

Nitinol fixing plates

Implantable systems for
rib osteosynthesis and sternal closure



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NiTiNol

Unique and innovative material



Malleable and ductile

Below 5 ° C, the metal is instantly and effortlessly deformable.



Shape memory effect

At human's body temperature, the implant returns to its original preformed shape.



Flexible and resistant to fatigue

Fatigue stresses applied to NiTiNol do not damage its structure. The material enables "semi-rigid" compression or dynamic osteosynthesis.



Biocompatible

NiTiNol is biocompatible and does not induce cancerogenic phenomena. It does not osteointegrate.

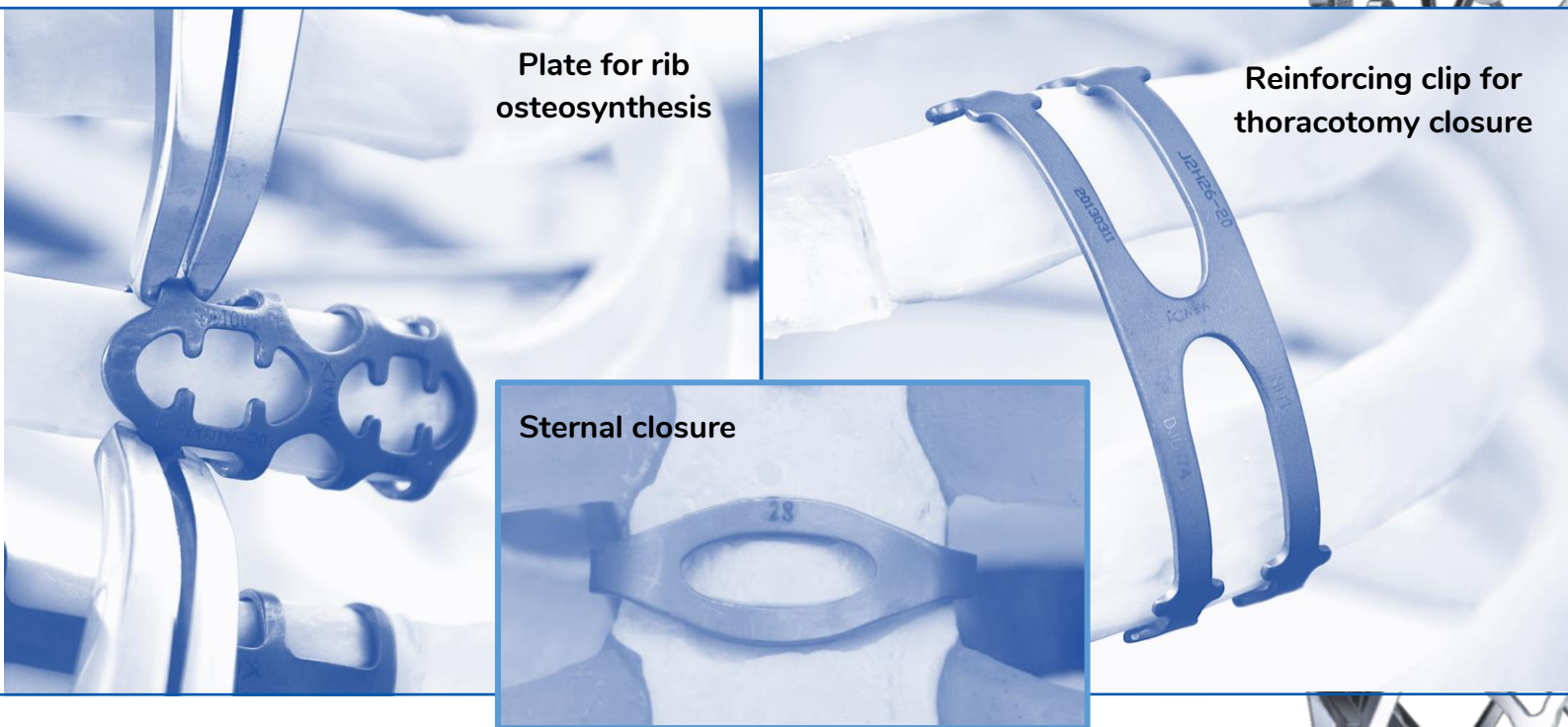


Surgical indication

- Isolated or multiple rib fracture
 - Reinforcement of the intercostal space
 - Thoracotomy closure for at-risk patients
- Mini thoracotomy closure with VATS assistance
- Sternal closure and reinforcement

What kind of surgery?

