

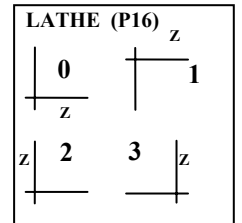
MPG = GENERAL MACHINE PARAMETERS 8055 / 8040 (Bold are Defaults)

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PARAMETER	MEANING	VALUE [M] [L]
P0 - AXIS1	FEEDBACK TO CONNECTOR X1 OUTPUT O01	0 - 13 [1]
P1 - AXIS2	FEEDBACK TO CONNECTOR X2 OUTPUT O02	0 - 13 [2] [3]
P2 - AXIS3	FEEDBACK TO CONNECTOR X3 OUTPUT O03	0 - 13 [3] [10]
P3 - AXIS4	FEEDBACK TO CONNECTOR X4 OUTPUT O04	0 - 13 [4] [11]
P4 - AXIS5	FEEDBACK TO CONNECTOR X5 OUTPUT O05	0 - 13 [5] [0]
P5 - AXIS5	FEEDBACK TO CONNECTOR X5 OUTPUT O06	0 - 13 [10] [0]
P6 - AXIS7	FEEDBACK TO CONNECTOR X6 OUTPUT O07	0 - 13 [11] [0]
P7 - AXIS8	FEEDBACK TO CONNECTOR X6 OUTPUT O08	0 - 13 [11] [0]
P8 - INCHES	METRIC OR US SYSTEM (G71 OR G70)	0 or 1
P9 - IMOVE	INITIAL MOVEMENT (G00 OR G01)	0 or 1
P10 - ICORNER	INITIAL CORNER (G07 OR G05)	0 or 1
P11 - IPLANE	INITIAL PLANE (G17 OR G18)	0 or 1
P12 - ILCOMP	INITIAL LENGTH COMPENSATION (G44 OR G43)	0 or 1
P13 - ISYSTEM	INITIAL SYSTEM (G90 OR G91)	0 or 1
P14 - IFEED	INITIAL FEED (G94 OR G95)	0 or 1
P15 - THEODPLY	REAL OR THEORETICAL DISPLAY	0 or 1
P16 - GRAPHICS	INDICATES AXIS SYSTEM	0 - 3
P17 - RAPIDOVR	G00 WITH OVERRIDE (0 - 100%)	YES, NO
P18 - MAXFOVR	FEEDRATE OVERRIDE FROM PLC OR DNC	0 - 255 % [120]
P19 - CIRINLIM	MAXIMUM FEEDRATE FOR CIRCULAR INTERPOLATION	0 - 65535
P20 - CIRINERR	MAXIMUM ERROR FOR CIRCULAR INTERPOLATION	0.00001 - 3937.008
P21 - PORGMOVE	NEW POLAR OF LAST G02 AND G03	YES, NO
P22 - BLOCKDLY	DWELL IN ms BETWEEN BLOCKS WHEN G07 IS ACTIVE	0 - 65535
P23 - NTOOL	NUMBER OF TOOLS	0 - 255 [100]
P24 - NPOCKET	NUMBER OF POCKETS IN TOOL MAGAZINE	0 - 255 [100] [0]
P25 - RANDOMTC	RANDOM TOOL CHANGER	YES, NO
P26 - TOOLMONI	DISPLAY UNITS FOR TOOL LIVE (MINS. OR NUM. OF OPERAT.)	0 or 1
P27 - NTOFFSET	NUMBER OF TOOLS OFFSETS	0 - 255 [100]
P28 - TOFFM06	TOOL OFFSET WITH M06 [MACHINING CENTER]	YES, NO
P29 - NMISCFUN	NUMBER OF MISCELLANEOUS FUNCTIONS	0- 255 [32]
P30 - MINAENDW	MINIMUM TIME FOR AUX END TO BE VALID [ms]	0 - 65535 [100]
P31 - NPCROSS	NUMBER OF POINTS CROSS COMPENSATION TABLE 1	0 - 255
P32 - MOVAXIS	FIRST CROSS COMP. TABLE [AXIS CAUSING PROBLEM]	0 - 9
P33 - COMPAXIS	AXIS COMPENSATED	0 - 9
P34 - REFPSUB	SUBROUTINE ASSOCIATED WITH G74	0 - 9999
P35-38 INT1,2,3,4SUB	SUBROUTINE ASSOCIATED WITH INT1 TO INT 4	0 - 9999
P39 - PRBPULSE	LEADING OR TRAILING EDGE OF PROBE SIGNAL	+ or -
P40-45 PRBXMIN	INDICATES POSITION (X,Y,Z) OF PROBE FOR TOOL CALIBRAT.	± 3937.00787 “[0]
P46 - PRBMOVE	MAXIMUM DISTANCE CAN TOOL TRAVEL FOR CALIBRATION	0.00001 - 3937.008 “
P47 - USERDPLY	NUMBER OF PROGRAM ASSOCIATED WITH EXECUTE MODE	0 - 65535
P48 - USEREDIT	NUMBER OF PROGRAM ASSOCIATED WITH EDIT MODE	0 - 65535
P49 - USERMAN	NUMBER OF PROGRAM ASSOCIATED WITH JOG MODE	0 - 65535
P50 - USERDIAG	NUMBER OF PROGRAM ASSOCIATED WITH DIAGNOSIS MODE	0 - 65535
P51 - ROPARMIN	LOWER LIMIT FOR ARITHMETIC PARAMETRIC PROTECTION	0 - 9999
P52 - ROPARMAX	UPPER LIMIT FOR ARITHMETIC PARAMETRIC PROTECTION	0 - 9999
P53 - PAGESMEM	NOT USED AT THIS TIME	
P54 - NPCROSS2	NUMBER OF POINTS CROSS COMPENSATION TABLE 2	0 - 255
P55 - MOVAXIS2	FIRST CROSS COMP. TABLE [AXIS CAUSING PROBLEM]	0 - 9
P56 - COMAXIS2	AXIS COMPENSATED	0 - 9
P57 - NPCROSS3	NUMBER OF POINTS CROSS COMPENSATION TABLE 3	0 - 255
P58 - MOVAXIS3	FIRST CROSS COMP. TABLE [AXIS CAUSING PROBLEM]	0 - 9
P59 - COMAXIS3	AXIS COMPENSATED	0 - 9
P60 - TOOLSUB	SUBROUTINE ASSOCIATED WITH T FUNCTION	0 - 9999

