

## Temperature Indicators

### TempilStik<sup>®</sup>

Tempil's industrial melting point standards are simple, reliable and guaranteed accurate within 1%. TempilStik<sup>®</sup> technology was developed to meet the demand for measuring surface temperatures during preheat, interpass and postweld heat treatment temperatures. When the TempilStik<sup>®</sup> mark melts, the temperature has been reached. Over 100 temperature ratings available between 100° F (38° C) and 2500° F (1371° C). Lot numbered for NIST traceability in accordance with ISO 10012-1.

#### Applications

A few of the hundreds of uses for TempilStik<sup>®</sup> temperature indicators include: Determining surface temperatures during welding and metal fabrication including preheat, interpass, postweld heat treatment, annealing and stress relieving. Determining operating temperatures of bearings, transformers, steam traps, molds, PC board preheaters, motors, electronic components, hydraulic systems, commercial irons, hot plates & heat exchangers.

#### How to Use

When working below 700° F (371° C) on relatively rough surfaces, where prolonged heating is not required, the simplest method is to mark the workpiece before heating begins. The dry opaque TempilStik<sup>®</sup> mark will change to a distinct melted mark; this phase change will occur when the temperature rating of the selected TempilStik<sup>®</sup> has been reached.

**CAUTION:** Disregard any color change that may occur during heating. This has no significance. It is only the melting of the TempilStik<sup>®</sup> mark that indicates when the rated temperature has been reached.

At temperatures above 700° F (371° C) or under prolonged heating, the TempilStik<sup>®</sup> mark may evaporate or be absorbed. Under these conditions, stroke the workpiece with the selected TempilStik<sup>®</sup> from time to time during the heating operation. When the rated temperature has been reached, it will leave a liquid smear. This method should also be used if a smooth surface is involved, where the hard TempilStik<sup>®</sup> chalk will not leave a mark. (If it is necessary to mark a smooth surface before heating, use TempilStik<sup>®</sup>.)

#### Cleaning

For temperature ratings of 650° F (343° C) or below, the TempilStik<sup>®</sup> mark can be removed (if it has not been charred) with alcohol or water; for ratings above 650° F (343° C), use water only. If the mark has been heated well above the rated temperature and has become charred, an abrasive procedure may be required.

#### Standard Packaging

TempilStik<sup>®</sup> temperature indicators are 5" long and come in adjustable aluminum holders with pocket clip. 10 indicators per box, either loose or in individual blister packs. Bar-coded per NWSA guidelines. Approximate weight per box of 10: 1/2 lb.