- Enables mini-invasive surgery
- Easy latero-posterior implantation
- Possibility to implant even with reduced accessibility



Benefits for patients

- Reduction of scars' size
- Reduced immobilization and recovery period
- Lighter weight and better material tolerance

Benefits for surgeon

- Fast and easy surgery
- Reduced operating time
- Wide range of implants adapted to each morphology

NITIRIB

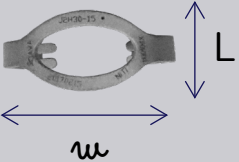
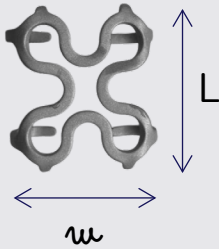
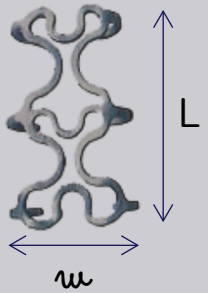
Product name	Implant	Curvature	Product code	Reference	Width (mm)	Length (mm)
Rib plates		Normal (NC)	J4H10-50	1104H1005001	10	50
			J4H12-60	1104H1206001	12	60
			J4H14-60	1104H1406001	14	
			J4H16-60	1104H1606001	16	
			J4H18-60	1104H1806001	18	
			J4H20-60	1104H2006001	20	
		35°	J4H10-60	1104H1006006	10	60
			J4H12-60	1104H1206006	12	
			J4H14-60	1104H1406006	14	
			J4H16-60	1104H1606006	16	
			J4H18-60	1104H1806006	18	
			J4H20-60	1104H2006006	20	
		Normal (NC)	J6H10-90	1106H1009001	10	90
			J6H12-90	1106H1209001	12	
			J6H14-90	1106H1409001	14	
			J6H16-90	1106H1609001	16	
			J6H18-90	1106H1809001	18	
			J6H20-90	1106H2009001	20	
		Normal (NC) and 35°	J6H10-90	1106H1009006	10	90
			J6H12-90	1106H1209006	12	
			J6H14-90	1106H1409006	14	
			J6H16-90	1106H1609006	16	
			J6H18-90	1106H1809006	18	
			J6H20-90	1106H2009006	20	
Intercostal clips			J2H16-18	1102H1601801	32	18
			J2H18-18	1102H1801801	36	
			J2H20-18	1102H2001801	40	
			J2H22-17	1102H2201701	44	17



