

**HEWLETT-PACKARD SPECIAL TOOLS**

AC OUTLET HOLE, .866 X 1.244, C4318 60006, HPST705  
ANGLED OBROUND, 1.968 X 2.579, C4318 60006, HPST706  
CNR DET. BTM, J1518 00003, HPST702  
CNR DET. TOP, J1518 00003, HPST703  
DOUBLE HALF-ROUND, .236, E7723 00002, HPST723  
HEX .242, HX714  
HEX .287, HX715  
PUSH BUTTON, .398 X .398, CS-DDP, HPST92  
PUSH BUTTON, .398 X .596, CS-DDR, HPST32  
PUSH BUTTON, .400 X .400, CS-CYM, HPST91  
PUSH BUTTON, .400 X .600, CS-CYH, HPST46  
RECTANGLE, .500 X .418 W/ .157 CHFR ON 2 SIDES, HPST722  
RS-232, .448 X 1.654 W .132 CR, LG-CWJ, HPST79  
RS-232, .458 X .804 W/ .132 CR, LG-CPH, HPST78  
SPECIAL, .807 X .870, E1400 00602, SP663  
SPECIAL, .559 X .870, E1400 00602, SP664  
SPECIAL U SHAPE .856 X .469, E1400 00602, SP669  
U ARROW, [.5], SP713

**HEWLETT-PACKARD SUPPLIED TOOLS**

DIMPLE, RECT .228 X .258, .049 HIGH, FU (DTV), HP580, (M532)  
DIMPLE, RND, .140, .039 HIGH, HP575, (M534)  
DIMPLE, RND, .144, .030 DEEP, (VJG), [.5], HP587  
DIMPLE, RND, .312, .140 HIGH, [.5], HP542  
EMBOSS RECT, .787 X .394, .098 HIGH, HP591 (M531)  
EMBOSS RND, .750, .094 DEEP, FORM DOWN, (DVE), HP586  
FORM UP, RECT, DBL LANC, .147 X .562 W/ .080 BTWN, HP541  
HOT DOG TOOL, 2.823 X .276, 8.484 R, [3.5], 187.5 DEG & 352.5  
DEG, (VGZ), HP584  
HOT DOG TOOL, 2.823 X .276, 8.484 R, [3.5], 202.5 DEG & 337.5  
DEG, (VHA), HP585  
RS232, 1.550 X .631, 15 DEG TAPER, .234 RAD, [2], HP543

**HEWLETT-PACKARD HARD TOOLS**

RECTANGLE, 4.040 X 4.830 - .375 C.R., HPHT44  
RECTANGLE, DOUBLE 2 DEG SIDES, 6.995 X 10.895, HPHT43

**PART PUNCHED OUT TOOLS**

AP1, PO137  
"L" LATCH TOOL, 1.974, PO20  
"L" LATCH TOOL, 2.682, PO21  
11352 24708 (B), PO54  
1243069 (D), [3.5], PO136  
1401184 01D (D), (AM724), PO615  
144 POSITION, (HP1281), PO633  
1472939 01- (-), (AM731), PO619  
1502823 01B (B), (AM725), (OUTSIDE), PO616  
1502823 01B (B), (AM725), (INSIDE), PO617  
1600 1038 (D), [HP567], PO45  
54001 21201 (A), [HP735], PO120  
54001 21201 (A), [HP735], PO121  
54111 00501 & 502 (B), [HP602], PO96  
841 859 739 (2), [WE1096], PO108  
843 622 051 (1), PO123  
860066-004 (A), [MW1238], PO675  
860066-005 (B), [MW1239], PO676  
860222-000 (B), [MW1246 & MW1332], PO673  
860390-000 (C), [MW1253], PO677  
860458-001 (B), [MW1255], PO671  
860557-000 (B), [MW1258], PO684  
860592-000 (B), [MW1262], PO685  
E1403 81201, (HP771), [2], PO620  
E1432 00610-1, (HP375), [ 2 ], PO680  
E5922 00006, (HP1333), .786 X 2.174, .126 & .25 CR, [3.5], PO643  
E4000 04701 (A), (HP1211), [3.5], PO627  
P255753 (3M), [WE887], PO55  
P44G527 (3) [WE1177], PO689  
PL11, (365089), PO590

