pripro plate container	770 x 250 x 720 mm left	563989	●
Pripro plate container	770 x 250 x 720 mm right	564020	●
Pripro timber block plate container	770 x 370 x 720 mm left	563561	●
Pripro timber block plate container	770 x 370 x 720 mm right	563562	●
Pripro stowage compartment	770 x 400 x 550 mm	581000	●
Pripro stowage compartment	770 x 450 x 550 mm	541953	●
Stowage compartment assembly	for swinging support leg	654461	●
Container	for 3 sponge balls with holder	543236	●
Document roll	with latch	543092	● ●
Fixing plate	for pipe bracket	589988	●
Gas spring	280 N	467077	● ● ●
Gas spring	150 N	460960	●
Hinge	for Pripro container	486630	●
Mudguard			
Mudguard	Ø 650 mm with spray guard	539182	● ●
Mudguard	Ø 650 mm without spray guard	539204	● ●
Fixing bracket	for mudguard assembly	585084	● ●

* Product line
● = BSF ● = BSA ● = PUMI®



Container for sponge balls

Attachments and accessories

#11.02 ACCESSORIES

Putzmeister offers a wide range of accessories for tackling daily challenges and diverse requirements. You will find a small selection here.



Toolbox complete with tools

#11.02 Accessories

Part name	Specifications	Part number	Product line*
Support			
Support plate	600 x 600 x 50 mm 400 kN	570943	● ●
Support plate	600 x 600 x 50 mm 500 kN with recess	453593	●
Timber block	150 x 150 x 600 mm	284723006	●
Timber block	150 x 150 x 1 000 mm	280546009	●
Hydraulic fluid accessories			
Bypass filter	4 bar, 8 l/min	279994002	●
PM analysis kit for hydraulic fluid	-	257260004	● ● ●
Cleanout lid	Ø 235 mm, assembly	235217008	● ● ●
Cleanout lid	Ø 235 mm	295052009	● ● ●
Protective hose	LW125	242785002	● ●
Mobile bypass filter system	-	488925	● ● ●
Tank cap			
Tank cap	B 80	019291004	●
Tank cap	4", lockable	A017048	●
Tank cap	B 50	041708002	●
Testing and measuring equipment			
Wall thickness measuring device	Mechanical	454460	● ● ●
Wall thickness measuring device	Ultrasonic	277434001	● ● ●
Ultrasonic coupling material	250 ml	254025006	● ● ●
Fixing material			
Safety rope	Ø 12 x 1 000 mm	066321008	● ●
Hook	for hoses	501889	● ●
Snap hook	100 x 10 mm	280644008	● ●
Lashing strap	1 000 x 25 mm	482400	● ●
Toolbox			
Toolbox	with three sections	018440005	● ● ●
Toolbox	complete with tools	024449003	● ● ●
Padlock	-	000111009	● ● ●

* Product line
● = BSF ● = BSA ● = PUMI®



Timber block



Tank cap



Ultrasonic wall thickness measuring device

Attachments and accessories

#11.03 CAMERA SYSTEMS AND LIGHTING

Putzmeister offers numerous lighting concepts and camera systems to ensure optimum vision and visibility.

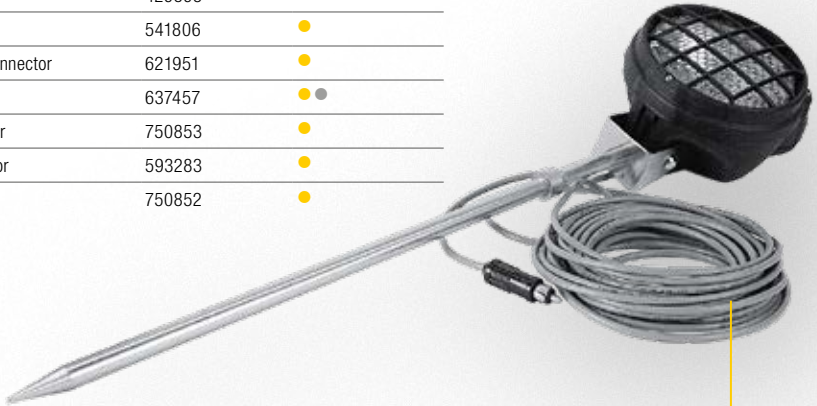
#11.03 Camera systems and lighting

Part name	Specifications	Part number	Product line*
Camera			
Reversing camera system	assembly	622579	●●
Wide-angled camera	Heavy Duty	733393	●
TVI camera	for 360° HD	734076	●
Lighting			
Working light	24 V, 70 W	083691009	●
Working light	24 V, 70 W	286270007	●
Working light	24 V, 18 W LED spot	547982	●
Working light	24 V, 24 W LED	656634	●
Vehicle light	24 V, 0.96 W LED	429893	●
Vehicle light	24 V, 3 W LED flood lamp	541806	●
Vehicle light	24 V, 1 W LED flood lamp with connector	621951	●
Vehicle light	24 V, LED yellow, round D = 146	637457	●●
Vehicle light LED	LED flashing green with connector	750853	●
Vehicle light LED	LED flashing yellow with connector	593283	●
Vehicle light LED	LED flashing red with connector	750852	●

* Product line
● = BSF ● = BSA ● = PUMI®



Camera



Working light

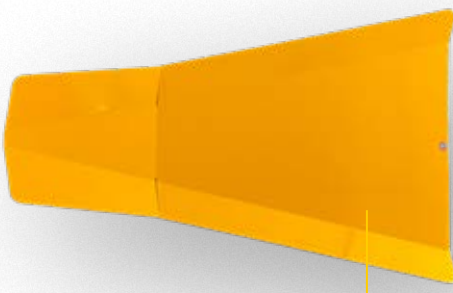
Attachments and accessories

#11.04 ACCESSORIES FOR PUMI®

Putzmeister also offers a comprehensive and tailor-made range of accessories in the usual high quality from Putzmeister for its concrete truck mixers.

#11.04 Accessories for PUMI®

Part name	Specifications	Part number
Rotor		
Pump hose	Ø 125 x 3 120 mm	290111000
Pump hose	Ø 125 x 3 850 mm	290153000
Intake cone	Ø 125 mm GS52	290179000
Chute		
Chute	PUMI® TX30	598291
Hose reel		
Hose reel	HD 15 m 22x1.5 AG/IG	625245
Hose reel	hydraulic/electric, left	412059
Hose reel	hydraulic/electric, right	412057
Hose reel	1/2" 15 m	627690
Hose reel	for water pump, left	653893
Water hose reel	6,3 m – 330 bar	557927



Chute

OPERATING EQUIPMENT

Our selected high-performance hydraulic fluids and lubricants are the perfect choice. They can withstand strong dynamic loads, fulfil the extremely stringent requirements for your Putzmeister machines and permanently reduce maintenance costs.

Our Putzmeister pumping aid has proven to be the ideal addition when it comes to improving pumpability and reducing wear, wear particles and delivery pressure. Many companies have been using this simple yet effective pumping aid for several years, which protects not only the environment but also the purse strings.

#12

Operating equipment

#12.01 OPERATING EQUIPMENT

#12.01 Operating equipment

Part name	Specifications	Part number
Hydraulic fluid		
Hydraulic fluid	HLP46 DIN 51524-2	000171007
Hydraulic fluid	HEES 46 EEL	484527
Greases and transmission fluids		
Grease for rotor hoses	0.85 kg	641163
Grease for rotor hoses	5 kg	252305003
Grease cartridge	0.4 kg	000113007
Transmission fluid	CLP220	000101006
Pumping aid		
Putzmeister pumping aid	0.227 kg	265389003
Putzmeister pumping aid	18 l bucket with 25 bags weighing 0.227 kg	266743004



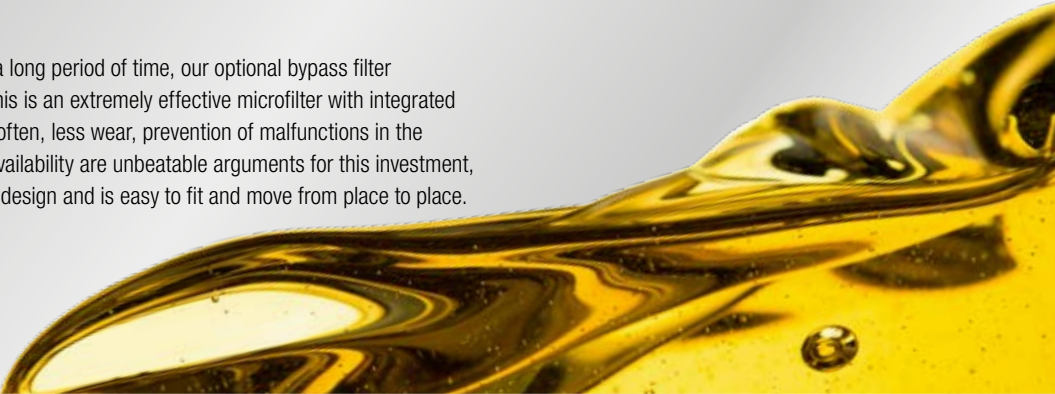
Grease for rotor hoses



Putzmeister pumping aid

BYPASS FILTER

To preserve the purity of the hydraulic fluid over a long period of time, our optional bypass filter (part number 279994002) is the ideal choice. This is an extremely effective microfilter with integrated water separation. Full fluid change required less often, less wear, prevention of malfunctions in the hydraulic system and a higher level of machine availability are unbeatable arguments for this investment, which pays for itself in no time. It has a compact design and is easy to fit and move from place to place.



Original parts and accessories

DELIVERY LINES

Delivery line

Whether it is pipeline systems, delivery hoses or cleaning equipment, Putzmeister offers economical solutions at low operating costs as well as clear quality categories and options for every requirement. Competent advice from our trained service partners or employees is included as standard.

CLEANING ACCESSORIES

A clean delivery line is essential for long-term and fault-free operation. Putzmeister offers high-quality and custom-fit equipment for every requirement. Our sponge balls and wash-out pigs guarantee the optimum and thorough removal of concrete residues in the delivery line.

#13

Cleaning accessories

#13.01 SPONGE BALLS, CUBES, CYLINDERS

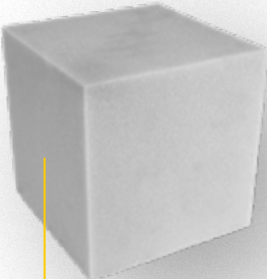
Putzmeister sponges made from particularly tear-resistant and tough sponge rubber ensure a consistently high quality with repeated use without any loss of cleaning power.