- 0 - FREE
- 1 - X axis
- 2 - Y axis
- 3 - Z axis
- 4 - U axis
- 5 - V axis
- 6 - W axis
- 7 - A axis
- 8 - B axis
- 9 - C axis
- 10 - SPINDLE
- 11 - HANDWHEEL
- 12 - HANDWHEEL
(with selector)
- 13 - Auxiliary spindle
(Live tool)
- 14 - 2nd Main spindle
- 21 - X axis handwheel
- 22 - Y axis handwheel
- 23 - Z axis handwheel
- 24 - U axis handwheel
- 25 - V axis handwheel
- 26 - W axis handwheel
- 27 - A axis handwheel
- 28 - B axis handwheel
- 29 - C axis handwheel

- MILL (P16)**
- 0 - Mill
 - 1 - Mill with W
 - 2 - Boring Mill
 - 3 - Boring Mill with W



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P61 - CYCATC	FOR MACHINING CENTER CYCLIC TOOL CHANGER	NO, YES
P62 - TRMULT	MULTIPLIER FOR TRACING OPERATION <i>(NOT USED ON 8040 SERIES)</i>	0 - 9999
P63 - TRPROG	PROPORTIONAL GAIN FOR TRACING <i>(NOT USED ON 8040 SERIES)</i>	0 - 9999
P64 - TRDERG	TRACING DERIVATIVE GAIN <i>(NOT USED ON 8040 SERIES)</i>	0 - 9999 [250]
P65 - MAXDEFLE	MAXIMUM DEFLECTION FOR PROBE IN TRACING <i>(NOT USED ON 8040 SERIES)</i>	0 - 3937.008 “ [0.01]
P66 - MINDEFLE	MINIMUM DEFLECTION FOR PROBE IN TRACING <i>(NOT USED ON 8040 SERIES)</i>	0 - 3937.008 “ [0.001]
P67 - TRFBAKAL	TRACE FEEDBACK ALARM <i>(NOT USED ON 8040 SERIES)</i>	OFF, ON
P68 - TIPDPLY	CNC DISPLAYS TOOL BASE OR TOOL TIP POSITION	0 – 1 [0] [1]
P69 - ANTICIP. TIME	PUNCH PRESSES. TIME BEFORE O/P ADVINPOS ACTIVATED	0-65535 ms
P70 - PERCAX	LATHE CNC. C AXIS ONLY DEACTIVATED BY M3,M4,M5 <i>(NOT USED ON 8040 SERIES)</i>	NO, YES
P71 - TAFTERS	TOOL AFTER SUBROUTINE. TOOL SELECTED BEFORE OR AFTER EXECUTING SUB.	NO, YES
P72 - LOOPTIME	SETS SAMPLING PERIOD BY CNC	0,1, 2..6 period in ms
P73 - IPOTIME	SETS INTERPOLATION PERIOD & AFFECTS BLK. PROC. TIME	0, 1=double looptime
P74 - COMPTYPE	TYPE OF BEG/END OF TOOL RADIUS COMP. APPLIED	0, 1
P75 - FPRMAN	LATHE CNC; FEEDRATE PER REVOLUTION PERMITTED	NO, YES
P76 - MPGAXIS	LATHE CNC; INDICATES AXIS THE HANDWHEEL ASSIGNED	0.....9
P77 - DIRESET	LATHE CNC; RESET IS EFFECTIVE ALL THE TIME OR NOT	NO, YES
