

BIOTECH Spinal Fixation System

Product Catalog



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BIOTECH

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"Movement is Life"

DLP - Dorso-Lumbar Polyaxial System

Indications:

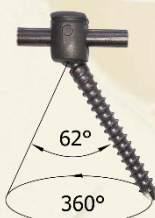
The **DLP Polyaxial Screw System** is indicated for trauma cases, spondylolisthesis, degenerative disc disease, deformities, tumors, stenosis, and pseudoarthrosis.

Features:

- The system includes various screw types: **polyaxial screws, polyaxial spondylolisthesis screws, monoaxial screws, and low-profile dynamic screws**. There are **single-threaded and double-threaded versions available**.
- The polyaxial screws of the DLP system provide three-dimensional adjustability (with an angulation of 62°) for simple and stable fixation.
- A simple closure mechanism with a locking nut secures the screws to the rod in one step.
- Reduces the need for rod shaping.
- Transverse rods and connectors are available in the system.
- The flexibility of the system allows surgeons to adapt surgical techniques based on different pathologies.

Polyaxial screws

101-0204-0425	4,0 mm x 25 mm
101-0204-0430	4,0 mm x 30 mm
101-0204-0435	4,0 mm x 35 mm
101-0204-0440	4,0 mm x 40 mm
101-0204-0445	4,0 mm x 45 mm
101-0204-0530	5,0 mm x 30 mm
101-0204-0535	5,0 mm x 35 mm
101-0204-0540	5,0 mm x 40 mm
101-0204-0545	5,0 mm x 45 mm
101-0204-0550	5,0 mm x 50 mm
101-0204-0635	6,0 mm x 35 mm
101-0204-0640	6,0 mm x 40 mm
101-0204-0645	6,0 mm x 45 mm
101-0204-0650	6,0 mm x 50 mm
101-0204-0655	6,0 mm x 55 mm
101-0204-0660	6,0 mm x 60 mm
101-0204-0665	6,0 mm x 65 mm
101-0204-0670	6,0 mm x 70 mm
101-0204-0735	7,0 mm x 35 mm
101-0204-0740	7,0 mm x 40 mm
101-0204-0745	7,0 mm x 45 mm
101-0204-0750	7,0 mm x 50 mm
101-0204-0755	7,0 mm x 55 mm
101-0204-0760	7,0 mm x 60 mm
101-0204-0765	7,0 mm x 65 mm
101-0204-0770	7,0 mm x 70 mm



Polyaxial spondylolisthesis screws

101-0206-0535	5,0mm x 35 mm
101-0206-0540	5,0mm x 40 mm
101-0206-0545	5,0mm x 45 mm
101-0206-0550	5,0mm x 50 mm
101-0206-0555	5,0mm x 55 mm
101-0206-0635	6,0mm x 35 mm
101-0206-0640	6,0mm x 40 mm
101-0206-0645	6,0mm x 45 mm
101-0206-0650	6,0mm x 50 mm
101-0206-0655	6,0mm x 55 mm



Monoaxial screws

101-0205-0430	4,0mm x 30 mm
101-0205-0435	4,0mm x 35 mm
101-0205-0440	4,0mm x 40 mm
101-0205-0445	4,0mm x 45 mm
101-0205-0535	5,0mm x 35 mm
101-0205-0540	5,0mm x 40 mm
101-0205-0545	5,0mm x 45 mm
101-0205-0550	5,0mm x 50 mm
101-0205-0555	5,0mm x 55 mm
101-0205-0635	6,0mm x 35 mm
101-0205-0640	6,0mm x 40 mm
101-0205-0645	6,0mm x 45 mm
101-0205-0650	6,0mm x 50 mm
101-0205-0655	6,0mm x 55 mm



Low profile dynamic screws

101-0207-0535	5,0mm x 35 mm
101-0207-0540	5,0mm x 40 mm
101-0207-0545	5,0mm x 45 mm
101-0207-0550	5,0mm x 50 mm
101-0207-0635	6,0mm x 35 mm
101-0207-0640	6,0mm x 40 mm
101-0207-0645	6,0mm x 45 mm
101-0207-0650	6,0mm x 50 mm
101-0207-0655	6,0mm x 55 mm



