

E-Clips & Tool Guide BY TOOL

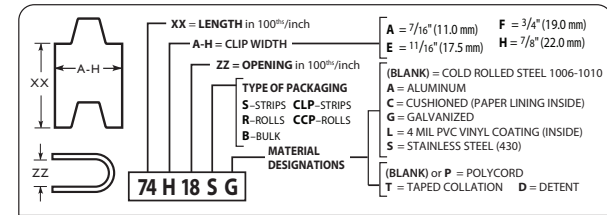
Encore and Hartco tool equivalents, the clips to use with each, and pack/ship configurations

| ECLIPSER 2000 SERIES | | GENUINE HARTCO TOOLS (CL) | | | STRIP | | | | | | INCHES | | | MILLIMETERS | | |
|----------------------|--------------|---------------------------|-----------|---------------------|--------------------|---------------|---------|-----------|---------|---------|--------|-------|-------|-------------|-------|-------|
| ENCORE | HARTCO | CLASSIC A SERIES | B SERIES | C SERIES (OBSOLETE) | ENCORE E-Clip # | HARTCO Clip # | #/STRIP | CLIPS/CTN | LBS/CTN | KGS/CTN | HEIGHT | WIDTH | DEPTH | HEIGHT | WIDTH | DEPTH |
| EA2000-1020 | HR2000-1020 | HR-45 | | | 76A18S | CLP-26 | 47 | 8,460 | 24 | 10.7 | 0.50 | 0.43 | 0.26 | 12.7 | 11 | 6.6 |
| | | | | | 85A18S | CLP-30 | 47 | 7,520 | 21 | 9.5 | 0.55 | 0.43 | 0.26 | 14.0 | 11 | 6.6 |
| EA2000-1020S | HR2000-1020S | HR-45i | | | 64A18SG | CLP-15G | 47 | 10,857 | 24 | 10.9 | 0.41 | 0.43 | 0.26 | 10.4 | 11 | 6.6 |
| | | | | | 71A18S | CLP-13 | 47 | 9,400 | 22 | 10.0 | 0.45 | 0.43 | 0.26 | 11.4 | 11 | 6.6 |
| | | | | | 71A18SG | CLP-13G | 47 | 9,400 | 22 | 10.0 | 0.45 | 0.43 | 0.26 | 11.4 | 11 | 6.6 |
| | | | | | 85A22S | CLP-33 | 42 | 6,720 | 24 | 10.9 | 0.54 | 0.43 | 0.29 | 13.7 | 11 | 7.4 |
| EA2000-1022 | HR2000-1022 | | | | 88A22S | CLP-32 | 42 | 6,720 | 25 | 11.4 | 0.55 | 0.43 | 0.29 | 14.0 | 11 | 7.4 |
| | | | | | 110A18S | - | 47 | 6,580 | 18 | 8.2 | 0.68 | 0.43 | 0.26 | 17.3 | 11 | 6.6 |
| EA2000-1024 | HR2000-1024 | | | | 91A23S | CLP-14 | 40 | 5,600 | 23 | 10.5 | 0.56 | 0.43 | 0.31 | 14.2 | 11 | 7.9 |
| EA2000-1121 | HR2000-1121 | HR-46 | | | 96A23S | CLP-9 | 40 | 5,600 | 24 | 10.9 | 0.59 | 0.43 | 0.31 | 15.0 | 11 | 7.9 |
| EA2000-1234 | HR2000-1234 | | | | 52A14SG | - | 58 | 15,834 | 25 | 11.4 | 0.32 | 0.40 | 0.20 | 8.2 | 10 | 5.1 |
