

Unique attribute of Rod

The 5.5mm diameter Smooth Rod is available from 40 to 480mm in length.

Rods pre-cut in multiple lengths.

The hexagonal design at both ends are easier for rod rotation.



Description	Item No.	Description	Item No.
Smooth Rod ø5.5 mm			
L 40 mm	132-56408	L 170 mm	132-51708
L 50 mm	132-56508	L 200 mm	132-52008
L 60 mm	132-56608	L 250 mm	132-52508
L 70 mm	132-56708	L 300 mm	132-53008
L 80 mm	132-50808	L 350 mm	132-53508
L 90 mm	132-50908	L 360 mm	132-53608
L100 mm	132-51008	L 400 mm	132-54008
L110 mm	132-51108	L 450 mm	132-54508
L130 mm	132-51308	L 480 mm	132-54808

Transverse Link

Transverse Link provides construct stability and prevents rotating of the vertebral bodies.



Description	Item No.
Transverse Link	161-26078

Hook

Pedicle Hook

Lamina Hook

Lamina Hook is used to engage in lamina or transverse process.



Description	H/mm	W/mm	Item No.
Pedicle Hook	5	8	156-18052
Pedicle Hook	7	8	156-18072
Pedicle Hook	9	8	156-18092
Lamina Hook	7	5	156-05072
Lamina Hook	9	5	156-05092
Lamina Hook	7	7	156-07072
Lamina Hook	9	7	156-07092

Description	Item No.
Offset Hook Left	156-37092
Offset Hook Left	156-37112
Offset Hook Right	156-27092
Offset Hook Right	156-27112

Connector Block

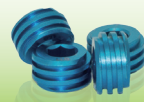
It connects to different diameters of Fixation Rods in parallel or axial directions.



Description	Item No.
Domino Connector Block(short)	5.5/5.5 142-02572
Domino Connector Block(short)	5.5/6.0 142-02612
Axial Connector Block	5.5/5.5 142-12572
Axial Connector Block	5.5/6.0 142-12612

Star Set Screw

Star Set Screw features square thread design enhancing construct rigidity. Innovative thread design prevents loosening screw cup expanding and the potential of thread crossing.



Description	Item No.
Star Set Screw Ø 9mm	174-07028

SmartLoc[®]

Evolution System

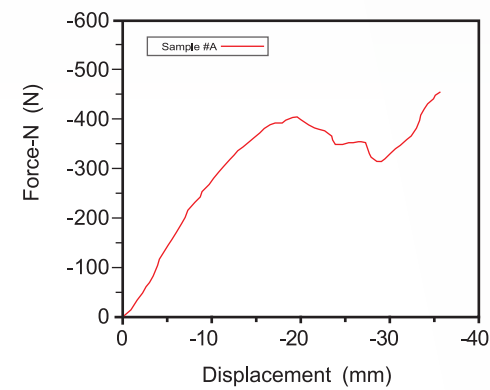


CANNULATED DESIGN

TOP-LOADING SYSTEM

THREE POINTS FIXATION
MONOAXIAL & POLYAXIAL SCREWS

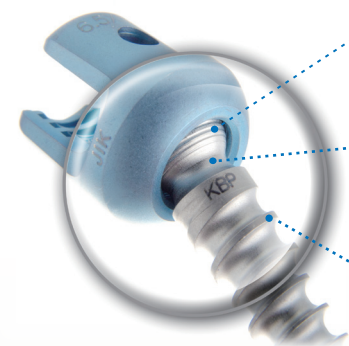
Static Construct Test (Polyaxial Screw) (ASTM F1717)
HL90125/2007/Spinal Fixation System (Polyaxial Screw)



Compressive bending ultimate load 355 N

Static Torsional Test (ASTM F1717)

Screw	Poly-axial Screw
Mode	Torsion
Yield Strength	10.07 Nm
Stiffness	3.44 Nm/degree
Yield angular displacement	4.81 degree



