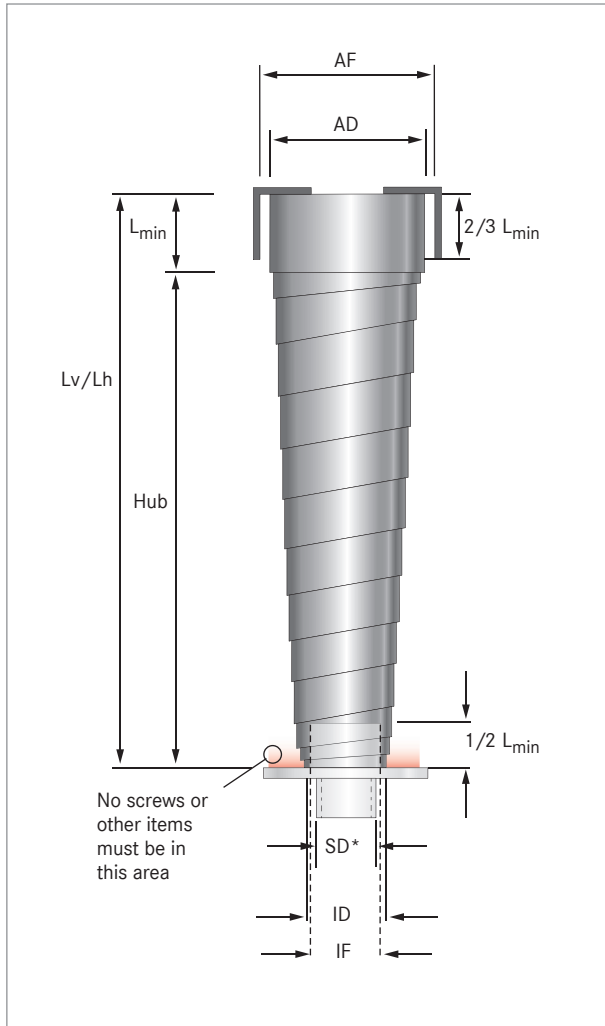


DURASPRING SPIRAL SPRINGS



Legend

SD	Maximum outside diameter of the part to be covered *value is reduced by 6 mm when using flanges
ID	Inside diameter of spiral spring (±1 mm)
AD	Outside diameter of spiral spring (±2 mm)
Lh	Max. extension length for horizontal installation position
Lv	Max. extension length for vertical installation position
BB	Band width, corresponds to L _{min}
SILVER	sizes also in DURASPRING Silver available
na	not available

Caculae for flanges

Centering flange (deliverable on demand):

AF	Interior diameter of the larger centering flange AD + 4mm
IF	Outer diameter of the smaller centering flange ID - 2mm
Option	through-boring of the flange SD + 2mm

DURASPRING		SD* [mm]	ID [mm]	AD [mm]	Lh [mm]	Lv [mm]	BB [mm]
15-70-20		11	15	22	na	70	20
15-100-20		11	15	22	60	100	20
15-120-20		11	15	22	90	120	20
15-150-20		11	15	28	110	150	20
15-200-20		11	15	31	160	200	20
15-300-20		11	15	32	260	300	20
20-100-20		16	20	30	60	100	20
20-150-20	SILVER	16	20	33	110	150	20
20-200-20	SILVER	16	20	36	160	200	20
20-250-20	SILVER	16	20	39	210	250	20
20-300-20	SILVER	16	20	41	260	300	20
20-250-30		16	20	36	210	250	30
20-300-30	SILVER	16	20	39	260	300	30
20-350-30	SILVER	16	20	41	310	350	30
20-400-30	SILVER	16	20	43	360	400	30
20-400-40		16	20	35	360	400	40
20-450-40		16	20	41	410	450	40
20-500-40	SILVER	16	20	48	460	500	40
25-100-20	SILVER	21	25	36	60	100	20
25-150-20	SILVER	21	25	38	110	150	20
25-200-20	SILVER	21	25	40	160	200	20
25-250-20	SILVER	21	25	44	210	250	20
25-300-20		21	25	46	260	300	20
25-300-30	SILVER	21	25	42	240	300	30
25-350-30	SILVER	21	25	45	290	350	30
25-400-30		21	25	48	340	400	30
25-450-30		21	25	49	390	450	30
25-450-40	SILVER	21	25	48	370	450	40
25-500-40	SILVER	21	25	49	420	500	40
25-450-50		21	25	41	390	450	50
25-550-50	SILVER	21	25	43	490	550	50
25-600-50		21	25	44	540	600	50
25-650-50	SILVER	21	25	45	590	650	50
25-750-50		21	25	47	690	750	50
25-900-50	SILVER	21	25	57	840	900	50
30-150-30		26	30	39	90	150	30
30-200-30	SILVER	26	30	42	140	200	30
30-250-30	SILVER	26	30	44	190	250	30
30-300-30	SILVER	26	30	46	240	300	30
30-350-30	SILVER	26	30	49	290	350	30
30-400-30	SILVER	26	30	50	340	400	30
30-450-30		26	30	53	390	450	30
30-450-40		26	30	53	370	450	40
30-500-40	SILVER	26	30	55	440	500	40
30-550-40	SILVER	26	30	58	490	550	40
30-600-40		26	30	58	540	600	40
30-650-40		26	30	60	590	650	40
30-700-40	SILVER	26	30	64	640	700	40
30-150-50	SILVER	26	30	40	90	150	50
30-250-50	SILVER	26	30	42	190	250	50
30-350-50		26	30	45	290	350	50

Standard sizes, other sizes on request.

