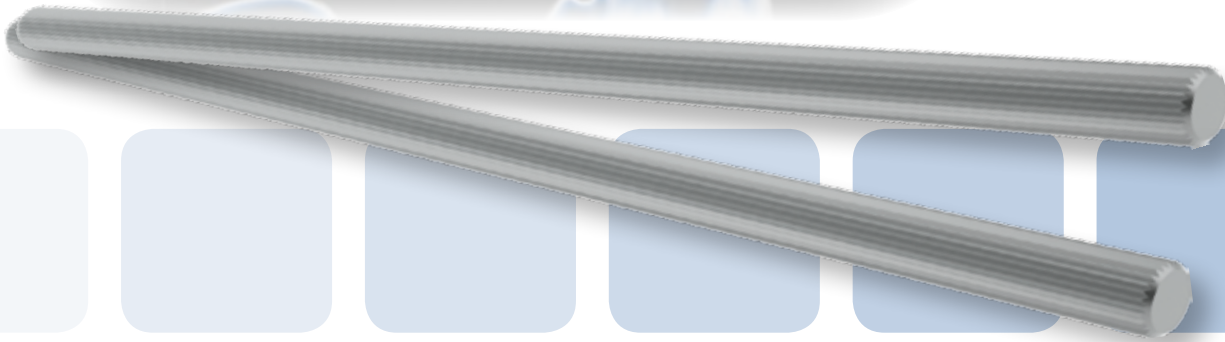
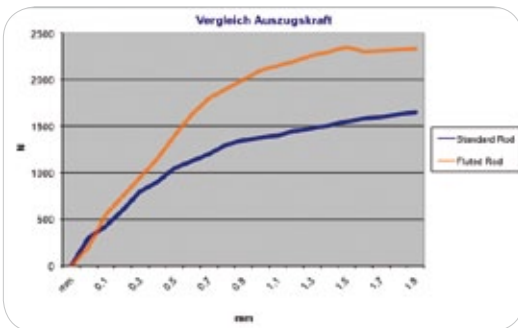


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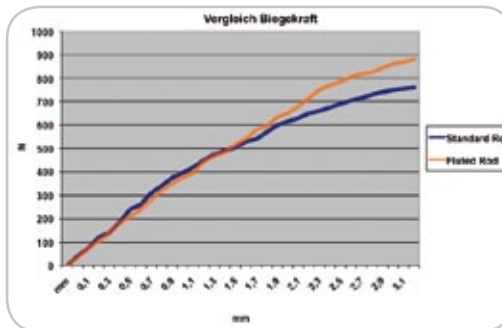
Rods for Scoliosis



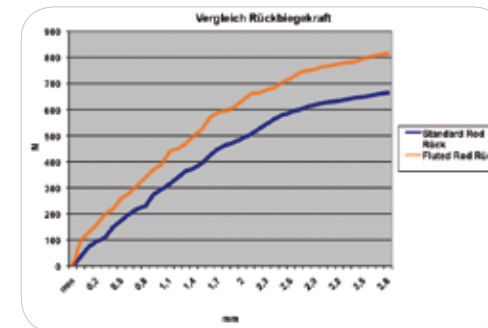
Higher Pullout strength



Higher Bending strength



Higher Reverse Bending strength



- The fluted rods show in all combination with the different screw heads a higher pullout strength than the standard titanium rods.

This effects a better fixation of the rods in the screw heads. With the Polyaxial Screws and the Cannulated Polyaxial Screws the increase of the value is about 50 %. With the Monaxial Screws the increase is about 10 %.

The increase of the Polyaxial- and Cannulated Polyaxial Screws is caused by a punctual deformation at the contact between the fluted head of the screw and the fluted rod which causes a higher initial resistance before movement.

- The Bending strength of the fluted rod are appx. 15% higher than the standard screws.
- The Strength of reverse bending of the fluted rod is appx. 10% higher than the reverse bending strength of the standard titanium rod. This results in a higher stability of the fluted rod after fixation.
- With the same displacement the fluted rod show a smaller bending angle with a higher bending force as the standard titanium rods.

Art.No.	Description	Diameter	Length
1001080105	Fluted Rod 50mm	5,5 mm	50 mm
1001080110	Fluted Rod 100mm	5,5 mm	100 mm
1001080115	Fluted Rod 150mm	5,5 mm	150 mm
1001080120	Fluted Rod 200mm	5,5 mm	200 mm
1001080130	Fluted Rod 300mm	5,5 mm	300 mm
1001080135	Fluted Rod 350mm	5,5 mm	350 mm
1001080140	Fluted Rod 400mm	5,5 mm	400 mm
1001080150	Fluted Rod 500mm	5,5 mm	500 mm

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