

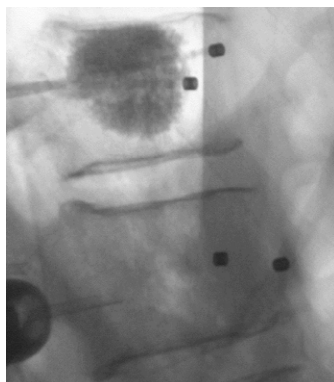
inspired by nature – built by icotec

## VADER® PEDICLE SYSTEM

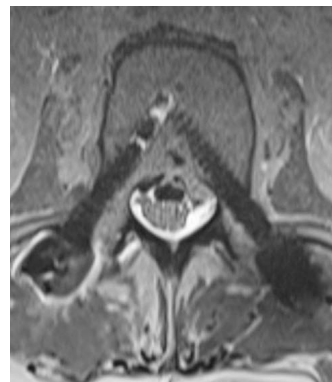
Factsheet



Carbon/PEEK implant material from icotec



**X-ray**  
BlackArmor® Carbon/PEEK pedicle screws  
with cement augmentation



**MRI**  
BlackArmor® Carbon/PEEK pedicle screws



**CT**  
BlackArmor® Carbon/PEEK pedicle screws  
and titanium rods

## VADER® Pedicle Screws

Description	Diameter	Length	Increments	Reference number
Screws, made of BlackArmor® Carbon/PEEK, polyaxial, cannulated, fenestrated	4.5 mm	25–50 mm	5 mm	16-6022-545xx
	5.5 mm	25–55 mm	5 mm	16-6022-555xx
	6.5 mm	30–60 mm	5 mm	16-6022-565xx
	7.5 mm	35–60 mm	5 mm	16-6022-575xx

## Cement Cannulas

Description	Packaging unit	Reference number
Cement Cannula	1 pc.	42-420

## BlackArmor® and Titanium Rods

Description	Curvature	Diameter	Radius	Length	Increments	Reference number
Rods, made of BlackArmor® Carbon/PEEK	Straight	6.0 mm	000	40–100 mm	10 mm	16-60-700xx
	Straight	6.0 mm	000	120–160 mm	20 mm	16-60-700xx
	Curved	6.0 mm	120	40–100 mm	10 mm	16-60-712xx
	Curved	6.0 mm	450	100–160 mm	20 mm	16-60-745xx
J-rods, made of BlackArmor® Carbon/PEEK: combination of straight (radius = 000 mm) and curved (radius = 450 mm)	Straight and curved	6.0 mm	000 and 450	50/100 mm	–	16-60-70510-9
				60/100 mm	–	16-60-70610-9
Rods, made of BlackArmor® Carbon/PEEK	Curved	6.0 mm	120	120 mm	–	16-60-21212
	Curved	6.0 mm	450	180–240 mm	20 mm	16-60-245xx
S-rods, made of BlackArmor® Carbon/PEEK, multi curved	Multi curved	6.0 mm	Multi curved	300 mm	5 types of S-rods	16-60-2MC30-x
Rods, made of titanium	Straight	6.0 mm	000	40–100 mm	10 mm	16-60-800xx
				120–200 mm	20 mm	
				250, 300, 400, 500 mm	–	

## Titanium Nut Screw

Description	For rod diameter	Reference number
Nut Screw, made of titanium	6.0 mm	16-57-41000

## Titanium Cross-Links

Description	Width	Reference number
Cross-Links, made of titanium	30–34 mm	16-57-93034
	33–42 mm	16-57-93442
	40–53 mm	16-57-94053
	50–70 mm	16-57-95070

**NOTE:** The VADER® pedicle screws, the BlackArmor® rods, the titanium rods, and the titanium nut screws are suitable for open and minimally invasive surgery.

Information needed to use the device and a glossary of symbols that may appear on the product labeling and the meaning of the symbols are made available in electronic form; current and previous versions can be downloaded in electronic form at [ifu.icotec-medical.com](http://ifu.icotec-medical.com) (code = **REF**) or can be requested by email or phone from icotec. On request, icotec will provide a paper version within seven calendar days at no charge. The electronic versions can be viewed with a freely available PDF reader (e.g., Adobe Acrobat Reader, which can be downloaded at [www.adobe.com](http://www.adobe.com)).



