SCHWING Stetter

S 56 SXF

Truck-mounted concrete pump

MADE IN GERMANY
by SCHWING-Stetter

Vertical reach		55.20 m
Concrete output	max.	162 m³/h
Pressure on concrete	max.	85 bar
Operating weight		45 t (8 × 4)

engineering future.

The S 56 SXF from SCHWING

The new standard in the 50-metre class

With an extended reach height and lower weight, the new S 56 SXF uncompromisingly follows the modern SCHWING philosophy: 5-section Roll 'n Fold boom, 5-inch pipeline with standard elbows and full subframe. Patented fold-out outriggers allow for multiple chassis configurations to fill customers' needs and meet local road restrictions.

The new S 56 SXF from SCHWING – high-quality and reliability – made in Germany.

The S 56 SXF from SCHWING

Advantages and benefits at a glance

Pump kit
The SXF outriggers by SCHWING allow the longstroke pump kit P2525 with 2.50 m long pumping cylinders to be used in this class of machine. Advantages: even smoother operation and 15 % less strokes than other pump kits available in this class.

Open hydraulic system
The open hydraulic system of the S 56 SXF converts the engine power efficiently into pump power. Thus, typical output rates can be achieved with a fuel-saving engine speed of just over 1,000 rpm.

SXF outrigger
The S 56 SXF is the only machine in its class that does not require a multiple telescopic outrigger. This is because the SXF support developed by SCHWING combines the proven, one-piece SX support with a folding support leg. The advantages over multiple telescopic supports: reduced maintenance, increased stability and more peace of mind when pumping. The protected piston rod provides optimum protection against damage.

Boom
Thanks to the easy to operate roll-folding system and large opening angles of the boom stages 4 (185°) and 5 (210°), the S 56 SXF is extremely flexible and safe during operation. Further benefits are the low unfolding height of just 11.50 m and large slewing range of 2 × 365°. To increase safety when pumping and to minimise the danger of blockages, only standard elbows with a large radius of 275 mm are used with the boom pipes of the S 56 SXF.

Concrete valve
Thanks to its intelligent design, the ROCK valve suffers significantly less wear and tear than other concrete valves. It is also quick to clean and is demonstrably easier to maintain. The advantages for the S 56 SXF: shorter servicing times, higher machine uptime and lower maintenance costs.

Supply control
The water tank can be filled and emptied via the standardised supply control unit. As well: water pump, agitator, spray hose, high-pressure cleaner and compressor can also be controlled from here – the standard for all SCHWING truck-mounted concrete pumps for greater clarity and ease of operation.

Remote control SC 30
The light weight, easy to use and comfortable SC 30 helps minimise fatigue, allowing the operator to focus on the job for extended periods. The powerful batteries guarantee an operating time of at least 8 hours.

Modern colour display: VECTOR II control System
Via the new intuitive VECTOR II control system, the operator can call up the machine data, operating statuses and selected settings of the S 56 SXF and change various parameters. The integrated diagnostic system ensures safe operation and alerts the operator to maintenance intervals.

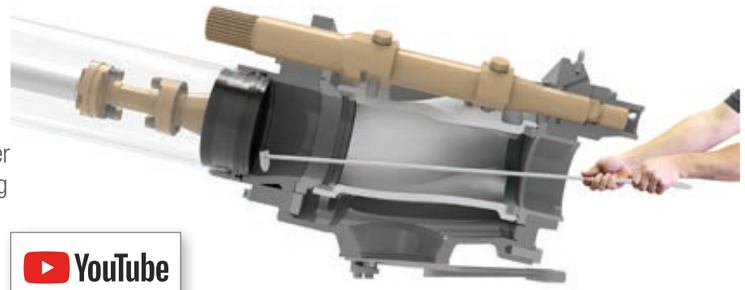
The S 56 SXF from SCHWING

Advantages and benefits in detail

The ROCK

Clean faster with less water.