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DURASPRING	SD* [mm]	ID [mm]	AD [mm]	Lh [mm]	Lv [mm]	BB [mm]
30-450-50 SILVER	26	30	46	390	450	50
30-550-50 SILVER	26	30	48	490	550	50
30-650-50 SILVER	26	30	55	590	650	50
30-750-50 SILVER	26	30	58	690	750	50
30-650-60	26	30	58	590	650	60
30-750-60 SILVER	26	30	55	690	750	60
30-900-60	26	30	58	840	900	60
30-1000-60	26	30	60	940	1000	60
35-100-20	31	35	45	60	100	20
35-100-30	31	35	44	60	100	30
35-150-30 SILVER	31	35	48	90	150	30
35-200-30 SILVER	31	35	50	140	200	30
35-250-30	31	35	52	190	250	30
35-300-30 SILVER	31	35	55	240	300	30
35-350-30 SILVER	31	35	61	290	350	30
35-400-30 SILVER	31	35	63	340	400	30
35-300-40 SILVER	31	35	48	240	300	40
35-350-40 SILVER	31	35	50	290	350	40
35-400-40 SILVER	31	35	54	340	400	40
35-450-40 SILVER	31	35	58	390	450	40
35-500-40	31	35	60	440	500	40
35-550-40	31	35	62	490	550	40
35-350-50	31	35	51	290	350	50
35-400-50 SILVER	31	35	52	340	400	50
35-450-50	31	35	54	390	450	50
35-500-50 SILVER	31	35	55	440	500	50
35-550-50 SILVER	31	35	57	na	550	50
35-650-50 SILVER	31	35	60	590	650	50
35-750-50 SILVER	31	35	64	690	750	50
35-850-50	31	35	65	790	850	50
35-450-60	31	35	53	390	450	60
35-550-60	31	35	56	490	550	60
35-650-60 SILVER	31	35	59	590	650	60
35-750-60	31	35	60	690	750	60
35-850-60 SILVER	31	35	65	790	850	60
35-550-75	31	35	54	490	550	75
35-650-75	31	35	55	590	650	75
35-750-75	31	35	57	690	750	75
35-850-75 SILVER	31	35	59	790	850	75
40-150-30 SILVER	36	40	51	90	150	30
40-250-30 SILVER	36	40	56	190	250	30
40-350-30 SILVER	36	40	60	290	350	30
40-450-30 SILVER	36	40	64	390	450	30
40-350-40	36	40	61	290	350	40
40-400-40	36	40	63	340	400	40
40-450-40 SILVER	36	40	64	390	450	40
40-500-40 SILVER	36	40	65	440	500	40
40-550-40 SILVER	36	40	68	490	550	40
40-350-50 SILVER	36	40	56	250	350	50
40-450-50 SILVER	36	40	59	350	450	50
40-550-50 SILVER	36	40	61	450	550	50

Standard sizes, other sizes on request.

DURASPRING	SD* [mm]	ID [mm]	AD [mm]	Lh [mm]	Lv [mm]	BB [mm]
40-650-50 SILVER	36	40	65	550	650	50
40-750-50 SILVER	36	40	69	650	750	50
40-850-50 SILVER	36	40	71	750	850	50
40-350-60	36	40	55	230	350	60
40-450-60 SILVER	36	40	58	450	450	60
40-550-60 SILVER	36	40	59	430	550	60
40-650-60 SILVER	36	40	62	530	650	60
40-750-60 SILVER	36	40	66	630	750	60
40-900-60 SILVER	36	40	70	780	900	60
40-650-75	36	40	63	500	650	75
40-750-75 SILVER	36	40	66	600	750	75
40-900-75 SILVER	36	40	71	750	900	75
40-1100-75	36	40	78	950	1100	75
40-1300-75 SILVER	36	40	84	1150	1300	75
40-1500-75 SILVER	36	40	90	na	1500	75
40-1000-100 SILVER	36	40	68	800	1000	100
40-1200-100 SILVER	36	40	71	1000	1200	100
40-1300-100	36	40	75	1100	1300	100
40-1400-100	36	40	76	1200	1400	100
40-1500-100 SILVER	36	40	78	1300	1500	100
40-1600-100	36	40	81	1400	1600	100
40-1800-100	36	40	82	1600	1800	100
40-1800-120	36	40	82	1560	1800	120
40-2000-120	36	40	86	1760	2000	120
40-2200-120	36	40	90	na	2200	120
45-150-30	41	45	56	90	150	30
45-250-30 SILVER	41	45	61	190	250	30
45-350-30 SILVER	41	45	65	290	350	30
45-400-30	41	45	66	340	400	30
45-350-40	41	45	65	290	350	40
45-400-40	41	45	68	340	400	40
45-450-40 SILVER	41	45	69	390	450	40
45-450-50	41	45	66	350	450	50
45-550-50 SILVER	41	45	68	450	550	50
45-650-50 SILVER	41	45	75	550	650	50
45-350-60	41	45	63	230	350	60
45-450-60 SILVER	41	45	65	330	450	60
45-550-60	41	45	65	430	550	60
45-650-60	41	45	69	530	650	60
45-700-60 SILVER	41	45	70	630	700	60
45-650-75 SILVER	41	45	67	500	650	75
45-750-75	41	45	76	600	750	75
45-900-75 SILVER	41	45	78	750	900	75
45-1100-75 SILVER	41	45	84	950	1100	75
45-1200-75	41	45	86	1150	1200	75
45-1300-75	41	45	89	na	1300	75
45-1000-100	41	45	71	800	1000	100
45-1200-100	41	45	75	1000	1200	100
45-1300-100	41	45	79	1100	1300	100
45-1400-100	41	45	81	1200	1400	100
45-1500-100	41	45	83	1300	1500	100