**PEDISTAL TOOLS**

DD, .562 X .500 WITH .200 CROWN @ 0-45-90, PD532

DD, .750 X .630 WITH .250 CROWN, PD708

RECT, .110 X .400, [.5], PD546

RND, .134, WITH .157 HIGH , PD667

RND, .138, WITH .322 CROWN, PD509

RND, .140, WITH .281 CROWN, [.5], PD540

RND, .146, WITH .277 CROWN, PD103

RND, .157, WITH .277 CROWN, PD102

RND, .166, WITH .200 CROWN, PD535

RND, .172, WITH .410 CROWN, [.5], PD545

RND, .180, WITH .375 CROWN, PD513

RND, .230 WITH .200 CROWN, PD559

RND, .234, WITH .085 CROWN, [.5], PD560

RND, .250, WITH .080 CROWN, [.5], PD618

RND, .250, WITH .125 CROWN, [.5], PD556

RND, .250, WITH .150 CROWN, [.5], PD613

RND, .641, WITH .098 CROWN, PD563

**MID-WEST DESIGNED TOOLS**

"U" TAB TOOL, UT17  
.070 HIGH, LN527, (M556)  
8 DEG., 1 C.R. OF .079, MW37  
BELL TOOL, 2-WAY, SLOT SIDE, BT30  
BELL TOOL, 2-WAY, TAB SIDE, BT29  
BEVELED RECT, .418 X .469 W/ .209 X 45 DEG 1 END ONLY BR720  
BEVELED RECT., .500 X 1.500 W/ .250 X 45 DEG, BR719  
BLANKING TOOL, .394 X .238, [.5], BK551  
BLENDING TOOL, 4-WAY, .5 R WITH 34 DEG ANGLES, BL73  
BLENDING TOOL, 4-WAY, .5 R WITH 45 DEG ANGLES, BL24  
BLENDING TOOL, 4-WAY, .75 R WITH 34 DEG ANGLES, BL74  
BLIND HOLE HARDWARE TOOL, .164 DIA., .042 DEEP, BH69  
BULGING SQUARE, 2.940 WITH 5.0 R, BG67  
CATCH, .250 X .400 X .1 HIGH, .040 MAT., EM686  
CARD GUIDE END, 1.222 X .250, CGE606  
CARD GUIDE END, 2.500 X .250, [3.5], CGE522  
CARD GUIDE END, 2.500 X .250, [3.5], (ANGLE 180), CGE524  
CARD GUIDE MIDDLE, 2.500 X .396, [3.5], CGM523  
CARD GUIDE END, 1.307 X .321, [2], 'CG699 BOTTOM', CGE697  
CARD GUIDE END, 1.307 X .321, [2], 'CG699 TOP', CGE698  
CARD GUIDE MIDDLE, 1.307 X .423, [2], CG699  
CARD GUIDE PUNCH & BOTTOM, 1.975 X .192, (AMPEX), CG603  
CARD GUIDE, 1" X .075 SLOT, CG642 [2]  
CARD GUIDE, 1.500 X .118, [3.5], CG701  
CARD GUIDE, 1.630 X .134-.104, [3.5], CG700  
CARD GUIDE, 2" X .076 SLOT, CG31, (M540)  
CARD GUIDE, 2.250 X .100 SLOT, CG505  
CARD GUIDE PUNCH & BOTTOM, 2.300 X .192, (AMPEX), CG604  
CARD GUIDE, 2.5 X .074 SLOT, [3.5], WIDE BELL, CG510, (M557)  
CARD GUIDE, 2.500 X .076 SLOT, CG503, (M544)  
CATCH (PL100), .53 X .74, CT571, (M535)  
CURVED RS-232, CV549  
CURVED OBROUND, 8.484 I.Rad, 8.760 O.Rad, CO717  
CURVED RECT 1.200 I.Rad., 1.400 O.Rad., CR683  
CURVED RECT 2.875 I.Rad., 3.000 O.Rad., CR629