#### Part Number System

##### TempilStik<sup>®</sup> Fahrenheit

Part No. TS and degree

##### TempilStik<sup>®</sup> Celsius

Part No. TSC and degree

##### TempilStik<sup>®</sup> blister packs

Part No. TSB and degree



### Fahrenheit Ratings for TempilStik<sup>®</sup>

| Part No. | ° F | ° C | Part No. | ° F | ° C | Part No. | ° F | ° C | Part No. | ° F  | ° C | Part No. | ° F  | ° C  |
|----------|-----|-----|----------|-----|-----|----------|-----|-----|----------|------|-----|----------|------|------|
| TS0100   | 100 | 38  | TS0213   | 213 | 101 | TS0331   | 331 | 166 | TS0600   | 600  | 316 | TS1500   | 1500 | 816  |
| TS0106   | 106 | 41  | TS0219   | 219 | 104 | TS0338   | 338 | 170 | TS0650   | 650  | 343 | TS1550   | 1550 | 843  |
| TS0109   | 109 | 43  | TS0225   | 225 | 107 | TS0344   | 344 | 173 | TS0700   | 700  | 371 | TS1600   | 1600 | 871  |
| TS0113   | 113 | 45  | TS0231   | 231 | 111 | TS0350   | 350 | 177 | TS0750   | 750  | 399 | TS1650   | 1650 | 899  |
| TS0119   | 119 | 48  | TS0238   | 238 | 114 | TS0363   | 363 | 184 | TS0800   | 800  | 427 | TS1700   | 1700 | 927  |
| TS0125   | 125 | 52  | TS0244   | 244 | 118 | TS0375   | 375 | 191 | TS0850   | 850  | 454 | TS1750   | 1750 | 954  |
| TS0131   | 131 | 55  | TS0250   | 250 | 121 | TS0388   | 388 | 198 | TS0900   | 900  | 482 | TS1800   | 1800 | 982  |
| TS0138   | 138 | 59  | TS0256   | 256 | 124 | TS0400   | 400 | 204 | TS0932   | 932  | 500 | TS1850   | 1850 | 1010 |
| TS0144   | 144 | 62  | TS0263   | 263 | 128 | TS0413   | 413 | 212 | TS0950   | 950  | 510 | TS1900   | 1900 | 1038 |
| TS0150   | 150 | 66  | TS0269   | 269 | 132 | TS0425   | 425 | 218 | TS1000   | 1000 | 538 | TS1950   | 1950 | 1066 |
| TS0156   | 156 | 69  | TS0275   | 275 | 135 | TS0438   | 438 | 226 | TS1022   | 1022 | 550 | TS2000   | 2000 | 1093 |
| TS0163   | 163 | 73  | TS0282   | 282 | 139 | TS0450   | 450 | 232 | TS1050   | 1050 | 566 | TS2100   | 2100 | 1149 |
| TS0169   | 169 | 76  | TS0288   | 288 | 142 | TS0463   | 463 | 239 | TS1100   | 1100 | 593 | TS2200   | 2200 | 1204 |
| TS0175   | 175 | 79  | TS0294   | 294 | 146 | TS0475   | 475 | 246 | TS1150   | 1150 | 621 | TS2300   | 2300 | 1260 |
| TS0182   | 182 | 83  | TS0300   | 300 | 149 | TS0488   | 488 | 253 | TS1200   | 1200 | 649 | TS2400   | 2400 | 1316 |
| TS0188   | 188 | 87  | TS0306   | 306 | 152 | TS0500   | 500 | 260 | TS1250   | 1250 | 677 | TS2500   | 2500 | 1371 |
| TS0194   | 194 | 90  | TS0313   | 313 | 156 | TS0525   | 525 | 274 | TS1300   | 1300 | 704 |          |      |      |
| TS0200   | 200 | 93  | TS0319   | 319 | 159 | TS0550   | 550 | 288 | TS1400   | 1400 | 760 |          |      |      |
| TS0206   | 206 | 97  | TS0325   | 325 | 163 | TS0575   | 575 | 302 | TS1450   | 1450 | 788 |          |      |      |

### Centigrade Ratings for TempilStik<sup>®</sup>

| Part No. | ° F | ° C | Part No. | ° F | ° C | Part No. | ° F | ° C | Part No. | ° F | ° C | Part No. | ° F  | ° C  |
|----------|-----|-----|----------|-----|-----|----------|-----|-----|----------|-----|-----|----------|------|------|
| TSC0040  | 104 | 40  | TSC0110  | 230 | 110 | TSC0180  | 356 | 180 | TSC0250  | 482 | 250 | TSC0500  | 932  | 500  |
| TSC0045  | 113 | 45  | TSC0115  | 239 | 115 | TSC0185  | 365 | 185 | TSC0260  | 500 | 260 | TSC0560  | 1040 | 560  |
| TSC0050  | 122 | 50  | TSC0120  | 248 | 120 | TSC0190  | 374 | 190 | TSC0270  | 518 | 270 | TSC0600  | 1112 | 600  |
| TSC0055  | 131 | 55  | TSC0125  | 257 | 125 | TSC0195  | 383 | 195 | TSC0280  | 536 | 280 | TSC0625  | 1157 | 625  |
| TSC0060  | 140 | 60  | TSC0130  | 266 | 130 | TSC0200  | 392 | 200 | TSC0290  | 554 | 290 | TSC0650  | 1202 | 650  |
| TSC0065  | 149 | 65  | TSC0135  | 275 | 135 | TSC0205  | 401 | 205 | TSC0300  | 572 | 300 | TSC0680  | 1256 | 680  |
| TSC0070  | 158 | 70  | TSC0140  | 284 | 140 | TSC0210  | 410 | 210 | TSC0320  | 608 | 320 | TSC0700  | 1292 | 700  |
| TSC0075  | 167 | 75  | TSC0145  | 293 | 145 | TSC0215  | 419 | 215 | TSC0340  | 644 | 340 | TSC0800  | 1472 | 800  |
| TSC0080  | 176 | 80  | TSC0150  | 302 | 150 | TSC0220  | 428 | 220 | TSC0350  | 662 | 350 | TSC0850  | 1562 | 850  |
| TSC0085  | 185 | 85  | TSC0155  | 311 | 155 | TSC0225  | 437 | 225 | TSC0370  | 698 | 370 | TSC0900  | 1652 | 900  |
| TSC0090  | 194 | 90  | TSC0160  | 320 | 160 | TSC0230  | 446 | 230 | TSC0400  | 752 | 400 | TSC1010  | 1850 | 1010 |
| TSC0095  | 203 | 95  | TSC0165  | 329 | 165 | TSC0235  | 455 | 235 | TSC0420  | 788 | 420 | TSC1100  | 2012 | 1100 |
| TSC0100  | 212 | 100 | TSC0170  | 338 | 170 | TSC0240  | 464 | 240 | TSC0460  | 860 | 460 | TSC1200  | 2192 | 1200 |
| TSC0105  | 221 | 105 | TSC0175  | 347 | 175 | TSC0245  | 473 | 245 | TSC0475  | 887 | 475 |          |      |      |