Standard sizes, other sizes on request.

DURASPRING SPIRAL SPRINGS

DURASPRING	SD* [mm]	ID [mm]	AD [mm]	Lh [mm]	Lv [mm]	BB [mm]
45-1600-100	41	45	87	1400	1600	100
45-1800-100	41	45	87	na	1800	100
45-1800-120	41	45	87	1560	1800	120
45-2000-120	41	45	91	1760	2000	120
45-2200-120 SILVER	41	45	100	na	2200	120
50-150-30 SILVER	46	50	63	90	150	30
50-250-30 SILVER	46	50	68	190	250	30
50-350-30 SILVER	46	50	73	290	350	30
50-250-50 SILVER	46	50	62	150	250	50
50-350-50 SILVER	46	50	66	250	350	50
50-450-50 SILVER	46	50	70	350	450	50
50-550-50 SILVER	46	50	73	450	550	50
50-650-50 SILVER	46	50	76	550	650	50
50-350-60 SILVER	46	50	66	230	350	60
50-450-60	46	50	65	330	450	60
50-550-60 SILVER	46	50	68	430	550	60
50-600-60 SILVER	46	50	72	480	600	60
50-650-60	46	50	73	530	650	60
50-750-60 SILVER	46	50	80	630	750	60
50-900-60	46	50	81	780	900	60
50-750-75 SILVER	46	50	78	600	750	75
50-900-75 SILVER	46	50	84	750	900	75
50-1100-75	46	50	90	950	1100	75
50-1200-75	46	50	94	1050	1200	75
50-1100-100 SILVER	46	50	77	900	1100	100
50-1300-100	46	50	80	1100	1300	100
50-1500-100 SILVER	46	50	88	1300	1500	100
50-1600-100	46	50	89	1400	1600	100
50-1700-100	46	50	91	na	1700	100
50-1800-100 SILVER	46	50	94	na	1800	100
50-1700-120	46	50	91	1460	1700	120
50-1900-120 SILVER	46	50	96	1660	1900	120
50-2100-120 SILVER	46	50	100	1860	2100	120
50-2300-120	46	50	105	na	2300	120
50-2500-120	46	50	115	na	2500	120
50-2800-120	46	50	118	na	2800	120
50-2500-150	46	50	116	2200	2500	150
50-2800-150	46	50	118	2500	2800	150
50-3000-150	46	50	123	2500	3000	150
50-3000-180	46	50	123	2640	3000	180
50-3250-180	46	50	128	na	3250	180
50-3250-200	46	50	128	2850	3250	200
50-3500-200	46	50	134	na	3500	200
55-150-30 SILVER	51	55	67	90	150	30
55-250-30 SILVER	51	55	73	190	250	30
55-300-40	51	55	71	220	300	40
55-450-40 SILVER	51	55	76	370	450	40
55-250-50 SILVER	51	55	66	150	250	50
55-350-50 SILVER	51	55	71	250	350	50
55-450-50 SILVER	51	55	74	350	450	50
55-550-50 SILVER	51	55	78	450	550	50

Standard sizes, other sizes on request.

