

SMP TILTROTATOR ST28

Machines 22 - 30 tonnes

The SMP Tiltrotator improves flexibility and makes the machine more effective. It has a grease lubricated gear housing, constant rotation and 40° tilt in all directions. The tiltrotator can be mounted onto the existing quick coupler or directly onto the dipper arm. Easy maneuvering of the tilt rotator with joystick rollers inside the driver cab, allows the operator to easily and effectively perform advanced and precision work without having to move the machine. This also makes the work environment safer for both the driver and those working near the machine.

SMP Tiltrotator ST28 is supplied with complete hydraulic hoses, hydraulic connections, electric cables and an installation manual. Available with double-acting cylinders or single-acting telescopic cylinders for tilting.

ST28 can be adapted for most machines in the size range and is available with most types of quick coupler systems and with a direct mounted upper/lower section.

NEW FEATURES OF THE SMP TILTROTATOR GENERATION 4

Maintenance and productivity

- Improved central lubrication which can also be connected to the machine's central lubrication system.
- Lubrication free bearings which reduce the amount of lubrication points by approximately 50%.

For the user

- We offer a new system based on the CAN Bus platform. This gives a whole new user interface.
- The system is easy and quick to install.
- The operating handle is ergonomically designed with different degrees of functionality.

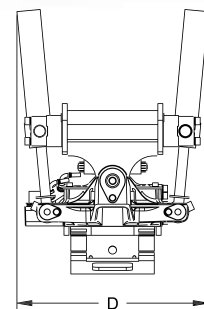
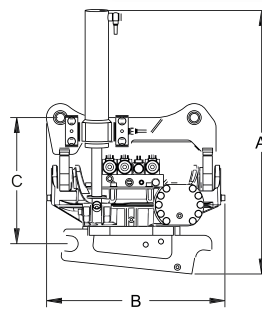
Safety

- There are integrated load holding valves in the tilt cylinder.
- Attachment bracket with spring locks are used for double the safety in the event of a loss of pressure.

Mounting	B20 / S2 (B27)	S70	SMP1
Approx weight (kg)	760 (840)	730	740
Dimensions A / B / C / D	1130 / 1020 / 570 / 920	1080 / 920 / 670 / 860	1120 / 1040 / 710 / 870
Tilt angle	2 x 40°	2 x 40°	2 x 40°
Rotation	Infinite 360°	Infinite 360°	Infinite 360°
Oil flow Min / Max	50 / 100 L/min	50 / 100 L/min	50 / 100 L/min
Operating pressure Min / Max	18 / 35 Mpa	18 / 35 Mpa	18 / 35 Mpa
Tilt torque at 21 Mpa	52,88 kNm	52,88 kNm	52,88 kNm
Rotation speed	10 sec / rotation	10 sec / rotation	10 sec / rotation
Torque	7000 Nm	7000 Nm	7000 Nm

Weights can vary depending on design of product

ST28



TECHNICAL SPECIFICATIONS SWINGOTILT ST18

Infinite rotation 360°

Tilting 2 x 40°

12/24V DC

Grease filled gear housing

Control system

MACST / Pro / P

Valve system

TS-TXXSC

Open Source Solution

Pro OS

SMP
SMP Parts AB

SMP Parts AB

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