

Maintenance and Cleaning

Maintenance of spiral springs is unnecessary. We recommend cleaning according to the rate of pollution and then apply oil film.

Assembly and operating time

Telescopic springs have different extension according to the assembly position.

I. Horizontal position – Horizontally assembled springs are used with especially even operation while the overlap of individual threads will be larger. This means that the sag, especially with springs with a large extensive length, will be decreased and the lateral stability of springs will be improved. With horizontal use it is recommended to orient the spring so that the splinters fly from the largest diameter of the spring to the smallest diameter of the spring.

II. Vertical position – With vertical use of the springs it is possible to achieve significantly larger extensive length than with the horizontal use. Vertical springs have a high extensive force that secures perfect operation of the spring. We recommend placing the larger diameter of the spring into the upper flange for vertical use.

Flanges

Simple centring flanges are needed for assembly of telescopic springs on both ends. The flanges must allow for free movement of the spring so that jamming of the spring in the flange does not occur. The spring rotates in the flange during compression and extension. The springs must not be riveted, screwed or otherwise fixed to the flange.

Abbreviations

SD Maximum external diameter of the covered part

ID Internal diameter of the spiral spring

IF Internal diameter of the centring flange (ID - 2 mm)

AD External diameter of the spiral spring (±2 mm)

AF Internal diameter of the large centring flange (AD +4 mm)

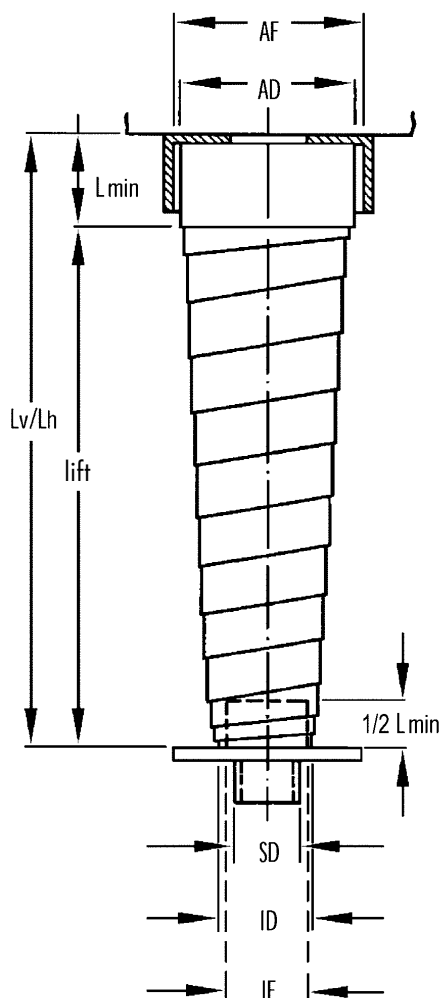
Lh Maximum extension with horizontal use

Lv Maximum extension with vertical use

BB Used strip width (corresponds to Lmin)

n Not supplied

All dimensions are stated in mm



Type	SD	ID	AD	Lh	Lv	BB
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	25	110	150	20
15-200-20	11	15	28	160	200	20
15-300-20	11	15	30	260	300	20
20-100-20	16	20	31	60	100	20
20-150-20	16	20	34	110	150	20
20-200-20	16	20	36	160	200	20
20-250-20	16	20	40	210	250	20
20-300-20	16	20	41	260	300	20
20-250-30	16	20	36	210	250	30
20-300-30	16	20	39	260	300	30
20-350-30	16	20	42	310	350	30
20-400-30	16	20	45	360	400	30
20-400-40	16	20	38	360	400	40
20-450-40	16	20	41	410	450	40
20-500-40	16	20	48	460	500	40
25-100-20	21	25	35	60	100	20
25-150-20	21	25	38	110	150	20
25-200-20	21	25	41	160	200	20
25-250-20	21	25	44	210	250	20
25-300-20	21	25	47	260	300	20
25-300-30	21	25	43	240	300	30
25-350-30	21	25	46	290	350	30
25-400-30	21	25	49	340	400	30
25-450-30	21	25	48	390	450	30

Type	SD	ID	AD	Lh	Lv	BB
25-450-40	21	25	48	370	450	40
25-500-40	21	25	51	420	500	40
25-450-50	21	25	40	390	450	50
25-500-50	21	25	42	440	500	50
25-550-50	21	25	43	490	550	50
25-600-50	21	25	44	540	600	50
25-650-50	21	25	45	590	650	50
25-750-50	21	25	47	690	750	50
25-900-50	21	25	57	840	900	50
30-150-30	26	30	39	90	150	30
30-200-30	26	30	42	140	200	30
30-250-30	26	30	44	190	250	30
30-300-30	26	30	46	240	300	30
30-350-30	26	30	49	290	350	30
30-400-30	26	30	52	340	400	30
30-450-30	26	30	53	390	450	30
30-450-40	26	30	53	370	450	40
30-500-40	26	30	56	440	500	40
30-550-40	26	30	58	490	550	40
30-600-40	26	30	60	540	600	40
30-650-40	26	30	62	590	650	40
30-700-40	26	30	64	640	700	40
30-150-50	26	30	40	90	150	50
30-250-50	26	30	43	190	250	50
30-350-50	26	30	46	290	350	50
30-450-50	26	30	48	390	450	50
30-550-50	26	30	50	490	550	50

Type	SD	ID	AD	Lh	Lv	BB
30-650-50	26	30	55	590	650	50
30-750-50	26	30	59	690	750	50
30-650-60	26	30	52	590	650	60
30-750-60	26	30	57	690	750	60
30-900-60	26	30	59	840	900	60
30-1000-60	26	30	62	940	1000	60
35-100-20	31	35	46	60	100	20
35-100-30	31	35	44	60	100	30
35-150-30	31	35	48	90	150	30
35-200-30	31	35	50	140	200	30
35-250-30	31	35	52	190	250	30
35-300-30	31	35	55	240	300	30
35-350-30	31	35	61	290	350	30
35-400-30	31	35	63	340	400	30
35-300-40	31	35	48	240	300	40
35-350-40	31	35	50	290	350	40
35-400-40	31	35	54	340	400	40
35-450-40	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	52	290	350	50
35-400-50	31	35	54	340	400	50
35-450-50	31	35	54	390	450	50
35-500-50	31	35	56	440	500	50
35-550-50	31	35	58	490	550	50
35-650-50	31	35	61	590	650	50
35-750-50	31	35	65	690	750	50