DURASPRING	SD* [mm]	ID [mm]	AD [mm]	Lh [mm]	Lv [mm]	BB [mm]
55-650-50	51	55	80	450	650	50
55-550-60 SILVER	51	55	75	430	550	60
55-650-60 SILVER	51	55	79	530	650	60
55-750-60 SILVER	51	55	83	630	750	60
55-800-60	51	55	86	680	800	60
55-900-60 SILVER	51	55	89	780	900	60
55-1000-60 SILVER	51	55	92	na	1000	60
55-600-75 SILVER	51	55	80	450	600	75
55-750-75 SILVER	51	55	83	600	750	75
55-900-75 SILVER	51	55	89	750	900	75
55-1100-75 SILVER	51	55	94	950	1100	75
55-1100-100	51	55	85	900	1100	100
55-1300-100	51	55	89	1100	1300	100
55-1500-100	51	55	94	1300	1500	100
55-1800-100 SILVER	51	55	102	1600	1800	100
55-1300-120	51	55	92	1060	1300	120
55-1500-120	51	55	94	1260	1500	120
55-1700-120	51	55	96	1460	1700	120
55-1900-120	51	55	100	1660	1900	120
55-2100-120	51	55	105	1860	2100	120
55-2300-120 SILVER	51	55	110	2060	2300	120
55-2500-120	51	55	116	2200	2500	120
55-2800-120	51	55	123	2500	2800	120
55-2500-150	51	55	118	2200	2500	150
55-2800-150	51	55	121	2500	2800	150
55-3000-150	51	55	126	na	3000	150
55-3500-150	51	55	130	2500	3500	150
55-2800-180	51	55	114	2500	2800	180
55-3000-180	51	55	126	2640	3000	180
55-3250-180	51	55	130	2500	3250	180
55-3500-200	51	55	137	na	3500	180
60-150-30 SILVER	56	60	73	90	150	30
60-250-30 SILVER	56	60	78	190	250	30
60-250-50 SILVER	56	60	73	150	250	50
60-350-50 SILVER	56	60	78	250	350	50
60-450-50 SILVER	56	60	82	350	450	50
60-550-50	56	60	85	450	550	50

Standard sizes, other sizes on request.

Legend

SD	Maximum outside diameter of the part to be covered *value is reduced by 6 mm when using flanges
ID	Inside diameter of spiral spring (± 1 mm)
AD	Outside diameter of spiral spring (± 2 mm)
Lh	Max. extension length for horizontal installation position
Lv	Max. extension length for vertical installation position
BB	Band width, corresponds to L_{min}
SILVER	sizes also in DURASPRING Silver available
na	not available

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DURASPRING		SD* [mm]	ID [mm]	AD [mm]	Lh [mm]	Lv [mm]	BB [mm]
60-450-60	SILVER	56	60	78	430	450	60
60-550-60	SILVER	56	60	81	430	550	60
60-650-60	SILVER	56	60	85	530	650	60
60-750-60	SILVER	56	60	89	630	750	60
60-800-60		56	60	96	680	800	60
60-900-60	SILVER	56	60	98	na	900	60
60-750-75	SILVER	56	60	89	600	750	75
60-900-75	SILVER	56	60	95	750	900	75
60-1100-75	SILVER	56	60	102	950	1100	75
60-1300-75		56	60	104	1150	1300	75
60-900-100		56	60	85	700	900	100
60-1100-100	SILVER	56	60	90	900	1100	100
60-1300-100		56	60	94	1100	1300	100
60-1500-100	SILVER	56	60	100	1300	1500	100
60-1800-100		56	60	109	1600	1800	100
60-1700-120		56	60	101	1460	1700	120
60-1900-120		56	60	104	1660	1900	120
60-2100-120	SILVER	56	60	108	1860	2100	120
60-2300-120		56	60	114	2060	2300	120
60-2500-120		56	60	118	2300	2500	120
60-2800-120		56	60	126	2500	2800	120
60-2500-150	SILVER	56	60	118	2300	2500	150
60-2800-150		56	60	123	2500	2800	150
60-3000-150		56	60	128	na	3000	150
60-3500-150		56	60	138	na	3500	150
60-3000-180		56	60	126	2640	3000	180
60-3250-180		56	60	132	na	3250	180
60-3250-200		56	60	132	2850	3250	200
60-3500-200		56	60	139	na	3500	200
65-100-30		61	65	76	90	100	30
65-150-30	SILVER	61	65	78	90	150	30
65-250-30	SILVER	61	65	85	190	250	30
65-250-50	SILVER	61	65	76	150	250	50
65-350-50	SILVER	61	65	84	250	350	50
65-450-50	SILVER	61	65	88	350	450	50
65-550-50	SILVER	61	65	92	450	550	50
65-500-60	SILVER	61	65	86	380	500	60
65-550-60	SILVER	61	65	88	430	550	60
65-650-60	SILVER	61	65	93	530	650	60
65-700-60	SILVER	61	65	94	580	700	60
65-750-60	SILVER	61	65	95	630	750	60
65-800-60	SILVER	61	65	98	680	800	60
65-900-60		61	65	103	780	900	60
65-750-75	SILVER	61	65	93	600	750	75
65-800-75	SILVER	61	65	96	650	800	75
65-900-75	SILVER	61	65	99	750	900	75
65-1100-75	SILVER	61	65	107	900	1100	75
65-1300-75		61	65	111	1100	1300	75
65-1500-75	SILVER	61	65	115	na	1500	75
65-1000-100	SILVER	61	65	91	800	1000	100
65-1100-100	SILVER	61	65	95	900	1100	100

Standard sizes, other sizes on request.