| EA2000-1533 | HR2000-1533 | | | | 90A29SG | - | 29 | 5,220 | 24 | 0.5 | 0.50 | 0.43 | 0.41 | 12.7 | 11 | 10.4 |
| EA2000-1929 | HR2000-1929 | HR-45TN | | | 64A18SG | CLP-15G | 47 | 10,857 | 24 | 10.9 | 0.41 | 0.43 | 0.26 | 10.4 | 11 | 6.6 |
| | | | | | 71A16SAL | CLP-13AL | 47 | 9,400 | 22 | 10.0 | 0.45 | 0.43 | 0.26 | 11.4 | 11 | 6.6 |
| | | | | | 71A18S | CLP-13 | 47 | 9,400 | 22 | 10.0 | 0.45 | 0.43 | 0.26 | 11.4 | 11 | 6.6 |
| | | | | | 71A18SG | CLP-13G | 47 | 9,400 | 22 | 10.0 | 0.45 | 0.43 | 0.26 | 11.4 | 11 | 6.6 |
| | | | | | 112D25S* | CLP-3610 | 36 | 3,108 | 18 | 0.7 | 0.72 | 0.62 | 0.33 | 18.3 | 16 | 8.4 |
| EA2000-3236 | HR2000-3236 | HR-68 | HR-68B | HR-68C-100 | 72E18S | CLP-20 | 47 | 6,110 | 24 | 10.9 | 0.47 | 0.67 | 0.26 | 11.9 | 17 | 6.6 |
| | | | | | 78E18S | CLP-20L | 47 | 5,499 | 23 | 10.5 | 0.50 | 0.67 | 0.26 | 12.7 | 17 | 6.6 |
| | | | | | 110E25SS430 | CLP-35S434 | 37 | 2,886 | 23 | 10.5 | 0.75 | 0.67 | 0.33 | 19.1 | 17 | 8.4 |
| EA2000-4139 | HR2000-4139 | HR-85SN | HR-85BSN | | 110E25SS430 (half) | CLP-35S434 | 37 | 1,443 | 13 | 5.7 | 0.75 | 0.67 | 0.33 | 19.1 | 17 | 8.4 |
| | | | | | 88F23SAL | CLP-4NAL | 40 | 3,840 | 8 | 3.6 | 0.57 | 0.73 | 0.31 | 14.5 | 19 | 7.9 |
| EA2000-4151T | HR2000-4151T | | | | 101F23SAL | CLP-34NAL | 40 | 3,360 | 9 | 4.1 | 0.68 | 0.73 | 0.31 | 17.3 | 19 | 7.9 |
| | | | | | 101F23SS4 | CLP-34NS430 | 40 | 3,360 | 22 | 10.0 | 0.68 | 0.73 | 0.31 | 17.3 | 19 | 7.9 |
| EA2000-4157T | HR2000-4157T | HR-85SLN | HR-85SBLN | | 101F23SAL | CLP-34NAL | 40 | 3,360 | 9 | 4.1 | 0.68 | 0.73 | 0.31 | 17.3 | 19 | 7.9 |
| | | | | | 110F25SAL | CLP-36NAL | 36 | 2,664 | 8 | 3.6 | 0.72 | 0.73 | 0.33 | 18.3 | 19 | 8.4 |
| | | | | | 125A38SS | CLP-61 | 25 | 3,000 | 26 | 0.7 | 0.69 | 0.43 | 0.50 | 17.5 | 11 | 12.7 |
| EA2000-4528 | HR2000-4528 | | | | 132A38SS | CLP-64 | 25 | 3,000 | 28 | 0.7 | 0.72 | 0.43 | 0.50 | 18.3 | 11 | 12.7 |