Locking screw

101-0602-0000



Rods

101-0300-0045	45 mm
101-0300-0055	55 mm
101-0300-0065	65 mm
101-0300-0075	75 mm
101-0300-0085	85 mm
101-0300-0095	95 mm
101-0300-0105	105 mm
101-0300-0115	115 mm
101-0300-0125	125 mm
101-0300-0135	135 mm
101-0300-0145	145 mm
101-0300-0155	155 mm
101-0300-0165	165 mm
101-0300-0175	175 mm
101-0300-0185	185 mm
101-0300-0195	195 mm
101-0300-0205	205 mm
101-0300-0225	225 mm
101-0300-0255	255 mm
101-0300-0300	300 mm
101-0300-0350	350 mm
101-0300-0400	400 mm
101-0300-0450	450 mm
101-0300-0500	500 mm
101-0300-0550	550 mm
101-0300-0600	600 mm



Transverse Rods

101-0307-0040	40 mm
101-0307-0060	60 mm
101-0307-0080	80 mm



Transverse Rod Connector

101-0407-0000



Hook system

101-0700-0001 DL Pedicle hook	small
101-0700-0002 DL Pedicle hook	medium
101-0700-0003 DL Pedicle hook	large
101-0701-0001 DL Laminar hook	small
101-0701-0002 DL Laminar hook	medium
101-0701-0003 DL Laminar hook	large
101-0701-1000 DL Laminar hook, angled	



"Movement is Life"

DLC - Dorso-Lumbar Coupling System

Indications:

The use of **DLC** system is indicated in posterior spine surgery of the thoraco-lumbar-sacral region, where stability and solid bony fusion is to be achieved after surgery for spondylolisthesis, fractures with or without dislocations, disc herniation, canal stenosis, metastatic bone tumours, primary bone tumors, vertebral instability and in any case, where vertebral fixation is indicated.

Variability of the system:

The **3D couplings** allow the adjusting of the screws on the rods in all planes, which makes the rod application much easier and minimises the need of rod contouring.

The screws and rods give the mechanical support and the stability to the dorso-lumbar and lumbo-sacral spine.

The instrumentation is simple, accurate and ensures precise bony stabilisation.

Special expansive screws are also available in the system, which highly increase the resistance to pull out, providing an excellent fixation. Expansive screws are indicated especially by revision cases, in osteoporotic bone as well as by sacral fixation.

Advantages:

- * 3D fixation with two types of multidirectional coupling
- * Different screw designs: selftapping screws, spondylolisthesis selftapping screws, expansive screws
- * Titanium alloy TiAl6V4 raw material for best biomechanical performance
- * Simple to use
- * Optimal even in case of re-operation
- * Instrumentation for osteoporotic vertebrae
- * Monocortical vertebral fixation
- * High stability
- * Easy-locking system by a single nut
- * The flexibility of the system allows freedom for the surgeon by the surgical technique by different pathologies

Spondylolisthesis Selftapping Screws



6.35 mm diameter

101-0202-6330	6.35 x 30 mm
101-0202-6335	6.35 x 35 mm
101-0202-6340	6.35 x 40 mm
101-0202-6345	6.35 x 45 mm
101-0202-6350	6.35 x 50 mm
101-0202-6355	6.35 x 55 mm
101-0202-6360	6.35 x 60 mm

Selftapping Screws



4.75mm diameter

101-0201-4735	4.75 x 35 mm
101-0201-4740	4.75 x 40 mm
101-0201-4745	4.75 x 45 mm

6.35 mm diameter

101-0201-6320	6.35 x 20 mm
101-0201-6325	6.35 x 25 mm
101-0201-6330	6.35 x 30 mm
101-0201-6335	6.35 x 35 mm
101-0201-6340	6.35 x 40 mm
101-0201-6345	6.35 x 45 mm
101-0201-6350	6.35 x 50 mm
101-0201-6355	6.35 x 55 mm
101-0201-6360	6.35 x 60 mm
101-0201-6365	6.35 x 65 mm

7.5 mm diameter

101-0201-7545	7.5 x 45 mm
101-0201-7550	7.5 x 50 mm
101-0201-7555	7.5 x 55 mm

Expansive Screws



7.0 mm diameter

101-0203-0730	7.0 x 30 mm
101-0203-0735	7.0 x 35 mm
101-0203-0740	7.0 x 40 mm

8.0 mm diameter

101-0203-8035	8.0 x 35 mm
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Rods