Screw Head

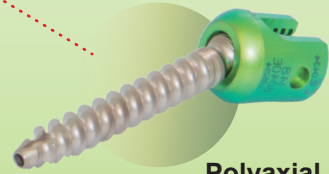
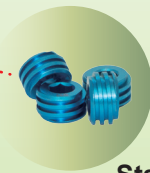
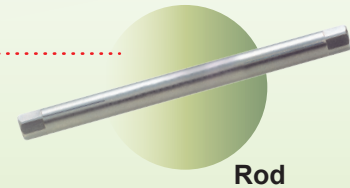
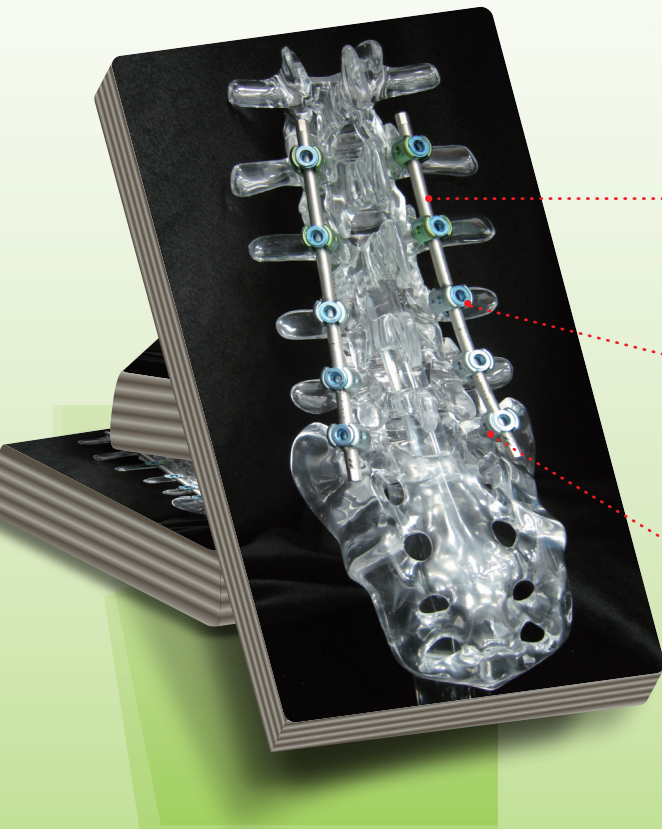
With micro steps provide a solid locking mechanism.

Screw Neck

Diameter of shaft maximizes the ultimate strength and optimal fixation. Smooth shaft length allows for one full turn of dorsal adjustment.

Screw Thread

Blunt and square cone thread design provides a linear rate of compression that ensures maximum fixation.



Ø 5.0mm Ø 5.5mm Ø 6.0mm Ø 6.5mm Ø 7.0mm

Color code with screw cup size

Polyaxial Cannulated Screw

Description	Item No.				
Polyaxial Cannulated Screw	Ø 5.0mm	Ø 5.5mm	Ø 6.0mm	Ø 6.5mm	Ø 7.0mm
L 35 mm	148-5030E	148-5535E		148-6535E	148-7035E
L 40 mm	148-5035E	148-5540E	148-6040E	148-6540E	148-7040E
L 45 mm		148-5545E	148-6045E	148-6545E	148-7045E
L 50 mm			148-6050E	148-6550E	148-7050E
L 55 mm				148-6555E	148-7055E

Polyaxial Cannulated Long Arm Screw

Description	Item No.				
Polyaxial Cannulated Long Arm Screw	Ø 5.0mm	Ø 5.5mm	Ø 6.0mm	Ø 6.5mm	Ø 7.0mm
L 35 mm					149-7035E
L 40 mm			149-6040E	149-6540E	149-7040E
L 45 mm			149-6045E	149-6545E	149-7045E
L 50 mm			149-6050E	149-6550E	149-7050E
L 55 mm				149-6555E	149-7055E

Monoaxial Cannulated Screw

Description	Item No.				
Monoaxial Cannulated Screw	Ø 5.0mm	Ø 5.5mm	Ø 6.0mm	Ø 6.5mm	Ø 7.0mm
L 30 mm	146-5030E				
L 35 mm	146-5035E	146-5535E			146-7035E
L 40 mm		146-5540E	146-6040E	146-6540E	146-7040E
L 45 mm		146-5545E	146-6045E	146-6545E	146-7045E
L 50 mm			146-6050E	146-6550E	146-7050E
L 55 mm				146-6555E	146-7055E

Monoaxial Cannulated Long Arm Screw

Description	Item No.				
Monoaxial Cannulated Long Arm Screw	Ø 5.0mm	Ø 5.5mm	Ø 6.0mm	Ø 6.5mm	Ø 7.0mm
L 40 mm			147-6040E	147-6540E	147-7040E
L 45 mm			147-6045E	147-6545E	147-7045E
L 50 mm			147-6050E	147-6550E	147-7050E
L 55 mm				147-6555E	147-7055E