[Eclipser]: S = Short; T = Thin/Low Profile Pin

[Hartco]: L = Lobster w Low Profile Pin; N = Narrow

[Hartco]: CLP=Clip Strip * Industry clip no.



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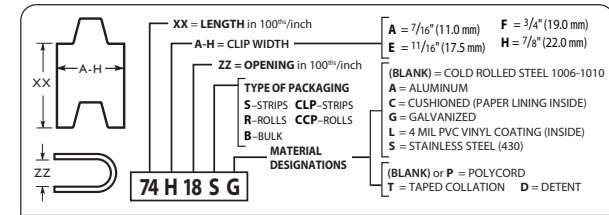
Encore and Hartco tool equivalents, the clips to use with each, and pack/ship configurations

| ECLIPSER 2000 SERIES | | GENUINE HARTCO TOOLS (CL) | | | STRIP | | | | | | INCHES | | | MILLIMETERS | | |
|----------------------|--------------|---------------------------|----------|---------------------|-----------------|---------------|---------|-----------|---------|---------|--------|-------|-------|-------------|-------|-------|
| ENCORE | HARTCO | CLASSIC A SERIES | B SERIES | C SERIES (OBSOLETE) | ENCORE E-Clip # | HARTCO Clip # | #/STRIP | CLIPS/CTN | LBS/CTN | KGS/CTN | HEIGHT | WIDTH | DEPTH | HEIGHT | WIDTH | DEPTH |
| EA2000-6075 | HR2000-6075 | | | | 68H18S | CLP-22 | 47 | 4,700 | 22 | 10.0 | 0.47 | 0.86 | 0.26 | 11.9 | 22 | 6.6 |
| EA2000-6080 | HR2000-6080 | HR-65AT | HR-65BAT | HR-65C-130 | 74F18S | CLP-2312 | 47 | 5,076 | 22 | 10.0 | 0.49 | 0.73 | 0.26 | 12.4 | 19 | 6.6 |
| | | | | | 74H18S | CLP-23 | 47 | 4,230 | 22 | 10.0 | 0.49 | 0.86 | 0.26 | 12.4 | 22 | 6.6 |
| | | | | | 74H18SC | CLP-23C | 47 | 4,230 | 23 | 10.5 | 0.49 | 0.86 | 0.26 | 12.4 | 22 | 6.6 |
| | | | | | 74H18SG | CLP-23G | 47 | 4,230 | 22 | 10.0 | 0.49 | 0.86 | 0.26 | 12.4 | 22 | 6.6 |
| | | | | | 80H18S | CLP-25 | 47 | 4,230 | 22 | 10.0 | 0.52 | 0.86 | 0.26 | 13.2 | 22 | 6.6 |
| EA2000-6082 | HR2000-6082 | | | | 90F18S | CLP-24N | 47 | 3,948 | 24 | 10.9 | 0.62 | 0.73 | 0.26 | 15.7 | 19 | 6.6 |
| | | | | | 90F18SG | CLP-2412G | 47 | 3,948 | 24 | 10.9 | 0.62 | 0.73 | 0.26 | 15.7 | 19 | 6.6 |
| | | | | | 90H18S | CLP-24 | 47 | 3,290 | 24 | 10.9 | 0.62 | 0.86 | 0.26 | 15.7 | 22 | 6.6 |
| | | | | | 90H18SG | CLP-24G | 47 | 3,290 | 24 | 10.9 | 0.62 | 0.86 | 0.26 | 15.7 | 22 | 6.6 |
| EA2000-6181 | HR2000-6181 | HR-66 | HR-66B | | 80F23S | CLP-312 | 40 | 4,320 | 22 | 10.0 | 0.51 | 0.73 | 0.31 | 13.0 | 19 | 7.9 |