P78 - PLACOM	LATHE CNC; TOOL COMP IN ALL PLANES OR JUST ZX	0, 1
P79 - MACLOOK	LIMIT MAX. PERCENTAGE OF ACCCELL SET WITH G51	0--255 %
P80 - MPGCHG	TURNING DIRECTION OF THE HANDWHEEL	NO, YES
P81 - MPGRES	COUNTING RESOLUTION OF THE HANDWHEEL	0, 1, 2
P82 - MPGNPUL	NUMBER OF PULSES PER TURN OF THE HANDWHEEL	0-65535 (0=25pul/trn)
P83 - MPG1CHG	TURNING DIRECTION OF THE HANDWHEEL	NO, YES
P84 - MPG1RES	COUNTING RESOLUTION OF THE HANDWHEEL	0, 1, 2
P85 - MPG1NPUL	NUMBER OF PULSES PER TURN OF THE HANDWHEEL	0-65535 (0=25pul/trn)
P86 - MPG2CHG	TURNING DIRECTION OF THE HANDWHEEL	NO, YES
P87 - MPG2RES	COUNTING RESOLUTION OF THE HANDWHEEL	0, 1, 2
P88 - MPG2NPUL	NUMBER OF PULSES PER TURN OF THE HANDWHEEL	0-65535 (0=25pul/trn)
P89 - MPG3CHG	TURNING DIRECTION OF THE HANDWHEEL	NO, YES
P90 - MPG3RES	COUNTING RESOLUTION OF THE HANDWHEEL	0, 1, 2
P91 - MPG3NPUL	NUMBER OF PULSES PER TURN OF THE HANDWHEEL	0-65535 (0=25pul/trn)
P92 - CUTOPTY	MC AND TC KEYBOARD ACTIVATION FOR THE LCD 11”	0=T&M 255=TC&MC
P93 - XFORM	SPINDLE TYPE	0, 1, 2, 3
P94 - XFORM1	SETS SPINDLE AXES AND THEIR ORDER	0, 1, 2, 3
P95 - XFORM2	SETS ROTATING DIRECTION OF THE ROTARY AXES	0, 1, 2, 3
P96-105 XDAT0-XDATA9	DEFINES DIMENSIONS OF THE SPINDLE	
P106 - PRODEL	INDICATES THE PROBE DELAY	0 & 255
P107 - MAINOFFS	MAINTAINS TOOL OFFSET ON POWER UP & EMERGENCY	0, 1
P108 - ACTGAIN2	AXES AND SPINDLE MAY HAVE 2 GAINS	0, 1
P109 - TRASTA	NEW TRACING ALGORITHM APPLIED FOR LATERAL DEFEC.	0 (old), 1 (new)
P110 - DIPLCOF	SET AN ADDITIVE ZERO OFFSET FOR EACH AXIS FROM PLC	0, 1, 2
P111 - HANDWIN	INPUT GROUP HANDWHEELS ARE ASSOCIATED WITH.	0,17,33,49,65,etc
P112 - HANDWHE1	HANDWHEEL ASSOCIATION	
P113 - HANDWHE2	HANDWHEEL ASSOCIATION	
P114 - HANDWHE3	HANDWHEEL ASSOCIATION	
P115 - HANDWHE4	HANDWHEEL ASSOCIATION	
P116 - STOPTAP	INDICATES WHETHER GENERAL INPUTS /STOP,/FEEDHOL, XFERINH ARE ENABLED	YES,NO during tapping
P117 - INSFEED	SETS TOOL INSPECTION FEEDRATE	degrees or In/min. 0