DURASPRING		SD* [mm]	ID [mm]	AD [mm]	Lh [mm]	Lv [mm]	BB [mm]
65-1300-100	SILVER	61	65	99	1100	1300	100
65-1500-100	SILVER	61	65	108	1300	1500	100
65-1700-100	SILVER	61	65	113	na	1700	100
65-1800-100	SILVER	61	65	119	1600	1800	100
65-1500-120	SILVER	61	65	100	1260	1500	120
65-1700-120		61	65	106	1460	1700	120
65-1900-120	SILVER	61	65	109	1660	1900	120
65-2100-120	SILVER	61	65	113	1860	2100	120
65-2300-120		61	65	118	2060	2300	120
65-2500-120	SILVER	61	65	128	2300	2500	120
65-2800-120		61	65	134	2500	2800	120
65-2400-150		61	65	120	2100	2400	150
65-2800-150		61	65	132	2500	2800	150
65-3000-150		61	65	142	2500	3000	150
65-3000-180		61	65	136	2640	3000	180
65-3250-180		61	65	145	na	3250	180
65-3250-200		61	65	138	2850	3250	200
65-3500-200		61	65	148	na	3500	200
70-150-30	SILVER	66	70	85	90	150	30
70-250-30	SILVER	66	70	93	190	250	30
70-350-30		66	70	99	290	350	30
70-250-50	SILVER	66	70	85	150	250	50
70-350-50	SILVER	66	70	89	250	350	50
70-450-50	SILVER	66	70	94	350	450	50
70-550-50	SILVER	66	70	97	450	550	50
70-650-50		66	70	100	na	650	50
70-550-60	SILVER	66	70	94	430	550	60
70-650-60	SILVER	66	70	97	530	650	60
70-750-60	SILVER	66	70	102	630	750	60
70-900-60		66	70	113	800	900	60
70-500-75		66	70	91	350	500	75
70-600-75		66	70	94	450	600	75
70-700-75		66	70	98	550	700	75
70-750-75	SILVER	66	70	98	750	750	75
70-800-75	SILVER	66	70	102	650	800	75
70-900-75	SILVER	66	70	104	750	900	75
70-1100-75	SILVER	66	70	113	900	1100	75
70-700-100		66	70	88	700	700	100
70-900-100	SILVER	66	70	98	900	900	100
70-1100-100	SILVER	66	70	102	900	1100	100
70-1300-100	SILVER	66	70	106	1100	1300	100
70-1500-100	SILVER	66	70	115	1300	1500	100
70-1800-100	SILVER	66	70	124	1700	1800	100
70-1500-120	SILVER	66	70	110	1260	1500	120
70-1800-120	SILVER	66	70	118	1560	1800	120
70-2000-120	SILVER	66	70	125	1760	2000	120
70-2200-120		66	70	129	1960	2200	120
70-2400-120		66	70	136	2200	2400	120
70-2600-120		66	70	143	na	2600	120
70-3000-120		66	70	147	na	3000	120
70-2000-150		66	70	129	1700	2000	150

Standard sizes, other sizes on request.

DURASPRING SPIRAL SPRINGS

DURASPRING	SD* [mm]	ID [mm]	AD [mm]	Lh [mm]	Lv [mm]	BB [mm]
70-2400-150	66	70	135	2100	2400	150
70-2800-150	66	70	139	na	2800	150
70-3000-150	66	70	149	na	3000	150
70-2800-180	66	70	138	2440	2800	180
70-3000-180	66	70	141	na	3000	180
70-3250-180	66	70	152	2500	3250	180
70-3250-200	66	70	144	2500	3250	200
70-3500-200	66	70	155	2500	3500	200
75-150-30 SILVER	71	75	92	90	150	30
75-250-30 SILVER	71	75	98	190	250	30
75-250-50 SILVER	71	75	89	150	250	50
75-350-50 SILVER	71	75	94	250	350	50
75-450-50 SILVER	71	75	101	350	450	50
75-500-50	71	75	105	400	500	50
75-550-60	71	75	100	430	550	60
75-650-60 SILVER	71	75	103	530	650	60
75-750-60 SILVER	71	75	109	630	750	60
75-650-75 SILVER	71	75	99	500	650	75
75-750-75	71	75	104	600	750	75
75-900-75 SILVER	71	75	111	750	900	75
75-1000-75 SILVER	71	75	114	850	1000	75
75-1100-75 SILVER	71	75	118	950	1100	75
75-900-100 SILVER	71	75	102	na	900	100
75-1100-100 SILVER	71	75	108	900	1100	100
75-1200-100 SILVER	71	75	112	1000	1200	100
75-1300-100 SILVER	71	75	112	1100	1300	100
75-1500-100 SILVER	71	75	120	1300	1500	100
75-1700-100 SILVER	71	75	126	1500	1700	100
75-1800-100	71	75	128	1600	1800	100
75-2000-100	71	75	133	1700	2000	100
75-2200-100	71	75	136	1900	2200	100
75-1500-120 SILVER	71	75	115	1260	1500	120
75-1800-120	71	75	122	1560	1800	120
75-2000-120 SILVER	71	75	127	1760	2000	120
75-2200-120 SILVER	71	75	132	1900	2200	120
75-2400-120	71	75	138	2000	2400	120
75-2600-120	71	75	142	2200	2600	120
75-2800-120	71	75	147	na	2800	120
75-2000-150	71	75	135	1700	2000	150
75-2400-150	71	75	140	2100	2400	150
75-2600-150	71	75	144	2300	2600	150
75-2800-150 SILVER	71	75	145	2500	2800	150
75-3000-150	71	75	152	na	3000	150
75-2800-180	71	75	143	2440	2800	180
75-3000-180	71	75	148	na	3000	180
75-3250-180	71	75	156	2500	3250	180
75-3250-200	71	75	148	2850	3250	200
75-3500-200	71	75	158	na	3500	200
80-150-30 SILVER	76	80	98	90	150	30
80-250-30 SILVER	76	80	106	190	250	30
80-250-50	76	80	96	150	250	50

