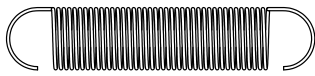


Extension Springs Steel Fixture

**PRECISION
PUNCH &
PLASTICS**



O.D. Inches	Length Inches	Part Number	Wire Dia.	Coils	Approx. Initial Tension Lbs.	Rate Lbs. / Inch	Max. Ext.	Max Safe Load Lbs.	Types of Ends	No. per Box**
.120	0.62	020-137	.0160	27	0.06	3.70	.641	2.04	Full Loops	25
.120	0.75	020-138	.0160	34	0.31	2.50	.714	2.07	Full Loops	25
.120	0.88	020-139	.0160	44	0.19	2.20	.990	2.07	Full Loops	25
.156	2.06	020-035 (G-35)	.02 Brass	90	0.25	0.50	1.180	1.75	Full Loops	12
.156	6.62	020-011 (G-11)	.0258	232	1.50	0.81	4.000	6.75	Full Loops	12
.172	9.06	020-008 (G-8)	.0256	302	1.50	1.00	5.500	7.50	Full Loops	12
.180	1.00	020-140	.0220	32	0.19	2.80	1.238	3.50	Full Loops	25
.180	1.12	020-141	.0220	36	0.31	2.40	1.344	3.50	Full Loops	25
.180	1.25	020-142	.0220	42	0.04	2.20	1.700	3.50	Full Loops	25
.187	1.00	020-042 (G-42)	.0140	70	0.12	0.18	4.000	0.87	Plain Ends	12
.234	1.12	020-040 (G-40)	.0200	34	0.50	0.75	2.380	2.25	Full Loops	12
.240	1.37	020-143	.0260	39	0.06	1.80	2.450	4.27	Full Loops	25
.240	1.50	020-144	.0260	42	0.22	1.60	2.540	4.27	Full Loops	25
.240	1.75	020-145	.0260	53	0.25	1.37	3.177	4.27	Full Loops	25
.250	4.00	020-020 (G-20)	.0286	118	0.25	0.81	1.500	4.00	Full Loops	12
.250	5.34	020-018 (G-18)	.0410	118	5.50	5.00	3.000	17.00	Full Loops	12
.250	5.75	020-017 (G-17)	.0286	181	0.62	0.44	2.250	4.50	Full Loops	12
.265	6.12	020-016 (G-16)	.0348	153	1.75	1.10	5.500	9.25	Full Loops	12
.296	1.12	020-039 (G-39)	.040 Brass	14.5	0.50	3.80	.310	5.00	DbL. Loops	12
.296	5.75	020-015 (G-15)	.0475	108	2.00	3.60	3.500	17.00	Full Loops	12
.312	5.00	020-026 (G-26)	.0410	106	0.75	1.60	4.950	11.25	Full Loops	12
.328	6.50	020-010 (G-10)	.0348	162	1.25	0.50	9.000	6.25	DbL. Loops	12
.343	1.44	020-037 (G-37)	.0475	17	4.37	15.00	.375	17.50	Full Loops	12
.343	5.37	020-027 (G-27)	.0475	103	1.12	2.60	3.620	24.00	Full Loops	12
.343	8.12	020-007 (G-7)	.0475	158	2.18	1.60	7.500	16.25	Full Loops	12
.359	10.00	020-005 (G-5)	.0540	193.5	1.50	2.30	8.000	20.00	Full Loops	12
.360	1.50	020-146	.0370	25	0.19	3.40	2.385	7.80	Full Loops	25
.360	1.75	020-147	.0370	29	0.38	2.60	2.700	7.83	Full Loops	25
.360	2.00	020-148	.0370	36	0.56	2.20	3.268	7.80	Full Loops	25
.370	3.25	020-019 (G-19)	.0410	66	1.50	1.90	4.000	8.00	Half Loops	12
.370	5.50	020-014 (G-14)	.0540	90	2.00	4.00	3.250	15.50	Full Loops	12
.370	10.00	020-006 (G-6)	.0475	193.5	2.00	1.10	8.500	11.50	Full Loops	12
.440	5.25	020-028 (G-28)	.0625	74	3.00	6.50	4.000	58.00	Full Loops	12
.440	6.44	020-009 (G-9)	.0480	118.5	2.00	1.10	7.500	10.50	DbL. Loops	12
.480	4.50	020-022 (G-22)	.0625	57.5	1.00	6.20	3.000	17.00	Full Loops	12
.500	1.62	020-034 (G-34)	.0800	11	28.00	64.00	.620	67.00	Half Loops	12
.500	10.00	020-004 (G-4)	.0625	144	4.50	1.87	8.500	20.50	Full Loops	12
.530	5.25	020-025 (G-25)	.0625	49	3.75	5.00	4.000	21.75	Swiv. Loops	12
.550	5.62	020-012 (G-12)	.0800	58.5	4.00	10.00	2.620	31.00	Full Loops	12

