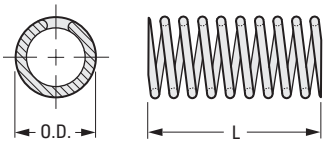
PHONE: 516.328.3300 • FAX: 516.326.8827 • WWW.SDP-SI.COM

SQUARED AND GROUND ENDS
RIGHT-HAND WOUND

Inch
0 1

**› MATERIAL:**
302 Stainless Steel, Spring Temper




## INCH COMPONENT

| Catalog Number | O.D. | Wire Dia. | L$^{\Delta}$ Free Length | $L_1$ Length | Load at $L_1$ lbf | Solid Height | Spring Rate lbf / in. |
|---|---|---|---|---|---|---|---|
| *S78CSY-005006031 | .057 | .006 | .31 | .138 | .19 | .088 | 1.1 |
| *S78CSY-005007038 | .057 | .007 | .38 | .187 | .32 | .130 | 1.6 |
| *S78CSY-005008025 | .057 | .008 | .25 | .138 | .50 | .106 | 4.4 |
| *S78CSY-005008050 | .057 | .008 | .50 | .263 | .50 | .195 | 2.1 |
| *S78CSY-008010025 | .088 | .010 | .25 | .130 | .50 | .098 | 4.2 |
| *S78CSY-008010050 | .088 | .010 | .50 | .245 | .50 | .172 | 1.9 |
| *S78CSY-008012038 | .088 | .012 | .38 | .216 | .89 | .172 | 5.4 |
| *S78CSY-008012075 | .088 | .012 | .75 | .422 | .89 | .293 | 2.7 |
| S78CSY-012014025 | .120 | .014 | .25 | .138 | 1.02 | .101 | 9.2 |
| S78CSY-012016025 | .120 | .016 | .25 | .145 | 1.53 | .119 | 14.6 |
| S78CSY-012016050 | .120 | .016 | .50 | .280 | 1.53 | .208 | 6.9 |
| S78CSY-012018038 | .120 | .018 | .38 | .237 | 2.13 | .194 | 14.9 |
| S78CSY-012018062 | .120 | .018 | .62 | .378 | 2.13 | .297 | 8.8 |
| S78CSY-012018075 | .120 | .018 | .75 | .448 | 2.13 | .359 | 7.1 |
| S78CSY-012020038 | .120 | .020 | .38 | .260 | 2.76 | .226 | 23.1 |
| S78CSY-012020075 | .120 | .020 | .75 | .500 | 2.76 | .407 | 11.0 |
| S78CSY-012022050 | .120 | .022 | .50 | .356 | 3.73 | .319 | 25.9 |
| S78CSY-012022100 | .120 | .022 | 1.00 | .709 | 3.73 | .600 | 12.2 |
| S78CSY-014021025 | .148 | .021 | .25 | .162 | 2.62 | .143 | 29.7 |
| S78CSY-014021038 | .148 | .021 | .38 | .237 | 2.62 | .193 | 18.3 |
| S78CSY-018016031 | .180 | .016 | .31 | .143 | 1.04 | .087 | 6.2 |
| S78CSY-018018050 | .180 | .018 | .50 | .239 | 1.47 | .144 | 5.6 |
| S78CSY-018018100 | .180 | .018 | 1.00 | .471 | 1.47 | .252 | 2.7 |
| S78CSY-018020050 | .180 | .020 | .50 | .263 | 1.91 | .176 | 8.1 |
| S78CSY-018020100 | .180 | .020 | 1.00 | .505 | 1.91 | .302 | 3.8 |
| S78CSY-018022025 | .180 | .022 | .25 | .144 | 2.61 | .121 | 24.7 |

* Ends squared, not ground
$^{\Delta}$ Free length L is for reference only. Load at $L_1$ is attained at length $L_1$.

Continued on the next page

# COMPRESSION SPRINGS

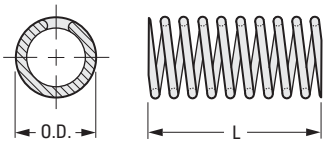
SDP/SI

PHONE: 516.328.3300 • FAX: 516.326.8827 • WWW.SDP-SI.COM

SQUARED AND GROUND ENDS
RIGHT-HAND WOUND

Inch
0 1

**› MATERIAL:**
302 Stainless Steel, Spring Temper




## INCH COMPONENT

| Catalog Number | O.D. | Wire Dia. | L Free Length | $L_1$ Length | Load at $L_1$ lbf | Solid Height | Spring Rate lbf / in. |
|---|---|---|---|---|---|---|---|
| S78CSY-018022050 | .180 | .022 | .50 | .280 | 2.61 | .192 | 11.8 |
| S78CSY-018022100 | .180 | .022 | 1.00 | .540 | 2.61 | .355 | 5.4 |
| S78CSY-018024050 | .180 | .024 | .50 | .298 | 3.17 | .232 | 15.7 |
| S78CSY-018024100 | .180 | .024 | 1.00 | .575 | 3.17 | .408 | 7.5 |
| S78CSY-018026050 | .180 | .026 | .50 | .312 | 4.19 | .247 | 22.3 |
| S78CSY-018026100 | .180 | .026 | 1.00 | .610 | 4.19 | .461 | 10.2 |
| S78CSY-018029075 | .180 | .029 | .75 | .501 | 5.36 | .418 | 21.5 |
| S78CSY-018029150 | .180 | .029 | 1.50 | .982 | 5.36 | .778 | 10.3 |
| S78CSY-018032075 | .180 | .032 | .75 | .536 | 7.36 | .456 | 34.4 |
| S78CSY-018032150 | .180 | .032 | 1.50 | 1.054 | 7.36 | .885 | 15.7 |
| S78CSY-024026050 | .240 | .026 | .50 | .279 | 3.21 | .169 | 14.5 |
| S78CSY-024026062 | .240 | .026 | .62 | .317 | 3.21 | .208 | 10.6 |
| S78CSY-024026100 | .240 | .026 | 1.00 | .508 | 3.21 | .313 | 6.2 |
| S78CSY-024035050 | .240 | .035 | .50 | .328 | 6.95 | .286 | 40.4 |
| S78CSY-024035100 | .240 | .035 | 1.00 | .628 | 6.95 | .496 | 18.7 |
| S78CSY-024038075 | .240 | .038 | .75 | .510 | 9.21 | .407 | 38.4 |
| S78CSY-024038150 | .240 | .038 | 1.50 | .984 | 9.21 | .768 | 17.8 |
| S78CSY-024040100 | .240 | .040 | 1.00 | .691 | 10.02 | .592 | 32.5 |
| S78CSY-024040200 | .240 | .040 | 2.00 | 1.355 | 10.02 | 1.106 | 15.6 |
| S78CSY-030032062 | .300 | .032 | .62 | .312 | 4.66 | .223 | 15.2 |
| S78CSY-030042044 | .300 | .042 | .44 | .310 | 9.84 | .230 | 75.6 |
| S78CSY-036042088 | .360 | .042 | .88 | .483 | 8.33 | .346 | 21.0 |
| S78CSY-042045100 | .420 | .045 | 1.00 | .475 | 8.75 | .352 | 16.7 |
| S78CSY-048055125 | .480 | .055 | 1.25 | .650 | 13.49 | .474 | 22.5 |
| S78CSY-060063150 | .600 | .063 | 1.50 | .750 | 14.99 | .526 | 20.0 |
| S78CSY-072072200 | .720 | .072 | 2.00 | .950 | 17.49 | .677 | 16.7 |

* Free length L is for reference only. Load at $L_1$ is attained at length $L_1$.

Continued from the previous page