

# DynaRig

Dynamic Outrigger System



**DynaRig** X

**MADE IN GERMANY**  
by SCHWING-Stetter 

**Simple. Flexible. Secure.**



RECORD BREAKING ENGINEERING

# DynaRig X





DynaRig from SCHWING

# Simple, flexible and safe Support

With the new DynaRig support system (Dynamic OutRigger System), SCHWING shows how maximum stability combined with optimum reach within the physical limits of the system really works: simplicity, flexibility, plannability and safety are the attributes that take concrete pumping to a whole new level.

Suitable for: S43SX, S47SX, S51SX and S56SX

DynaRig from SCHWING – made in Germany.

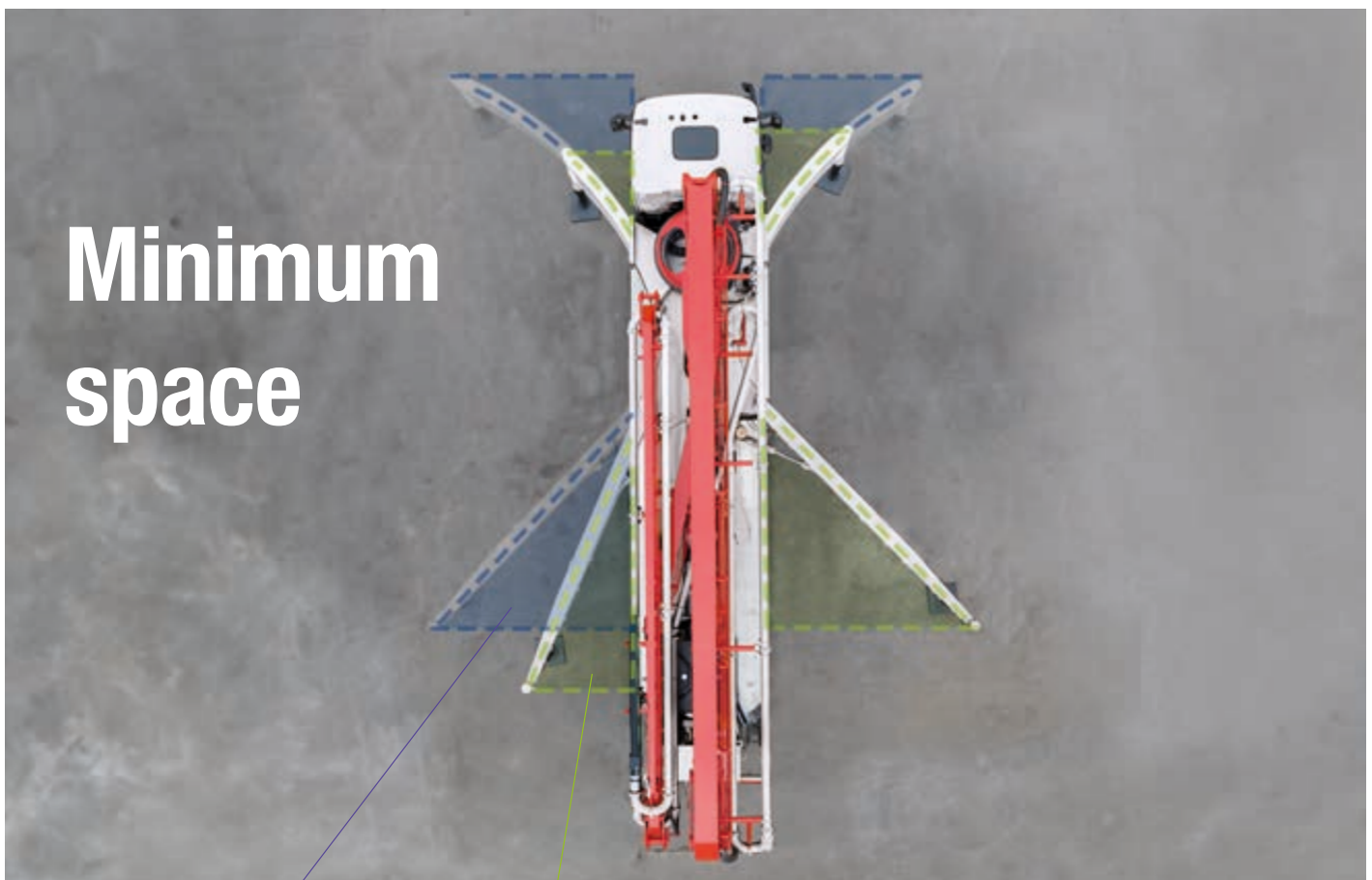
# DynaRig System

Secure support to save space

## As simple and secure as possible

Experienced truck-mounted concrete pump operators are familiar with this: confined spaces on construction sites often make it impossible to fully extend the supports. Obstacles or narrow road conditions are part of the daily picture that presents itself to the machine operator during set-up. The challenge: The truck-mounted concrete pump, booked by the customer in its respective size category, must be positioned as ideally as possible, which is where the flexible **DynaRig** system comes into play:

With its intelligent control system, **DynaRig** checks within the physical system limits what maximum reach is possible for a given extension situation of the stabilisers.



Minimum  
space

I Full support

I DynaRig flexible support

Everything at a glance

## Maximum SIMPLICITY

The new **DynaRig** screen displays all important functions at a glance. This makes it easy and intuitive to recognise the maximum range of the mast in each section. It also conveniently shows how the mast should ideally be driven in borderline situations.

Thanks to the more consistent user guidance, **DynaRig** can be operated quickly and easily both directly on the truck-mounted concrete pump via the tried-and-tested VECTOR II control unit and via the new SC 50 radio remote control with a colourful, modern user interface.