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Extension Springs - Continued...

O.D. Inches	Length Inches	Part Number	Wire Dia.	Coils	Approx. Initial Tension Lbs.	Rate Lbs. / Inch	Max. Ext.	Max Safe Load Lbs.	Types of Ends	No. per Box**
.560	5.50	020-013 (G-13)	.0800	55	9.00	10.50	2.940	38.00	Half Loops	12
.620	10.00	020-003 (G-3)	.0720	118.5	2.44	2.10	9.500	21.50	Full Loops	6
.680	4.00	*020-099 (G-99)	.1055	30.5	9.00	34.00	1.530	58.00	Half Loops	6
.720	2.00	020-095 (G-95)	.1050	9	11.00	80.00	.530	57.00	Full Loops	12
.720	4.00	020-024 (G-24)	.1055	26	24.00	12.50	2.120	82.00	Half Loops	12
.740	4.06	020-023 (G-23)	.0625	45	1.50	1.40	6.500	12.00	Full Loops	12
.750	2.59	020-032 (G-32)	.1055	13	12.25	46.00	.810	44.00	Full Loops	12
.750	2.66	020-033 (G-33)	.0800	18.5	2.25	10.30	4.000	47.00	Full Loops	12
.810	10.00	020-002 (G-2)	.0720	119	4.12	0.75	21.000	23.12	Full Loops	3
.870	6.00	*020-029 (G-29)	.1205	38.5	8.00	18.50	2.380	68.20	Half Loops	6
.870	10.00	020-001 (G-1)	.0915	94	4.38	2.50	11.000	30.50	Full Loops	3
1.000	8.50	020-031 (G-31)	.1055	65	9.00	6.00	8.500	41.00	Half Loops	3
1.060	8.00	*020-030 (G-30)	.1350	49	13.00	24.00	5.000	45.00	Half Loops	6
1.120	10.00	*020-100 (G-100)	.1480	59	8.00	14.00	6.000	95.00	Half Loops	6
1.250	12.00	*020-101 (G-101)	.1620	65	31.00	15.00	7.400	112.00	Half Loops	6
1.370	14.00	*020-102 (G-102)	.1770	70	14.00	14.00	8.750	130.00	Half Loops	6
1.560	16.00	*020-103 (G-103)	.2070	70	32.00	16.00	9.000	175.00	Half Loops	6
1.250	7.62	020-104	.2070	26	61.00	94.00	2.468	281.82	Full Loops	2
1.812	8.19	020-105	.2500	22	61.00	68.00	4.189	341.56	Full Loops	2
.297	16.00	020-152	.0410	15.3	2.94	0.69	14.583	12.43	Full Loops	12
.344	16.00	020-153	.0480	15.125	3.19	1.06	14.445	16.72	Full Loops	12
.375	16.00	020-154	.0540	15.31	3.50	1.50	13.724	21.45	Full Loops	12
.422	16.00	020-155	.0630	15.15	5.00	2.25	11.903	29.58	Full Loops	12
.438	16.00	020-156	.0720	15.375	4.08	3.90	9.950	40.97	Full Loops	12

**Springs priced and sold individually, but may also be ordered in a box of this quantity.

MACHINERY BRAKE AND SHEAR SPRINGS

* The following part numbers identify certain standard springs described in the table above that are of oil-tempered carbon steel and specially suited to heavy duty-extension spring use. G - 29, G - 30, G - 99, G - 100, G - 101, G - 102, and G - 103 are flagged with an asterisk to simplify finding them.

