



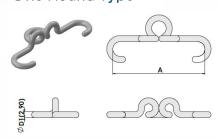
Tolerance: ±5%

Normal Type

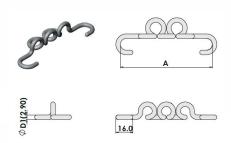




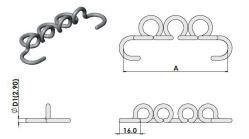
One Round Type



Two Round Type



Three Round Type



Normal Type			
No.	Model name	D1, Ø	A, mm
1	SPINElant CESL 1621	1.6	21.8
2	SPINElant CESL 1826	1.8	26.4
3	SPINElant CESL 1831	1.8	31.4
4	SPINElant CESL 2036	2.0	36.0
5	SPINElant CESL 2240	2.2	40.6
One Round Type			
6	SPINElant LESL 2924	2.9	24.2
7	SPINElant LESL 2929	2.9	29.2
8	SPINElant LESL 2934	2.9	34.2
9	SPINElant LESL 2939	2.9	39.3
10	SPINElant LESL 2944	2.9	44.2
11	SPINElant LESL 2949	2.9	49.2
12	SPINElant LESL 2954	2.9	54.2
13	SPINElant LESL 2959	2.9	59.2
Two Round Type			
14	SPINElant LESL 2964	2.9	64.2
15	SPINElant LESL 2969	2.9	69.2
16	SPINElant LESL 2974	2.9	74.2
Three Round Type			
17	SPINElant LESL 2979	2.9	79.2
18	SPINElant LESL 2984	2.9	84.2
19	SPINElant LESL 3289	3.2	89.2
20	SPINElant LESL 3294	3.2	94.2
21	SPINElant LESL 3299	3.2	99.2

Material

SPINElant is made of superelastic TiNi SMA showing shape memory effect (also known as Nitinol which has been already standardized on the ASTM F2063 as the biocompatible material for medical devices and surgical implants). It characterized by high mechanical performance, high cycle fatigue (over 10⁷), and improved corrosion resistance.

Features

SPINElant follows the concept of dynamic spinal loops, which is currently gaining increasing recognition

Indications

- Ω P.L.I.F. and posterior fixation
- Ω After decompressive laminectomy
- Ω Correction of degenerative kyphoscoliosis
- Ω Mild degenerative spondlolisthesis
- Ω Compression fracture with kyphosis
- Ω Prevention to adjacent segmental instability
- Ω Injury of ligamentous structure
- Ω Resurgery of F.B.S.S.

Benefits

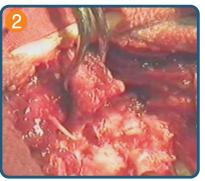
- Ω Flexible, but strong posterior tension band
- Ω Combination with pedicle screw, as appropriate
- Ω Easy to apply and remove
- Ω Correction of kyphosis
- Ω Stable adjacent segment
- Ω Less invasive approach
- Ω Shortening operation time
- Ω Early patient's recovery





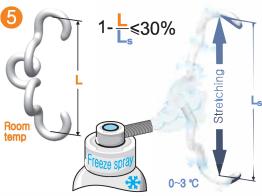
- Surgical technique

















-) Pronation and demarcation (5) Cooling (spray or ice water) (3) Revision/checking steps (6) Stretching (decompression, laminectomy, etc.) (7) Insertion (1) Pronation and demarcation (2,3) Revision/checking steps (4) Trying in situ

 - (8) Contraction and X-ray check

Note that the stretching strain should not exceed 30 % of the reference length

Variant embodiments