CURVED RECT 11.50 I.Rad., 11.688 O.Rad., CR636  
CURVED RECT 20.466 I.Rad., 20.654 O.Rad., CR645 AB  
CURVED RECT 24.749 I.Rad., 24.937 O.Rad., CR646  
DUMBBELL .202 X .389, DB576  
EYEBALL TOOL, EB500  
FAN CUT OUT FOR HP, FN607  
FAT TOP "T" TOOL, FT80  
FOOTBALL TOOL, FB23  
HALF ROUND, .210R W/ 25 DEG BEV, HR721  
HALF ROUND, .492R HR716  
HEX .250 ACROSS FLATS (6 SIDED), HX649  
HEX .440 ACROSS FLATS (6 SIDED), HX641  
HOOK TOOL, PLEION, HT583  
HOOK TOOL LEFT, HP, C2786 00002, HT622  
HOOK TOOL RIGHT, HP, C2786 00002, HT623  
HORSESHOE, .650 X .800, HS506  
HORSESHOE, .680 X .860, HS530  
HORSESHOE, .850 X .888, HS670  
HOTDOG TOOL, .264 WIDTH, 2.603 RAD, HD26  
HOTDOG TOOL, .265 WIDTH, 2.150 RAD, HD48  
HOURGLASS TOOL, 15 DEG., .380 R, HG68  
IDENTIFICATION MARKING TOOL, (1 ROW), FD, 3/16 HIGH, ID554  
IDENTIFICATION MARKING TOOL, (1 ROW), FORM DOWN, ID514  
IDENTIFICATION MARKING TOOL, (1 ROW), FORM UP, ID47  
IDENTIFICATION MARKING TOOL, (2 ROW), FORM UP, ID81  
KNOCKOUT, RE, 2.500 X 1.600, [4.5], KN611  
KNOCKOUT, RO, .312, KN568  
KNOCKOUT, RO, .750, KN610  
KNOCKOUT, RO, .875, KN111  
KNOCKOUT, RO, 1.000, KN112  
LANCE & FORM TOOL, P/N 860222-000 (B), MW1332, LF672  
LANCING TOOL, FORM UP, RAD RECT, .140 R, .200 WIDE  
NOTCHING TOOL, 1.400 X .250 W/ .012 X 45 DEG, [2], SP520  
OFFSET FORM FOR HP1213 AND HP1198, OF628  
OUTSIDE SHAPE FOR P/N P403472, OS501  
RADIUS, 1.4 ID, P/N 860104-000, RA679  
RECTANGLE W/ 2 BEVELS, 1.000 X 1.299, [2], BV553

RECTANGLE WITH (2) .374 R, .642 X .882, RR49  
RECTANGLE WITH 2 BEVELS, .802 X .864, BV107  
RECTANGLE WITH 30 DEG. CHF CORNERS, .830 X 1.450, CH75  
RECTANGLE WITH 33 DEG. CHF CORNERS, .957 X 1.968, CH76  
RECTANGLE WITH 35 DEG. CHF CORNERS, .906 X 1.930, CH77  
RECTANGLE WITH KEY, .276 X 2.244, KE39  
RIB TOOL .520 X .180 DIE, RB557, (M543)

**MID-WEST DESIGNED TOOLS**

RIB TOOL, RB539, (M554)  
RS-232 WITH HOLE SLOTS, .458 X 1.654, [3.5], RS40  
SPEAKER TOOL, SP41  
SPEAKER TOOL, (ANGLE 45), SP42  
STIFFENER TOOL NO. 1, ST70  
STIFFENER TOOL NO. 2, ST71  
STIFFENER TOOL NO. 3, ST72  
TRIANGLE, 45 RIGHT, LEGS = .212, HYP. = .300, TR87  
TRIANGLE, EQUALATERAL, 1.000" LEGS, TR86  
TRIANGLE, LOWER LEFT, TR90  
TRIANGLE, UPPER LEFT, TR89  
TRIANGLE, UPPER RIGHT, TR88  
U SHAPE TOOL, HP, C2786 00002, US624  
U SHAPE TOOL, FOR OF628, US565  
U TAB TOOL ,HP, J1451 00001, US634