Standard sizes, other sizes on request.

DURASPRING	SD* [mm]	ID [mm]	AD [mm]	Lh [mm]	Lv [mm]	BB [mm]
80-450-50 SILVER	76	80	111	350	450	50
80-550-50 SILVER	76	80	114	450	550	50
80-450-60	76	80	102	330	450	60
80-550-60	76	80	105	430	550	60
80-650-60 SILVER	76	80	110	530	650	60
80-750-60	76	80	115	630	750	60
80-550-75	76	80	99	400	550	75
80-600-75	76	80	102	450	600	75
80-650-75	76	80	105	500	650	75
80-750-75 SILVER	76	80	108	600	750	75
80-900-75	76	80	119	750	900	75
80-1000-75 SILVER	76	80	123	850	1000	75
80-1200-75 SILVER	76	80	128	1000	1200	75
80-900-100 SILVER	76	80	119	900	900	100
80-1100-100	76	80	115	900	1100	100
80-1300-100 SILVER	76	80	120	1100	1300	100
80-1500-100	76	80	126	1300	1500	100
80-1800-100	76	80	134	1600	1800	100
80-1300-120	76	80	115	1060	1300	120
80-1500-120	76	80	121	1260	1500	120
80-1800-120	76	80	128	1560	1800	120
80-2000-120	76	80	133	1700	2000	120
80-2200-120	76	80	137	1700	2200	120
80-2400-120	76	80	142	na	2400	120
80-2800-120	76	80	145	na	2800	120
80-2000-150	76	80	139	1700	2000	150
80-2200-150	76	80	142	1900	2200	150
80-2400-150	76	80	146	2100	2400	150
80-2600-150	76	80	148	2300	2600	150
80-2800-150	76	80	152	na	2800	150
80-3000-150	76	80	157	na	3000	150
80-2800-180	76	80	148	2440	2800	180
80-3000-180 SILVER	76	80	154	na	3000	180
80-3250-180	76	80	157	na	3250	180
80-3000-200	76	80	154	2600	3000	200
80-3250-200	76	80	160	na	3250	200
80-3500-200	76	80	163	2500	3500	200

Standard sizes, other sizes on request.

Legend

SD	Maximum outside diameter of the part to be covered *value is reduced by 6 mm when using flanges
ID	Inside diameter of spiral spring (±1 mm)
AD	Outside diameter of spiral spring (±2 mm)
Lh	Max. extension length for horizontal installation position
Lv	Max. extension length for vertical installation position
BB	Band width, corresponds to L _{min}
SILVER	sizes also in DURASPRING Silver available
na	not available

