

Compression & Extension Springs

Inch

Ressorts de compression et de traction

Pouce

STEEL

A compression spring is an open-coil helical spring that offers resistance to a compressive force applied axially. Compression springs are usually coiled as a constant-diameter cylinder.

COMPRESSION SPRINGS - IN STOCK LENGTHS TO CUT AS REQUIRED



P
Plain Ends



S
Squared or Closed Ends



| SPAENAUR No. | SPECIFICATIONS | | | | | | PKG QTY. |
|--------------|----------------|----------------|---------------|----------------|---------------|------------|----------|
| | Outside Dia. | Length Overall | Gauge of Wire | Coils per Inch | Style of Ends | Finish | |
| 610-035 | 11/64" | 11" | .026" | 19.5 | P | Bl. Japan | 10 |
| B-618 | 7/32" | 11-1/2" | .041" | 12 | S | Zinc | 10 |
| 610-034 | 15/64" | 11" | .032" | 14.6 | P | Bl. Japan | 10 |
| 610-A01-1X | 5/16" | 11-1/2" | .047" | 10 | S | Zinc | 10 |
| 610-017 | 3/8" | 10" | .047" | 8 | S | Plain | 10 |
| 610-017ZP | 3/8" | 10" | .047" | 8 | S | Zinc | 10 |
| B-620 | 3/8" | 11-1/2" | .047" | 8 | S | Bl. Japan | 10 |
| 610-029 | 7/16" | 11" | .080" | 8 | P | Bl. Japan | 10 |
| 610-033 | 15/32" | 11" | .062" | 7.3 | P | Bl. Japan | 10 |
| B-621 | 1/2" | 11-1/2" | .062" | 6 | S | Zinc | 10 |
| 610-032 | 9/16" | 11" | .062" | 5.5 | P | Bl. Japan | 10 |
| 610-026 | 9/16" | 11" | .092" | 6.3 | P | Bl. Japan | 10 |
| 610-031 | 5/8" | 11" | .062" | 4.8 | P | Bl. Japan | 10 |
| B-623 | 5/8" | 10" | .062" | 6 | S | Zinc | 10 |
| 610-047 | 5/8" | 10" | .080" | 6 | S | Zinc | 10 |
| B-624 | 11/16" | 10" | .062" | 3.5 | S | Zinc | 10 |
| 610-025 | 11/16" | 11" | .092" | 5 | P | Bl. Japan | 10 |
| 610-030 | 23/32" | 11" | .062" | 3.8 | P | Bl. Japan | 10 |
| 610-022 | 47/64" | 11" | .105" | 4.7 | P | Bl. Japan | 10 |
| 610-A02-1A | 3/4" | 10" | .091" | 3.5 | S | Zinc | 10 |
| 610-028 | 27/32" | 11" | .080" | 3.5 | P | Bl. Japan | 10 |
| ■ B-626 | 7/8" | 10" | .080" | 3 | S | Galvanized | 10 |
| 610-024 | 7/8" | 11" | .092" | 3.5 | P | Bl. Japan | 10 |
| 610-021 | 7/8" | 11" | .105" | 3.8 | P | Bl. Japan | 10 |
| 610-027 | 31/32" | 11" | .080" | 2.8 | P | Bl. Japan | 10 |
| 610-020 | 1-1/16" | 11" | .120" | 3 | P | Bl. Japan | 10 |
| 610-A04-1Y | 1-3/16" | 11" | .092" | 2.2 | P | Bl. Japan | 10 |
| 610-019 | 1-3/16" | 11" | .120" | 2.5 | P | Bl. Japan | 10 |

CONICAL SPRING

| | B-662 | 1267 |
|------------|-------------------|-------------|
| Gauge: | Zinc Plated .065" | Plain .092" |
| Height: | 1-1/4" | 1-1/2" |
| Base O.D.: | 1-5/8" | 1-13/16" |

PKG QTY. 25

■ Wire ends may not be galvanized

EXTENSION SPRINGS

UNIVERSAL STYLE



| SPAENAUR No. | Outside Dia. | Length Overall | Length of Coil | Gauge of Wire | Finish | PKG QTY. |
|--------------|--------------|----------------|----------------|---------------|--------|----------|
| B-694 | 9/32" | 6" | 1-7/8" | .054" | Zinc | 10 |
| B-650 | 3/8" | 5" | 9/16" | .041" | Black | 10 |
| B-651 | 7/16" | 6" | 1-1/16" | .054" | Black | 10 |
| B-652 | 7/16" | 9-1/2" | 3-1/4" | .047" | Black | 10 |
| B-654 | 1/2" | 9-1/4" | 3-1/4" | .047" | Black | 10 |
| 610-009 | 35/64" | 7-1/4" | 1-3/8" | .062" | Black | 10 |
| B-653 | 9/16" | 7-1/4" | 1-1/4" | .062" | Black | 10 |
| B-655 | 9/16" | 9-1/4" | 3-1/4" | .054" | Black | 10 |

Cut ends to required length and Hook to suit individual applications.