**CLUSTER TOOLS**

DOUBLE "D", 3 PIN, ARC, .257 X .312, [3.5], CL56  
 DOUBLE "D", 4 PIN, ARC, .257 X .312, [3.5], CL57  
 OBROUND, 3 PIN, GRID, 4-WAY, .126 X .626, [1.25], CL125  
 OBROUND, 4 PIN, LINE, .062 X .500, [1.25], CL59  
 OBROUND, 5 PIN, GRID, 4-WAY, .250 X 1.000, [3.5], CL28  
 OBROUND, 6 PIN, LINE, .094 X 1.250, [3.5], CL61  
 OBROUND, 6 PIN, GRID, 3X 2Y, .500 X .250, 90, [4.5], CL630  
 OBROUND, 7 PIN, ARC, .156 X .500, [3.5], CL25  
 OBROUND, 8 PIN, LINE, .094 X .750, [3.5], CL58  
 RECTANGLE, 4 PIN, GRID, .282 X 1.440, [3.5], CL60  
 RECTANGLE, 4 PIN, LINE, .198 X 1.576, [3.5], CL38  
 ROUND, 16 PIN, 4 X 4 GRID, .078, [2], CL582  
 ROUND, 4 PIN, GRID, .125, [1.25], AB, CL511  
 ROUND, 10 PIN, GRID, .152, [3.5], CL35  
 ROUND, 2 PIN, LINE, .152, [1.25], CL36  
 ROUND, 12 PIN, GRID, .156 DIA, [2], CL536  
 ROUND, 6 PIN, GRID, .213 DIA, [3.5], CL552  
 ROUND, 3 PIN, LINE, .220 DIA, CL548  
 ROUND, 2 PIN, LINE, .239 DIA, [2], CL712  
 ROUND, 3 PIN, LINE, .284 DIA, [2], CL711  
 SQUARE, 16 PIN, GRID, .200, [3.5], CL653  
 SQUARE, 16 PIN, GRID, .200, .508 C2C, [3.5], CL654

**RS-232 TOOLS (10 DEG TAPER)**

.394 X .804 -- .134 R, RS63  
 .400 X 1.164 -- .080 R, RS99  
 .400 X 1.600 -- .125 R, RS98  
 .406 X .736 -- .110 R, 4W, RS97  
 .448 X 1.654 -- .132 R, RS79  
 .450 X 1.210 -- .125 R, 4W, RS124  
 .458 X .804 -- .132 R, 4W, RS78  
 .514 X .875 -- .083 R, 4W, RS550

**RS-232 TOOLS (10 DEG TAPER)**

.546 X 2.370 -- .083 R, 4W, RS64  
 .626 X 1.580 -- .185 R, 4W, RS65  
 .630 X 1.606 -- .225 R, 4W, (15 DEG), HPLL, RS534  
 .631 X 1.550 -- .234 R, 4W, (15 DEG), RS597  
 .702 X 1.580 -- .185 R, 4W, RS66

**ONE-WAY CORNER RADIUS TOOLS**

.062, CR82  
 .125, CR10  
 .250, CR688  
 .326, UPPER LEFT, CR614  
 .500, CR694  
 1.220, LOWER LEFT, [2], CR128  
 1.220, LOWER RIGHT, [2], CR129  
 1.220 UPPER LEFT, [2], CR127  
 1.220, UPPER RIGHT, [2], CR126

**KEY PUNCH TOOLS**

.253 X .232 X .032, 12, [.5], 4W, KP116  
 .460 X .410 X .060, 9, [.5], 4W, KP117  
 .470 X .410 X .060, 12, [.5], 4W, KP118  
 .480 X .440 X .060, 12, [.5], 4W, KP119