## Min/Max Double Tempilstik®

Tempilstik® Min/Max Indicators allow for higher-rated and lower-rated testing in a single, handy, double-ended holder. Available as a custom kit of six min/max holders, each with two kit-size sticks. You specify your preferred ratings from Tempil's range of 100 to 650° F, 38 to 343° C.



| Part No. | ° F | ° C | Part No. | ° F | ° C | Part No. | ° F | ° C | Part No.  | ° F  | ° C | Part No.   | ° F  | ° C  |
|----------|-----|-----|----------|-----|-----|----------|-----|-----|-----------|------|-----|------------|------|------|
| T100/38  | 100 | 38  | T225/107 | 225 | 107 | T350/177 | 350 | 177 | T536/280  | 536  | 280 | T1150/621  | 1150 | 621  |
| T104/40  | 104 | 40  | T230/110 | 230 | 110 | T356/180 | 356 | 180 | T550/288  | 550  | 288 | T1157/625  | 1157 | 625  |
| T109/43  | 109 | 43  | T239/115 | 239 | 115 | T363/184 | 363 | 184 | T554/290  | 554  | 290 | T1200/649  | 1200 | 649  |
| T119/48  | 119 | 48  | T248/120 | 248 | 120 | T374/190 | 374 | 190 | T572/300  | 572  | 300 | T1250/677  | 1250 | 677  |
| T122/50  | 122 | 50  | T250/121 | 250 | 121 | T375/191 | 375 | 191 | T575/302  | 575  | 302 | T1292/700  | 1292 | 700  |
| T125/52  | 125 | 52  | T256/124 | 256 | 124 | T383/195 | 383 | 195 | T600/316  | 600  | 316 | T1300/704  | 1300 | 704  |
| T131/55  | 131 | 55  | T257/125 | 257 | 125 | T388/198 | 388 | 198 | T608/320  | 608  | 320 | T1350/732  | 1350 | 732  |
| T140/60  | 140 | 60  | T263/128 | 263 | 128 | T392/200 | 392 | 200 | T650/343  | 650  | 343 | T1400/760  | 1400 | 760  |
| T150/66  | 150 | 66  | T266/130 | 266 | 130 | T400/204 | 400 | 204 | T662/350  | 662  | 350 | T1450/788  | 1450 | 788  |
| T158/70  | 158 | 70  | T269/132 | 269 | 132 | T410/210 | 410 | 210 | T700/371  | 700  | 371 | T1472/800  | 1472 | 800  |
| T163/73  | 163 | 73  | T275/135 | 275 | 135 | T413/212 | 413 | 212 | T750/399  | 750  | 399 | T1500/816  | 1500 | 816  |
| T167/75  | 167 | 75  | T284/140 | 284 | 140 | T419/215 | 419 | 215 | T752/400  | 752  | 400 | T1550/843  | 1550 | 843  |
| T169/76  | 169 | 76  | T288/142 | 288 | 142 | T425/218 | 425 | 218 | T800/427  | 800  | 427 | T1600/871  | 1600 | 871  |
| T175/79  | 175 | 79  | T294/146 | 294 | 146 | T428/220 | 428 | 220 | T850/454  | 850  | 454 | T1650/899  | 1650 | 899  |
| T176/80  | 176 | 80  | T300/149 | 300 | 149 | T437/225 | 437 | 225 | T860/460  | 860  | 460 | T1700/927  | 1700 | 927  |
| T182/83  | 182 | 83  | T302/150 | 302 | 150 | T446/230 | 446 | 230 | T900/482  | 900  | 482 | T1800/982  | 1800 | 982  |
| T185/85  | 185 | 85  | T306/152 | 306 | 152 | T450/232 | 450 | 232 | T932/500  | 932  | 500 | T1850/1010 | 1850 | 1010 |
| T188/87  | 188 | 87  | T311/155 | 311 | 155 | T455/235 | 455 | 235 | T950/510  | 950  | 510 | T1900/1038 | 1900 | 1038 |
| T194/90  | 194 | 90  | T313/156 | 313 | 156 | T463/239 | 463 | 239 | T977/525  | 977  | 525 | T1950/1066 | 1950 | 1066 |
| T200/93  | 200 | 93  | T320/160 | 320 | 160 | T475/246 | 475 | 246 | T1000/538 | 1000 | 538 | T2000/1093 | 2000 | 1093 |
| T203/95  | 203 | 95  | T325/163 | 325 | 163 | T482/250 | 482 | 250 | T1022/550 | 1022 | 550 |            |      |      |
| T206/97  | 206 | 97  | T329/165 | 329 | 165 | T488/253 | 488 | 253 | T1040/560 | 1040 | 560 |            |      |      |
| T212/100 | 212 | 100 | T338/170 | 338 | 170 | T500/260 | 500 | 260 | T1050/566 | 1050 | 566 |            |      |      |
| T213/101 | 213 | 101 | T344/173 | 344 | 173 | T518/270 | 518 | 270 | T1100/593 | 1100 | 593 |            |      |      |
| T219/104 | 219 | 104 | T347/175 | 347 | 175 | T525/274 | 525 | 274 | T1112/600 | 1112 | 600 |            |      |      |

