

SMP TILTROTATOR VALVE SYSTEM/CONTROL SYSTEM

Control System Properties	Valve System with Directional Valve		Control System			Open Source
	TS-TXSC*	TXX - TXXSC (Not ST 6)	P	Pro	MACS ST	Pro OS
Simultaneous tilt and rotation	√**	√**	√	√	√	√
Simultaneous tilt, rotation and additional hydraulic function	-	-	√	√	√	√
Auxiliary hydraulic function	√	√	√	√	√	√
Proportional control system	-	-	-	√	√	√
Proportional auxiliary hydraulics	-	-	-	√	√	√
Operate proportionally with the control system	-	-	-	√	√	√
Hydraulic locks	√	√	√	√	√	√
Auto tuning					√	-
Angle and rotation sensor					√	-
High flow swivel available				√	√	-
Optimised tools or user profiles				√	√	-
Available for tracks or wheel steering				√	√	-
User-friendly interface					√	-
Open Source – can be adapted for all control systems						√

Minimum Machine Requirements

Double-acting auxiliary hydraulics	√					
Two double-acting auxiliary hydraulic circuits	-	√	-	-	-	
Single acting auxiliary hydraulics	-	-	√	√	√	√
Hydraulic locking device	√*	√*	√*	√*	√*	√*
Spare buttons/rollers in the handle	1-2	2-3	6	L8 supplied	L8 supplied	2

*Attachment depends on the hydraulic lock system. Please consult with your SMP contact. **N.B. See the spec below.

Description of Valve System

Function		Double Acting Hydraulic Circuits	Separate Locking Device	Amount of Hoses
No Additional Function				
TS	Hydraulic valves for changing between tilt and rotation.	1		2
One Auxillary Function				
TX(S)	Hydraulic valves for changing between tilt and auxiliary hydraulics. Rotation directly connected to machine control valve.	2		4
TX(CS)	Hydraulic valves for changing between tilt and auxiliary hydraulics. Rotation and locking device directly connected to machine control valve.	2	√	6
TXSC	Change tilt to auxiliary hydraulics to rotation to locking device.	1		2
TXS(C)	Valve kits which change between tilt and auxiliary hydraulics and rotation, locking device is directly connected.	1	√	4
Double Auxillary Functions				
TXX(CS)	Hydraulic valves for changing between tilt and auxiliary hydraulics and extra auxiliary hydraulic. Rotation and locking device directly connected to machine control valve.	2	√	6
TXXC(S)	Hydraulic valves for changing between tilt and auxiliary hydraulics and auxiliary hydraulics two and locking device. Rotation directly connected to machine control valve.	2		4

Nomenclature

T=Tilt, S=Rotation, X=Auxiliary hydraulic functions, C=Hydraulic locking device, () = function is directly connected