#13.01 Sponge balls, cubes, cylinders

Part name	Size	Nominal diameter	Part number
Sponge ball, soft			
Sponge ball, soft	Ø 80 mm	DN 65 and DN 75	422531
Sponge ball, soft	Ø 120 mm	DN 75 to DN 100	230227006
Sponge ball, soft	Ø 150 mm	DN 120 to 140	230229004
Sponge ball, soft	Ø 175 mm	DN 150	458742
Sponge ball, medium			
Sponge ball, medium	Ø 60 mm	DN 50	000212005
Sponge ball, medium	Ø 90 mm	DN 75	633630
Sponge ball, medium	Ø 100 mm	DN 80	295904005
Sponge ball, medium	Ø 120 mm	DN 100	016091003
Sponge ball, medium	Ø 150 mm	DN 120 to DN 140	018841002
Sponge ball, medium	Ø 175 mm	DN 150	026650007
Sponge ball, hard			
Sponge ball, hard	Ø 60 mm	DN 50	233494001
Sponge ball, hard	Ø 80 mm	DN 65 and DN 75	000246000
Sponge ball, hard	Ø 120 mm	DN 100	234053001
Sponge ball, hard	Ø 150 mm	DN 120 to DN 140	223673007
Sponge ball, hard	Ø 175 mm	DN 150	406379
Sponge cube			
Sponge cube	Ø 125 mm	DN 100 to DN120	063567001
Sponge cube	Ø 150 mm	DN 125	063597000
Sponge cylinder			
Sponge cylinder	Ø 140 x 150 mm	DN 125	504034
Sponge cylinder	Ø 175 x 200 mm	DN 150	513102



Sponge ball



Sponge cube



Sponge cylinder

Cleaning accessories

#13.02 CLEANING PIG

Cleaning pigs are more durable and produce better cleaning results. Sponge pigs or a special highly flexible rubber cleaning pig can be used for the boom line.

#13.02 Cleaning pig

Part name	Size	Nominal diameter	Part number
Sponge pig			
Sponge pig	Ø 80 x 105 mm	DN 65	257107002
Sponge pig	Ø 120 x 150 mm	DN 100	256126000
Sponge pig	Ø 150 x 180 mm	DN 120 and DN 125	253086004
Rubber cleaning pig			
Cleaning pig	Ø 100	for stationary line only	253952002
Cleaning pig	Ø 125	for stationary line only	253953001
Cleaning pig	Ø 125 flexible	for boom and stationary line	265417001
Cleaning pig	Ø 150	for stationary line only	253955009



Sponge pig



Cleaning pig

Cleaning accessories

#13.03 CATCHING BASKETS, PORTS AND LIDS

Putzmeister offers wash-out adaptors and wash-out port lids for safely connecting water or compressed air. Safe cleaning requires the use of catch baskets for collecting sponges and pigs and preventing the uncontrolled escape of concrete residues and water.

#13.03 Catching baskets ports and lids

Part name	Specifications	Part number
Cleaning port for water or compressed air cleaning		
Cleaning port	SK 100 / 4.5"; with pressure gauge, connection and pressure outlet	276711000
Cleaning port	SK 125 / 5.5"; with pressure gauge, connection and pressure outlet	276591000
Cleaning port lid for water connection		
Cleaning port lid	DN 100 / 4"	054372001
Cleaning port lid	DN 100 / 4.5"	057618005
Cleaning port lid	DN 120 / 5"	054373000
Cleaning port lid	DN 125 / 5.5"	057619004
Cleaning port lid	DN 150 / 6"	054374009
Catching basket		
Catching basket	SK 65 / 3"; for sponge balls up to 80 mm	277920007
Catching basket	SK 100 / 4.5"; for sponge balls up to 120 mm	276715006
Catching basket	SK 120 / 5.0"; for sponge balls up to 150 mm	279243009
Catching basket	SK 125 / 5.5"; for sponge balls up to 120 mm	276593008
Catching basket	SK 150 / 6.0"; for sponge balls up to 150 mm	279234005



Cleaning port adaptor



Catching basket

PUTZMEISTER PIPELINE SYSTEM

- # TOP QUALITY
- # MAXIMUM AVAILABILITY
- # HIGH EFFICIENCY

BOOM PIPELINE

- # Flexible, rotatable and stable
- # Coupling system: SK
- # Nominal diameters: DN 100, DN 117, DN 125

DECK PIPELINE

- # Stable and wear-resistant
- # Coupling systems: SK and ZX (back-end-kit)
- # Nominal diameters: DN 125, DN 150

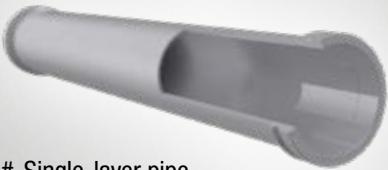
STATIONARY PIPELINE

- # Pressure-resistant, robust and with many variants
- # Coupling systems: ZX and SK
- # Nominal diameters: DN 50 to DN 200



Our Proline brand stands for top quality when it comes to pressure resistance, durability and wear resistance. In addition to straight pipes, we also offer elbows as well as reducers and other pipeline parts.

PROLINE 1000



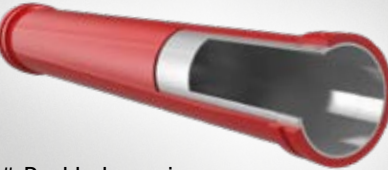
- # Single-layer pipe
- # ST52
- # 85 bar
- # Good value
- # For light and normally abrasive media

PROLINE 2000



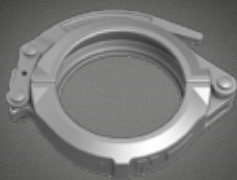
- # Double-layer pipe
- # Inner pipe hardened up to 63 HRC
- # 85 bar
- # Stable
- # For Wear-intensive media

PROLINE 3000

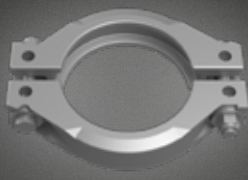


- # Double-layer pipe
- # Inner pipe hardened up to 67 HRC
- # 85 bar
- # Maximum durability
- # For Heavily wear-intensive media

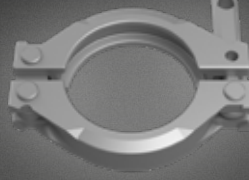
COUPLING TYPES



SK-H lever coupling
Flexible connection with cotter pin attachment, suitable for simple laying and opening.



ZX-S and SK-S threaded coupling
Absolutely leak-tight and secured connection, suitable for fixed or temporarily fixed laying.



ZX-K and SK-K eye-bolt coupling
Secured connection, suitable for fast laying.



ZX-W wedge coupling
Secured connection, suitable for rapid opening.

COUPLING SYSTEMS

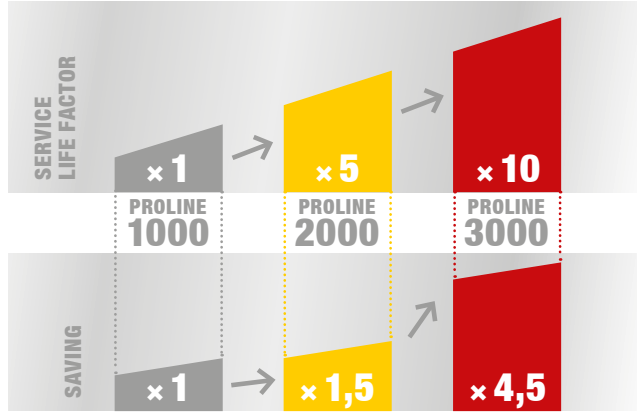


SK coupling system
Flexible and fast laying
For conveying concrete
Pressure-resistant up to 85 bar



ZX coupling system
Leak-tight and stable
For conveying concrete and high-density solids
Pressure-resistant up to 250 bar

PROLINE EFFICIENCY COMPARISON



* Measured based on overall costs throughout the service life of Proline 3000

BACK-END-KIT AND DECK PIPING

The area directly between the hopper and the boom is particularly critical in terms of wear, as this is where the pressure is at its highest. The points at which the pipeline narrows to DN 125 and reroutes into the riser are another two wear-intensive areas.

Putzmeister uses reinforced components that have been optimised for these specific areas with the objective of ensuring the same degree of wear along the entire pipeline. This maximises the service life and the delivery line can be replaced as a complete unit without having to sacrifice the remaining service life of individual pump pipes. This saves time and money and ensures that the concrete pump has a high availability rate.

#14



PROLINE
by Putzmeister



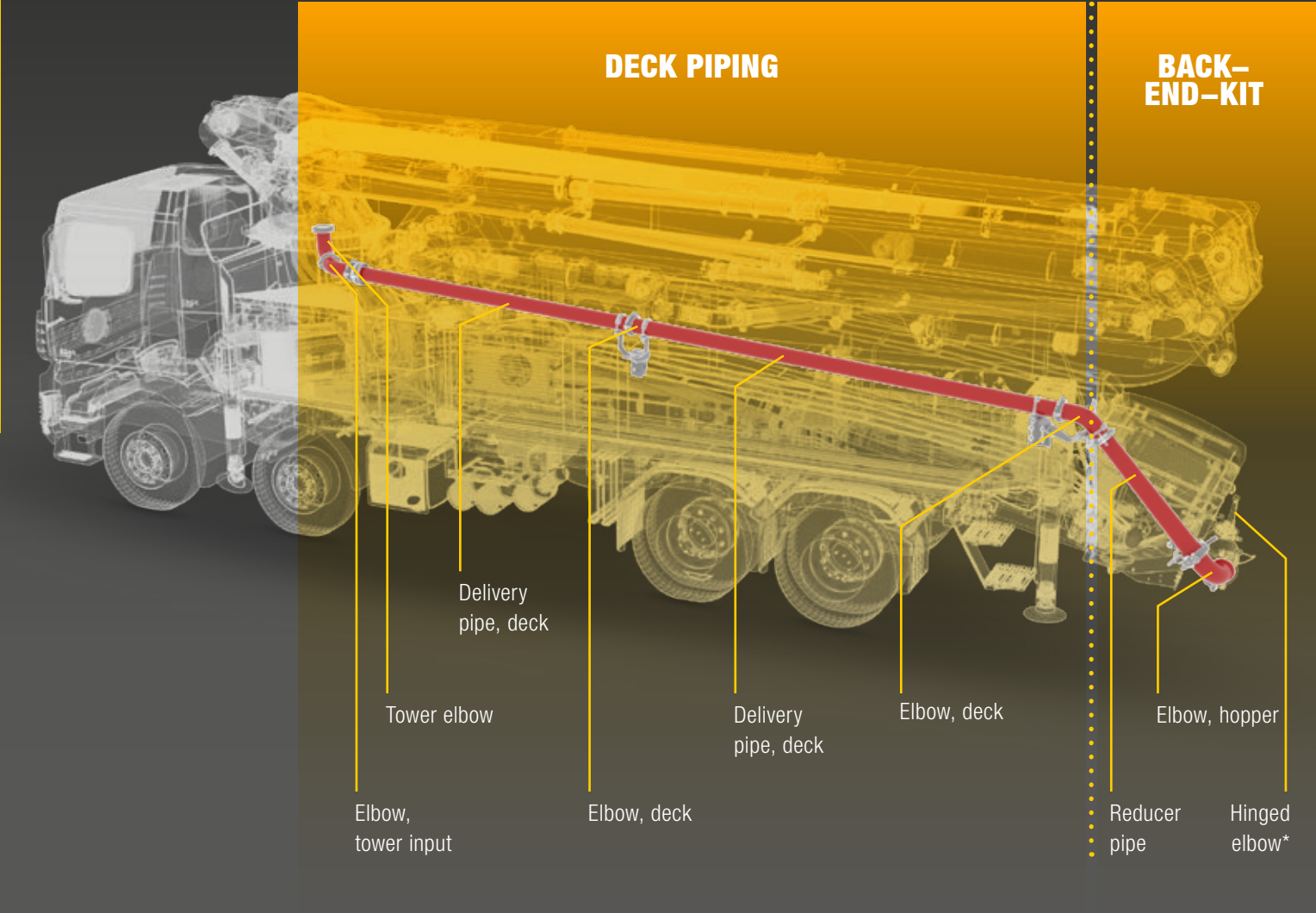
	PROLINE 1000	PROLINE 2000	PROLINE 3000
			
Material:	Single-layer ST52	Double-layer with hardened inner pipe	Double-layer with hardened inner pipe
Coupling:	SK 125 / 5.5"	SK 125 / 5.5"	SK 125 / 5.5"
Working pressure:	85 bar	85 bar	85 bar
Deck wall thickness:	7.1 mm	5.6 + 3.0 mm	5.6 + 3.0 mm
Hardness:	-	up to 63 HRC	up to 67 HRC
Length:	80–6 000 mm	80–6 000 mm	80–6 000 mm
			
