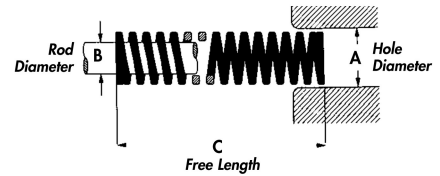




MEDIUM LOAD

Vacuum degassed,
valve spring quality alloy steel



Sizes: 10 to 16 mm

Colour: Blue

Hole Dia. mm	Rod Dia. mm	Free Length mm	CATALOGUE NUMBER	RATE Deka- Newtons (daN) Required to Deflect 1 mm	LOAD - DEFLECTION TABLE							
					Total Deflection Recommended for Long Life (25% of C)		Total Deflection Recommended for Average Life (30% of C)		Maximum Operating Deflection (37.5% of C)		Total Travel to Solid	
					Load daN	Deflection mm	Load daN	Deflection mm	Load daN	Deflection imm	Load daN	Deflection mm
Round Wire Construction												
10	5	25	9 - 0604 - 210	1.25	7.8	6.3	9.4	7.5	11.7	9.4	13.8	11
		32	9 - 0605 - 210	0.97	7.8	8.0	9.3	9.6	11.6	12	12.6	13
		38	9 - 0606 - 210	0.78	7.4	9.5	8.9	11	11.1	14	12.5	16
		44	9 - 0607 - 210	0.66	7.3	11	8.8	13	11.0	17	12.6	19
		51	9 - 0608 - 210	0.57	7.3	13	8.8	15	11.0	19	12.0	21
		64	9 - 0610 - 210	0.45	7.2	16	8.7	19	10.8	24	12.2	27
		76	9 - 0612 - 210	0.37	7.0	19	8.4	23	10.5	29	12.2	33
		305	9 - 0648 - 210	0.09	6.8	76	8.2	92	10.2	114	12.1	136
12.5	6.3	25	9 - 0804 - 210	2.28	14.2	6.3	17.1	7.5	21.3	9.4	25.0	11
		32	9 - 0805 - 210	1.75	14.0	8.0	16.8	9.6	21.0	12	22.7	13
		38	9 - 0806 - 210	1.42	13.5	9.5	16.2	11	20.2	14	22.7	16
		44	9 - 0807 - 210	1.17	12.9	11	15.4	13	19.3	17	22.2	19
		51	9 - 0808 - 210	1.01	12.9	13	15.5	15	19.3	19	22.2	22
		64	9 - 0810 - 210	0.79	12.7	16	15.2	19	19.0	24	22.2	28
		76	9 - 0812 - 210	0.65	12.3	19	14.8	23	18.5	29	22.1	34
		89	9 - 0814 - 210	0.57	12.7	22	15.2	27	19.0	33	23.3	41
305	9 - 0848 - 210	0.16	12.2	76	14.6	92	18.3	114	23.0	144		
16	8	25	9 - 1004 - 210	3.38	21.1	6.3	25.4	7.5	31.7	9.4	37.2	11
		32	9 - 1005 - 210	2.51	20.1	8.0	24.1	9.6	30.1	12	32.6	13
		38	9 - 1006 - 210	2.01	19.1	9.5	23.0	11	28.7	14	32.2	16
		44	9 - 1007 - 210	1.67	18.4	11	22.0	13	27.6	17	31.7	19
		51	9 - 1008 - 210	1.42	18.1	13	21.7	15	27.1	19	29.8	21
		64	9 - 1010 - 210	1.10	17.5	16	21.0	19	26.3	24	29.6	27
		76	9 - 1012 - 210	0.89	17.0	19	20.4	23	25.5	29	29.5	33
		89	9 - 1014 - 210	0.76	16.9	22	20.3	27	25.4	33	29.6	39
102	9 - 1016 - 210	0.67	17.1	26	20.5	31	25.6	38	30.2	45		
305	9 - 1048 - 210	0.21	16.0	76	19.2	92	24.0	114	29.0	138		
Rectangular Wire Construction												
10	5	25	9 - 0604 - 215	1.60	10.0	6.3	12.0	7.5	15.0	9.4	17.6	11
		32	9 - 0605 - 215	1.30	10.4	8.0	12.5	9.6	15.6	12	23.4	18
		38	9 - 0606 - 215	1.19	11.3	9.5	13.6	11	17.0	14	23.8	20
		44	9 - 0607 - 215	1.03	11.3	11	13.6	13	17.0	17	22.7	22
		51	9 - 0608 - 215	0.89	11.3	13	13.6	15	17.0	19	23.1	26
		64	9 - 0610 - 215	0.75	12.0	16	14.4	19	18.0	24	24.0	32
		76	9 - 0612 - 215	0.53	10.1	19	12.1	23	15.1	29	20.1	38
		305	9 - 0648 - 215	0.16	12.2	76	14.6	92	18.3	114	23.8	149
12.5	6.3	25	9 - 0804 - 215	3.00	18.8	6.3	22.5	7.5	28.1	9.4	39.0	13
		32	9 - 0805 - 215	2.48	19.8	8.0	23.8	9.6	29.8	12	44.6	18
		38	9 - 0806 - 215	2.14	20.3	9.5	24.4	11	30.5	14	42.8	20
		44	9 - 0807 - 215	1.85	20.4	11	24.4	13	30.5	17	44.4	24
		51	9 - 0808 - 215	1.55	19.8	13	23.7	15	29.6	19	43.4	28
		64	9 - 0810 - 215	1.21	19.4	16	23.2	19	29.0	24	42.4	35
		76	9 - 0812 - 215	1.02	19.4	19	23.3	23	29.1	29	41.8	41
		89	9 - 0814 - 215	0.84	18.7	22	22.4	27	28.0	33	41.2	49
305	9 - 0848 - 215	0.21	16.0	76	19.2	92	24.0	114	31.3	149		
16	8	25	9 - 1004 - 215	4.94	30.9	6.3	37.1	7.5	46.3	9.4	59.3	12
		32	9 - 1005 - 215	3.71	29.7	8.0	35.6	9.6	44.5	12	55.7	15
		38	9 - 1006 - 215	3.39	32.2	9.5	38.6	11	48.3	14	64.4	19
		44	9 - 1007 - 215	3.00	33.0	11	39.6	13	49.5	17	63.0	21
		51	9 - 1008 - 215	2.64	33.7	13	40.4	15	50.5	19	66.0	25
		64	9 - 1010 - 215	2.05	32.8	16	39.4	19	49.2	24	65.6	32
		76	9 - 1012 - 215	1.78	33.8	19	40.6	23	50.7	29	69.4	39
		89	9 - 1014 - 215	1.52	33.8	22	40.6	27	50.7	33	68.4	45
102	9 - 1016 - 215	1.35	34.4	26	41.3	31	51.6	38	71.6	53		
305	9 - 1048 - 215	0.48	36.6	76	43.9	92	54.9	114	72.0	150		