| EA2000-6181 | HR2000-6181 | HR-66 | HR-66B | HR-66C-110 | 80H23S | CLP-3 | 40 | 3,600 | 22 | 10.0 | 0.51 | 0.86 | 0.31 | 13.0 | 22 | 7.9 |
| | | | | | 88F23S | CLP-412 | 40 | 3,840 | 23 | 10.5 | 0.57 | 0.73 | 0.31 | 14.5 | 19 | 7.9 |
| | | | | | 88H23S | CLP-4 | 36 | 3,200 | 23 | 10.5 | 0.57 | 0.86 | 0.31 | 14.5 | 22 | 7.9 |
| | | | | | 88H23SC | CLP-4C | 36 | 3,200 | 24 | 10.9 | 0.57 | 0.86 | 0.31 | 14.5 | 22 | 7.9 |
| EA2000-6181T | HR2000-6181T | | | | 88H23SAL | CLP-4AL | 36 | 3,200 | 8 | 3.6 | 0.57 | 0.86 | 0.31 | 14.5 | 22 | 7.9 |
| EA2000-6183 | HR2000-6183 | HR-85 | HR-85B | HR-85C-100 | 101H23S | CLP-34 | 40 | 2,800 | 24 | 10.9 | 0.68 | 0.86 | 0.31 | 17.3 | 22 | 7.9 |
| | | | | | 101H23SC | CLP-34C | 40 | 2,800 | 25 | 11.4 | 0.68 | 0.86 | 0.31 | 17.3 | 22 | 7.9 |
| EA2000-6183T | HR2000-6183T | | | | 101H23SAL | CLP-34AL | 40 | 2,800 | 9 | 4.1 | 0.68 | 0.86 | 0.31 | 17.3 | 22 | 7.9 |
| EA2000-6185 | HR2000-6185 | HR-66 | HR-66B | | 88F23S | CLP-412 | 40 | 3,840 | 23 | 10.5 | 0.57 | 0.73 | 0.31 | 14.5 | 19 | 7.9 |
| | | | | | 88F23S | CLP-72 | 40 | 3,840 | 23 | 10.5 | 0.57 | 0.73 | 0.31 | 14.5 | 19 | 7.9 |
| EA2000-6187T | HR2000-6187T | HR-85SL | HR-85SBL | | 101H23SAL | CLP-34AL | 40 | 2,800 | 9 | 4.1 | 0.68 | 0.86 | 0.31 | 17.3 | 22 | 7.9 |
| | | | | | 110H25SAL | CLP-36AL | 36 | 2,220 | 8 | 3.6 | 0.72 | 0.86 | 0.33 | 18.3 | 22 | 8.4 |
| EA2000-6189 | HR2000-6189 | HR-85S | HR-85SB | | 110E25SS4 | CLP-35430 | 37 | 2,886 | 18 | 8.2 | 0.75 | 0.67 | 0.33 | 19.1 | 17 | 8.4 |
| | | | | | 110H25S | CLP-36 | 36 | 2,220 | 18 | 8.2 | 0.72 | 0.86 | 0.33 | 18.3 | 22 | 8.4 |
| | | | | | 110H25SC | CLP-36C | 36 | 2,220 | 19 | 8.6 | 0.72 | 0.86 | 0.33 | 18.3 | 22 | 8.4 |
| EA2000-6788 | HR2000-6788 | HR-88 | | | 135H31S | CLP-38 | 31 | 1,550 | 16 | 7.3 | 0.86 | 0.86 | 0.38 | 21.8 | 22 | 9.5 |
| EA2000-6791T | HR2000-6791T | | | | 132F27SAL | WA-40 | 31 | 1,920 | 8 | 3.6 | 0.86 | 0.73 | 0.38 | 21.8 | 19 | 9.5 |
| | | | | | 135H31SAL | CLP-38AL | 31 | 1,550 | | | 0.86 | 0.86 | 0.38 | 21.8 | 22 | 9.5 |
| | | | | | 110F25SAL | WA-39 | 36 | 2,664 | 9 | 4.1 | | | | 0.0 | 0 | 0.0 |