Material:	Single-layer ST52	Double-layer with hardened inner pipe	Double-layer with hardened inner pipe
Coupling:	SK 125 / 5.5"	SK 125 / 5.5"	SK 125 / 5.5"
Working pressure:	85 bar	85 bar	85 bar
Deck wall thickness:	7.0–12.0 mm	7.0 + 4.0 mm	7.0 + 2.0 mm
Hardness:	-	up to 63 HRC	up to 67 HRC
Angle:	5–90°	5–90°	5–90°

Hopper and deck piping #14.01 BACK-END-KIT

#14.01 Back-end-kit

Part name	Specifications	Net weight	Part number	Net weight	Part number	Net weight	Part number
Elbow		Proline 1000		Proline 2000		Proline 3000	
Elbow	ZX 150 / 6.0"; 90° cast	-	-	-	-	29.3 kg	292079001
Elbow	ZX 150 / 6.0"; 90°	-	-	22 kg	422189	29.3 kg	445070
Reducer pipe/T reducer pipe		Proline 1000		Proline 2000		Proline 3000	
Reducer pipe	ZX 150 / 6.0" – SK 125 / 5.5"; 1 200 mm	40 kg	435338	39 kg	277401005	39 kg	441016
Reducer pipe	ZX 150 / 6.0" – SK 125 / 5.5"; 1 000 mm	26 kg	449713	39 kg	277400006	29 kg	445072
T reducer pipe	SK 150 / 6.0" – SK 125 / 5.5" with branch SK 125 / 5.5"; 1 200 mm	-	-	-	-	36 kg	291464002
T reducer pipe	ZX 150 / 6.0" – SK 125 / 5.5" with branch SK 125 / 5.5"; 1 200 mm	-	-	-	-	44 kg	412980
T pipe PUMI®		Proline 1000		Proline 2000		Proline 3000	
T pipe PUMI®	SK 125 / 5.5"; 500 mm	15.4 kg	281557000	17.0 kg	244442000	16.0 kg	289779000

OVERVIEW



* On page 20

Hopper and deck piping #14.02 DECK PIPING

#14.02 Deck piping

Part name	Specifications	Net weight	Part number	Net weight	Part number	Net weight	Part number
Delivery pipe, deck		Proline 1000		Proline 2000		Proline 3000	
Delivery pipe	SK 125 / 5.5"; 200 mm	5.5 kg	548679	6.7 kg	560669	6.7 kg	584516
Delivery pipe	SK 125 / 5.5"; 1 500 mm	35.6 kg	275215002	43.1 kg	287669002	43.1 kg	422318
Delivery pipe	SK 125 / 5.5"; 3 000 mm	70.3 kg	274570007	85.1 kg	287673001	85.1 kg	416972
Delivery pipe	SK 125 / 5.5"; 3 500 mm	81.9 kg	556077	99.1 kg	287674000	99.1 kg	422320
Elbow, deck and tower input		Proline 1000		Proline 2000		Proline 3000	
Elbow	SK 125 / 5.5"; 10°	3.2 kg	088026006	4.3 kg	234060007	3.8 kg	416960
Elbow	SK 125 / 5.5"; 30°	4.6 kg	258935008	9.0 kg	595267	5.7 kg	416957
Elbow	SK 125 / 5.5" with extension on both sides 120 mm; 45°	13.4 kg	537076	15.2 kg	530217	15.2 kg	536862
Elbow	SK 125 / 5.5" with extension on one side 240 mm; 45°	14.6 kg	427190	-	-	14.0 kg	429752
Tower elbow		Proline 1000		Proline 2000		Proline 3000	
Tower elbow	SK 125 / 5.5"; 90°	15.9 kg	261402007	16.0 kg	027630000	14.6 kg	410457

BOOM PIPEWORK

The pipework for the placing booms must be both stable and leak-tight as well as flexible and rotatable, with as long a service life as possible. Putzmeister boom pipework fulfils all of these demands. Three quality levels are available, which offer optimum machine availability and operating costs for every level of investment. Our many years of experience have shown, however, that our up to 67 HRC hardened Proline 3000 double-layer pipe is the most economical

for heavily abrasive materials and high delivery rates. Thanks to its optimum wear resistance in both the area of the inlet and outlet collar and in the problematic areas of the elbows of the pivot hinges, the material can withstand the load for an extraordinarily long period of time.

#15

PROLINE 1000 PROLINE 2000 PROLINE 3000



Material:	Single-layer ST52	Double-layer with hardened inner pipe	Double-layer with hardened inner pipe
Coupling:	SK 100 / 4.5" and SK 125 / 5.5"	SK 100 / 4.5" and SK 125 / 5.5"	SK 117 / 5.5" and SK 125 / 5.5"
Working pressure:	85 bar	85 bar	85 bar
Deck wall thickness:	3.6 mm or 4.0 mm	2.0 + 2.0 mm or 2.5 + 2.0 mm	2.0 + 1.5 mm or 3.0 + 1.5 mm
Hardness:	-	up to 63 HRC	up to 67 HRC
Length:	80–6 000 mm	80–6 000 mm	80–6 000 mm



Material:	Single-layer ST52	Double-layer with hardened inner pipe	Double-layer with hardened inner pipe
Coupling:	SK 125 / 5.5"	SK 125 / 5.5"	SK 125 / 5.5"
Working pressure:	85 bar	85 bar	85 bar
Deck wall thickness:	7.0–12.0 mm	7.0 + 4.0 mm	7.0 + 2.0 mm
Hardness:	-	up to 63 HRC	up to 67 HRC
Angle:	5–90°	5–90°	5–90°

ADAPTER PIPE

Most pipes in the concrete pump have define standard lengths. The deck and boom pipework also features adapter pipes, however. The adapter pipe length is derived from the exact length of the boom arm and is dependent on manufacturing tolerances. A pipeline that is always the same length is susceptible to bracing, is difficult to assemble and therefore often leaks.

The adapter pipe lengths for your Putzmeister machines are, as always, fully documented. This means that you will always receive the appropriate adapter pipe quickly and easily as required.



Boom pipework #15.01 SK 100/4.5"

#15.01 SK 100 / 4.5"

Part name	Specifications	Net weight	Part number	Net weight	Part number	Net weight	Part number
Delivery pipe SK 100		Proline 1000		Proline 2000		Proline 3000	
Delivery pipe	SK 100 / 4.5"; 1 000 mm	10.8 kg	056861002	11.0 kg	288130006	-	-
Delivery pipe	SK 100 / 4.5"; 1 500 mm	15.4 kg	424364	15.4 kg	288134002	-	-
Delivery pipe	SK 100 / 4.5"; 2 000 mm	20.0 kg	056862001	24.0 kg	288138008	-	-
Delivery pipe	SK 100 / 4.5"; 3 000 mm	29.3 kg	056863000	34.0 kg	288146003	-	-
Delivery pipe	SK 100 / 4.5"; 4 000 mm	38.5 kg	413823	43.2 kg	288154008	-	-
Delivery pipe	SK 100 / 4.5"; 6 000 mm	57.0 kg	057601009	67.0 kg	288170008	-	-
Elbow SK 100		Proline 1000		Proline 2000		Proline 3000	
Elbow	SK 100 / 4.5"; 15°	3.7 kg	057595005	4.1 kg	233848000	-	-
Elbow	SK 100 / 4.5"; 30°	5.4 kg	057595006	5.4 kg	232230004	-	-
Elbow	SK 100 / 4.5"; 30° with extension 120 mm	9.5 kg	624826	11.0 kg	632240	-	-
Elbow	SK 100 / 4.5"; 45°	6.0 kg	057593007	6.0 kg	232172007	-	-
Elbow	SK 100 / 4.5"; 45° with extension 120 mm	10.8 kg	598101	12.2 kg	632241	-	-
Elbow	SK 100 / 4.5"; 90° CLR* 180 mm	8.9 kg	431906	8.1 kg	248655000	-	-
Elbow	SK 100 / 4.5"; 90° CLR* 275 mm	11.8 kg	421329	10.1 kg	232159004	-	-

* Centre line radius

Boom pipework #15.02 SK 117 / 5.5"

#15.02 SK 117 / 5.5"

Part name	Specifications	Net weight	Part number	Net weight	Part number	Net weight	Part number
Delivery pipe SK 117		Proline 1000		Proline 2000		Proline 3000	
Delivery pipe	SK 117 / 5.5"; 1 000 mm	-	-	-	-	17.3 kg	465109
Delivery pipe	SK 117 / 5.5"; 1 500 mm	-	-	-	-	21.0 kg	592211
Delivery pipe	SK 117 / 5.5"; 2 000 mm	-	-	-	-	26.0 kg	465131
Delivery pipe	SK 117 / 5.5"; 3 000 mm	-	-	-	-	34.7 kg	465013
Delivery pipe	SK 117 / 5.5"; 3 500 mm	-	-	-	-	43.4 kg	465147
Elbow SK 117		Proline 1000		Proline 2000		Proline 3000	
Elbow	SK 117 / 5.5"; 10°	-	-	-	-	4.2 kg	465008
Elbow	SK 117 / 5.5"; 15°	-	-	-	-	4.4 kg	465287
Elbow	SK 117 / 5.5"; 30°	-	-	-	-	5.6 kg	465005
Elbow	SK 117 / 5.5"; 90°	-	-	-	-	10.8 kg	465004
Elbow	SK 117 / 5.5"; 90° with extension 70 mm	-	-	-	-	14.8 kg	498618