Hole Dia. mm	Rod Dia. mm	Free Length mm	CATALOGUE NUMBER	RATE Deka- Newtons (daN) Required to Deflect 1 mm	LOAD - DEFLECTION TABLE							
					Total Deflection Recommended for Long Life (25% of C)		Total Deflection Recommended for Average Life (30% of C)		Maximum Operating Deflection (37.5% of C)		Total Travel to Solid	
					Load daN	Deflection mm	Load daN	Deflection mm	Load daN	Deflection mm	Load daN	Deflection mm
20	10	25	9 - 1204 - 210	9.03	56.4	6.3	67.7	7.5	84.7	9.4	99.3	11
		32	9 - 1205 - 210	6.83	54.6	8.0	65.6	9.6	82.0	12	88.8	13
		38	9 - 1206 - 210	5.51	52.3	9.5	62.8	11	78.5	14	88.2	16
		44	9 - 1207 - 210	4.50	49.5	11	59.4	13	74.3	17	85.5	19
		51	9 - 1208 - 210	3.89	49.6	13	59.5	15	74.4	19	81.7	21
		64	9 - 1210 - 210	3.04	48.6	16	58.4	19	73.0	24	82.1	27
		76	9 - 1212 - 210	2.48	47.1	19	56.5	23	70.7	29	81.8	33
		89	9 - 1214 - 210	2.13	47.3	22	56.9	27	71.1	33	83.1	39
		102	9 - 1216 - 210	1.86	47.4	26	56.8	31	71.0	38	81.7	44
		115	9 - 1218 - 210	1.63	46.9	29	56.3	35	70.4	43	80.0	49
		127	9 - 1220 - 210	1.47	46.7	32	56.0	38	70.0	48	80.9	55
		140	9 - 1222 - 210	1.33	46.6	35	55.9	42	69.8	53	81.1	61
		152	9 - 1224 - 210	1.20	45.6	38	54.7	46	68.4	57	79.2	66
		305	9 - 1248 - 210	0.61	46.2	76	55.4	92	69.3	114	82.4	136
25	12.5	25	9 - 1604 - 210	15.1	94.2	6.3	113	7.5	141	9.4	166	11
		32	9 - 1605 - 210	11.9	94.8	8.0	114	9.6	142	12	154	13
		38	9 - 1606 - 210	9.34	88.7	9.5	106	11	133	14	149	16
		44	9 - 1607 - 210	8.32	91.5	11	110	13	137	17	158	19
		51	9 - 1608 - 210	6.89	87.8	13	105	15	132	19	145	21
		64	9 - 1610 - 210	5.32	85.1	16	102	19	128	24	144	27
		76	9 - 1612 - 210	4.33	82.3	19	98.7	23	123	29	143	33
		89	9 - 1614 - 210	3.80	84.6	22	101	27	127	33	148	39
		102	9 - 1616 - 210	3.30	84.2	26	101	31	126	38	145	44
		115	9 - 1618 - 210	2.93	84.2	29	101	35	126	43	147	50
		127	9 - 1620 - 210	2.64	83.8	32	101	38	126	48	148	56
		140	9 - 1622 - 210	2.38	83.3	35	100	42	125	53	150	63
		152	9 - 1624 - 210	2.18	82.8	38	99.4	46	124	57	146	67
		178	9 - 1628 - 210	1.85	82.3	45	98.8	53	123	67	146	79
		203	9 - 1632 - 210	1.60	81.0	51	97.2	61	121	76	144	90
		305	9 - 1648 - 210	1.05	79.7	76	95.7	92	120	114	141	135
32	16	38	9 - 2006 - 210	16.6	158	9.5	189	11	237	14	266	16
		44	9 - 2007 - 210	13.6	150	11	180	13	225	17	259	19
		51	9 - 2008 - 210	11.6	148	13	177	15	222	19	244	21
		64	9 - 2010 - 210	8.76	140	16	168	19	210	24	237	27
		76	9 - 2012 - 210	7.10	135	19	162	23	202	29	227	32
		89	9 - 2014 - 210	5.99	133	22	160	27	200	33	222	37