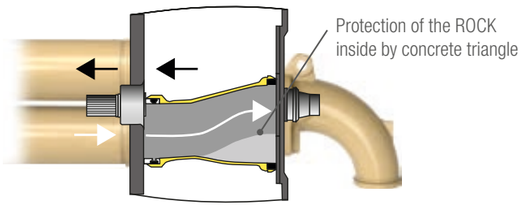
Due to its straight design, in comparison to other concrete valves, the ROCK valve is easier and quicker to clean. It also provides a direct view of the pumping pistons in the delivery cylinder. The pump kit can therefore be cleaned easily and conveniently within just two strokes. This saves water and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

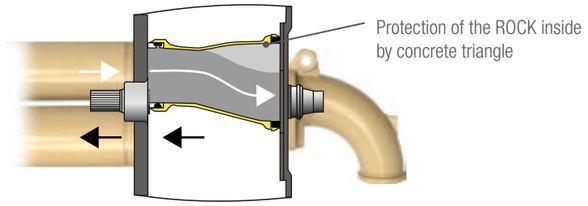


YouTube
SCHWING-Stetter
Tutorial 02

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 m³.





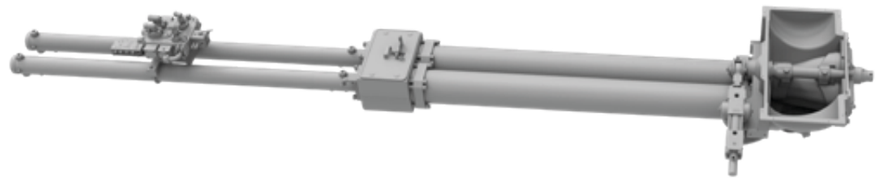
Easy maintenance.

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. The ROCK valve's 15 wearing parts is only half the number used in other concrete valves. The maintenance of the ROCK valve: simple, fast and safe.

The long-stroke pump kit P2525

Fewer strokes, smoother boom, less wear.

The SXF outriggers from SCHWING enables the installation of a pump kit with 2.50 m long delivery cylinders in this class. For a standard practice delivery rate of almost 60 m³/h, the long stroke pump kit P2525 requires no more than 8 strokes per minute. The wear costs of the S 56 SXF are thus reduced to an unrivaled low level and ensure significantly more profit per m³.



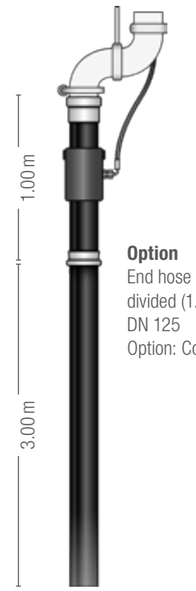
P2525 2.50 m long delivery cylinders

The end hose

Two variants for more flexibility.

Two different end hose variants are available for the S 56 SXF. A 4.00 m long end hose with DN 125 is installed as standard. On request, the 4.00 m long, split end hose (1.00 + 3.00 m) with DN 125 offers more flexibility. Both end hose variants can be equipped with an end hose stop valve.

Standard
End hose 4.00 m
DN 125
Option: Concrete shut-off-valve

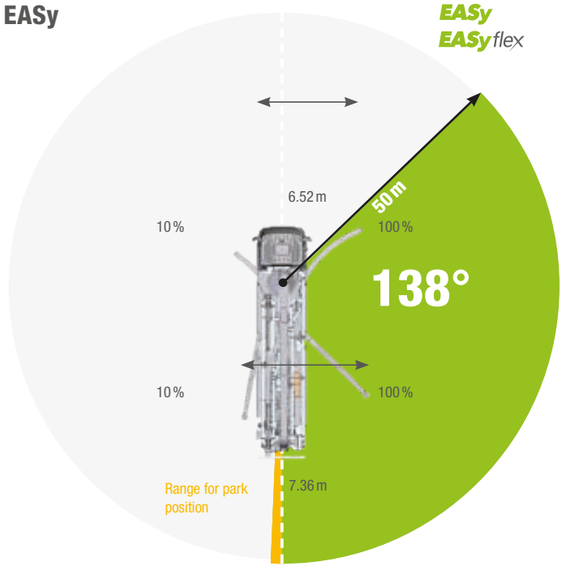


Option
End hose 4.00 m,
divided (1.00 + 3.00 m)
DN 125
Option: Concrete shut-off-valve