APPLICATION EXAMPLES FOR DN 100 AND DN 117



Application for SK 100 / 4.5":
Various PUMI® models



Application for SK 117 / 5.5":
Older generations of large boom BSF 6x



Application for SK 117 / 5.5":
Placing boom MX36

Boom pipework
#15.03 SK 125 / 5.5"

#15.03 SK 125 / 5.5"

Part name	Specifications	Net weight	Part number	Net weight	Part number	Net weight	Part number
Delivery pipe SK 125		Proline 1000		Proline 2000		Proline 3000	
Delivery pipe	SK 125 / 5.5"; 330 mm	5.8 kg	409906	7.1 kg	466294	7.12 kg	454817
Delivery pipe	SK 125 / 5.5"; 500 mm	8.0 kg	056848009	9.5 kg	280932008	9.5 kg	410452
Delivery pipe	SK 125 / 5.5"; 810 mm	11.9 kg	462765	13.9 kg	560055	13.9 kg	462786
Delivery pipe	SK 125 / 5.5"; 1 000 mm	14.3 kg	056849008	16.6 kg	280933007	16.6 kg	416967
Delivery pipe	SK 125 / 5.5"; 1 300 mm	18.1 kg	291448002	20.8 kg	570928	20.8 kg	570940
Delivery pipe	SK 125 / 5.5"; 1 650 mm	22.6 kg	560090	25.8 kg	560058	25.8 kg	560067
Delivery pipe	SK 125 / 5.5"; 1 800 mm	24.5 kg	245678006	27.9 kg	292698000	27.9 kg	422314
Delivery pipe	SK 125 / 5.5"; 2 000 mm	27.0 kg	056850000	30.7 kg	280935005	30.7 kg	416968
Delivery pipe	SK 125 / 5.5"; 3 000 mm	39.7 kg	056851009	44.8 kg	280937003	44.8 kg	416969
Delivery pipe	SK 125 / 5.5"; 6 000 mm	77.8 kg	057602008	87.2 kg	280943000	87.2 kg	513768

Elbow SK 125		Proline 1000		Proline 2000		Proline 3000	
Elbow	SK 125 / 5.5"; 20°	4.1 kg	245484009	5.2 kg	240970000	4.5 kg	416958
Elbow	SK 125 / 5.5"; 30° with extension 120 mm	10.0 kg	625280	13.6 kg	618821	14.1 kg	640075
Elbow	SK 125 / 5.5"; 45°	7.0 kg	057596004	8.2 kg	224034001	7.2 kg	416956
Elbow	SK 125 / 5.5"; 90° CLR* 180 mm	11.4 kg	422732	11.0 kg	234059005	11.5 kg	422919
Elbow	SK 125 / 5.5"; 90° CLR* 275 mm	-	-	16.2 kg	027630000	11.5 kg	457194
Elbow	SK 125 / 5.5"; 90° impact elbow with 12 mm + 2 mm; CLR* 275 mm	-	-	-	-	-	402165

Reducer pipe SK 125 – SK 112		Proline 1000		Proline 2000		Proline 3000	
Reducer pipe	SK 125 / 5.5" – SK 112 / 5.5"; 595 mm	-	-	-	-	27.0 kg	448918
Reducer pipe	SK 125 / 5.5" – SK 112 / 5.5"; 3 000 mm	-	-	-	-	74.9 kg	487330

* Centre line radius

IMPACT ELBOW

The impact elbow is the second-to-last elbow in the last arm segment and a particularly wear-critical point. The falling concrete bounces off this delivery line elbow unimpeded depending on the arm position. This impact wear hollows out the centre of the elbow and eventually breaks through. As of BSF 42, the second-to-last elbow in the second-to-last arm assembly is also affected.

This can be remedied by using a specially reinforced impact elbow with an impact-resistant 12 mm cast insert (part number 402165) and not positioning the last arm segment too vertically.

STATIONARY
LINE

The task of the stationary delivery line is to transport the widest range of concrete to wherever it is poured or further processed. Regardless of whether the line lies at an angle over a long distance or points vertically upwards, the delivery line is subject to stringent requirements. Wear resistance, high pressure, maximum stability and a high level of durability, different diameters and an extensive range of accessories in preparation for all conditions of use – Putzmeister offers practical and economical solutions for all of the above

#16

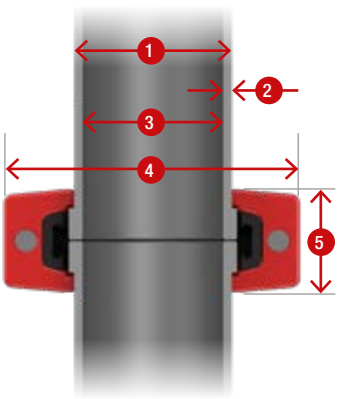
Stationary line
#16.01 SK 65 / 3.0" 85 BAR

#16.01 SK 65 / 3.0" 85 bar

Part name	Specifications	Length / angle	Operating pressure	Weight	Part number
Delivery pipe SK 65					
Delivery pipe	SK 65 / 3.0"	1 000 mm	85 bar	7.0 kg	057727006
Delivery pipe	SK 65 / 3.0"	2 000 mm	85 bar	10.0 kg	057728005
Delivery pipe	SK 65 / 3.0"	3 000 mm	85 bar	20.0 kg	057729004

Elbow SK 65					
Elbow	SK 65 / 3.0"	15°	85 bar	2.0 kg	057760005
Elbow	SK 65 / 3.0"	30°	85 bar	2.5 kg	057759003
Elbow	SK 65 / 3.0"	45°	85 bar	3.1 kg	057758004
Elbow	SK 65 / 3.0"	90°	85 bar	4.5 kg	057756006

Reducer pipe SK 65					
Reducer pipe	SK 65 / 3.0" – SK 50 / 3.0"	1 000 mm	85 bar	9.4 kg	058670000



1. Outside diameter	70 mm
2. Wall thickness	3.2 mm
3. Internal diameter	63.5 mm
4. Outside diameter of coupling	175 mm
5. Width of coupling	49 mm

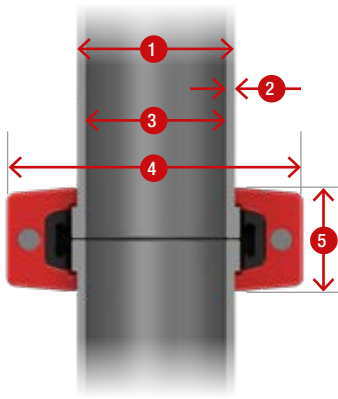
Stationary line
#16.02 SK 80 / 4.0" 85 BAR

#16.02 SK 80 / 4.0" 85 bar

Part name	Specifications	Length / angle	Operating pressure	Weight	Part number
Delivery pipe SK 80					
Delivery pipe	SK 80 / 4.0"	1 000 mm	85 bar	10.0 kg	082408002
Delivery pipe	SK 80 / 4.0"	2 000 mm	85 bar	17.0 kg	082409001
Delivery pipe	SK 80 / 4.0"	3 000 mm	85 bar	34.0 kg	082410003

Elbow SK 80					
Elbow	SK 80 / 4.0"	15°	130 bar	3.6 kg	059643007
Elbow	SK 80 / 4.0"	30°	130 bar	4.5 kg	059642008
Elbow	SK 80 / 4.0"	45°	130 bar	5.6 kg	059641009
Elbow	SK 80 / 4.0"	90°	130 bar	7.1 kg	059639008

Reducer pipe SK 80					
Reducer pipe	SK 80 / 4.0" – SK 65 / 3.0"	1 000 mm	85 bar	13.0 kg	294031005



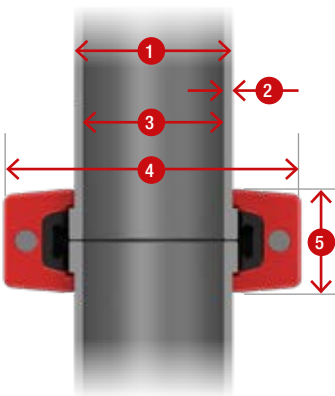
1. Outside diameter	89 mm
2. Wall thickness	3.6 mm
3. Internal diameter	80 mm
4. Outside diameter of coupling	228 mm
5. Width of coupling	38 mm

Stationary line

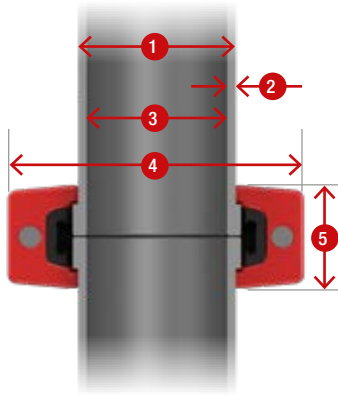
#16.03 SK 100 / 4.0" 85 BAR

#16.03 SK 100 / 4.0" 85 bar

Part name	Specifications	Length / angle	Operating pressure	Weight	Part number
Delivery pipe SK 100					
Delivery pipe	SK 100 / 4.0"	1 000 mm	85 bar	10.0 kg	001761005
Delivery pipe	SK 100 / 4.0"	2 000 mm	85 bar	18.1 kg	001762004
Delivery pipe	SK 100 / 4.0"	3 000 mm	85 bar	30.0 kg	001763003
Elbow SK 100					
Elbow	SK 100 / 4.0"	15°	130 bar	2.1 kg	026888002
Elbow	SK 100 / 4.0"	30°	130 bar	3.4 kg	021527009
Elbow	SK 100 / 4.0"	45°	130 bar	4.4 kg	018301005
Elbow	SK 100 / 4.0"	90°	130 bar	12.0 kg	086110008
Reducer pipe SK 100					
Reducer pipe	SK 100 / 4.0" – PXM 65 / 3.0"	1 000 mm	85 bar	11.4 kg	256247002
Reducer pipe	SK 100 / 4.0" – SK 65 / 3.0"	1 000 mm	85 bar	13.8 kg	057330008
Reducer pipe	SK 100 / 4.0" – SK 80 / 4.0"	1 000 mm	85 bar	14.7 kg	265428003



- | | |
|---------------------------------|----------|
| 1. Outside diameter | 108 mm |
| 2. Wall thickness | 3.6 mm |
| 3. Internal diameter | 100.8 mm |
| 4. Outside diameter of coupling | 228 mm |
| 5. Width of coupling | 38 mm |



- | | |
|---------------------------------|----------|
| 1. Outside diameter | 108 mm |
| 2. Wall thickness | 3.6 mm |
| 3. Internal diameter | 100.8 mm |
| 4. Outside diameter of coupling | 253 mm |
| 5. Width of coupling | 38 mm |