		102	9 - 2016 - 210	5.19	132	26	159	31	199	38	223	43
		115	9 - 2018 - 210	4.61	132	29	159	35	199	43	226	49
		127	9 - 2020 - 210	4.15	132	32	158	38	198	48	228	55
		140	9 - 2022 - 210	3.75	131	35	157	42	197	53	225	60
		152	9 - 2024 - 210	3.39	129	38	155	46	193	57	224	66
		178	9 - 2028 - 210	2.91	129	45	155	53	194	67	224	77
		203	9 - 2032 - 210	2.52	128	51	154	61	192	76	222	88
		254	9 - 2040 - 210	1.99	126	64	152	76	190	95	219	110
		305	9 - 2048 - 210	1.66	127	76	152	92	190	114	221	133
40	20	51	9 - 2408 - 210	17.1	218	13	261	15	326	19	358	21
		64	9 - 2410 - 210	12.9	206	16	247	19	309	24	335	26
		76	9 - 2412 - 210	10.5	200	19	240	23	300	29	337	32
		89	9 - 2414 - 210	8.79	196	22	235	27	293	33	325	37
		102	9 - 2416 - 210	7.61	194	26	233	31	291	38	327	43
		115	9 - 2418 - 210	6.65	191	29	230	35	287	43	319	48
		127	9 - 2420 - 210	5.94	189	32	226	38	283	48	321	54
		140	9 - 2422 - 210	5.36	188	35	225	42	281	53	316	59
		152	9 - 2424 - 210	4.91	187	38	224	46	280	57	319	65
		178	9 - 2428 - 210	4.15	185	45	222	53	277	67	315	76
		203	9 - 2432 - 210	3.62	184	51	220	61	276	76	315	87
		254	9 - 2440 - 210	2.90	184	64	221	76	276	95	319	110
		305	9 - 2448 - 210	2.37	181	76	217	92	271	114	310	131
50	25	64	9 - 3210 - 210	21.2	339	16	406	19	508	24	572	27
		76	9 - 3212 - 210	16.8	318	19	382	23	477	29	536	32
		89	9 - 3214 - 210	14.0	312	22	375	27	469	33	519	37
		102	9 - 3216 - 210	12.2	310	26	372	31	465	38	523	43
		115	9 - 3218 - 210	10.7	308	29	369	35	462	43	525	49
		127	9 - 3220 - 210	9.46	300	32	360	38	450	48	511	54
		140	9 - 3222 - 210	8.54	299	35	359	42	448	53	504	59
		152	9 - 3224 - 210	7.81	297	38	356	46	445	57	516	66
		178	9 - 3228 - 210	6.64	295	45	354	53	443	67	511	77
		203	9 - 3232 - 210	5.75	292	51	350	61	438	76	506	88
		229	9 - 3236 - 210	5.08	291	57	349	69	436	86	508	100
		254	9 - 3240 - 210	4.58	291	64	349	76	436	95	536	117
		305	9 - 3248 - 210	3.88	296	76	355	92	444	114	520	134
63	38	76	9 - 4012 - 210	30.4	578	19	693	23	867	29	973	32
		89	9 - 4014 - 210	25.0	556	22	667	27	833	33	949	38
		102	9 - 4016 - 210	21.2	540	26	648	31	810	38	931	44
		115	9 - 4018 - 210	18.6	535	29	642	35	802	43	930	50
		127	9 - 4020 - 210	16.4	521	32	626	38	782	48	920	56
		152	9 - 4024 - 210	13.3	504	38	605	46	756	57	889	67
		178	9 - 4028 - 210	11.2	497	45	596	53	745	67	870	78
		203	9 - 4032 - 210	9.62	488	51	586	61	732	76	866	90
		229	9 - 4036 - 210	8.53	488	57	586	69	733	86	870	102
		254	9 - 4040 - 210	7.67	487	64	584	76	731	95	882	115
		305	9 - 4048 - 210	6.34	483	76	580	92	725	114	875	138