## Tempstik® Test Kit

Tempstik® Test Kit consists of twenty 2-1/2" temperature indicating crayons, each with its own holder, with ratings from 125° F/ 52° C to 800° F/ 427° C. For welders who frequently weld different types of heat treated alloy steels in various thicknesses, and need to know precise preheat and interpass temperatures.

**Part No. TSTK**



## Temperature Indicators

### Tempilaq° G

Tempilaq° G is made of the same materials as Tempilstik°. Tempilaq° G is available in the same 102° temperature ratings as Tempilstik° and carries the same ± 1% accuracy. Lot numbers on each bottle allow it to be traced to the specific batch of raw material from which it was made.

#### How to Use

Apply a thin coating of the appropriate Tempilaq° G to a clean, dry surface. Tempilaq° G will dry rapidly to a dull, opaque film. As heat is applied and the rated temperature is achieved, the Tempilaq° G film will liquefy. Upon cooling, re-solidified mark will be distinctly different than the original mark.

**CAUTION:** Disregard any color change that may occur during heating.

This has no significance. It is only the melting of the Tempilaq° G mark that indicates when the rated temperature has been reached. Upon cooling, the melted Tempilaq° G mark will solidify to a glossy-transparent appearance.

Tempilaq° G can be diluted to any desired consistency without changing its melting point. The thinner the coating used, the quicker the reaction time will be when temperature has been reached. Use only Tempilaq° G thinner, and only the thinner recommended for the specific temperature rating being used.