Stationary line

#16.04 SK 100 / 4.5" 85 BAR

#16.04 SK 100 / 4.5" 85 bar

Part name	Specifications	Length / angle	Operating pressure	Weight	Part number
Delivery pipe SK 100					
Delivery pipe	SK 100 / 4.5"	1 000 mm	85 bar	11.0 kg	056861002
Delivery pipe	SK 100 / 4.5"	2 000 mm	85 bar	20.1 kg	056862001
Delivery pipe	SK 100 / 4.5"	3 000 mm	85 bar	29.3 kg	056863000
Delivery pipe	SK 100 / 4.5"	6 000 mm	85 bar	57.1 kg	057601009
Elbow SK 100					
Elbow	SK 100 / 4.5"	15°	130 bar	3.7 kg	057595005
Elbow	SK 100 / 4.5"	30°	130 bar	5.4 kg	057595006
Elbow	SK 100 / 4.5"	45°	130 bar	6.0 kg	232172007
Elbow	SK 100 / 4.5"	90°	130 bar	11.8 kg	421329
Elbow, short	SK 100 / 4.5"	90° CLR*: 180 mm	130 bar	8.9 kg	431906
Large elbow SK 100 with R = 1000 mm					
Large elbow	SK 100 / 4.5"	45°	130 bar	18 kg	223669008
Large elbow	SK 100 / 4.5"	90°	130 bar	36 kg	223668009
Reducer pipe SK 100					
Reducer pipe	SK 100 / 4.5" – PXM 65 / 3.0"	1 000 mm	85 bar	11.6 kg	256246003
Reducer pipe	SK 100 / 4.5" – PXM 75 / 3.0"	1 000 mm	85 bar	12.4 kg	263389005
Reducer pipe	SK 100 / 4.5" – SK 65 / 3.0"	500 mm	85 bar	7.5 kg	050963003
Reducer pipe	SK 100 / 4.5" – SK 65 / 3.0"	1 000 mm	85 bar	13.8 kg	224269009
Reducer pipe	SK 100 / 4.5" – SK 65 / 3.0"	1 500 mm	85 bar	24.0 kg	427625
Reducer pipe	SK 100 / 4.5" – SK 75 / 3.0"	1 000 mm	85 bar	14.7 kg	416362
Reducer pipe	SK 100 / 4.5" – SK 80 / 3.0"	500 mm	85 bar	8.5 kg	410961
Reducer pipe	SK 100 / 4.5" – SK 80 / 3.0"	1 000 mm	85 bar	15.7 kg	259945000

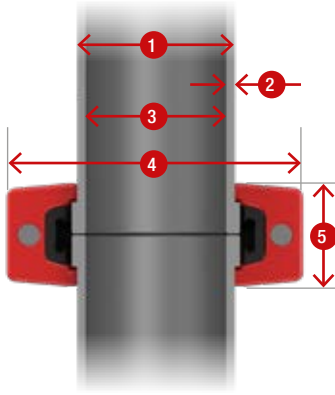
* Centre line radius

Stationary line

#16.05 SK 125 / 5.5" 85 BAR

#16.05 SK 125 / 5.5" 85 bar

Part name	Specifications	Length / angle	Operating pressure	Weight	Part number
Delivery pipe SK 125					
Delivery pipe	SK 125 / 5.5"	1 000 mm	85 bar	14.3 kg	056849008
Delivery pipe	SK 125 / 5.5"	2 000 mm	85 bar	27.1 kg	056850000
Delivery pipe	SK 125 / 5.5"	3 000 mm	85 bar	39.7 kg	056851009
Delivery pipe	SK 125 / 5.5"	6 000 mm	85 bar	77.8 kg	057602008
Elbow SK 125					
See below #16.06					
Large elbow SK 125 with R = 1000 mm					
See below #16.06					
Reducer pipe SK 125					
Reducer pipe	SK 125 / 5.5" – PXM 65 / 3.0"	1 000 mm	85 bar	16.0 kg	274367003
Reducer pipe	SK 125 / 5.5" – PXM 75 / 3.0"	2 000 mm	85 bar	27.0 kg	266450009
Reducer pipe	SK 125 / 5.5" – SK 65 / 3.0"	1 000 mm	85 bar	16.2 kg	258743009
Reducer pipe	SK 125 / 5.5" – SK 75 / 3.0"	1 000 mm	85 bar	16.0 kg	416363
Reducer pipe	SK 125 / 5.5" – SK 80 / 4.0"	1 000 mm	85 bar	19.5 kg	438467
Reducer pipe	SK 125 / 5.5" – SK 80 / 4.5"	500 mm	85 bar	18.0 kg	273864002
Reducer pipe	SK 125 / 5.5" – SK 80 / 4.5"	1 000 mm	85 bar	18.0 kg	266490001
Reducer pipe	SK 125 / 5.5" – SK100 / 4.0"	1 000 mm	85 bar	44.0 kg	022216005
Reducer pipe	SK 125 / 5.5" – SK 100 / 4.5"	200 mm	85 bar	4.0 kg	269015001
Reducer pipe	SK 125 / 5.5" – SK 100 / 4.5"	500 mm	85 bar	9.9 kg	057603007
Reducer pipe	SK 125 / 5.5" – SK 100 / 4.5"	1 000 mm	85 bar	18.0 kg	057604006
Reducer pipe	SK 125 / 5.5" – SK100 / 4.5"	2 500 mm	85 bar	18.3 kg	224031004
Reducer pipe	SK 125 / 5.5" – SK 117 / 5.5"	3 000 mm	85 bar	80.0 kg	467509



- | | |
|---------------------------------|----------|
| 1. Outside diameter | 139,7 mm |
| 2. Wall thickness | 7.1 mm |
| 3. Internal diameter | 125 mm |
| 4. Outside diameter of coupling | 273 mm |
| 5. Width of coupling | 50 mm |

Stationary line

#16.06 SK 125 / 5.5" 130 BAR

#16.06 SK 125 / 5.5" 130 bar

Part name	Specifications	Length / angle	Operating pressure	Weight	Part number
Delivery pipe SK 125					
Delivery pipe	SK 125 / 5.5"	1000 mm	130 bar	24.0 kg	274558003
Delivery pipe	SK 125 / 5.5"	2000 mm	130 bar	47.2 kg	274562002
Delivery pipe	SK 125 / 5.5"	3000 mm	130 bar	70.3 kg	274570007
Delivery pipe	SK 125 / 5.5"	6000 mm	130 bar	140.0 kg	279399005
Elbow SK 125					
Elbow	SK 125 / 5.5"	20°	130 bar	4.1 kg	245484009
Elbow	SK 125 / 5.5"	30°	130 bar	4.6 kg	258935008
Elbow	SK 125 / 5.5"	45°	130 bar	7.1 kg	057596004
Elbow	SK 125 / 5.5"	90°	130 bar	15.9 kg	261402007
Elbow, short	SK 125 / 5.5"	90° CLR*: 180 mm	130 bar	11.4 kg	422732
Large elbow SK 125 with R = 1000 mm					
Large elbow	SK 125 / 5.5"	15°	130 bar	14.0 kg	223667000
Large elbow	SK 125 / 5.5"	30°	130 bar	20.0 kg	223666001
Large elbow	SK 125 / 5.5"	45°	130 bar	24.5 kg	223665002
Large elbow	SK 125 / 5.5"	90°	130 bar	42.0 kg	223664003

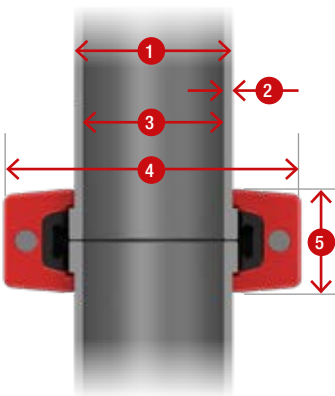
* Centre line radius

Stationary line

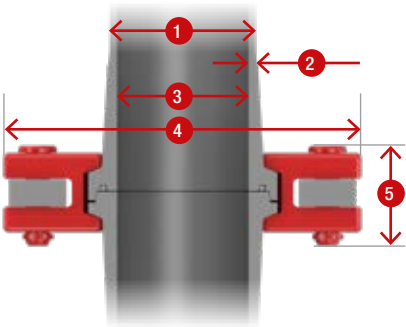
#16.07 SK 150 / 6.0" 85 BAR

#16.07 SK 150 / 6.0" 85 bar

Part name	Specifications	Length / angle	Operating pressure	Weight	Part number
Delivery pipe SK 150					
Delivery pipe	SK 150 / 6.0"	1 000 mm	85 bar	19.0 kg	021725005
Delivery pipe	SK 150 / 6.0"	2 000 mm	85 bar	38.0 kg	021729001
Delivery pipe	SK 150 / 6.0"	3 000 mm	85 bar	46.0 kg	021731002
Elbow SK 150					
Elbow	SK 150 / 6.0"	30°	84 bar	6.2 kg	057599001
Elbow	SK 150 / 6.0"	45°	85 bar	9.9 kg	021845008
Elbow	SK 150 / 6.0"	90°	86 bar	19.7 kg	263206007
Large elbow SK 150 with R = 1000 mm					
Large elbow	SK 150 / 6.0"	45°	130 bar	36.0 kg	057653002
Large elbow	SK 150 / 6.0"	90°	130 bar	58.0 kg	026851000
Reducer pipe SK 150					
Reducer pipe	SK 150 / 6.0" – SK 80 / 4.0"	1 500 mm	85 bar	29.0 kg	295314006
Reducer pipe	SK 150 / 6.0" – SK 100 / 4.0"	1 500 mm	85 bar	36.0 kg	081874006



- | | |
|---------------------------------|--------|
| 1. Outside diameter | 159 mm |
| 2. Wall thickness | 4.5 mm |
| 3. Internal diameter | 150 mm |
| 4. Outside diameter of coupling | 317 mm |
| 5. Width of coupling | 38 mm |



- | | |
|---------------------------------|----------|
| 1. Outside diameter | 139,7 mm |
| 2. Wall thickness | 7.1 mm |
| 3. Internal diameter | 125.5 mm |
| 4. Outside diameter of coupling | 280 mm |
| 5. Width of coupling | 50 mm |