EXTENSION SPRINGS



Plain ends, without hooks or loops.

| SPAENAUR No. | Outside Dia. | Length Overall | Length of Coil | Gauge of Wire | Finish | PKG QTY. |
|--------------|--------------|----------------|----------------|---------------|--------|----------|
| 610-046 | 1/4" | 11" | — | .020" | Black | 10 |
| 610-045 | 1/4" | 11" | — | .026" | Black | 10 |
| 610-043 | 1/4" | 11" | — | .032" | Black | 10 |
| 610-044 | 5/16" | 11" | — | .026" | Black | 10 |
| 610-042 | 5/16" | 11" | — | .032" | Black | 10 |
| 610-041 | 3/8" | 11" | — | .032" | Black | 10 |
| 610-040 | 5/8" | 11" | — | .062" | Black | 10 |
| 610-037 | 3/4" | 11" | — | .105" | Black | 10 |
| 610-038 | 1" | 11" | — | .092" | Black | 10 |
| 610-036 | 1" | 11" | — | .105" | Black | 10 |

Extension springs are springs which absorb and store energy by offering resistance to a pull-force. Various types of ends are used to attach the extension spring to the source of the force.

H16

Inch

Extension Springs

Pouce

Ressorts de traction

| STEEL INCH Sizes | SPAENAUR No. | SPECIFICATIONS | | | | | PKG QTY. |
|------------------|--------------|----------------|----------------|---------------|-----------|-------------|----------|
| | | Outside Dia. | Length Overall | Gauge of Wire | End Loops | Finish | |
| | B-659 | 3/32" | 1/2" | .014" | SC | Br. Zinc | 25 |
| | B-660 | 1/8" | 5/8" | .018" | SC | Br. Zinc | 25 |
| | B-665 | 5/32" | 1-5/16" | .018" | SSL | Br. Zinc | 25 |
| | ■ 610-002 | 5/32" | 4-9/32" | .018" | SC | Br. Zinc | 10 |
| | SP-1 | 5/32" | 84" | .035" | HC,SC | Plain | 10 |
| | B-656 | 3/16" | 1" | .022" | SC | Br. Zinc | 25 |
| | B-603 | 3/16" | 7-1/4" | .025" | DS | Black | 10 |
| | B-664 | 7/32" | 1-1/4" | .028" | SSL | Br. Zinc | 25 |
| | B-667 | 7/32" | 2" | .025" | SSL | Br. Zinc | 25 |
| | 610-A07-1T | 7/32" | 9" | .031" | DS | Black | 10 |
| | 610-A09-1W | 1/4" | 1" | .022" | SC | Br. Zinc | 25 |
| | B-693 | 1/4" | 2-1/2" | .024" | SC,SS | Br. Zinc | 25 |
| | 610-A08-1K | 1/4" | 1-13/16" | .025" | SC | Plain | 25 |
| | B-605 | 1/4" | 5-3/4" | .025" | DC | Black | 10 |
| | SP-10 | 9/32" | 1" | .031" | SC | Plain | 25 |
| | B-606 | 9/32" | 5-1/4" | .042" | DC | Black | 10 |
| | B-607 | 9/32" | 6-5/8" | .034" | DC | Black | 10 |
| | B-666 | 5/16" | 1-9/32" | .023" | SSL | Br. Zinc | 25 |
| | B-608 | 5/16" | 6-3/4" | .047" | DC | Black | 10 |
| | B-610 | 11/32" | 5-1/2" | .047" | DC | Black | 10 |
| | B-609 | 11/32" | 8 3/8" | .047" | DC | Black | 10 |
| | B-611 | 3/8" | 1-5/8" | .054" | SC | Br. Zinc | 10 |
| | B-612 | 3/8" | 10" | .054" | DC | Black | 10 |
| | B-675 | 13/32" | 3-13/16" | .047" | SS | Br. Zinc | 10 |
| | B-695 | 7/16" | 2" | .041" | SS | Black | 25 |
| | B-614 | 7/16" | 5-3/8" | .062" | DC | Black | 10 |
| | B-615 | 7/16" | 6-3/8" | .047" | DC | Zinc | 10 |
| | B-627 | 7/16" | 9" | .062" | DC | Black | 10 |
| | B-671 | 1/2" | 2" | .058" | HC | Plain | 100 |
| | B-672 | 1/2" | 3" | .058" | HC | Plain | 100 |
| | 610-001 | .6250" | 2-1/4" | .072" | SC | Plain Steel | 50 |
| | B-668 | 1/2" | 2" | .072" | HC | Plain | 100 |
| | B-669 | 1/2" | 3" | .072" | HC | Plain | 100 |
| | B-670 | 1/2" | 4" | .072" | HC | Plain | 100 |
| | B-616 | 1/2" | 4-7/8" | .072" | DC | Zinc | 10 |
| | B-661 | 1/2" | 5-1/2" | .047" | SS | Plain | 10 |
| | B-689 | 1/2" | 6" | .062" | HC | Plain | 10 |
| | 610-052 | 1/2" | 3" | .072" | SC | Plain | 10 |
| | B-698 | 9/16" | 1-5/8" | .062" | HC | Br. Zinc | 25 |
| | 610-A06-1N | 9/16" | 3-5/8" | .062" | HC | Plain | 10 |
| | B-617 | 9/16" | 5-1/4" | .080" | DC | Black | 10 |
| | B-600 | 9/16" | 9" | .080" | DC | Zinc | 10 |
| | B-690 | 5/8" | 3" | .080" | DC | Plain | 25 |
| B-601 | 5/8" | 9" | .080" | DC | Black | 10 | |
| B-684 | 23/32" | 16" | .109" | SS | Br. Zinc | 10 | |
| B-602 | 13/16" | 9" | .080" | DC | Black | 10 | |

Table continues on next page...



SC Single Loop Centred



DC Double Loop Centred



SS Single Loop on Side
DS Double Loop on Side

SSL Single Loop on Side at Inward Angle of 45 °

HC Hook, Centred.

■ 610-002 (Actual Size)

