

MUELLES/RESORTES DE COMPRESIÓN CONICOS

Los muelles/resortes cónicos de SPEC son muelles/resortes de compresión con forma cónica diseñados para suministrar una casi constante tasa de compresión y una altura sólida menor que la de un muelle/resorte normal. Cada muelle genera un paso variable para obtener la tasa de compresión constante y unas espiras que se comprimen durante la deflexión para obtener una altura sólida aproximadamente igual a dos diámetros del hilo.

Todos los muelles/resortes se fabrican en acero inoxidable para ser usados en multitud de ambientes diferentes.

MATERIAL

Acero inoxidable tipo 302 según ASTM A313 ó muelle/resorte templado según AMS 5688.

ACABADO

Acabado estándar según la norma ASTM A967

DIRECCIÓN DE LA ESPIRA

A derechas.

EXTREMOS

Extremos refrentados sin rectificar

RATIO DE COMPRESIÓN

El ratio de compresión es lineal debido al paso variable.

ALTURA A BLOQUE

Debido a la compresión de las espiras, la altura a bloque es aproximadamente igual a dos veces el diámetro del hilo.

CLAVES DE CARACTERÍSTICAS

Do (S) = Diámetro exterior (extremo grande)

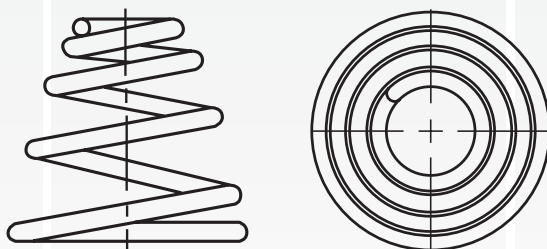
Do (L) = Diámetro exterior (extremo pequeño)

Lo = Longitud libre

P₁ = Carga al 50%

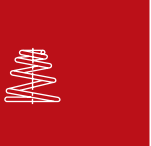
P₂ = Carga a altura bloque

R = Ratio



STOCK CONICAL COMPRESSION SPRINGS

Part Number	Do (L) (mm)	Do (S) (mm)	d (mm)	Lo (mm)	P ₁ (N)	P ₂ (N)	R (N/mm)
A360-029-025	9.14	3.18	0.74	6.35	15.35	23.53	4.83
A420-029-037	10.67	3.96	0.74	9.53	11.12	18.82	2.34
A420-029-031	10.67	4.75	0.74	7.92	10.05	16.37	2.54
A420-029-025	10.67	5.54	0.74	6.35	9.07	13.97	2.87
A420-032-031	10.67	3.96	0.81	7.92	16.15	25.66	4.07
A420-032-025	10.67	4.75	0.81	6.35	14.19	21.08	4.46
A420-035-025	10.67	4.75	0.89	6.35	22.64	32.60	7.14
A480-029-062	12.19	4.75	0.74	15.88	9.56	17.35	1.20
A480-029-050	12.19	5.54	0.74	12.70	8.58	15.12	1.35
A480-029-037	12.19	6.35	0.74	9.53	7.07	12.01	1.49
A480-029-031	12.19	7.14	0.74	7.92	6.81	11.08	1.71
A480-032-062	12.19	3.96	0.81	15.88	15.21	27.27	1.91
A480-032-050	12.19	4.75	0.81	12.70	12.81	22.33	2.02
A480-032-037	12.19	5.54	0.81	9.53	11.39	18.86	2.39
A480-032-031	12.19	6.35	0.81	7.92	10.54	16.81	2.66
A480-035-037	12.19	4.75	0.89	9.53	17.44	28.33	3.66
A480-035-031	12.19	5.54	0.89	7.92	15.48	23.97	3.90
A480-038-031	12.19	4.75	0.97	7.92	22.33	33.80	5.63
A480-038-025	12.19	5.54	0.97	6.35	21.13	29.40	6.66
A600-026-125	15.24	7.92	0.66	31.75	4.45	8.54	0.28
A600-026-100	15.24	8.71	0.66	25.40	3.74	7.03	0.29
A600-026-075	15.24	9.53	0.66	19.05	3.25	6.05	0.34
A600-029-125	15.24	6.35	0.74	31.75	6.94	13.21	0.44
A600-029-100	15.24	7.14	0.74	25.40	6.18	11.61	0.49
A600-029-075	15.24	8.71	0.74	19.05	5.25	9.74	0.55
A600-029-062	15.24	9.53	0.74	15.88	4.98	9.03	0.63
A600-032-075	15.24	7.14	0.81	19.05	8.01	14.68	0.84
A600-032-062	15.24	8.71	0.81	15.88	7.29	13.12	0.92
A600-032-050	15.24	9.53	0.81	12.70	6.81	11.88	1.07
A600-035-075	15.24	5.54	0.89	19.05	12.10	21.93	1.27
A600-035-062	15.24	7.14	0.89	15.88	10.72	19.04	1.35
A600-035-050	15.24	7.92	0.89	12.70	9.61	16.55	1.51
A600-038-062	15.24	6.35	0.97	15.88	15.88	27.89	2.00
A600-038-050	15.24	7.14	0.97	12.70	14.32	24.24	2.26
A600-038-037	15.24	7.92	0.97	9.53	11.65	18.59	2.45
A600-040-062	15.24	5.54	1.02	15.88	20.28	35.36	2.55
A600-040-050	15.24	6.35	1.02	12.70	18.10	30.38	2.85
A600-040-037	15.24	7.92	1.02	9.53	15.83	24.95	3.32
A600-042-050	15.24	5.54	1.07	12.70	22.82	37.94	3.59
A600-042-037	15.24	7.14	1.07	9.53	19.35	30.02	4.06
A600-045-037	15.24	6.35	1.14	9.53	27.09	41.14	5.69
A720-035-125	18.29	8.71	0.89	31.75	9.07	17.17	0.57
A720-035-100	18.29	9.53	0.89	25.40	8.01	14.86	0.63
A720-035-075	18.29	11.13	0.89	19.05	7.21	13.08	0.76
A720-038-125	18.29	7.14	0.97	31.75	13.30	24.95	0.84
A720-038-100	18.29	8.71	0.97	25.40	11.74	21.71	0.93
A720-038-075	18.29	9.53	0.97	19.05	9.74	17.53	1.02
A720-038-062	18.29	11.13	0.97	15.88	9.34	16.41	1.18
A720-040-100	18.29	7.14	1.02	25.40	14.72	27.04	1.16
A720-040-075	18.29	8.71	1.02	19.05	12.28	21.88	1.29
A720-040-062	18.29	9.53	1.02	15.88	10.90	18.99	1.37
A720-040-050	18.29	11.13	1.02	12.70	10.54	17.70	1.66
A720-042-100	18.29	7.14	1.07	25.40	18.64	34.12	1.47
A720-042-075	18.29	8.71	1.07	19.05	15.30	27.18	1.61
A720-042-062	18.29	9.53	1.07	15.88	14.46	25.00	1.82
A720-045-075	18.29	7.14	1.14	19.05	21.48	37.76	2.25
A720-045-062	18.29	8.71	1.14	15.88	19.35	33.09	2.44
A720-045-050	18.29	9.53	1.14	12.70	17.30	28.33	2.72
A720-049-062	18.29	7.14	1.24	15.88	28.73	48.48	3.62
A720-049-050	18.29	8.71	1.24	12.70	25.49	40.97	4.01
A720-049-037	18.29	9.53	1.24	9.53	21.53	31.80	4.52
A720-055-050	18.29	7.14	1.40	12.70	45.01	70.19	7.09
A720-055-037	18.29	7.92	1.40	9.53	37.10	52.40	7.79
A850-042-150	21.59	8.71	1.07	38.10	13.70	25.89	0.72
A850-042-125	21.59	9.53	1.07	31.75	12.01	22.42	0.76
A850-042-100	21.59	11.13	1.07	25.40	10.45	19.17	0.82
A850-042-075	21.59	14.22	1.07	19.05	10.50	18.64	1.10
A850-045-150	21.59	8.71	1.14	38.10	18.64	35.05	0.98
A850-045-125	21.59	9.53	1.14	31.75	16.68	30.96	1.05
A850-045-100	21.59	11.13	1.14	25.40	14.59	26.55	1.15
A850-045-075	21.59	12.70	1.14	19.05	13.34	23.44	1.40