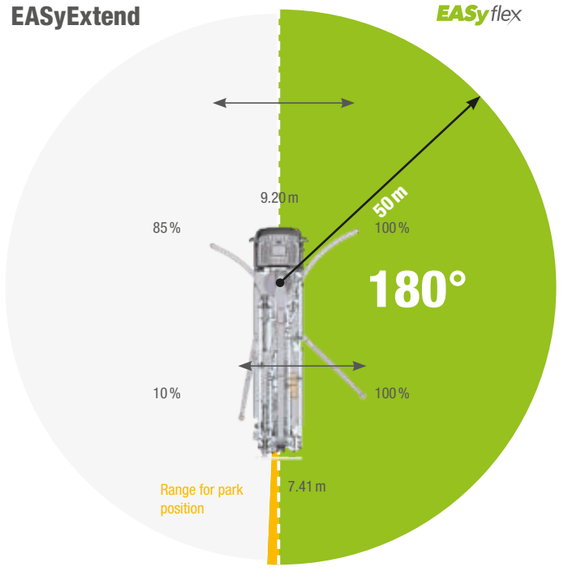
EASy and EASyflex

The outrigger systems EASy and EASyflex extend the range of applications of the S 56 SXF. With EASy, the concrete pump can be safely supported on one side, if required, whilst covering a working range of 138°. EASyflex provides further outrigger combinations and as such, more flexibility on the jobsite. In this way, pump applications can be achieved with maximum working safety even in difficult, restricted spaces. More flexibility for more safety.