Stationary line

#16.08 ZX 125 / 5.0" 130 BAR

#16.08 ZX 125 / 5.0" 130 bar

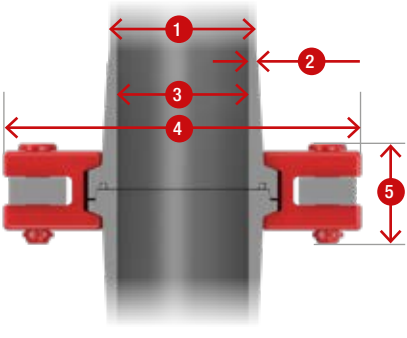
Part name	Specifications	Length / angle	Operating pressure	Weight	Part number
Delivery pipe ZX 125					
Delivery pipe	ZX 125 / 5.0"	500 mm	130 bar	14.0 kg	224032003
Delivery pipe	ZX 125 / 5.0"	1 000 mm	130 bar	26.0 kg	051801009
Delivery pipe	ZX 125 / 5.0"	2 000 mm	130 bar	48.0 kg	051802008
Delivery pipe	ZX 125 / 5.0"	3 000 mm	130 bar	69.0 kg	051803007
Delivery pipe	ZX 125 / 5.0"	6 000 mm	130 bar	140.0 kg	028860002
Elbow ZX 125					
Elbow	ZX 125 / 5.0"	15°	130 bar	7.7 kg	080966009
Elbow	ZX 125 / 5.0"	30°	130 bar	9.0 kg	057180009
Elbow	ZX 125 / 5.0"	45°	130 bar	10.0 kg	057181008
Elbow	ZX 125 / 5.0"	90°	130 bar	13.4 kg	051808002
Large elbow ZX 125 with R = 1000 mm					
Large elbow	ZX 125 / 5.0"	15°	130 bar	15.2 kg	057644008
Large elbow	ZX 125 / 5.0"	30°	130 bar	26.0 kg	057643009
Large elbow	ZX 125 / 5.0"	45°	130 bar	28.0 kg	057642000
Large elbow	ZX 125 / 5.0"	90°	130 bar	46.0 kg	051819004

Stationary line

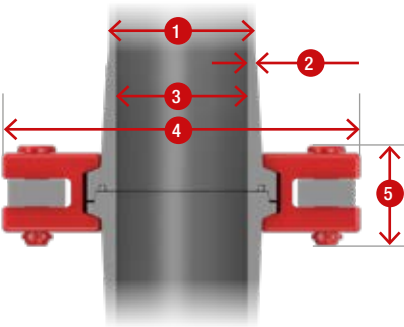
#16.09 ZX 125 / 5.5" 200 BAR

#16.09 ZX 125 / 5.5" 200 bar

Part name	Specifications	Length / angle	Operating pressure	Weight	Part number
Delivery pipe ZX 125					
Delivery pipe	ZX 125 / 5.5"	1 000 mm	200 bar	32 kg	265351002
Delivery pipe	ZX 125 / 5.5"	2 000 mm	200 bar	58 kg	265352001
Delivery pipe	ZX 125 / 5.5"	3 000 mm	200 bar	88 kg	265353000
Elbow ZX 125					
Elbow	ZX 125 / 5.5"	15°	200 bar	8.1 kg	265364002
Elbow	ZX 125 / 5.5"	30°	200 bar	10.7 kg	265365001
Elbow	ZX 125 / 5.5"	45°	200 bar	13.3 kg	265366000
Elbow	ZX 125 / 5.5"	90°	200 bar	21.0 kg	265367009
Large elbow ZX 125 with R = 1000 mm					
Large elbow	ZX 125 / 5.5"	30°	200 bar	26.0 kg	265369007
Large elbow	ZX 125 / 5.5"	45°	200 bar	32.5 kg	265370009
Large elbow	ZX 125 / 5.5"	90°	200 bar	59.6 kg	265371008



- | | |
|---------------------------------|----------|
| 1. Outside diameter | 139.7 mm |
| 2. Wall thickness | 8.8 mm |
| 3. Internal diameter | 122.1 mm |
| 4. Outside diameter of coupling | 300 mm |
| 5. Width of coupling | 52 mm |



- | | |
|---------------------------------|----------|
| 1. Outside diameter | 168,3 mm |
| 2. Wall thickness | 8,8 mm |
| 3. Internal diameter | 150,7 mm |
| 4. Outside diameter of coupling | 340 mm |
| 5. Width of coupling | 50 mm |

Stationary line

#16.10 ZX 150 / 6.0" 130 BAR

#16.10 ZX 150 / 6.0" 130 bar

Part name	Specifications	Length / angle	Operating pressure	Weight	Part number
Delivery pipe ZX 150					
Delivery pipe	ZX 150 / 6.0"	1 000 mm	130 bar	37.0 kg	243216004
Delivery pipe	ZX 150 / 6.0"	2 000 mm	130 bar	74.0 kg	243217003
Delivery pipe	ZX 150 / 6.0"	3 000 mm	130 bar	108.0 kg	243218002
Elbow ZX 150					
Elbow	ZX 150 / 6.0"	15°	130 bar	7.2 kg	244203003
Elbow	ZX 150 / 6.0"	30°	130 bar	9.7 kg	244202004
Elbow	ZX 150 / 6.0"	45°	130 bar	12.0 kg	244201005
Elbow	ZX 150 / 6.0"	90°	130 bar	17.2 kg	244200006
Large elbow ZX 150 with R = 1000 mm					
Large elbow	ZX 150 / 6.0"	30°	130 bar	33.0 kg	244209007
Large elbow	ZX 150 / 6.0"	45°	130 bar	43.0 kg	244208008
Large elbow	ZX 150 / 6.0"	90°	130 bar	70.0 kg	244207009
Reducer pipe ZX 150					
Reducer pipe	ZXV 150 / 6.0" – SK 125 / 5.5"	200 mm	85 bar	7.7 kg	432875
Reducer pipe	ZXV 150 / 6.0" – SK 125 / 5.5"	500 mm	85 bar	13 kg	400316
Reducer pipe	ZXV 150 / 6.0" – SK 125 / 5.5"	1 200 mm	85 bar	39.0 kg	277401005

PIPE CONNECTIONS

Putzmeister offers a comprehensive range of couplings, pipe connections and pipe clamps. We have the right solution for every requirement. Our tested quality guarantees a long life and reliable use.

#17



Lever coupling

Pipe connections

#17.01 COUPLING

#17.01 Coupling

Part name	Specification	Weight	Part number	Weight	Part number
Lever coupling		coupling	Mounting coupling		
Lever coupling	SK-H 3.0"; 85 bar	2.0 kg	417798	2.5 kg	437953
Lever coupling	SK-H 4.0"; 85 bar	3.0 kg	498678	3.6 kg	503772
Lever coupling	SK-H 4.5"; 85 bar	2.9 kg	431613	3.5 kg	457563
Lever coupling	SK-H 5.0"; 85 bar	4.3 kg	477744	6.3 kg	021493007
Lever coupling	SK-H 5.5"; 85 bar	3.7 kg	417249	4.9 kg	534296
Lever coupling	SK-H 5.5" with lubrication nipple; 85 bar	3.8 kg	424294	5.0 kg	611147
Lever coupling	SK-H 5.5"; 130 bar	6.1 kg	055469007	6.8 kg	239932004
Lever coupling	SK-H 6.0"; 130 bar	10.1 kg	544801	11.0 kg	477475
Spring pin	Ø 6 mm	-	018878001	-	-

Threaded coupling		coupling	Mounting coupling		
Threaded coupling	SK-S 5.5"; 85 bar	3.4 kg	426594	5.6 kg	430241
Threaded coupling	SK-S 6.0"; 130 bar	9.8 kg	026794002	10.3 kg	222068008
Threaded coupling	ZX-S 5.0"; 130 bar	4.4 kg	057329006	5.9 kg	501053
Threaded coupling	ZX-S 5.5"; 130 bar	6.5 kg	241586008	-	-
Threaded coupling	ZX-S 6.0"; 130 bar	7.8 kg	241291005	-	-
Threaded coupling	ZX-S 8.0"; 130 bar	14.4 kg	234471007	-	-

Eye-bolt and wedge coupling		Eye-bolt coupling ZX-K	Wedge coupling ZX-W		
Eye-bolt and wedge coupling	ZX-K 5.0"; 130 bar	5.5 kg	051342005	6.0 kg	581430
Eye-bolt and wedge coupling	ZX-K 5.5"; 130 bar	7.0 kg	244412001	7.8 kg	244419004
Eye-bolt and wedge coupling	ZX-K 6.0"; 130 bar	9.5 kg	241292004	10.5 kg	240948003

Special boom coupling		Mounting clamp coupling			
Lever coupling	SK-H 5.5"; 84 bar; aluminium	2.2 kg	285480005		
Mounting lever coupling	SK-H 5.5"; 85 bar; on right with cam lever	5.8 kg	410678		
Mounting lever coupling	SK-H 5.5"; 85 bar; without base plate	4.0 kg	524948		
Mounting lever coupling	SK-H 5.5"; 85 bar; with base plate, four bores	6.1 kg	534295		
Mounting lever coupling	SK-H 5.5"; 85 bar; without base plate, with lubrication nipple	4.0 kg	561711		
Threaded coupling	SK-S 5.5"; 85 bar; threaded coupling for EQV	3.5 kg	501993		



Threaded coupling



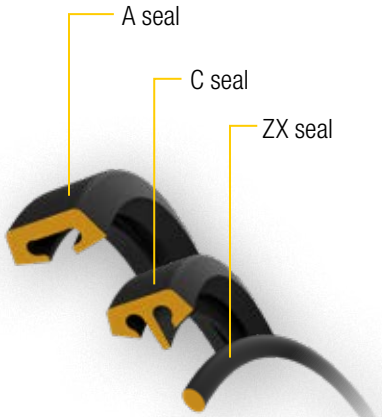
Eye-bolt coupling

Pipe connections

#17.02 GASKET

#17.02 Dichtung

Part name	Specification	Weight	Part number	Weight	Part number
Gasket for SK coupling		A seal	C seal		
Gasket for SK coupling	3.0"	0.07 kg	064084004	-	-
Gasket for SK coupling	4.0"	0.10 kg	001769007	0.11 kg	051517005
Gasket for SK coupling	4.5"	0.14 kg	057341000	0.15 kg	081668005
Gasket for SK coupling	5.0"	0.17 kg	026600002	0.22 kg	051601005
Gasket for SK coupling	5.5"	0.18 kg	055559001	0.20 kg	081669004
		Insert	457717		
Gasket for SK coupling	6.0"	0.24 kg	002231000	0.23 kg	051602004
Gasket for ZX coupling					
Gasket for ZX coupling	5.0"	-	-	0.01 kg	041323005
Gasket for ZX coupling	5.5"	-	-	0.05 kg	267277003
Gasket for ZX coupling	6.0"	-	-	0.03 kg	069042009



