

HOLDERS
 Magnetic Base ----- 25,26,27
 Die----- 83
 End Mill ----- 52
HAND TAPPER----- 85
HAND TAPS----- 79

I

INDICATORS
 3D----- 24
 Centering----- 24
 Dial----- 22
 Electronic Dial----- 22
 Test----- 23
INDEX
 5C Collet----- 43
 Horizontal & Vertical----- 43
INDEXING SPACERS----- 43
INDEXABLE END MILL----- 97

J
JACK, MACHINISTS----- 110

L
LAMP, MAGNETIC TABLE ----- 26
LATHE CHUCK----- 50
LATHE MANDRELS----- 38
LEVEL
 Frame Spirit----- 29
 Master----- 29
LATHES
 Drill----- 62
 Mini----- 62
 Multi-purpose----- 63
 Mill----- 63,64
 LCD DISPLAY UNITS----- 11
LIVE CENTERS----- 36

M
MECHANICAL COUNTERS----- 110
MACHINIST JACKS & SET ----- 110
MACHINIST'S CHEST----- 61
MAGNETIC TOOLS
 Base----- 25,26,27
 Holder----- 25,26
 Magnetic Base And Indicator Set----- 27,28
 Quick Clamp----- 27
 Table Lamp----- 26
MANDRELS
 Expanding----- 38
 Lathe----- 38
MOUNTS, 5C FIXTURE----- 41
METAL MACHINES
 3-in 1 Shear, Brake And Roll----- 59
 Brakes, hand----- 59
 Bender, Tube----- 60
 Hand Notcher----- 60
 Rotary machine----- 60
 Slip Roll----- 59
 Shear, foot----- 59
MASTER GRINDER----- 65
MEASURING TOOL SETS----- 27,28
MICROMETERS----- 113,114
 Blade----- 16
 Deep Throat----- 14
 Disc----- 16
 Depth----- 19
 Electronic Outside----- 15
 Interchangeable Anvil----- 14
 Indicating----- 16
 Inside----- 18,19
 Multi-Anvil----- 17
 Outside----- 13,14
 Point----- 18
 Spline----- 15
 Screw Thread----- 17
 Three Point----- 20,21
 Tube----- 17
 Universal----- 18
 V-Anvil----- 16
MICROSCOPE----- 33
MILLING MACHINES----- 63
MILLING & DRILLING TABLES----- 44

N
NUT, ER CHUCK----- 49

P
PARALLELS ----- 2,3
 Adjustable----- 3
 Magnetic----- 6
 Ultra thin----- 2
 Wavy----- 2
PLUG GAGES ----- 1
PLANER AND SHARPER GAGE----- 30
PLATES, ANGLE----- 45
PRESSES
 Arbor----- 61
POWER FEED ----- 56
PRECISION TOOL KITS----- 27,28
PUNCH FORMERS & RADIUS DRESSER----- 54
PROTRACTOR
 Digital----- 28
 Dial Bevel----- 29
PUNCHES
 Center ----- 111
 Drive Pin ----- 111
 Hollow ----- 111
 Transfer ----- 111
PNEUMATIC TOOLS----- 112
 Die Grinder ----- 112
 Drill Grinder ----- 112
 Engraving Styus----- 112
 Hammers ----- 112
 Sander ----- 112
PROJECTOR ----- 33

Q
QUICK CHANGE TOOLS ----- 34,35
QUILL FEED HANDLE ----- 109
QUILL STOP----- 110

R
R8 COLLET & Sets----- 51
RACKS, 5C COLLET, R8 COLLET----- 39,51
RADIUS GAGES----- 30
RADIUS DRESSERS----- 54
READOUT----- 11
REAMERS
 Bridge & Boiler----- 78
 Chucking----- 76
 Expansion Chucking----- 77
 Hand----- 78
 Morse taper----- 77
 Taper shank----- 78
REFRACTOMETER----- 60
RIGHT ANGLE ATTACHMENT----- 56
ROLLS, BREAKS & SHEARS----- 59
ROTARY FILE, CARBIDE----- 108
ROTARY MACHINE----- 60
ROTARY TABLES
 Horizontal & Vertical----- 44

S
SANDER, BELT----- 58
SAW, SCROLL----- 58
SCREW THREAD GAGES----- 30
SCRIBERS----- 111
SHARPENING MACHINE----- 64
SINE PLATES & BARS----- 6
SLEEVE, DRILL----- 36
SPINDLE TAPER WIPERS----- 42
SPINDLE SQUARE----- 56
SOCKETS
 Morse Taper Extension----- 37
 Solid ----- 37
STOPS
 5C Collet----- 38
 Mill----- 39
SPACERS, INDEXING----- 43
SANDERS
 Disc----- 57
STAND
 Comparator----- 27
 Bench Grinder----- 57
 Micrometer----- 13
 Surface Plate----- 7
SAW
 Band----- 58
 Cut Off----- 58
SHARPENER, END MILL----- 55,65
SURFACE ROUGHNESS STANDARD----- 25
SQUARES, CYLINDRICAL----- 5
SQUARES

Bevel Edge----- 29
 Combination----- 29
 Knife Edge----- 29
 Spindle----- 56
 Straight Edge----- 29
 Wide Base----- 29
STAMPS, LETTER & FIGURE----- 110
STOP, MILL----- 27
SURFACE PLATE----- 7
SURFACE ROUGHNESS TESTER----- 32