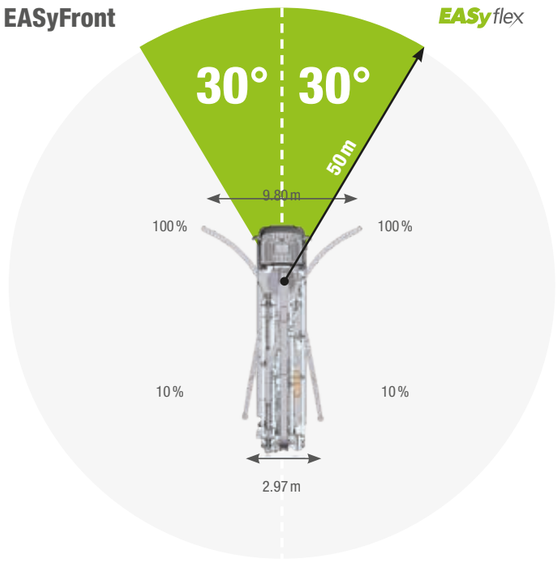
EASy



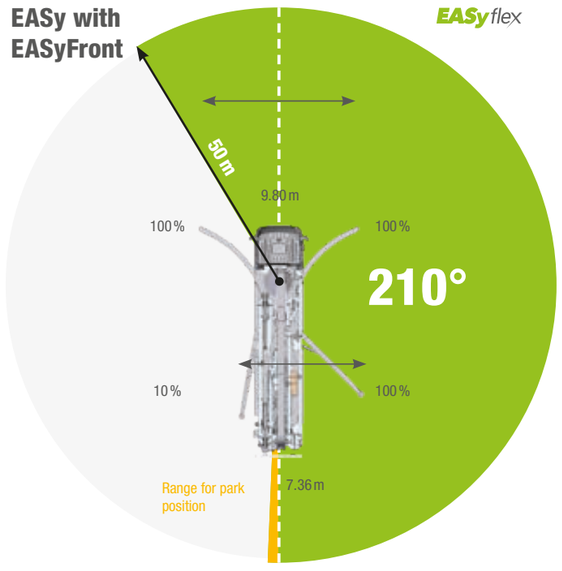
EASyExtend

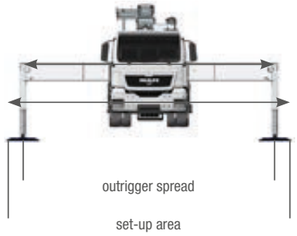


EASyFront



EASy with EASyFront

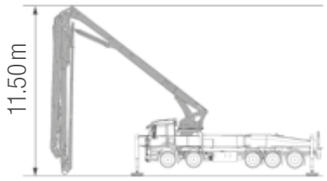


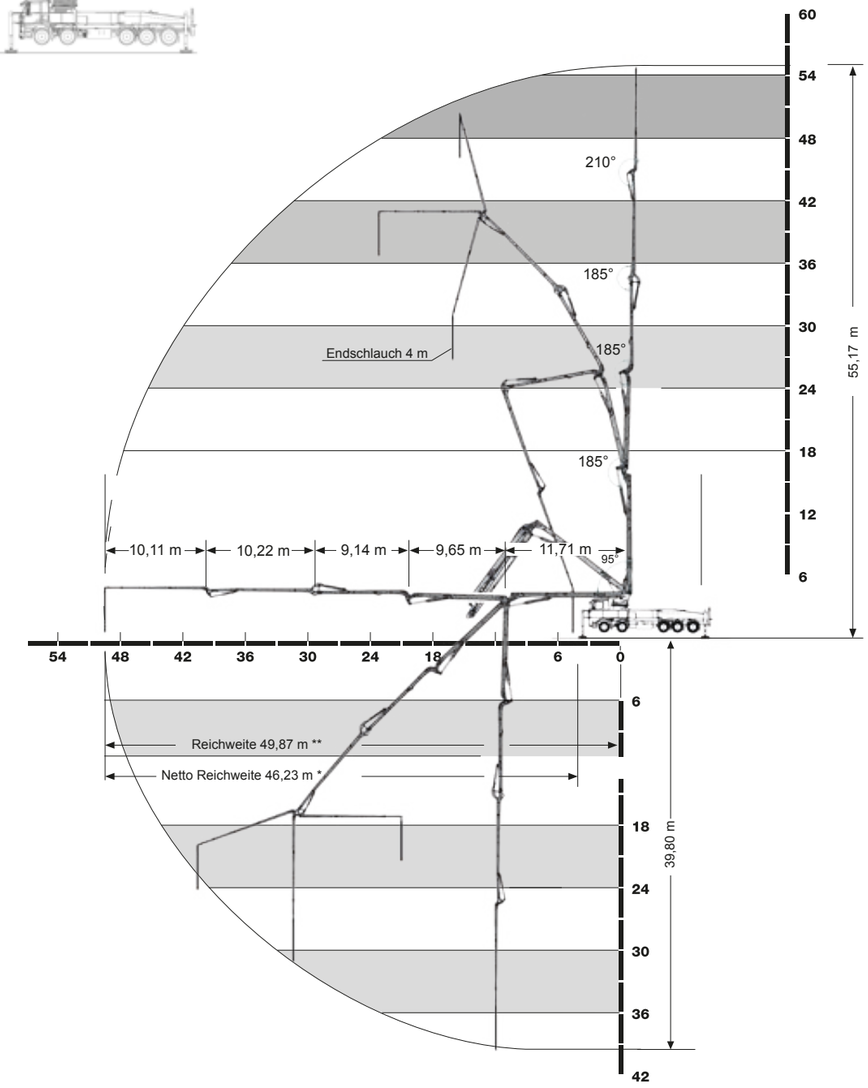


The outrigger spreads as specified are measured from the centre of the outrigger leg. Any cribbing or underlay timbers must be taken into account when determining the required set-up area.

Working range

Unfolding height

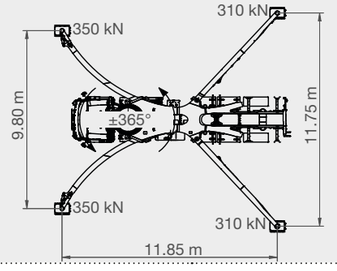




* From front of outriggers
** From centre of turret

Technical data

Performance		
Pumpkit		P 2525
Drive	l/min	636
Delivery cylinders	mm	250 × 2,500
Concrete output max.	m³/h	162
Pressure on concrete max.	bar	85
Stroke rate max.	1/min	22
Concrete valve		B-ROCK
Hydraulic system		
Design		Open system
Hydraulic tank	l	600
Boom		**56 R**
Delivery line		DN 125
Length of end hose	m	4.00 (1.00 + 3.00) with end hose DN 125
Vertical reach	m	55.20
Reach depth	m	39.80
Horizontal reach	m	49.87 m (from centre of turret)
Net horizontal reach	m	46.23 (from front of outriggers))
Number of boom sections		5
Height of the inflexion points	m	4.35 / 16.00 / 25.70 / 35.00/ 45.00
Slewing range		2 × 365°
Unfolding height	m	11.50
Support		
Outrigger width, front	m	9.80
Outrigger width, rear	m	11.75
Outrigger load, front	kN	350
Outrigger load, rear	kN	310
Chassis (examples*))		Mercedes-Benz Arocs 5046
Axles configuration		10 × 4
Wheelbase	mm	5.750
Length	mm	13.950
Miscellaneous		
Water tank	l	610
Operating weight	t	46,5



*) Other chassis available on request

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SCHWING concrete pumps. Efficiency as standard.

SCHWING Stetter

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