



SPRING SOLUTIONS BROCHURE

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BRIGHT IDEAS SMART SOLUTIONS

Driven by innovation, defined by quality,
designed for you.



FLEXIBLE – MADE ON SPECIFICATION

We produce approximately one million springs annually to high quality standards. Our range includes motion, skylight and screen springs designed for constant tension performance. Manufactured in Finland using European raw materials and high-quality steel wire, our springs are designed for durability and reliability. Life cycle tests exceed 10,000 cycles, corresponding to an average service life of around 20 years.

DESIGNED FOR YOUR EXACT REQUIREMENTS

Our engineers work closely with you to develop springs tailored to your exact specifications — delivering reliable solutions for even the most demanding applications.

MOTION SPRINGS

- For blinds in boats, caravans and vehicles
- Spring prevents slapping and rattling with movement

SKYLIGHT SPRINGS

- Prevents fabric from hanging loose when not vertical

SCREEN SPRINGS

- The springs work in all directions

MOTION SPRINGS



- For blinds in boats, caravans and vehicles
- Constant tension
- Spring prevents slapping and rattling with movement
- Moveable axle for easy pre tensioning
- Moveable axle prevents blind from falling off brackets during movement



SKYLIGHT SPRINGS



- Constant tension
- Prevents fabric from hanging loose when not vertical
- Long lifetime and constant quality
- Locking axle available for locking the pretension



SCREEN SPRINGS



- The springs work in all directions
- Sideways for doors
- Top down for windows
- Bottom up for roll-ups
- Sideways or top down for insect screens



OVERVIEW SPRINGS

12 mm spring mechanisms - Pretensioning: 5-20 turns

Item	Max load kg	End cap colour	Length mm	Wire Ø mm	Pin size	Housing Ø mm	Tolerance	Max. turns
52312144	1,4	grey	336	0,8	5,6 x 5 x 2	12	-	40

17 mm spring mechanisms - Pretensioning: 5-10 turns

Item	Max load kg	End cap colour	Length mm	Wire Ø mm	Pin size	Housing Ø mm	Tolerance	Max. turns
52X 17 180	1,6	white	300	1,0	7 x 6,2 x 2,5	16,9	+/-0,05	50
52X 17 350	3,5	beige	385	1,2	7 x 6,2 x 2,5	16,9	+/-0,05	58

20 mm spring mechanisms - Pretensioning: 10-13 turns

Item	Max load kg	End cap colour	Length mm	Wire Ø mm	Pin size	Housing Ø mm	Tolerance	Max. turns
52X 20 150	1,8	white	300	1,0	7 x 6,2 x 2,5	18,9	+/-0,05	48
52X 20 180	1,8	white	385	1,0	7 x 6,2 x 2,5	18,9	+/-0,05	60
52X 20 300	3,0	beige	385	1,2	7 x 6,2 x 2,5	18,9	+/-0,05	50
52X 20 450	4,5	grey	385	1,3	7 x 6,2 x 2,5	18,9	+/-0,05	40

25 mm spring mechanisms - With adapter also for 32 mm tubes - Pretensioning: 10-13 turns

Item	Max load kg	End cap colour	Length mm	Wire Ø mm	Pin size	Housing Ø mm	Tolerance	Max. turns
52X 25 150	1,5	white	300	1,0	7 x 6,2 x 2,5	24,4	+/- 0,05	40
52X 25 300	3,0	beige	385	1,2	7 x 6,2 x 2,5	24,4	+/- 0,05	40
52X 25 450	4,5	grey	385	1,3	7 x 6,2 x 2,5	24,4	+/- 0,05	30

28 mm spring mechanisms - Pretensioning: 12-15 turns

Item	Max load kg	End cap colour	Length mm	Wire Ø mm	Pin size	Housing Ø mm	Tolerance	Max. turns
52X 28 250	2,5	beige	385	1,2	7 x 6,2 x 2,5	27,4	+/-0,05	40
52X 28 390	3,9	grey	385	1,3	7 x 6,2 x 2,5	27,4	+/-0,05	30

36 mm spring mechanisms - With adapter also for 50 mm tubes - Pretensioning: 15-20 turns

Item	Max load kg	End cap colour	Length mm	Wire Ø mm	Pin size	Housing Ø mm	Tolerance	Max. turns
52X 36 300	3,0	beige	450	1,4	8 x 9,5 x 2,5	35,8	+0,2/-0,1	37
52X 36 500	5,0	grey	450	1,6	8 x 9,5 x 2,5	35,8	+0,2/-0,1	30
52X 36 500 650	5,0	grey	650	1,6	8 x 9,5 x 2,5	35,8	+0,2/-0,1	40
52X 36 500 800	5,0	grey	800	1,6	8 x 9,5 x 2,5	35,8	+0,2/-0,1	45
52X 36 600 650	6,0	black	650	1,8	8 x 9,5 x 2,5	35,8	+0,2/-0,1	30
52X 36 600 800	6,0	black	800	1,8	8 x 9,5 x 2,5	35,8	+0,2/-0,1	40

38 mm spring mechanisms - Pretensioning: 15-20 turns

Item	Max load kg	End cap colour	Length mm	Wire Ø mm	Pin size	Housing Ø mm	Tolerance	Max. turns
52X 38 300	3,0	beige	450	1,4	8 x 9,5 x 2,5	36,2	+0,2/-0,1	37
52X 38 500	5,0	grey	450	1,6	8 x 9,5 x 2,5	36,2	+0,2/-0,1	30
52X 38 500 650	5,0	grey	650	1,6	8 x 9,5 x 2,5	36,2	+0,2/-0,1	40
52X 38 500 800	5,0	grey	800	1,6	8 x 9,5 x 2,5	36,2	+0,2/-0,1	45
52X 38 600 650	6,0	black	650	1,8	8 x 9,5 x 2,5	36,2	+0,2/-0,1	30
52X 38 600 800	6,0	black	800	1,8	8 x 9,5 x 2,5	36,2	+0,2/-0,1	40

There can be a variation of 10-15% in the lifting powers of the spring mechanism within the same standards.

Coloured end cap

The colour of the locking plate (end cap) indicates the lifting power of the spring mechanism and makes it possible to identify the lifting power of the spring roller blind when the spring is inserted in the tube.

1,5 kg – 1,8 kg
2,5 kg – 3,5 kg
4,5 kg – 5,0 kg
6,0 kg –

white end cap
beige end cap
grey end cap
black end cap

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