#### Cleaning

For temperature ratings of 650° F (343° C) or below, the Tempilstik° mark can be removed (if it has not been charred) with alcohol or water; for ratings above 650° F (343° C), use water only. If the mark has been heated well above the rated temperature and has become charred, an abrasive procedure may be required.



| Part No. | 2 oz. |     |
|----------|-------|-----|
|          | ° F   | ° C |
| TL0175   | 175   | 79  |
| TL0200   | 200   | 93  |
| TL0225   | 225   | 107 |
| TL0250   | 250   | 121 |
| TL0275   | 275   | 135 |
| TL0300   | 300   | 149 |
| TL0313   | 313   | 156 |
| TL0325   | 325   | 163 |
| TL0350   | 350   | 177 |
| TL0363   | 363   | 184 |
| TL0375   | 375   | 191 |
| TL0400   | 400   | 204 |
| TL0425   | 425   | 218 |
| TL0450   | 450   | 232 |
| TL0475   | 475   | 246 |
| TL0488   | 488   | 253 |
| TL0500   | 500   | 260 |
| TL0525   | 525   | 274 |
| TL0550   | 550   | 288 |
| TL0575   | 575   | 302 |
| TL0600   | 600   | 316 |
| TL0650   | 650   | 343 |

| Part No. | 2 oz. |      |
|----------|-------|------|
|          | ° F   | ° C  |
| TL0700   | 700   | 371  |
| TL0750   | 750   | 399  |
| TL0800   | 800   | 427  |
| TL0850   | 850   | 454  |
| TL0900   | 900   | 482  |
| TL0950   | 950   | 510  |
| TL1000   | 1000  | 538  |
| TL1022   | 1022  | 550  |
| TL1050   | 1050  | 566  |
| TL1100   | 1100  | 593  |
| TL1150   | 1150  | 621  |
| TL1200   | 1200  | 649  |
| TL1250   | 1250  | 677  |
| TL1300   | 1300  | 704  |
| TL1400   | 1400  | 760  |
| TL1450   | 1450  | 788  |
| TL1500   | 1500  | 816  |
| TL1600   | 1600  | 871  |
| TL1700   | 1700  | 927  |
| TL1800   | 1800  | 982  |
| TL1900   | 1900  | 1038 |
| TL2000   | 2000  | 1093 |

| Part No. | ° F | ° C | UM      |
|----------|-----|-----|---------|
| TL0175QT | 175 | 79  | 1 quart |
| TL0275PT | 275 | 135 | 1 pint  |
| TL0950PT | 950 | 510 | 1 pint  |

### Typical Applications

Tempilaq° G should be used on surfaces such as polished metal, glass, plastics, rubber, fabrics or electronic components. It should also be used for making larger marks for viewing at a distance. Other applications include dielectric heatsealing, postforming plastic laminate, and annealing polished metal surfaces.

### Tempilabel°

- Self-adhesive temperature indicating labels.
- Each label consists of heat sensitive indicator(s) sealed under transparent window(s).
- As the rated temperature(s) are reached, the indicator(s) color change from light gray to black.
- Color change is one-way; irreversible.
- Temperature from 100° F to 500° F (38° C to 260° C) are available.
- Shapes, sizes and types available are numerous and can satisfy a wide range of application requirements.

#### Benefits:

- **Inexpensive**- alternative for temperature measurement.
- **Simple**- easy to apply self-adhesive label; no gauges or electronics.
- **Accurate**- within ±2% rated temperature or better.
- **Guaranteed**- accuracy certification is available.
- **Reliable**- monitor surface temperature continuously.
- **Calibration**- Tempilabels° are always in calibration.
- **Permanent Record**- easily removed after use providing documentation warranty claims and inspection or quality control reports.
- **Traceable**- production lot numbered.

### Series 4 Tempilabel°

- 4 temperature ratings per label.
- Label size: .087" L x 1.75" W
- Unit: Available in packs of 10 or rolls of 500 (4 rolls minimum)

| Part No. | ° F | ° C | ° F | ° C | ° F | ° C | ° F | ° C |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|
| TLL4A100 | 100 | 38  | 110 | 43  | 120 | 49  | 130 | 54  |
| TLL4A130 | 130 | 54  | 140 | 60  | 150 | 66  | 160 | 71  |
| TLL4A170 | 170 | 77  | 180 | 82  | 190 | 88  | 200 | 93  |
| TLL4A190 | 190 | 88  | 200 | 93  | 210 | 99  | 220 | 104 |
| TLL4A220 | 220 | 104 | 230 | 110 | 240 | 116 | 250 | 121 |
| TLL4B125 | 125 | 52  | 150 | 66  | 175 | 79  | 200 | 93  |
| TLL4B225 | 225 | 107 | 250 | 121 | 275 | 135 | 300 | 149 |
| TLL4C100 | 100 | 38  | 150 | 66  | 200 | 93  | 250 | 121 |
| TLL4C200 | 200 | 93  | 250 | 121 | 300 | 149 | 350 | 177 |

