

MPS # = SPINDLE PARAMETERS 8055/8040 (Bold are Defaults)

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PARAMETER	MEANING	VALUE
P0 - SPDLTYPE	IDCATES OUTPUT BEING USED	0 - 2 [0]
P1 - DFORMAT	DISPLAY FORMAT	0 - 4 [0]
P2 - MAXGEAR1	MAXIMUM SPEED FOR GEAR 1	0 - 65535
P3 - MAXGEAR2	MAXIMUM SPEED FOR GEAR 2	0 - 65535
P4 - MAXGEAR3	MAXIMUM SPEED FOR GEAR 3	0 - 65535
P5 - MAXGEAR4	MAXIMUM SPEED FOR GEAR 4	0 - 65535
P6 - AUTOGEAR	AUTOMATIC GEAR CHANGE	YES, [NO]
P7 - POLARM3	SIGN FOR SPINDLE ANALOG OUTPUT FOR M3	+ or - [+]
P8 - POLARM4	SIGN FOR SPINDLE ANALOG OUTPUT FOR M4	+ or - [-]
P9 - SREVM05	FOR MILL , NECESSARY TO STOP SPINDLE FOR REVERSING	[YES], NO
P10 - MINSOVR	MINIMUM APPLCABLE PROGRAMABLE SPIDLE SPEED	0 - 255 % [50]
P11 - MAXSOVR	MAXIMUM APPLCABLE PROGRAMABLE SPIDLE SPEED	0 - 255 % [120]
P12 - SOVRSTEP	SPIDLE OVERRIDE STEP	0 - 255 [5]
P13 - NPULSES	NUMBER OF PULSES OF ENCODER	0 - 65535 [1000]
P14 - DIFFBACK	FEEDBACK DIFFERENTIAL SIGNAL	[YES], NO
P15 - FBAKAL	FEEDBACK ALARM	OFF,[ON]
P16 - AXISCHG	CHANGE COUNTING DIRECTIONS	YES, [NO]
P17 - DWELL	DWELL BETWEEN ENABLE AND ANALOG OUT	[0] - 65535 ms
P18 - ACCTIME	ACCELERATION TIME (DECELERATION THE SAME)	[0] - 65535 ms
P19 - INPOSW	IN POSITION ZONE (DEAD BAND)	0 - 99999.999 ° [0.01]
P20 - INPOTIME	TIME REMAIN IN POSITION ZONE TO CONFIRM IN POSITION	[0] - 65535 ms
P21 - MAXFLWE1	MAXIMUM FOLLOWING ERROR FOR AXIS IN MOTION	0 - 99999.999 ° [30]
P22 - MAXFLWE2	MAXIMUM FOLLOWING ERROR FOR AXIS STOPS	0 - 99999.999 ° [0.1]
P23 - PROGAIN	PROPORTIONAL GAIN	[0] - 65535
P24 - DERGAIN	DERIVATIVE GAIN	[0] - 65535
P25 - FFGAIN	FEED-FORWARD GAIN	[0] - 100 %
P26 - LOOPCHG	SIGN OF ANALOG OUTPUT	YES, [NO]
P27 - MINANOUT	MINIMUM ANALOG OUTPUT (MAX 10V)	[0] - 32767
P28 - SERVOFF	OFFSET VALUE TO ANALOG OUTPUT FOR THE DRIVE	[0] - ±32767
P29 - LOSPDLIM	LOWER LIMITS OF THE ACTUAL SPIDLE SPEED	0 - 255 % [50]
P30 - UPSPDLIM	UPPER LIMIT OF THE ACTUAL SPINDLE SPEED	0 - 255 % [150]
P31 - DECINPUT	HOME SWITCH FOR M19	NO, [YES]
P32 - REFPULSE	TYPE OF FLANK FOR REFERENCE PULSE	+ or -
P33 - REFDIREC	INDICATES THE DIRECTION OF THE HOME SEARCH	+ or -
P34 - REFEED1	FEEDRATE FOR REFERENCE SEARCH	0.00001-3937.0 °/min
P35 - REFEED2	FEEDRATE FOR REFERENCE AFTER HITTING HOME SWITCH	0.00001-3937.0 °/min
P36 - REFVALUE	REFERENCE VALUE	± 3937.00787 °[0]
P37 - MAXVOLT	MAXIMUM ANALOG VOLTAGE FOR G00	0 - 9999 mV [9.5 V]
P37 - MAXVOLT	MAXIMUM ANALOG VOLTAGE FOR G00	0 - 9999 mV [9.5 V]
P37 - MAXVOLT	MAXIMUM ANALOG VOLTAGE FOR G00	0 - 9999 mV [9.5 V]
P37 - MAXVOLT	MAXIMUM ANALOG VOLTAGE FOR G00	0 - 9999 mV [9.5 V]
P41 - GAINUNIT	UNIT FOR PROGAIN AND DERGAIN mV/DEG OR mV/0.01 DEG	[0] OR 1
P42 - ACFGAIN	VALUE APPLIED ON VARIATIONS OF F.E. OR PROG. FEEDRATE	[No] or Yes
P43 - M19TYPE	SPINDLE HOMED EVERYTIME OR ON POWER UP ONLY	[0] - 1
P44 - SERCOSID	SERCOS ADDRESS ASSOCIATED WITH THE SPINDLE	[0] - 8
P45 - OPLACETI	VELOCITY COMMAND IS SUDDEN OR IN A RAMP IN OPEN LOOP	[0] - 65535ms
P46 - SMOTIME	DURATION OF A FILTER IN ms	[0] ms
P47 - ACCTIME2	POSSIBILITY TO USE DIFFERENT ACCELERATIONS	[0] - 65535ms
P48 - PROGAIN2	POSSIBILITY TO USE DIFFERENT PROGAINS	[0] - 65535mV
P49 - DERGAIN2	POSSIBILITY TO USE DIFFERENT DERGAINS	[0] - 65535mV
P50 - FFGAIN2	POSSIBILITY TO USE DIFFERENT FEEDFORWARD	[0] - 100 %
P51 - SERCOSLE	INDICATES THE TYPE OF SERCOS COMMUNICATION	[0], 1
P52 - MSPINDO	INDICATES WHEN M3,M4,M5 SENTWHEN SPINDLE ACC/DEC	YES,NO

0 - ±10 V
1 - 2 digit BCD
2 - 8 digit BCD

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P53 - SYNPOSOF	SYNCHRONISM POSITION OFFESETS	0 - 99999.99999 ⁰ [2⁰]
P54 - SYNSPEOF	SYNCHRONISM SPEED OFFESET	0 - 65535 [1 rpm]
P55 - ACCTIME3	ACCELERATION TIME 3	0 - 65535ms
P56 - PROGAIN3	PROPORTIONAL GAIN 3	0 - 65535mV
P57 - DERGAIN3	DERIVATIVE GAIN 3	0 - 65535mV
P58 - FFGAIN3	FEED-FORWARD GAIN 3	0 - 100 %
P59 - ACCTIME4	ACCELERATION TIME 4	[0] - 65535ms
P60 - SECACESP	SECOND ACCELERATION TIME 4	[0] - 65535 rpm
P61 - SYNCPOLA	SYNCHRONISM POLARITY	[No] or Yes
P62 - CONLOOP	CONTINUOUS SPINDLE CLOSED LOOP	[No] or Yes
P63 - SYNMAXSP	SYNCHRONISM MAXIMUN SPEED	[0] - 65535 rpm