

Spindle parameter

Command	Data type	Description	PS	AX	RW	Range
M_SSEC_MPSP_SP001	T_SHORT	SP001: Magnetic sensor and motor built-in encoder orientation-mode position loop gain	--	O	RW	-32768 to 32767
M_SSEC_MPSP_SP002	T_SHORT	SP002: Encoder orientation-mode position loop gain	--	O	RW	-32768 to 32767
M_SSEC_MPSP_SP003	T_SHORT	SP003: C-axis non-cutting position loop gain	--	O	RW	-32768 to 32767
M_SSEC_MPSP_SP004	T_SHORT	SP004: Orientation in-position width	--	O	RW	-32768 to 32767
M_SSEC_MPSP_SP005	T_SHORT	SP005: Orientation-mode change speed limit value	--	O	RW	-32768 to 32767
M_SSEC_MPSP_SP006	T_SHORT	SP006: Orientation-mode deceleration rate	--	O	RW	-32768 to 32767
M_SSEC_MPSP_SP007	T_SHORT	SP007: Orientation position shift amount	--	O	RW	-32768 to 32767
M_SSEC_MPSP_SP008	T_SHORT	SP008: Not used	--	O	RW	-32768 to 32767
M_SSEC_MPSP_SP009	T_SHORT	SP009: Synchronous tapping position loop gain	--	O	RW	-32768 to 32767
M_SSEC_MPSP_SP010	T_SHORT	SP010: Spindle synchronization position loop gain	--	O	RW	-32768 to 32767
M_SSEC_MPSP_SP011	T_SHORT	SP011: Not used	--	O	RW	-32768 to 32767
M_SSEC_MPSP_SP012	T_SHORT	SP012: Not used	--	O	RW	-32768 to 32767
M_SSEC_MPSP_SP013	T_SHORT	SP013: Not used	--	O	RW	-32768 to 32767
M_SSEC_MPSP_SP014	T_SHORT	SP014: Not used	--	O	RW	-32768 to 32767
M_SSEC_MPSP_SP015	T_SHORT	SP015: Not used	--	O	RW	-32768 to 32767
M_SSEC_MPSP_SP016	T_SHORT	SP016: Not used	--	O	RW	-32768 to 32767
M_SSEC_MPSP_SP017	T_SHORT	SP017: Maximum motor speed	--	O	RW	-32768 to 32767
M_SSEC_MPSP_SP018	T_SHORT	SP018: Motor zero speed	--	O	RW	-32768 to 32767
M_SSEC_MPSP_SP019	T_SHORT	SP019: Speed command acceleration/deceleration time constant	--	O	RW	-32768 to 32767
M_SSEC_MPSP_SP020	T_SHORT	SP020: Speed detection set value	--	O	RW	-32768 to 32767

M_SSEC_MPSP_SP021	T_SHORT	SP021: Torque limit 1	--	O	RW	-32768 to 32767
M_SSEC_MPSP_SP022	T_SHORT	SP022: Speed loop gain proportional term under speed control	--	O	RW	-32768 to 32767
M_SSEC_MPSP_SP023	T_SHORT	SP023: Speed loop gain integral term under speed control	--	O	RW	-32768 to 32767
M_SSEC_MPSP_SP024	T_SHORT	SP024: Not used	--	O	RW	-32768 to 32767
M_SSEC_MPSP_SP025	T_SHORT	SP025: Spindle gear teeth count 1	--	O	RW	-32768 to 32767
M_SSEC_MPSP_SP026	T_SHORT	SP026: Spindle gear teeth count 2	--	O	RW	-32768 to 32767
M_SSEC_MPSP_SP027	T_SHORT	SP027: Spindle gear teeth count 3	--	O	RW	-32768 to 32767
M_SSEC_MPSP_SP028	T_SHORT	SP028: Spindle gear teeth count 4	--	O	RW	-32768 to 32767
M_SSEC_MPSP_SP029	T_SHORT	SP029: Motor shaft gear teeth count 1	--	O	RW	-32768 to 32767
M_SSEC_MPSP_SP030	T_SHORT	SP030: Motor shaft gear teeth count 2	--	O	RW	-32768 to 32767
M_SSEC_MPSP_SP031	T_SHORT	SP031: Motor shaft gear teeth count 3	--	O	RW	-32768 to 32767
M_SSEC_MPSP_SP032	T_SHORT	SP032: Motor shaft gear teeth count 4	--	O	RW	-32768 to 32767
M_SSEC_MPSP_SP033	T_SHORT	SP033: Spindle function 1	--	O	RW	0x0000 to 0xFFFF
M_SSEC_MPSP_SP034	T_SHORT	SP034: Spindle function 2	--	O	RW	0x0000 to 0xFFFF
M_SSEC_MPSP_SP035	T_SHORT	SP035: Spindle function 3	--	O	RW	0x0000 to 0xFFFF
M_SSEC_MPSP_SP036	T_SHORT	SP036: Spindle function 4	--	O	RW	0x0000 to 0xFFFF
M_SSEC_MPSP_SP037	T_SHORT	SP037: Spindle function 5	--	O	RW	0x0000 to 0xFFFF
M_SSEC_MPSP_SP038	T_SHORT	SP038: Spindle function 6	--	O	RW	0x0000 to 0xFFFF
M_SSEC_MPSP_SP039	T_SHORT	SP039: Drive unit type	--	O	RW	0x0000 to 0xFFFF
M_SSEC_MPSP_SP040	T_SHORT	SP040: Motor type	--	O	RW	0x0000 to 0xFFFF
M_SSEC_MPSP_SP041	T_SHORT	SP041: Regenerative resistor type (SPJ)/Power supply type (SP)	--	O	RW	0x0000 to 0xFFFF
M_SSEC_MPSP_SP042	T_SHORT	SP042: Detector range for C axis	--	O	RW	-32768 to 32767
M_SSEC_MPSP_SP043	T_SHORT	SP043: Detector range for synchronous tapping, spindle synchronization	--	O	RW	-32768 to 32767
M_SSEC_MPSP_SP044	T_SHORT	SP044: NC communication frequency	--	O	RW	-32768 to 32767
M_SSEC_MPSP_SP045	T_SHORT	SP045: Not used	--	O	RW	-32768 to 32767