[Eclipser]: S = Short; T = Thin/Low Profile Pin



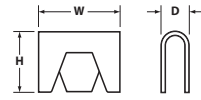

[Hartco]: L = Lobster w Low Profile Pin; N = Narrow

[Hartco]: CLP=Clip Strip



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Encore and Hartco tool equivalents, the clips to use with each, and pack/ship configurations

|  | | | | |  | | | | | |  | | |  | | |
|---|--------------|----------------------|--------------|-----------|--|---------------|---|------------|----------|----------|---|-------|-------|---|-------|-------|
| ECLIPSER 2800 SERIES | | ECLIPSER 2500 SERIES | | HARTCO CC | ROLL (COIL) | | | | | | INCHES | | | MILLIMETERS | | |
| ENCORE | HARTCO | ENCORE | HARTCO | CLASSIC A | ENCORE E-Clip # | HARTCO Clip # | - | CLIPS/ROLL | LBS/ROLL | KGS/ROLL | HEIGHT | WIDTH | DEPTH | HEIGHT | WIDTH | DEPTH |
| EA2800-1020S | HR2800-1020S | EA2500-1020S | HR2500-1020S | HR-49CC | 64A18R | CCP-15 | | 15,000 | 34 | 15.5 | 0.41 | 0.43 | 0.26 | 10.4 | 11 | 6.6 |
| | | | | | 71A18R | CCP-13 | | 15,000 | 36 | 16.4 | 0.45 | 0.43 | 0.26 | 11.4 | 11 | 6.6 |
| | | | | | 73A18R | CCP-19 | | 14,000 | 34 | 15.5 | 0.48 | 0.43 | 0.26 | 12.2 | 11 | 6.6 |
| | | | | | 76A18R | CCP-26 | | 14,500 | 39 | 17.7 | 0.50 | 0.43 | 0.26 | 12.7 | 11 | 6.6 |
| | | | | | 85A18R | CCP-30 | | 13,500 | 40 | 18.2 | 0.55 | 0.43 | 0.26 | 14.0 | 11 | 6.6 |
| EA2800-1022 | HR2800-1022 | EA2500-1022 | HR2500-1022 | HR-48CC | 76A22R | - | | 12,300 | 34 | 15.5 | 0.50 | 0.43 | 0.29 | 12.7 | 11 | 7.4 |
| | | | | | 80A22R | - | | 13,700 | 38 | 17.3 | 0.52 | 0.43 | 0.29 | 13.2 | 11 | 7.4 |
| | | | | | 85A22R | CCP-33 | | 12,300 | 38 | 17.3 | 0.54 | 0.43 | 0.29 | 13.7 | 11 | 7.4 |
| | | | | | 88A22R | CCP-32 | | 12,300 | 39 | 17.7 | 0.55 | 0.43 | 0.29 | 14.0 | 11 | 7.4 |
| EA2800-1024 | | | | | 110A18R (10mm Flat BW) | - | | 9,300 | 37 | 16.8 | 0.68 | 0.43 | 0.26 | 17.3 | 11 | 6.6 |
| EA2800-1121 | HR2800-1121 | EA2500-1121 | EA2500-1121 | HR-46CC | 88A23R | CCP-14S | | 9,375 | 37 | 16.8 | 0.56 | 0.43 | 0.31 | 14.2 | 11 | 7.9 |
| | | | | | 91A23R | CCP-14 | | 9,375 | 37 | 16.8 | 0.56 | 0.43 | 0.31 | 14.2 | 11 | 7.9 |
| | | | | | 96A23R | CCP-9 | | 10,000 | 37 | 16.8 | 0.59 | 0.43 | 0.31 | 15.0 | 11 | 7.9 |
| EA2800-6082 | HR2800-6082 | EA2500-6082 | HR2500-6082 | | 74F18R | CCP-74 | | 5,076 | 22 | 10.0 | 0.49 | 0.73 | 0.26 | 12.4 | 19 | 6.6 |
| | | | | | 90F18R | CCP-73 | | 3,948 | 24 | 10.9 | 0.62 | 0.73 | 0.26 | 15.7 | 19 | 6.6 |
| EA2800-6181 | HR2800-6181 | | | | 80F23R | CCP-71 | | 6,667 | 33 | 15.0 | 0.51 | 0.73 | 0.31 | 13.0 | 19 | 7.9 |
| EA2800-6185 | HR2800-6185 | | | | 88F23R | CCP-72 | | 5,521 | 30 | 13.6 | 0.57 | 0.73 | 0.31 | 14.5 | 19 | 7.9 |

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[Hartco]: L = Lobster w Low Profile Pin; N = Narrow

[Hartco]: CCP=Clip Coil