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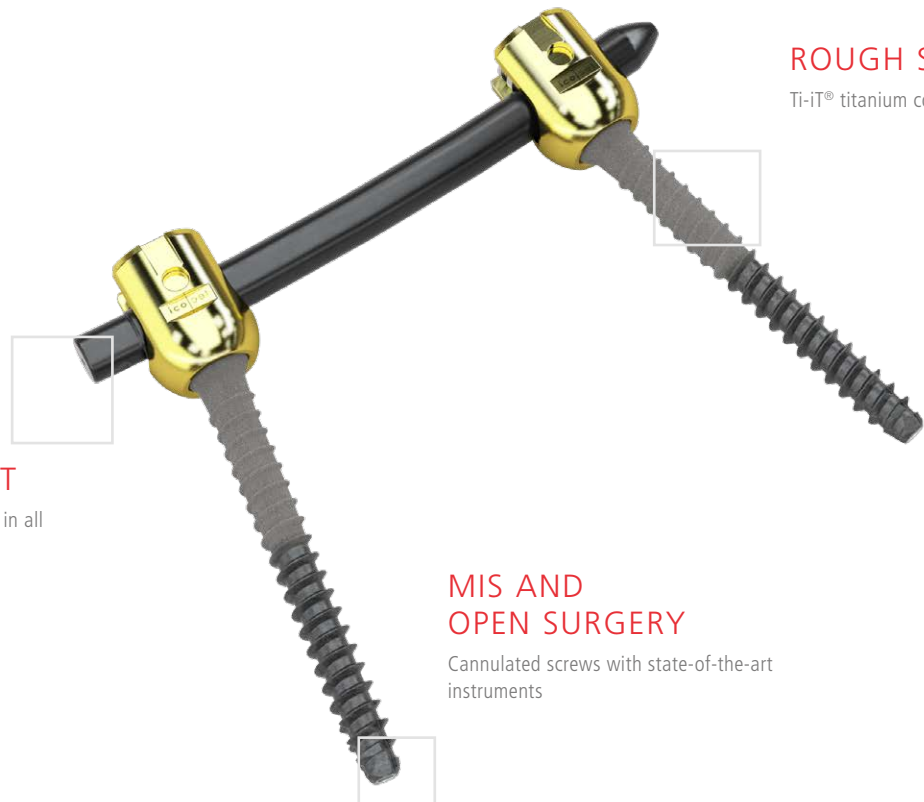
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## ROUGH SURFACE

Ti-iT® titanium coating

## TUMOR TREATMENT

BlackArmor® material is radiolucent in all diagnostic imaging modes

## MIS AND OPEN SURGERY

Cannulated screws with state-of-the-art instruments

inspired by nature – built by icotec

## VADER®ONE PEDICLE SYSTEM

### Factsheet

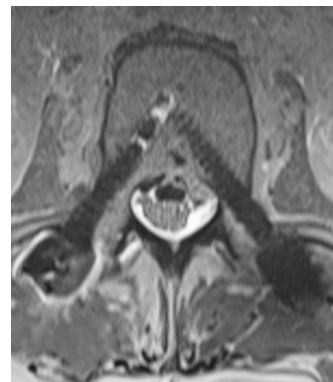


Carbon/PEEK implant material from icotec



X-ray

BlackArmor® Carbon/PEEK pedicle screws



MRI

BlackArmor® Carbon/PEEK pedicle screws



CT

BlackArmor® Carbon/PEEK pedicle screws and titanium rods

– ALL IMPLANTS ARE STERILE PACKED –

## VADER®one Pedicle Screws

Description	Diameter	Length	Increments	Reference number
Screws, made of BlackArmor® Carbon/PEEK, polyaxial, cannulated	5.5 mm	25–55 mm	5 mm	16-6023-555xx
	6.5 mm	30–60 mm	5 mm	16-6023-565xx
	7.5 mm	35–60 mm	5 mm	16-6023-575xx

## BlackArmor® Rods

Description	Packaging unit	Curvature	Diameter	Radius	Length	Increments	Reference number
Rods, made of BlackArmor® Carbon/PEEK	2 pcs.	Straight	6.0 mm	000	40–100 mm	10 mm	16-60-700xx
		Straight	6.0 mm	000	120–160 mm	20 mm	16-60-700xx
		Curved	6.0 mm	120	40–100 mm	10 mm	16-60-712xx
		Curved	6.0 mm	450	100–160 mm	20 mm	16-60-745xx
J-rods, made of BlackArmor® Carbon/PEEK: combination of straight (radius = 000 mm) and curved (radius = 450 mm)	2 pcs.	Straight and curved	6.0 mm	000 and 450	50/100 mm	–	16-60-70510-9
					60/100 mm	–	16-60-70610-9
Rods, made of BlackArmor® Carbon/PEEK	1 pc.	Curved	6.0 mm	120	120 mm	–	16-60-21212
	1 pc.	Curved	6.0 mm	450	180–240 mm	20 mm	16-60-245xx
S-rods, made of BlackArmor® Carbon/PEEK, multi curved	1 pc.	Multi curved	6.0 mm	Multi curved	300 mm	5 types of S-rods	16-60-2MC30-x

## Titanium Rods

Description	Packaging unit	Curvature	Diameter	Radius	Length	Increments	Reference number
Rods, made of titanium	2 pcs.	Straight	6.0 mm	000	40–100 mm	10 mm	16-60-800xx
					120–200 mm	20 mm	
					250, 300, 400, 500 mm	–	

## Titanium Nut Screw

Description	Packaging unit	For rod diameter	Reference number
Nut Screw, made of titanium	2 pcs.	6.0 mm	16-57-41000

## Titanium Cross-Links

Description	Width	Reference number
Cross-Links, made of titanium	30–34 mm	16-57-93034
	33–42 mm	16-57-93442
	40–53 mm	16-57-94053
	50–70 mm	16-57-95070

**NOTE:** The VADER®one pedicle screws, the BlackArmor® rods, the titanium rods, and the titanium nut screws are suitable for open and minimally invasive surgery.

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