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DURASPRING SPIRAL SPRINGS

03	INDEX	DURASPRING	SD* [mm]	ID [mm]	AD [mm]	Lh [mm]	Lv [mm]	BB [mm]
04	COMPREHENSIVE SOLUTIONS	85-150-30	81	85	103	90	150	30
		85-250-30	81	85	111	190	250	30
		85-250-50	81	85	105	150	250	50
		85-350-50	81	85	109	250	350	50
		85-450-50	81	85	116	350	450	50
		85-550-50	81	85	119	450	550	50
		85-650-60	81	85	115	530	650	60
		85-550-75	81	85	108	400	550	75
16	STANDARD BELLOWS	85-900-75	81	85	125	750	900	75
		85-1500-100	81	85	127	1300	1500	100
		85-1500-120	81	85	126	1260	1500	120
		85-2000-120	81	85	138	1700	2000	120
		85-2400-150 SILVER	81	85	151	2100	2400	150
		85-3500-200	81	85	168	na	3500	200
		90-150-30 SILVER	86	90	110	90	150	30
		90-250-30	86	90	116	190	250	30
22	SAMURAI BELLOWS	90-150-50	86	90	112	50	150	50
		90-250-50	86	90	116	150	250	50
		90-350-50 SILVER	86	90	121	250	350	50
		90-450-50 SILVER	86	90	125	350	450	50
		90-350-60 SILVER	86	90	112	230	350	60
		90-450-60	86	90	114	330	450	60
		90-450-75	86	90	115	300	450	75
		90-550-75 SILVER	86	90	119	400	550	75
28	SPECIAL BELLOWS	90-650-75 SILVER	86	90	124	500	650	75
		90-750-75	86	90	128	600	750	75
		90-900-75	86	90	133	750	900	75
		90-750-100	86	90	115	550	750	100
		90-900-100 SILVER	86	90	120	700	900	100
		90-1100-100	86	90	126	900	1100	100
		90-1300-100 SILVER	86	90	132	1100	1300	100
		90-1500-100 SILVER	86	90	144	1300	1500	100
34	ROLLER COVERS	90-1300-120	86	90	126	1060	1300	120
		90-1500-120 SILVER	86	90	131	1260	1500	120
		90-1800-120	86	90	138	1600	1800	120
		90-2000-120	86	90	148	na	2000	120
		90-1800-150	86	90	144	1500	1800	150
		90-2000-150 SILVER	86	90	149	1700	2000	150
		90-2300-150	86	90	154	na	2300	150
		90-2600-150	86	90	159	na	2600	150
50	DURASPRING SPIRAL SPRINGS	90-2800-150	86	90	160	na	2800	150
		90-3000-150	86	90	166	na	3000	150
		90-2600-180	86	90	152	2240	2600	180
		90-2800-180	86	90	158	na	2800	180
		90-3000-180	86	90	164	na	3000	180
		90-2600-200	86	90	153	2400	2600	200
		90-3000-200	86	90	162	2500	3000	200
		90-3250-200	86	90	166	2500	3250	200
52	GLADIATOR STEEL COVERS	90-3500-200	86	90	170	na	3500	200
		90-3700-200	86	90	173	2500	3700	200
		90-4000-200	86	90	182	na	4000	200
58	MATERIAL AND FUNCTION TESTS							

Standard sizes, other sizes on request.

DURASPRING	SD* [mm]	ID [mm]	AD [mm]	Lh [mm]	Lv [mm]	BB [mm]
90-4200-200	86	90	185	na	4200	200
90-4500-200	86	90	194	na	4500	200
100-250-60 SILVER	96	100	121	130	250	60
100-350-60 SILVER	96	100	126	230	350	60
100-350-75 SILVER	96	100	119	200	350	75
100-450-75	96	100	124	300	450	75
100-600-75 SILVER	96	100	129	450	600	75
100-800-75 SILVER	96	100	138	650	800	75
100-800-100 SILVER	96	100	126	600	800	100
100-1000-100 SILVER	96	100	132	800	1000	100
100-1200-100	96	100	137	1000	1200	100
100-1500-100	96	100	146	1300	1500	100
100-1100-120 SILVER	96	100	129	860	1100	120
100-1300-120 SILVER	96	100	136	1060	1300	120
100-1500-120	96	100	144	na	1500	120
100-1800-120 SILVER	96	100	148	na	1800	120
100-1500-150	96	100	147	1200	1500	150
100-1800-150	96	100	151	1500	1800	150
100-2000-150 SILVER	96	100	157	1700	2000	150
100-2500-150	96	100	164	na	2500	150
100-3000-150	96	100	188	na	3000	150
100-2500-180	96	100	162	2140	2500	180
100-2800-180	96	100	168	na	2800	180
100-2800-200	96	100	165	na	2800	200
100-3000-200	96	100	170	na	3000	200
110-250-50 SILVER	106	110	130	na	250	50
110-250-60 SILVER	106	110	130	130	250	60
110-350-60 SILVER	106	110	135	230	350	60
110-450-60 SILVER	106	110	139	330	450	60
110-350-75 SILVER	106	110	130	200	350	75
110-450-75	106	110	134	300	450	75
110-600-75 SILVER	106	110	140	450	600	75
110-800-75 SILVER	106	110	154	650	800	75
110-650-100 SILVER	106	110	129	450	650	100
110-750-100 SILVER	106	110	134	560	750	100
110-900-100 SILVER	106	110	139	700	900	100
110-1100-120	106	110	139	860	1100	120
110-1300-120	106	110	145	1060	1300	120
110-1500-120	106	110	155	1260	1500	120
110-1500-150	106	110	155	1200	1500	150
110-1800-150	106	110	157	1500	1800	150
110-2000-150	106	110	160	1700	2000	150
110-2200-180	106	110	165	1840	2200	180
110-2400-180	106	110	170	na	2400	180
110-2400-200	106	110	162	2000	2400	200
110-2800-200	106	110	172	2500	2800	200
110-3000-200	106	110	176	na	3000	200
110-3500-200	106	110	189	na	3500	200
120-250-50	116	120	141	na	250	50
120-350-50 SILVER	116	120	143	na	350	50
120-250-60 SILVER	116	120	141	130	250	60

Standard sizes, other sizes on request.