101-0300-0045	45 mm
101-0300-0055	55 mm
101-0300-0065	65 mm
101-0300-0075	75 mm
101-0300-0085	85 mm
101-0300-0095	95 mm
101-0300-0105	105 mm
101-0300-0115	115 mm
101-0300-0125	125 mm
101-0300-0135	135 mm
101-0300-0145	145 mm
101-0300-0155	155 mm
101-0300-0165	165 mm
101-0300-0175	175 mm
101-0300-0185	185 mm
101-0300-0195	195 mm
101-0300-0205	205 mm
101-0300-0225	225 mm
101-0300-0255	255 mm
101-0300-0300	300 mm
101-0300-0350	350 mm
101-0300-0400	400 mm
101-0300-0450	450 mm
101-0300-0500	500 mm
101-0300-0550	550 mm
101-0300-0600	600 mm

Transverse Rod Connector



101-0407-0000

Coupling



101-0405-0000

Locking Nut



101-0601-0000

Transverse Rods



101-0307-0040	40 mm
101-0307-0060	60 mm
101-0307-0080	80 mm

Hook system

101-0700-0001 DL Pedicle hook	small
101-0700-0002 DL Pedicle hook	medium
101-0700-0003 DL Pedicle hook	large

101-0701-0001 DL Laminar hook	small
101-0701-0002 DL Laminar hook	medium
101-0701-0003 DL Laminar hook	large

101-0701-1000 DL Laminar hook, angled



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CPS - Cervical Plate System

Cervical osteosynthesis plates have proved to be one of the most impressive developments in the decompressive anterior surgery of the cervical spine. Long term postoperative complications like graft instability or pseudoarthrosis could be reduced significantly with the application of the anatomical shaped system.

To guarantee the perfect application, the CPS titanium alloy plate is designed to take consideration of the physiological cervical lordosis and to adjust precisely onto the anterior surface of the vertebra. The lateral and the cross-sectional profiles are curved. Posterior vertebral body cortex could remain intact. The application of the plate is easy to use, requires only a few instruments, simple and fast.

Sand blasted roughened surface 4 mm diameter angle stabilised screws prove perfect adaptation and stability.

Indications:

- disc herniation
- canal stenosis
- fractures with or without dislocation
- metastatic tumours
- primary tumours
- vertebral instability
- cervical dystonia
- in any case, where vertebral fixation is indicated

Advantages:

- possibility to fixation to cervical cage
- precise adjustment onto the anterior surface
- high level consideration of the physiological cervical lordosis
- angle stabilised screw fixation
- intact posterior cortex
- solid graft fixation to the plate and to the vertebral body
- MR compatibility

* - optional

Plates

102-0105-0025	Cervical plate 25 mm
102-0105-0027	Cervical plate 27,5 mm *
102-0105-0030	Cervical plate 30 mm
102-0105-0032	Cervical plate 32,5 mm *
102-0105-0035	Cervical plate 35 mm
102-0105-0037	Cervical plate 37,5 mm *
102-0105-0040	Cervical plate 40 mm
102-0105-0042	Cervical plate 42,5 mm *
102-0105-0045	Cervical plate 45 mm
102-0105-0047	Cervical plate 47,5 mm *
102-0105-0050	Cervical plate 50 mm
102-0105-0052	Cervical plate 52,5 mm *
102-0105-0055	Cervical plate 55 mm
102-0105-0057	Cervical plate 57,5 mm *
102-0105-0060	Cervical plate 60 mm
102-0105-0062	Cervical plate 62,5 mm *
102-0105-0065	Cervical plate 65 mm
102-0105-0067	Cervical plate 67,5 mm *
102-0105-0070	Cervical plate 70 mm
102-0105-0072	Cervical plate 72,5 mm *
102-0105-0075	Cervical plate 75 mm
102-0105-0077	Cervical plate 77,5 mm *
102-0105-0080	Cervical plate 80 mm
102-0105-0082	Cervical plate 82,5 mm *
102-0105-0085	Cervical plate 85 mm
102-0105-0087	Cervical plate 87,5 mm *
102-0105-0090	Cervical plate 90 mm
102-0105-0092	Cervical plate 92,5 mm *
102-0105-0095	Cervical plate 95 mm
102-0105-0097	Cervical plate 97,5 mm *

Screws

102-0205-0414	Screw for cervical plate 14 mm
102-0205-0416	Screw for cervical plate 16 mm
102-0205-0418	Screw for cervical plate 18 mm
102-0205-0420	Screw for cervical plate 20 mm
102-0205-0422	Screw for cervical plate 22 mm

Cage fixation screw

102-0206-0314	Fixation screw for cage 14mm
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