# DynaRig System

Use according to standard:

## Maximum SAFETY

### General information on the European safety standard EN 12001:2012

EN 12001 is a European standard. It is valid in the countries of the European Union (EU) and also in Iceland, Liechtenstein, Norway, Switzerland and Turkey, and describes the safety requirements for conveying, spraying and placing machines for concrete and mortar and is aimed at machine manufacturers. In the current version EN 12001:2012\*, the safety requirements have been significantly tightened. With the entry into force of the revised standard on 28th February 2013, the above-mentioned machines must comply with the stricter safety requirements. This is a prerequisite for the sale and operation of conveying, spraying and placing machines for concrete and mortar that are placed on the market after 1st March 2013 within the scope of the standard. Existing machines are not affected by the stricter safety requirements.

### Tasks of the machine operator

The operator must take suitable measures to ensure that the machine is in perfect technical condition. This ensures the safe and economical operation of the concrete pump.

## Example: S 51 SX

### DynaRig outrigger widths and minimum angles boom section 1

Nominal horizontal ranges	m	45,00	42,00	39,00	36,00	33,00
Minimum angle boom section 1	°	0°	37°	59°	74°	89°
Outrigger width front (full support)	m	8,95	8,95	7,95	6,95	6,05
Outrigger width rear (full support)	m	9,95	9,30	8,30	7,30	5,70

\*\* Values for types S 43 SX, S 47 SX and S 56 SX on request.

### DynaRig

The task of the machine manufacturer is to implement the requirements of the revised European standard. SCHWING truck-mounted concrete pumps with the **DynaRig** support system naturally fulfil all the safety requirements of EN 12001:2012 in full. Electronic sensors continuously check the current boom movement and release the boom if it is in the correct position. Movements that could lead to an unstable position are prevented by the **DynaRig** system.

So that you can continue to work safely and efficiently in the future.



