

**CP 1800 D**  
**CP 2800 D**  
Crawler concrete pump



Concrete output	max.	112 m <sup>3</sup> /hr
Pressure on concrete	max.	108 bar
Engine output		115 - 168 kW
Machine weight		6,600 - 7,800 kg
		14,500 - 17,200 lb



RECORD BREAKING ENGINEERING

# The crawler concrete pumps from SCHWING

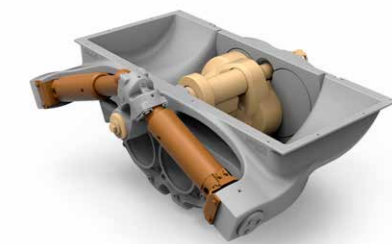
## Mobile power

CP 1800 D / CP 2800 D Crawler concrete pump

The CP 1800 D and CP 2800 D crawler concrete pumps together with a rotary drilling rig form an efficient team for the production of bored piles for buildings, bridges and other civil engineering structures. With the stable crawler chassis, SCHWING track-guided concrete pumps are mobile even in rough terrain and can therefore be used in an extremely flexible manner. The high pumping capacity ensures rapid construction progress, while the high in-house production share of the CP 1800 D and CP 2800 D and the use of high-quality components ensure excellent reliability.



**Cooling system**  
The heat development in the open hydraulic system of the CP 1800 D and the CP 2800 D is significantly lower than in closed systems. In connection with the large-volume hydraulic tank and the high-powered cooling system, the output rate of the CP 1800 D and the CP 2800 D thus remains constantly high even in the case of extreme external temperatures.

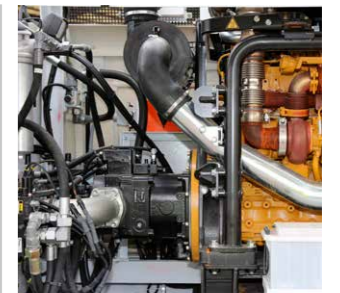


**ROCK concrete valve**  
In comparison with other concrete valves, the ROCK shows significantly lower wear due to its intelligent design. It is also quick to clean and is demonstrably easier to maintain. Advantage for the CP 1800 D / CP 2800 D: shorter servicing times, higher availability and lower maintenance costs.



CP 2800 D Stage IV/Tier 4f  
(CP = Crawler pump)

**Maintenance**  
The easy accessibility of the most important maintenance points of the CP 1800 D / CP 2800 D reduces the time needed for daily maintenance to a minimum. The AdBlue/DEF container can be swiveled to the side for quick change of the pistons (CP 1800 D with Stage IV/Tier 4; CP 2800 D with Stage V/Tier 4). Instead of fixed changing intervals, the hydraulic oil is changed based on the results of the oil analysis to be carried out by the owner. This reduces the maintenance costs and protects the environment.



**Motors for every need**  
Due to its reliability and energy efficiency, the available drives of the CP 1800 D and the CP 2800 D ensure high productivity and low operating costs.

**Diesel engines for CP 1800 D**

- 115 kW power, Stage II/Tier 2, exhaust emission standard
- 126 kW power, Stage IIIA/Tier 3 exhaust emission standard
- 129 kW power, Stage IV/Tier 4f exhaust emission standard, diesel particulate filter and SCR system

**Diesel engines for CP 2800 D**

- 132 kW power, Stage II/Tier 2 exhaust emission standard
- 147 kW power, Stage IIIA/Tier 3 exhaust emission standard
- 168 kW power, Stage V/Tier 4f exhaust emission standard, diesel particulate filter and SCR system

**Crawler chassis**  
With its robust and powerful crawler tracked chassis, the CP 1800 D / CP 2800 D moves safely and quickly to its place of use even in rough terrain. The machine's low centre of gravity and compact dimensions ensure high stability and excellent manoeuvrability.



**Operation**  
The clear operating structure and large-format colour display of the machine control allow for easy and intuitive operation of the CP 1800 D / CP 2800 D. Machine data, operating modes and selected settings can be retrieved quickly and various parameters can be changed. The integrated diagnosis system supports safe operation and alerts the operator to the maintenance intervals.



**Hydraulic system**  
Key hydraulic components of the CP 1800 D / CP 2800 D, such as the valve block and the differential cylinders, are developed and manufactured by SCHWING. Their generous dimensions and the open SCHWING hydraulic system guarantee a low-loss conversion of the engine power into the output rate. Result: the renowned high energy efficiency of SCHWING concrete pumps.