### Series 21 Tempilabel°

- Label size: .050" square
- Unit: Packs of 210 and rolls of 1000

| Part No.   | ° F | ° C | Part No.   | ° F | ° C |
|------------|-----|-----|------------|-----|-----|
| TLL-21-100 | 100 | 38  | TLL-21-220 | 220 | 104 |
| TLL-21-110 | 110 | 43  | TLL-21-230 | 230 | 110 |
| TLL-21-120 | 120 | 49  | TLL-21-240 | 240 | 116 |
| TLL-21-130 | 130 | 54  | TLL-21-250 | 250 | 121 |
| TLL-21-140 | 140 | 60  | TLL-21-260 | 260 | 127 |
| TLL-21-160 | 160 | 71  | TLL-21-270 | 270 | 132 |
| TLL-21-170 | 170 | 77  | TLL-21-280 | 280 | 138 |
| TLL-21-180 | 180 | 82  | TLL-21-290 | 290 | 143 |
| TLL-21-190 | 190 | 88  | TLL-21-300 | 300 | 149 |
| TLL-21-200 | 200 | 93  | TLL-21-400 | 400 | 204 |
| TLL-21-210 | 210 | 99  | TLL-21-500 | 500 | 260 |

## Bloxide / Anti-Heat / Lube Pads

### Bloxide° Rust Preventative

Bloxide° is a weldable rust preventative that insures x-ray quality welds. The aluminized coating acts as an oxygen barrier that protects against rust. It also forms aluminum oxide in the weld puddle which reduces porosity and pinholing.

The use of Bloxide° eliminates recleaning of sub assemblies prepared for welding even after they have been in outside storage for several months. It is an excellent weldable primer paint, and leaves no objectional residue or slag. Bloxide° is free of lead, sulfur, zinc, cadmium, mercury, chlorine or other halogens which makes it safe for the nuclear fabrication industry. It will also withstand temperatures up to 800° F.

#### How to Use

Bloxide° can be applied by brush or spray. It requires no special training, equipment, or precautions for effective application. Bloxide° is quick drying, forming a tack-free, tenacious film in minutes. Coverage is approximately 800-1,000 sq. ft. per gallon.

#### Typical Applications

Bloxide° can be used on all steels, and is compatible with most welding processes. It should definitely be considered for x-ray quality work.

- Type Approved by ABS- American Bureau of Shipping and by DNV- Det Norske Veritas for Marine and Offshore Fabrication applications.



| Part No. | UM             |
|----------|----------------|
| BLAR     | 12 oz. aerosol |
| BLGL     | 1 gallon       |
| BLQT     | 1 quart        |
| BL5GL    | 5 gallon       |

### Anti-Heat°

Anti-Heat° is a protective heat-sink compound that confines heat to the welding, brazing or soldering zone, protecting adjacent areas from undesirable heat build-up. It minimizes risk of heat damage, prevents discoloration, warping, buckling or other distortion of light-gauge metals.

#### How to Use

Anti-Heat° is easy to apply. Simply spread it on right from the can. Tube will fit standard caulking gun. It is harmless to the skin, odorless, non-toxic and will not stain the base metal. To clean, just wipe off excess with water.

#### Typical Applications

Anti-Heat° can be used effectively to protect thin gauge metals from objectionable heat inflow due to welding, brazing, soldering or other heat sources. Will also protect components, parts etc. from heat related damages, such as the gasket of a valve being welded to pipes, or paint on automobiles while being locally repaired by brazing, soldering or welding.



| Part No. | UM          |
|----------|-------------|
| AHTB     | 12 oz. tube |
| AHQT     | 1 quart     |
| AHGL     | 1 gallon    |
| AH5GL    | 5 gallon    |



### LUBE-MATIC®

LUBE-MATIC® products are engineered to reduce tip and liner wear, burnback, wire jams, and promote smoother arc feed. The solution is to clean and lubricate at the time of the weld. By doing this, the wire, tips and liners realize a 60% reduction in wire drag, providing long life and smooth arc feed. Cuts rust and dirt. Pad & clip for concentric cleaning.