\* Date of printing of this brochure

5 pumps in one

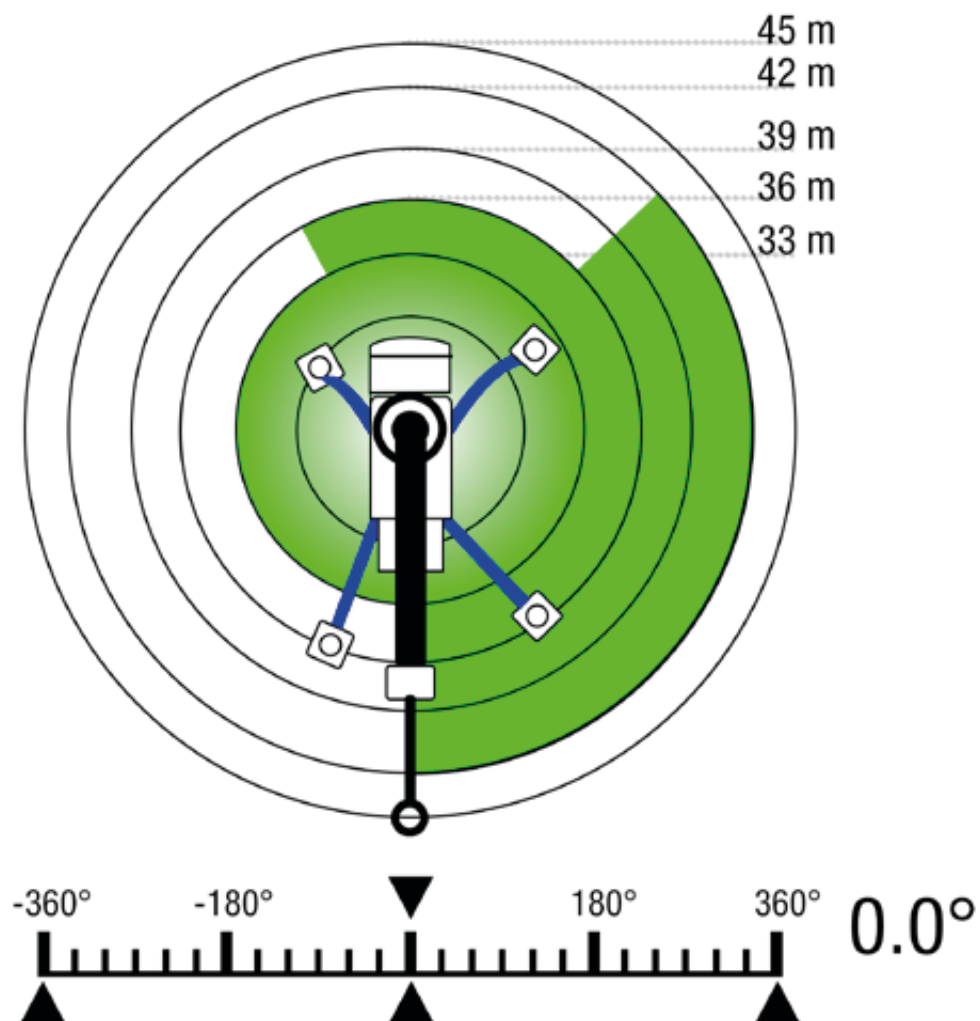
## Minimum space – maximum FLEXIBILITY

**DynaRig** offers complete flexibility in shoring, especially in confined spaces on construction sites. Each of the four stabilisers can be extended as far as required. The new **DynaRig** system then automatically determines the maximum available horizontal reach of the boom.

Example:

A SCHWING S 51 SX truck-mounted concrete pump has a nominal horizontal reach of 45 metres.

With **DynaRig**, the pump can also be used in the maximum lengths of 42, 39, 36 and 33 metres - while at the same time reducing the required support area.



**DynaRig** X



schwing-stetter



schwinggroup



schwing-stetter.com



Concrete pumps from SCHWING. Efficiency as standard.



**SCHWING  
Stetter**

SCHWING GmbH  
Heerstraße 9–27 · 44653 Herne, Deutschland  
Fon +49 2325 987-0 · Fax +49 2325-72922  
www.schwing-stetter.com · info@schwing.de

Stetter GmbH  
Dr.-Karl-Lenz-Straße 70 · 87700 Memmingen, Deutschland  
Fon +49 8331-78-0 · Fax +49 8331-78275  
www.schwing-stetter.com · info@stetter.de

Subject to technical and dimensional changes. Illustrations are not binding. The exact standard and scope of delivery and the technical data can be found in the offer.