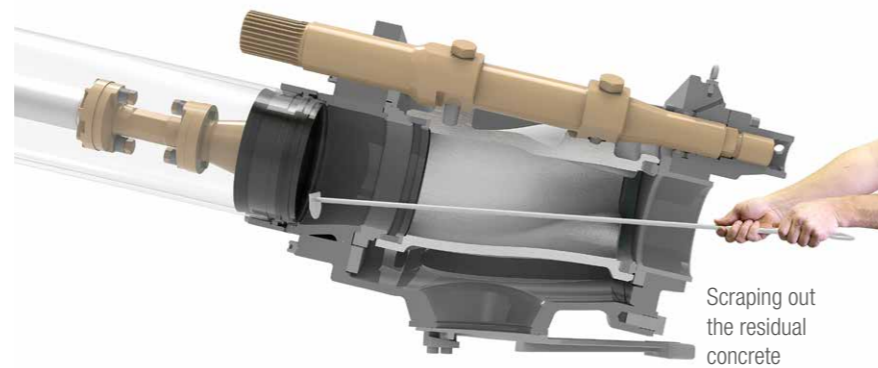
MADE IN GERMANY  
by SCHWING-Stetter

## CP 1800 D / CP 2800 D Crawler concrete pump

# The ROCK

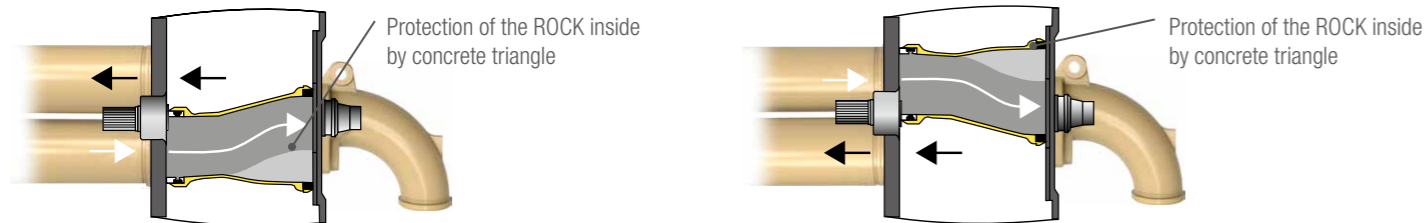
### Faster clean with less water.

Due to its straight design, in comparison to other concrete valves, the ROCK valve is easier and quicker to clean. It also provides a direct view into the delivery cylinder and of the pumping pistons. The pump kit can therefore be cleaned easily and conveniently within just two strokes. This saves water and reduces the time needed for cleaning.



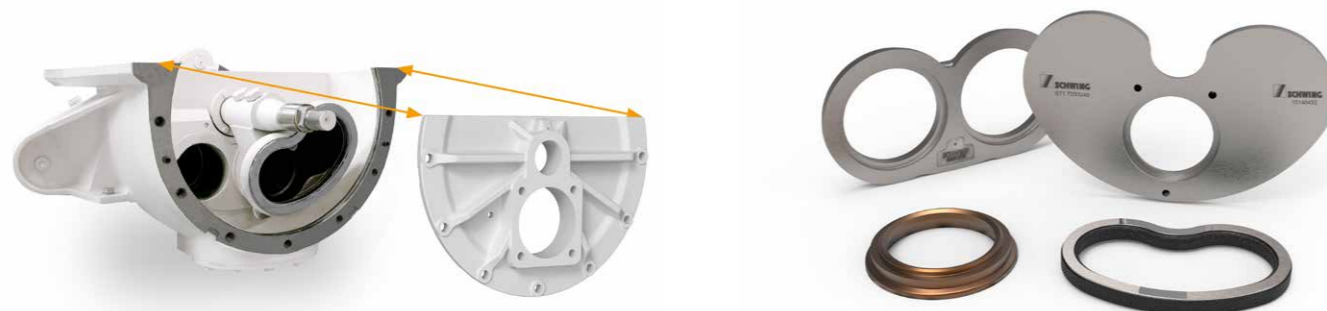
### Intelligent wear protection.

The wear in the concrete valve is particularly high as the concrete is fed into the outlet at high pressure. In order to minimize this wear, at the most heavily loaded point of the ROCK concrete does not rub on steel, but rather on concrete. This is because the intelligent design of the ROCK leads to the formation of a concrete triangle after each shift. Protected by this concrete layer, the ROCK has a significantly longer service life than other concrete valves. For noticeably more profit per m<sup>3</sup>.



### Easy maintenance.

The ROCK valve not only has a significantly longer service life than other concrete valves, it is also easier to maintain. After removing the housing cover, the wear parts are easily accessible and can be replaced quickly and safely. Time-consuming adjustment work is not required after replacement. And the number of wearing parts at 15 with the ROCK valve is just half as high as with other concrete valves. The maintenance of the ROCK valve: simple, fast and safe.



# Options

### Water tank



The large water tank for the CP 1800 D and the CP 2800 D has a volume of 450 litres and allows the machine and hoses to be thoroughly cleaned after completion of concrete paving.

### Water pump



Once the concreting work is finished, the water pump facilitates cleaning of the CP 1800 D / CP 2800 D with up to 80 l/min and up to 20 bar of water pressure.

### Compressor



With the powerful compressor, delivery lines can be blown out with an air pressure of up to 13 bar or, for example, the coolers of the CP 1800 D / CP 2800 D can be cleaned.