STOCK CONICAL COMPRESSION SPRINGS

Part Number	Do (L) (mm)	Do (S) (mm)	d (mm)	Lo (mm)	P ₁ (N)	P ₂ (N)	R (N/mm)
A850-049-125	21.59	7.92	1.24	31.75	25.26	46.57	1.59
A850-049-075	21.59	11.13	1.24	19.05	18.95	32.92	1.99
A850-049-062	21.59	12.70	1.24	15.88	17.97	30.34	2.26
A850-055-100	21.59	7.14	1.40	25.40	37.81	67.34	2.98
A850-055-075	21.59	8.71	1.40	19.05	31.94	54.49	3.35
A850-055-062	21.59	11.13	1.40	15.88	29.27	48.22	3.69
A850-059-075	21.59	7.92	1.50	19.05	44.48	74.95	4.67
A850-059-062	21.59	9.53	1.50	15.88	39.41	63.92	4.97
A850-063-062	21.59	7.92	1.60	15.88	54.35	86.78	6.84
A850-063-050	21.59	9.53	1.60	12.70	49.33	73.84	7.76
A850-067-050	21.59	9.53	1.70	12.70	66.05	96.70	10.41
A975-049-150	24.77	11.13	1.24	38.10	17.26	32.29	0.91
A975-049-125	24.77	12.70	1.24	31.75	15.83	29.18	1.00
A975-049-100	24.77	14.22	1.24	25.40	14.63	26.38	1.15
A975-049-075	24.77	15.88	1.24	19.05	13.03	22.64	1.37
A975-055-150	24.77	9.53	1.40	38.10	30.60	56.76	1.61
A975-055-125	24.77	11.13	1.40	31.75	27.09	49.37	1.71
A975-055-100	24.77	12.70	1.40	25.40	24.02	42.75	1.89
A975-055-075	24.77	14.22	1.40	19.05	21.48	36.65	2.25
A975-059-125	24.77	8.71	1.50	31.75	37.67	68.23	2.37
A975-059-100	24.77	11.13	1.50	25.40	32.92	58.09	2.59
A975-059-075	24.77	12.70	1.50	19.05	28.65	48.26	3.01
A975-063-100	24.77	8.71	1.60	25.40	44.57	77.88	3.51
A975-063-075	24.77	11.13	1.60	19.05	38.21	63.56	4.01
A975-067-075	24.77	9.53	1.70	19.05	50.89	83.53	5.34
A975-067-062	24.77	11.13	1.70	15.88	45.68	71.79	5.75
A975-072-075	24.77	9.53	1.83	19.05	71.66	115.78	7.53
A975-072-062	24.77	11.13	1.83	15.88	66.05	101.64	8.32
A975-074-062	24.77	11.13	1.88	15.88	74.95	114.36	9.44