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NITISTERNUM

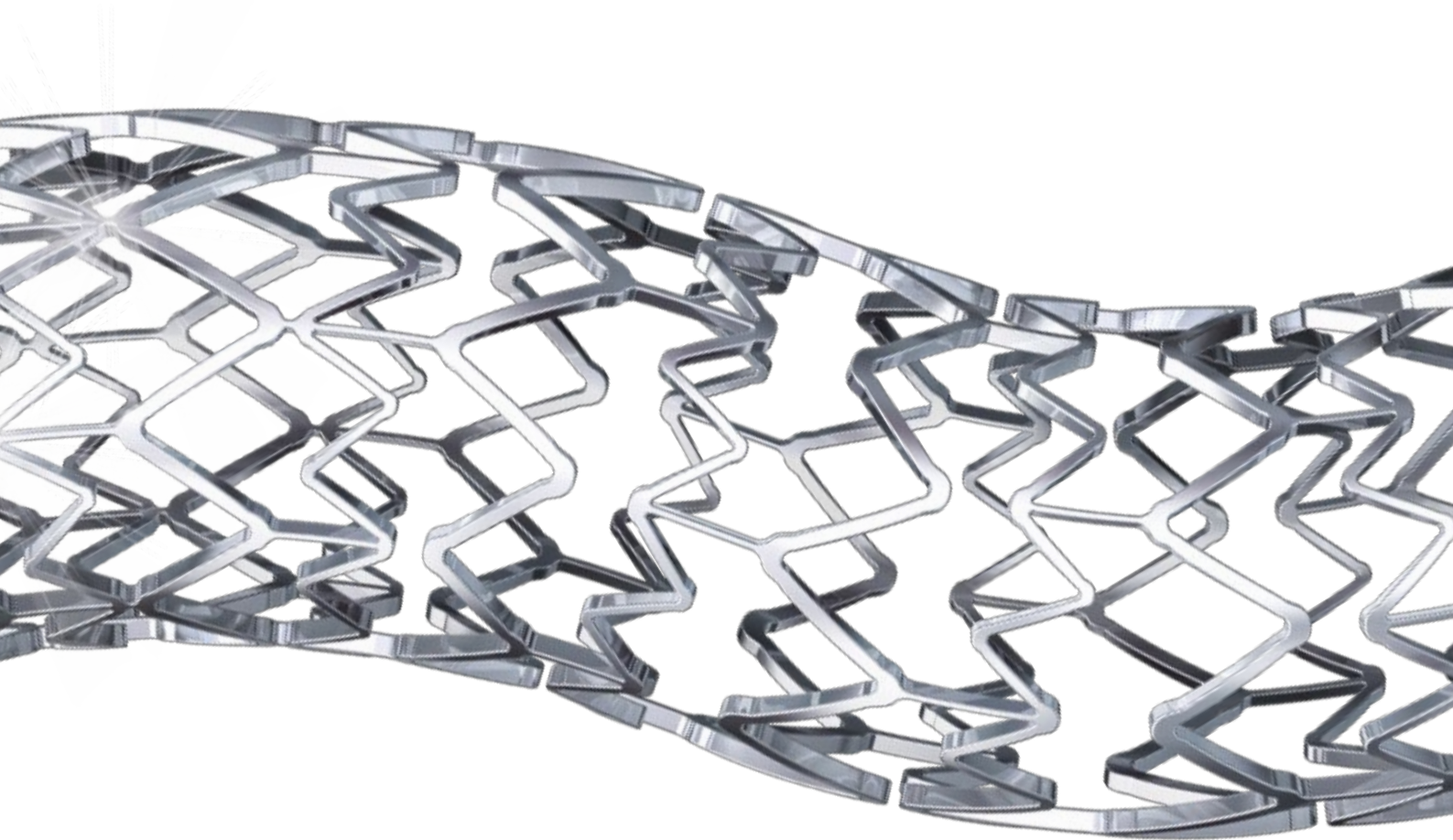
Product name	Implant	Product code	Reference	Pairs of gripping arms	Width w (mm)	Length L (mm)
Sternal clips		J2H24-15	1102H2401505	1	24	15
		J2H26-15	1102H2601505		26	
		J2H28-15	1102H2801505		28	
		J2H30-15	1102H3001505		30	
		J2H32-15	1102H3201505		32	
		J2H24-24	1102H2402405	2	24	24
		J2H26-28	1102H2602805		26	28
		J2H28-30	1102H2803005		28	30
		J2H30-32	1102H3003205		30	32
		J2H30-34	1102H3003405		30	34
		J3Z24-60	1103Z2406005	3	24	60
		J3Z26-60	1103Z2606005		26	
		J3Z28-60	1103Z2806005		28	
		J3Z30-60	1103Z3006005		30	
		J3Z30-70	1103Z3007005		30	70

Notes

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Notes

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