### Remote controls



Cable remote control with 30 m cable

Radio remote control

### More options

Concrete vibrator on the grid

Rubber tracks (only for CP 1800 D)

Carbide wear parts

Rubberised track pads (on steel chain)

### Standard equipment

Electrically driven ventilator

Emergency-off button at the hopper

Four lashing eyes at the bottom

Batteries with 170 Ah

Four attachment points at the top

Supporting leg

Central greasing strip at the hopper

Pressure gauge for hydraulic pressure

## CP 1800 D / CP 2800 D Crawler concrete pump

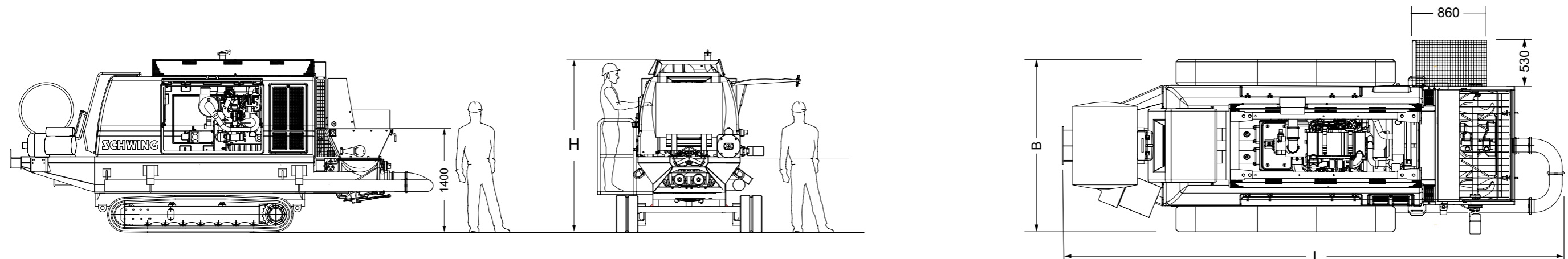
# Technical Data

Designation		CP 1800 D Stage II/Tier 2		CP 1800 D Stage IIIA/Tier 3		CP 1800 D Stage IV/Tier 4f		CP 1800 D Stage V/Tier 4f	
Weight	kg	6,900		6,800		6,900		6,900	
Length (L)	mm	5,800		5,800		5,800		5,800	
Height (H)	mm	2,600		2,600		2,360		2,360	
Width (B)	mm	2,100		2,100		2,100		2,100	
<b>Performance</b>		rod-sided	piston-sided	rod-sided	piston-sided	rod-sided	piston-sided	rod-sided	piston-sided
Pump kit		P1620		P1620		P1620		P1620	
Delivery cylinders	mm	200 x 1,600		200 x 1,600		200 x 1,600		200 x 1,600	
Concrete output max.	m <sup>3</sup> /h	84	48	84	48	80	46	80	46
Pressure on concrete max.	bar	60	108	60	108	60	108	60	108
Stroke rate max.	1/min.	28	16	28	16	27	15	27	15
Concrete valve		L-ROCK		L-ROCK		L-ROCK		L-ROCK	
<b>Hydraulic system</b>									
Design		open system		open system					
Hydraulic tank	l	400		400					
<b>Motors</b>									
Engine type		Diesel Deutz BF4M1013EC		Diesel Deutz TCD2013 L04		Diesel CAT C4.4		Diesel CAT C4.4	
Engine power	kW	115		126		129		129	
Emission standard		Stage II/Tier 2		Stage IIIA/Tier 3		Stage IV/Tier 4f		Stage V/Tier 4f	
Emission control system		-		-		DPF + SCR		DPF + SCR	
Fuel tank	l	250		250		250		250	

Designation		CP 2800 D Stage II/Tier 2		CP 2800 D Stage IIIA/Tier 3		CP 2800 D Stage V/Tier 4f	
Weight	kg	6,900		6,900		7,600	
Length (L)	mm	5,800		5,800		5,800	
Height (H)	mm	2,750		2,640		2,640	
Width (B)	mm	2,100		2,100		2,100	
<b>Performance</b>		rod-sided	piston-sided	rod-sided	piston-sided	rod-sided	piston-sided
Pump kit		P1620		P1620		P1620	
Delivery cylinders	mm	200 x 1,600		200 x 1,600		200 x 1,600	
Concrete output max.	m <sup>3</sup> /h	112	64	112	64	112	64
Pressure on concrete max.	bar	60	108	60	108	60	108
Stroke rate max.	1/min.	37	21	37	21	37	21
Concrete valve		L-ROCK		L-ROCK		L-ROCK	
<b>Hydraulic system</b>							
Design				open system			
Hydraulic tank	l			400			
<b>Motors</b>							
Engine type		Diesel Deutz BF6L914C		Diesel Deutz TCD2012 L06		Diesel CAT C7.1	
Engine power	kW	132		147		168	
Emission standard		Stage II/Tier 2		Stage IIIA/Tier 3		Stage V/Tier 4f	
Emission control system		-		-		DPF + SCR	
Fuel tank	l	250		250		250	

Maximum concrete output and maximum pressure on concrete cannot be achieved simultaneously. DPF: Diesel particulate filter; SCR: selective catalytic reduction. Performance specifications are maximum theoretical values.

### Dimensions CP 1800 D / CP 2800 D





SCHWING crawler concrete pumps.  
Mobile power and reliability.



**SCHWING**  
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