DURASPRING SPIRAL SPRINGS

DURASPRING		SD* [mm]	ID [mm]	AD [mm]	Lh [mm]	Lv [mm]	BB [mm]
120-350-60	SILVER	116	120	145	230	350	60
120-450-60	SILVER	116	120	150	330	450	60
120-350-75		116	120	140	200	350	75
120-450-75	SILVER	116	120	145	300	450	75
120-600-75		116	120	153	450	600	75
120-650-100	SILVER	116	120	142	450	650	100
120-750-100	SILVER	116	120	147	550	750	100
120-900-100	SILVER	116	120	150	700	900	100
120-900-120	SILVER	116	120	148	660	900	120
120-1100-120	SILVER	116	120	153	860	1100	120
120-1300-120		116	120	158	1100	1300	120
120-1500-120		116	120	162	1300	1500	120
120-1300-150	SILVER	116	120	156	1000	1300	150
120-1500-150		116	120	163	1200	1500	150
120-1800-150		116	120	167	1500	1800	150
120-2000-150		116	120	177	1600	2000	150
120-1600-180		116	120	158	1240	1600	180
120-1800-180		116	120	161	1440	1800	180
120-2000-180		116	120	169	1640	2000	180
120-2200-180		116	120	174	na	2200	180
120-2200-200		116	120	165	1800	2200	200
120-2400-200		116	120	170	2100	2400	200
120-2600-200		116	120	174	na	2600	200
130-170-50		126	130	150	na	170	50
130-250-60		126	130	145	210	250	60
130-350-60		126	130	155	na	350	60
130-450-60		126	130	156	410	450	60
130-250-75	SILVER	126	130	145	220	250	75
130-350-75		126	130	150	310	350	75
130-450-75		126	130	156	410	450	75
130-650-100		126	130	157	600	650	100
130-800-100		126	130	164	na	800	100
130-600-120		126	130	158	360	600	120
130-800-120	SILVER	126	130	161	560	800	120
130-1000-120	SILVER	126	130	164	760	1000	120
130-1100-120		126	130	163	na	1100	120
130-900-150		126	130	163	500	900	150
130-1300-150		126	130	170	1000	1300	150
130-1500-150		126	130	174	1200	1500	150
130-1800-150		126	130	185	na	1800	150
130-1650-180		126	130	170	1650	1650	180
130-2000-200		126	130	180	2000	2000	200
140-250-75		136	140	158	150	250	75
140-350-75		136	140	162	250	350	75
140-450-75		136	140	165	350	450	75
140-600-75		136	140	175	na	600	75
140-350-100		136	140	153	250	350	100
140-450-100		136	140	162	350	450	100
140-600-100		136	140	172	500	600	100
140-700-120		136	140	170	460	700	120
140-1000-120		136	140	192	na	1000	120

Standard sizes, other sizes on request

DURASPRING	SD* [mm]	ID [mm]	AD [mm]	Lh [mm]	Lv [mm]	BB [mm]
140-1000-150	136	140	180	700	1000	150
140-1300-150	136	140	187	1000	1300	150
140-1500-150 SILVER	136	140	190	na	1500	150
140-1900-200	136	140	185	1500	1900	200
140-2000-200	136	140	193	1600	2000	200
140-2400-200	136	140	204	na	2400	200
150-350-60	146	150	172	300	350	60
150-450-75	146	150	188	na	450	75
150-500-75	146	150	190	na	500	75
150-600-75	146	150	194	na	600	75
150-750-150	146	150	180	na	750	150
150-1100-150	146	150	187	na	1100	150
150-1300-150	146	150	197	na	1300	150
160-250-60	156	160	178	na	250	60
160-250-75	156	160	180	na	250	75
160-450-75	156	160	189	na	450	75
160-450-100	156	160	182	350	450	100
160-650-120	156	160	191	550	650	120
160-750-120	156	160	193	600	750	120
160-800-150	156	160	197	na	800	150
160-950-150	156	160	200	na	950	150
160-1000-150	156	160	202	na	1000	150
160-1200-150 SILVER	156	160	204	na	1200	150
160-1200-200	156	160	193	na	1200	200
160-1300-200	156	160	200	na	1300	200
160-1400-200	156	160	212	na	1400	200
160-2000-200	156	160	222	na	2000	200

Standard sizes, other sizes on request.

90-900-100

VORSICHT BEIM ÖFFNEN - ATTENTION WHEN OPENING




HEMA info@hema-group.com - www.hema-group.com

Legend	
SD	Maximum outside diameter of the part to be covered *value is reduced by 6 mm when using flanges
ID	Inside diameter of spiral spring (±1 mm)
AD	Outside diameter of spiral spring (±2 mm)
Lh	Max. extension length for horizontal installation position
Lv	Max. extension length for vertical installation position
BB	Band width, corresponds to L _{min}
SILVER	sizes also in DURASPRING Silver available
na	not available

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