0=shared
1=X axis
2=Y axis
3= Z axis
4= U axis
5= V axis
6= W axis
7= A axis
8= B axis
9= C axis

0=0.00001”
1=0.00010”
2=0.00100”

0=standard
1= reserved
2= dual swival
3= angled

0=B-main, A secondary
1=C-main, A secondary
2=A-main, B secondary
3=C-main, B secondary

11=handwheel
21=X
22=Y
23=Z
24=U
25=V
26=W
27=A
28=B
29=C

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P118 - DISTYPE	NOT BEING USED	
P119 - PROBERR	THE CNC ISSUES AN ERROR WITHOUT RECEIVING A SIGNAL	YES, NO
P120 - SERSPEED	SETS SERCOS COMMUNICATIONS SPEEDS	0
P121 - SERPOWSE	SETS POWER OF THE SERCOS LIGHT THROUGH FIBER OPTICS	1 - 6 (4-recom.)
P122 - LANGUAGE	LANGUAGE	0-6
P123 - GEOMTYPE	TOOL GEOMETRY ASSOC. WITH TOOL NUMBER OR OFFSET	0 - tool , 1 - offset
P124 - SPOSTYPE	SPINDLE POSITIONING TYPE	0 -using M19, 1- C axis
P125 - AUXSTYPE	AUXILIARY SPINDLE TYPE (LIVE TOOL MANAGED WITH)	0 - M45 , 1- 2 nd spindle
P126 - FOVRG75	FEED RATE OVERRIDE FOR G75	0 =100%, 1= % of switch
P127 - CPGFILE	THE # OF THE CONFIGURATION FILE FOR WGDRAW	Program #
P128 - STEODISP	SPINDLE THEORETICAL DISPLAY	0 = REAL, 1 = THEO.
P129 - HDIFFBAC	HANDWHEEL DIFFERENTIAL FEEDBACK	0 OR 1
P130 - RAPIDEN	RAPID KEY EXECUTION AND SIMULATION	0 = No effect, 1 = yes
P131 - MSGFILE	PROGRAMS FOR OEM TEXT MESSAGES LANGUAGE	Program #
P132 - FLWEDIFA	NOT USED AT THIS TIME	
P133 - RETRACAC	RETRACE ACTIVATED	0 = Not allowed, 1 = yes
P134 - G15SUB	SUBROUTINE ASSOCIATED WITH G15 (LATHE ONLY)	0 - 9999
P135 - TYPCROSS	CROSS COMP. USING THEO. OR REAL	0 = REAL, 1 = THEO
P136 - AXIS9	ASSOCIATED AXES, HANDWHEEL, SPINDLE, LIVE TOOLS	
P137 - PAXIS9	ASSOCIATED AXES, HANDWHEEL, SPINDLE, LIVE TOOLS	
P138 - AXIS10	NOT USED AT THIS TIME	
P139 - PAXIS10	NOT USED AT THIS TIME	
P140 - AXIS11	NOT USED AT THIS TIME	
P141 - PAXIS11	NOT USED AT THIS TIME	
P142 - AXIS12	NOT USED AT THIS TIME	
P143 - PAXIS12	NOT USED AT THIS TIME	
P144 - ACTBACKL	LEADSCREW BACKLASH COMP. DUE TO CHAGNE OF DIRECTION	0 = Default
P145 - ACTBAKAN	ADDITIONAL ANALOG PULSE FOR REVERSE BACKLASH	0 = Default

0- 4Mbits
 1- 2Mbits
 80 - continuous signal mode
 81- zero bit stream mode at 2Mbits
 91- zero bit stream mode at 4Mbits

P122- LANGUAGE
 0 - ENGLISH
 1 - SPANISH
 2 - FRENCH
 3 - ITALIAN
 4 - GERMAN
 5 - DUTCH
 6 - PORTUGUESE
 7 - CZECH.
 8 - POLISH
 9 - CHINESE