A seal

C seal

ZX seal

Pipe connections

#17.03 WELD-ON RING

#17.03 Weld-on ring

Part name	Specification	Weight	Part number
Weld-on ring SK			
Weld-on ring	SK 50 / 3.0"; 35 mm	1.09 kg	058684009
Weld-on ring	SK 65 / 3.0"; 35 mm	0.76 kg	057712008
Weld-on ring	SK 100 / 4.0"; 35 mm	0.57 kg	018253001
Weld-on ring	SK 100 / 4.5"; 35 mm	1.06 kg	056795000
Weld-on ring	SK 125 / 5.5"; 35 mm	1.18 kg	056852008
Weld-on ring	SK 125 / 5.5" for 2,5/2 mm and 2/2 mm; 40 mm	1.55 kg	602165
Weld-on ring	SK 125 / 5.5" for 5/3,2 mm; 40 mm	1.65 kg	602168
Weld-on ring	SK 150 / 6.0"; 52 mm	1.76 kg	021701003
Weld-on ring ZX		Male part ZXV	Female part ZXM
Weld-on ring	ZX 80 / 3.0"; 30 mm / ZXM 30 mm	0.75 kg 086895006	0.75 kg 086894007
Weld-on ring	ZX 100 / 5.0"; 17 mm / ZXM 23 mm	1.52 kg 058035001	1.7 kg 058037009
Weld-on ring	ZX 125 / 5.0"; 17 mm / ZXM 23 mm	0.83 kg 051461009	1.1 kg 407038
Weld-on ring	ZX 125 / 5.5"; 50 mm / ZXM 50 mm	2.40 kg 267833007	2.6 kg 267832008
Weld-on ring	ZX 150 / 6.0"; 35 mm / ZXM 40 mm	2.08 kg 244008004	2.5 kg 244028000
Weld-on ring	ZX 200 / 8.0"; 60 mm	4.16 kg 234168006	3.9 kg 234167007



Weld-on ring SK



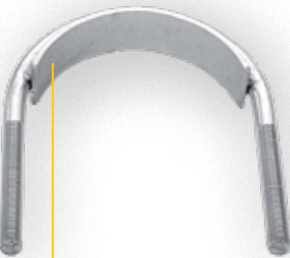
Weld-on ring ZX

Pipe connections

#17.04 PIPE CLAMP

#17.04 Pipe clamp

Part name	Specification	Weight	Part number
Pipe bracket			
Pipe bracket for DN 125	155,5 mm (height: 190 mm)	0.86 kg	222709008
Pipe bracket for DN 125	155,5 mm (height: 210 mm)	0.92 kg	401954
Pipe bracket for DN 125	166,5 mm (height: 198 mm)	0.94 kg	225216006
Pipe bracket for DN 125	165,0 mm (height: 240 mm)	1.06 kg	466770
Pipe support			
Pipe support	Pipe backing piece for pipes DN 100	0.85 kg	021880005
Pipe support	Pipe backing piece for pipes DN 120/125	1.06 kg	028627009
Rubber sleeve with steel insert for pipe mounting			
Rubber sleeve	Sleeve for pipes DN 120/125	1.14 kg	277100005



Pipe bracket



Pipe support

DELIVERY HOSE

Putzmeister hoses have the perfect properties for pumping operations with concrete, mortar and other abrasive media. A high abrasion resistance, hardened hose nozzles and a seamless transition between hose fitting and hose guarantee a long life. As an alternative to the steel wire inserts, Putzmeister also offers concrete delivery hoses with a textile body, which saves up to 20% of the weight – helpful when handling and loading the machine. A comprehensive range of accessories rounds off the portfolio.

#18

Delivery hose

#18.01 DELIVERY HOSE

#18.01 Delivery hose

Part name	Specification	Weight	Part number	Weight	Part number
System SK		Standard hose		Textile hose	
SK 50 / 3.0"	4 000 mm	21.8 kg	481170	-	-
	5 000 mm	25 kg	481171	16.4 kg	580567
	10 000 mm	36 kg	481172	27.8 kg	580570
SK 65 / 3.0"	4 000 mm	22.5 kg	267543009	15.6 kg	625195
	5 000 mm	25 kg	535521	18.7 kg	580468
	10 000 mm	42.8 kg	059170004	32.3 kg	580467
SK 75 / 3.0"	3 000 mm	17.8 kg	519067	-	-
	4 000 mm	21.5 kg	521582	17.7 kg	625197
	5 000 mm	32 kg	289261000	22.7 kg	580469
SK 80 / 4.0"	4 000 mm	31 kg	295886000	-	-
	5 000 mm	35 kg	058123007	-	-
	6 000 mm	43.8 kg	498705	-	-
SK 80 / 4.5"	4 000 mm	32.4 kg	519070	26 kg	720915
	5 000 mm	36.5 kg	267276004	28 kg	720916
	6 000 mm	46 kg	536084	-	-
SK 100 / 4.0"	3 000 mm	35.5 kg	519086	-	-
	4 000 mm	39 kg	089624009	32.5 kg	675122
	5 000 mm	47 kg	001755008	35 kg	675124
SK 100 / 4.5"	3 000 mm	37 kg	253319001	29 kg	675109
	4 000 mm	42 kg	083389007	34.2 kg	675111
	5 000 mm	50 kg	057609001	41 kg	675113
SK 125 / 5.5"	1 000 mm	19 kg	519090	-	-
	3 000 mm	43 kg	433497	31.6 kg	675118
	4 000 mm	52 kg	089983009	41.3 kg	675119
	5 000 mm	60 kg	057612001	52.2 kg	675120
System PX		Standard hose			
PX 65 / 3.0"	4 000 mm	18 kg	416647	-	-
	5 000 mm	28 kg	253868002	-	-
PX 75 / 3.0"	4 000 mm	26 kg	285293001	-	-
	5 000 mm	20 kg	262936006	-	-

COLOUR OF QUALITY – PUTZMEISTER DELIVERY AND END HOSES

The yellows
Standard hose

The blues
Textile hose
(approx. 20% lighter)



Delivery hose



ADVANTAGES

- # Smooth, extremely abrasion-resistant inner layer made from natural rubber
- # Black, highly abrasion-resistant, finely fabric-textured outer layer
- # Ozone-, weather- and UV-resistant
- # Vacuum-resistant for the reverse pumping of the sponge ball for cleaning
- # Temperature-resistant from -40 °C to +90 °C
- # Operating pressure: 85 bar, minimum burst pressure: 170 bar
- # Inlays made from highly tear- and breakage-resistant steel wire or tear-resistant textile yarn
- # Available systems: SK, PX, ZX, DIN
- # Available lengths: 1–40 m

Delivery hose

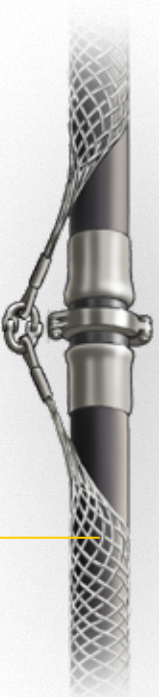
#18.02 HOSE SAFETY SLEEVES

The high level of strain and continuous wear can cause suspended delivery hoses to suddenly tear off at the press-in connection and therefore pose a danger. Hose safety sleeves made from flexible steel mesh hold the hose securely and are easy to fit.

#18.02 Hose safety sleeves

Part name	Specifications	Part number
Hose safety sleeve		
Hose safety sleeve	for delivery hose DN 65	459442
Hose safety sleeve	for delivery hose DN 100	459443
Hose safety sleeve	for delivery hose DN 125	459447
Hose safety sleeve	for delivery hose DN 150	459449

Hose safety sleeve



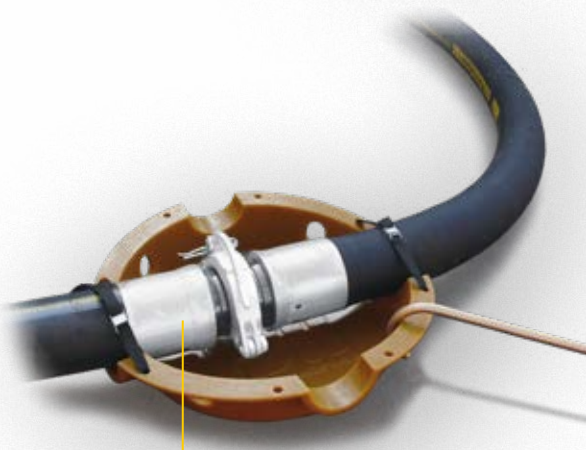
#18.03 HOSE CADDY

The hose caddy has proven to be an extremely useful aid by preventing the hose couplings from getting caught in reinforcing bars. It fits all delivery hose sizes, is robust and impact-resistant and is quick and easy to lay thanks to its low weight.

#18.03 Hose caddy

Part name	Specifications	Part number
Hose caddy		
Hose caddy	complete with draw hook and lashing strap	482464
Hose caddy	without draw hook or lashing strap	477996
Draw hook	for hose caddy 900 x 20	501889
Lashing strap	for hose caddy 900 x 20	482400

Hose caddy



END HOSE

Putzmeister offers numerous variations and a comprehensive range of accessories for the end hose at the end of the placing boom. The end hoses consist of the same materials as the delivery hoses. The lighter textile hose is ideal here for a longer length. A comprehensive range of accessories rounds off the portfolio.

#19

End hose #19.01 END HOSE

#19.01 End hose

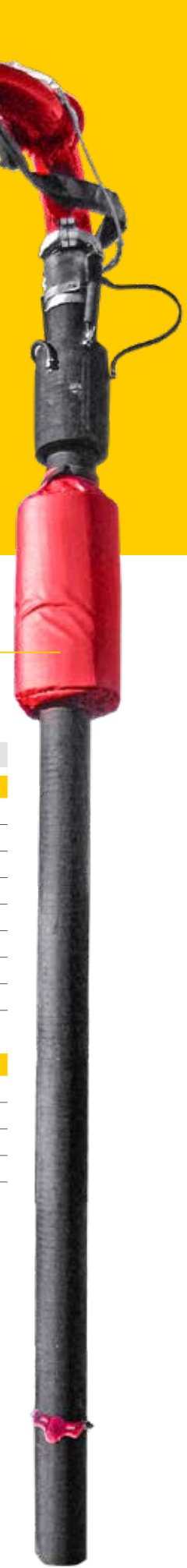
Part name	Specification	Weight	Part number
End hose			
SK 50 / 3.0"	1 000 mm	4.9 kg	675831
	4 000 mm	14.8 kg	292072008
	6 000 mm	24.1 kg	292067000
SK 65 / 3.0"	4 000 mm	22 kg	267544008
	6 000 mm	34.6 kg	292066001
	15 000 mm	61 kg	671347
SK 80 / 4.5"	4 000 mm	29.4 kg	292069008
	6 000 mm	44 kg	292068009
SK 100 / 4.5"	3 000 mm	28 kg	233647007
	4 000 mm	35 kg	244014001
	5 000 mm	43 kg	250032006
	6 000 mm	50 kg	535460
	11 200 mm	105 kg	671347
SK 112 / 5.5"	4 000 mm	35.2 kg	651045
SK 125 / 5.5"	2 000 mm	25 kg	401041
	2 500 mm	31 kg	472818
	3 000 mm	40 kg	233649005
	4 000 mm	48.2 kg	242838001
	5 000 mm	61 kg	239129008

End hose #19.02 REDUCING END HOSE

#19.02 Reducing end hose

Part name	Specification	Weight	Part number
Reducing end hose			
SK 125 / 5.5" to SK 100 / 4.5"	3 000 mm reduction via spout	29 kg	533627
SK 125 / 5.5" to SK 100 / 4.5"	4 000 mm reduction via spout	33.5 kg	533628
SK 125 / 5.5" to SK 75 / 4.5"	3 400 mm reduction via conical hose	40 kg	555574

Protective sleeve



End hose #19.03 END HOSE SH

End hose SH (Steady Hose) features a special reinforcing fabric, which significantly reduces lateral deflections and overshooting and makes work safer.