#### LUBE-MATIC® Liquid

Cuts dirt and reduces wire drag 60%. Use to re-lube black pads and liners.

| Part No. | Description |
|----------|-------------|
| 007040   | 5 oz.       |
| 007050   | 46 oz       |



#### Black Lube Pads

For all types of steel wire. Not recommended for aluminum wire. Pre-treated with LUBE-MATIC® Liquid.

- Six pads per pack.

**Part No. 007060**



#### Red Kleener Pads

For all wire, all the time. Excellent for aluminum.

- Six pads per pack.

**Part No. 007061**



For maximum torch life, use together.

- Combo-Pack (1 red, 1 black)

**Part No. 007062**



## Paintpen™ / Scriber Tools

### Tempil™ Paintpen™

Tempil™ Paintpen™ is a valve action felt tip marker. Paintpen™ waterborne acrylic paint formulations are in compliance with CONEG regulations, Clean Air Act, SARA legislation and California VOC regulations.

*Tempil paintpen*

- Contains NO solvents and NO ODC's.
- Tip is washable, can't dry out.
- Simply shake well; gently depress tip until saturated with paint. There is no ball point to freeze.
- Permanently marks metals, plastic, wood, cardboard, glass, and most other surfaces - even wet or oily. It is non-hazardous, non-flammable and environmentally safe. It is waterproof and quick drying.
- Available in 4 bright lead-free colors (black, red, white, yellow).
- 12 markers per box/ 144 per case.



| Part No. | Description     |
|----------|-----------------|
| TPPBLK   | Paintpen Black  |
| TPPRED   | Paintpen Red    |
| TPPWHT   | Paintpen White  |
| TPPYEL   | Paintpen Yellow |

### Scriber Hooks and Picks



RELEASE OR INSTALL HEADLIGHT SPRINGS.



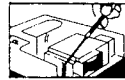
REMOVE SMALL FUSES, STUCK PARTS.



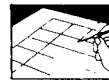
SEPARATE SMALL WIRES IN AWKWARD PLACES.



RETRIEVE LOST NUTS, BOLTS, WASHERS, TOOLS FROM TIGHT AREAS.



REMOVE SPRINGS FROM OIL BURNER RELAY BOXES.



FOR DIE LAYOUTS.



Scriber has straight and 90° angle points for marking in awkward places.

Heat-treated, bright polished, high carbon needle steel points. For the technician or craftsman who needs a sharp marking tool that works in cramped quarters, as well as, in regular applications. Knurled aluminum handle gives sure grip.

- Double Pointed Scriber
- Overall length 9-1/2"
  - Std. pkg. 1 dz.
  - Pkg. wt. 1 lbs., 2 oz.
- Part No. 1810**



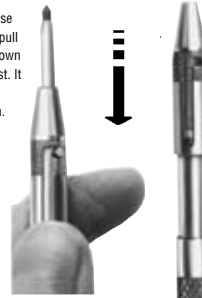
Hook is used for removing springs, wadding, washers, "O" rings — prying stuck gaskets loose.

Handy steel hook for any tool box; repairmen, technicians, service personnel. 7" long, has strong steel shaft and hook, knurled aluminum handle. Magnetic end retrieves dropped nuts, bolts, washers and other ferrous parts.

- Utility Packing Hook with magnetic pick-up handle
- Overall length 7"
  - Std. pkg. 1 dz.
  - Pkg. wt. 15 oz.
- Part No. 1820**



To expose tip just pull cover down and twist. It locks in position.



To protect tip just turn cover clockwise. It automatically "clicks" shut!

Sharp tungsten carbide tip cuts into hard surfaces, leaves clear mark on metal, glass, plastics and tools.

All-in-one "Push-Click" SAFETY COVER on tungsten carbide with magnetic pick-up.

- Pocket Scriber
- Overall length 5-7/16"
  - Std. pkg. 1 dz.
  - Pkg. wt. 15 oz.
- Part No. 1830**