T
TABLES
 Compound slide----- 45
 Horizontal & vertical----- 43
 Milling & Drilling----- 45
 Tilting----- 45
 Rotary ----- 44
TAILSTOCKS----- 44
TAP & DIE SETS----- 84
TAPPING ATTACHEMENT----- 56
TAPS
 Hand ----- 79
 Left hand----- 80
 Spiral point ----- 80
 Taper pipe ----- 80
TAP & DRILL SETS----- 85
TELESCOPING GAGES----- 24
TESTER
 Hardness----- 31
 Roughness----- 32
 Thickness ----- 31
TEST INDICATORS----- 23
THICKNESS GAGES----- 24
THREAD MEASURING WIRES----- 25
TOOL HOLDERS
 Mini----- 97
 Turing & Facing----- 98,99,100
 Boring----- 101
TOOL CHEST, TOOL CABINET----- 61
TOOL BITS & CUT-OFF BLADES
 Carbide-Tipped----- 95
 Cut-Off Blade----- 96
 Ground Tools Bits----- 94
 Indexable----- 96
STAMPS, LETTER & FIGURE ----- 110
TOOL KITS
 2 Piece----- 27
 3 Piece----- 28
 4 Piece ----- 28
 5 Piece ----- 28
 6 Piece ----- 28
TURING & FACING TOOLHOLDERS----- 98,99,100
TRAY, 5C & R8 COLLET ----- 39,51
TRUCKS
 Platform----- 61

V
V- BLOCK----- 3,4
VEE ANGLE----- 5
VICES
 2 Way ----- 46
 3 Way ----- 46
 Angle Lock----- 45
 Bench ----- 48
 CNC----- 45
 Cross----- 45
 Double Lock----- 45
 Drill Press----- 48
 Milling Machine----- 45
 Multi Purpose----- 48
 Precision Ground Modular----- 45
 Sine----- 46
 Swivel----- 45
 Quick Vise----- 48
 Toolmaker----- 47

W
WIRE GAGE----- 25
WIPER, SPINDLE----- 41
WOODWORKER----- 58
WRENCHES
 Tap & Reamer----- 83
 ER Collet----- 49

Z
ZERO SETTER----- 25

Plain Plug Gages Class ZZ Standards

- Features:
- Class ZZ(.0002" or .005mm tolerance)
 - Go(Plus) or No-Go(Minus)
 - NIST traceable
 - .0005" or .02mm sizes
 - .001" or .02mm set increments
 - 52100 tool steel: 60/62 HRC
 - 2" / 50mm long
 - 10 micro finish or better
 - Within .0001" round
 - Certificate of Accuracy included

- Uses:
- Checking locations.
 - Measuring hole sizes and depths.
 - Go and No-Go gaging.
 - Setting micrometers.
 - Checking distances between holes.



Model No.(Minus)	Model No.(Plus)	Range	No. of gages
Inch Sets			
GP-M0M	GP-M0P	.011" to .060"	50
GP-M1M	GP-M1P	.061" to .250"	190
GP-M2M	GP-M2P	.251" to .500"	250
GP-M3M	GP-M3P	.501" to .625"	125
GP-M4M	GP-M4P	.626" to .750"	125
GP-M5M	GP-M5P	.751" to .832"	82
GP-M6M	GP-M6P	.833" to .916"	84
GP-M7M	GP-M7P	.917" to 1.000"	84
Metric Sets			
GPM-M1M	GPM-M1P	1.52mm to 7.70mm	310
GPM-M2M	GPM-M2P	7.72mm to 12.70mm	250
GPM-M3M	GPM-M3P	12.72mm to 15.30mm	130
GPM-M4M	GPM-M4P	15.32mm to 17.80mm	125

Model No.(Plus)	Model No.(Minus)	Range	No. of gages
Inch Library Series			
GPS-M12P	GPS-M12M	.061" to .500"	440
GPS-M14P	GPS-M14M	.061" to .750"	690
GPS-M17P	GPS-M17M	.061" to 1.000"	940

*When you order replacement pins, just tell us size. Minus or plus.

Plain Plug Gages DIN 2269

- Features:
- GCr15 Steel: 60/62 HRC
 - Accuracy:±0.002mm
 - 50mm Long
- Uses:
- Checking locations.
 - Measuring hole sizes and depths.
 - Go and No-Go gaging.
 - Setting micrometers.
 - Checking distances between holes.



Model No.	Range	Step	No. of gages	Model No.	Range	Step	No. of gages
GM-00	0.30-1.00mm	0.01mm	71	GM-07	7.01-8.00mm	0.01mm	100
GM-01	1.01-2.00mm	0.01mm	100	GM-08	8.01-9.00mm	0.01mm	100
GM-02	2.01-3.00mm	0.01mm	100	GM-09	9.01-10.00mm	0.01mm	100
GM-03	3.01-4.00mm	0.01mm	100	GM-10	10.01-11.00mm	0.01mm	100
GM-04	4.01-5.00mm	0.01mm	100	GM-11	11.01-12.00mm	0.01mm	100
GM-05	5.01-6.00mm	0.01mm	100	GM-20	1.00-10.00mm	0.10mm	91
GM-06	6.01-7.00mm	0.01mm	100	GM-21	1.00-5.00mm	0.05mm	81

*When you order, Please tell us if you need plastic or wood case.

Universal Plug Gage Handles

light weight aluminum handles
 No bushings ! One handles cover an entire set of Pins

Model No.	Range (inch/metric)	Model No.	Range (inch/metric)
1PGH D.E.	0.010"-0.061"/0.25 -1.55 mm	5PGH D.E.	0.600"-0.765"/15.30-19.40 mm
2PGH D.E.	0.055"-0.315"/1.40-8.00 mm	6PGH D.E.	0.690"-0.875"/17.50-22.20 mm
3PGH D.E.	0.210"-0.505"/5.30 -12.80 mm	7PGH D.E.	0.755"-1.040"/19.20-26.40 mm
4PGH D.E.	0.470"-0.628"/11.90 -15.90 mm		