#19.03 End hose SH			
Part name	Specification	Weight	Part number
End hose SH			
SK 100 / 4.5"	3 000 mm	25.5 kg	480548
	4 000 mm	34 kg	476899
SK 125 / 5.5"	2 000 mm	26 kg	589666
	2 500 mm	31 kg	589668
	3 000 mm	34 kg	480550
	4 000 mm	37.4 kg	480549

End hose #19.05 CONCRETE BRAKE

#19.05 Concrete brake		
Part name	Specification	Part number
Concrete brake		
Concrete brake Excalibur	for end hose DN 100	556644
Concrete brake Excalibur	for end hose DN 125	534416



Excalibur concrete brake

End hose #19.06 END HOSE SQUEEZE VALVE

The pneumatically actuated EQV squeeze valve closes tightly in order to prevent concrete from escaping. To minimise the risk of injury, it comes without metal parts but is still robust.

#19.06 End hose squeeze valve		
Part name	Specification	Part number
Squeeze valve EQV		
End hose squeeze valve EQV	for end hose DN 100 and DN 125 with rubber sleeve	609776
Squeeze valve control unit	24 V	454666



Squeeze valve EQV

End hose #19.07 GUARDS

On dual-section end hoses, the plastic protective bell and the sleeve cover the coupling, thereby preventing injuries.

#19.07 Guards		
Part name	Specification	Part number
Guard		
Protective sleeve with Velcro fastener	Ø 100/125 x 500 mm made from fabric, red	534353
End hose pouch, Hoodie	-	687087



End hose pouch, Hoodie

GATE VALVES AND TRANSFER TUBES

Putzmeister gate valve systems are robust, pressure-resistant and leak-tight. The sealing function is performed by hardened seal rings, which are pressed against the moving, wear-resistant gate valve strut. With the exception of the manual gate valve for max. 20 bar, the housings are sealed with O-rings. Some hydraulic gate valves and transfer tubes perform an optional electrical end position detection for more convenient actuation and transmit the gate valve position to the remote control, for example. Other sizes with an operating pressure of up to 250 bar and other shut-off and distribution systems (e.g. S transfer tube and rotor distributor) are available on request.

#20



Manual-hydraulic gate valve

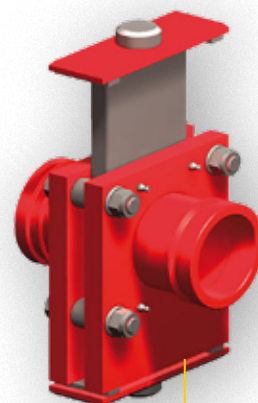
Gate valves and transfer tubes

#20.01 GATE VALVE

Manual and manual-hydraulic gate valves permanently and tightly block a delivery line without an external power supply, either purely manually with the application of force or by means of manual actuation with hydraulic support. Hydraulic gate valves are powered by a trailer concrete pump with S transfer tube or a different hydraulic power pack, for example.

#20.01 Gate valve

Part name	Specification	Weight	Part number
Manual gate valves			
GVM 2/2	SK 125 / 5.5"; 20 bar	14 kg	224301006
GVM 2/2	SK 125 / 5.5"; 130 bar	60 kg	413087
GVM 2/2	ZX 125 / 5.0"; 20 bar	15 kg	261988000
GVM 2/2	ZX 125 / 5.0"; 130 bar	60 kg	401928
Manual-hydraulic gate valves			
GVHM 2/2	SK 125 / 5.5"; 130 bar	92 kg	524087
GVHM 2/2	ZX 125 / 5.0"; 130 bar	92 kg	506414
GVHM 2/2	ZX 125 / 5.5"; 130 bar	92 kg	524120
Hydraulic gate valves			
GVH 2/2	SK 125 / 5.5"; 130 bar	227 kg	435091
GVH 2/2	ZX 125 / 5.0"; 130 bar	230 kg	406682
GVH 2/2 with electrical end position detection	ZX 125 / 5.0"; 130 bar	239 kg	406681
GVH 2/2	ZX 125 / 5.5"; 200 bar	245 kg	442030



Manual gate valve

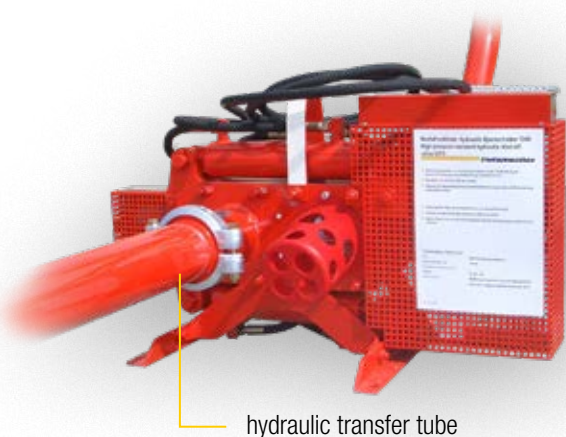
Gate valves and transfer tubes

#20.02 TRANSFER TUBE

Hydraulic transfer tubes enable a quick changeover to other lines.

#20.02 Transfer tube

Part name	Specification	Weight	Part number
Hydraulic transfer tubes			
DVH 5/2	SK 125 / 5.5"; 130 bar	210 kg	024639004
DVH 5/2 with electrical end position detection	SK 125 / 5.5"; 130 bar	220 kg	223391004
DVH 5/2	ZX 125 / 5.0"; 130 bar	300 kg	246985002
DVH 5/2 with electrical end position detection	ZX 125 / 5.0"; 130 bar	310 kg	279816009
DVH 5/2	ZX 125 / 5.5"; 200 bar	424 kg	255983008



hydraulic transfer tube

MANUAL ROTARY DISTRIBUTORS

The use of compact, hand-held rotary distributors has proven extremely effective for the occasional concreting of large surfaces and floors. They are easy to transport, quick to position and connect with a construction crane and precise and convenient to operate. Depending on the model, areas of up to 700 m³ can be concreted and surfaces of up to 4 m higher can be reached. And all this with the familiar Putzmeister quality: robust, practical, with minimal wear and maintenance.

#21



RV 0 rotary distributor

Manual rotary distributors

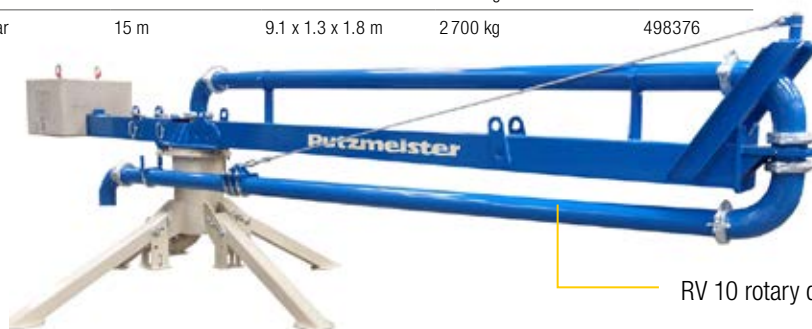
#21.01 ROTARY DISTRIBUTOR

The Rotary distributors RV 0 and RV 7 are particularly suitable for small, narrow construction sites. Thanks to their clear dimensions and low weight, they can be mounted on larger truck-mounted concrete pumps. The larger models have been designed for more complex concreting tasks and can also be easily transported to the construction site by truck or trailer.

#21.01 Rotary distributor

Part name	Delivery line*	Operating pressure	Reach	Transport dimensions	Net weight with ballast	Part number
Rotary distributor						
Rotary distributor RV 0	SK 125 / 5.5"	85 bar	-	0.8 x 0.5 m	68 kg	500570
Rotary distributor RV 7	SK 125 / 5.5"	85 bar	6.6 m	4.2 x 0.6 x 0.8 m	840 kg	455597
Rotary distributor RV 10	SK 125 / 5.5"	85 bar	10 m	7.1 x 1.0 x 1.8 m	1 020 kg	426078
Rotary distributor RV 12 Lift	SK 125 / 5.5"	85 bar	11.1 m / height: 4 m	9.1 x 1.3 x 1.8 m	2 600 kg	522819
Rotary distributor RV 13	SK 125 / 5.5"	85 bar	13 m	9.1 x 1.3 x 1.8 m	2 560 kg	467517
Rotary distributor RV 15	SK 100 / 4.5"	85 bar	15 m	9.1 x 1.3 x 1.8 m	2 700 kg	498376

* Other sizes also available



RV 10 rotary distributor

HYDRAULIC DISTRIBUTORS AND PLACING BOOMS

For more complex tasks that cannot be performed by truck-mounted concrete pumps, Putzmeister offers further comprehensive solutions, from hydraulic rotary distributors through to an extensive, modular range of MX stationary booms, based on the Putzmeister RS-850 tubular columns system. Your sales partner will be happy to offer further support.



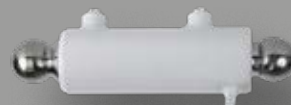
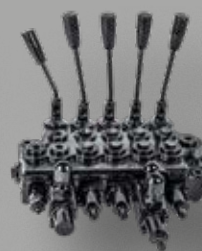
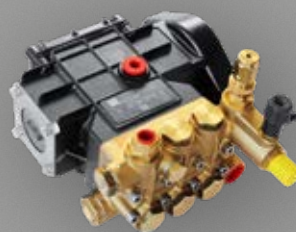
Rotary distributor RV 12 Lift

Original spare parts from Putzmeister

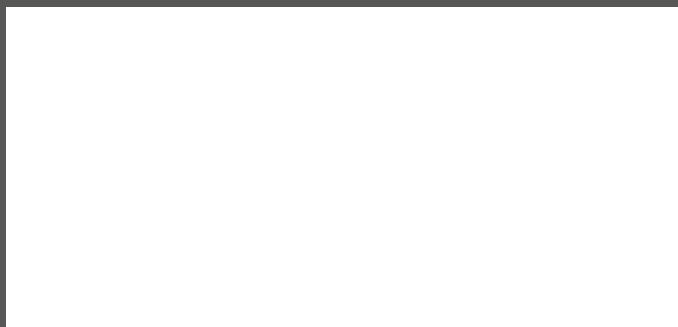
PUTZMEISTER WEBSHOP

**FURTHER ORIGINAL PARTS,
DELIVERY LINES AND ACCESSORIES
CAN BE FOUND IN OUR
PUTZMEISTER WEBSHOP**

To the Putzmeister webshop >>



Distributed by:



 **Putzmeister**

Putzmeister Concrete Pumps GmbH

Max-Eyth-Straße 10 · 72631 Aichtal, Germany

Postfach 2152 · 72629 Aichtal, Germany

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

pmw@putzmeister.com · www.putzmeister.com