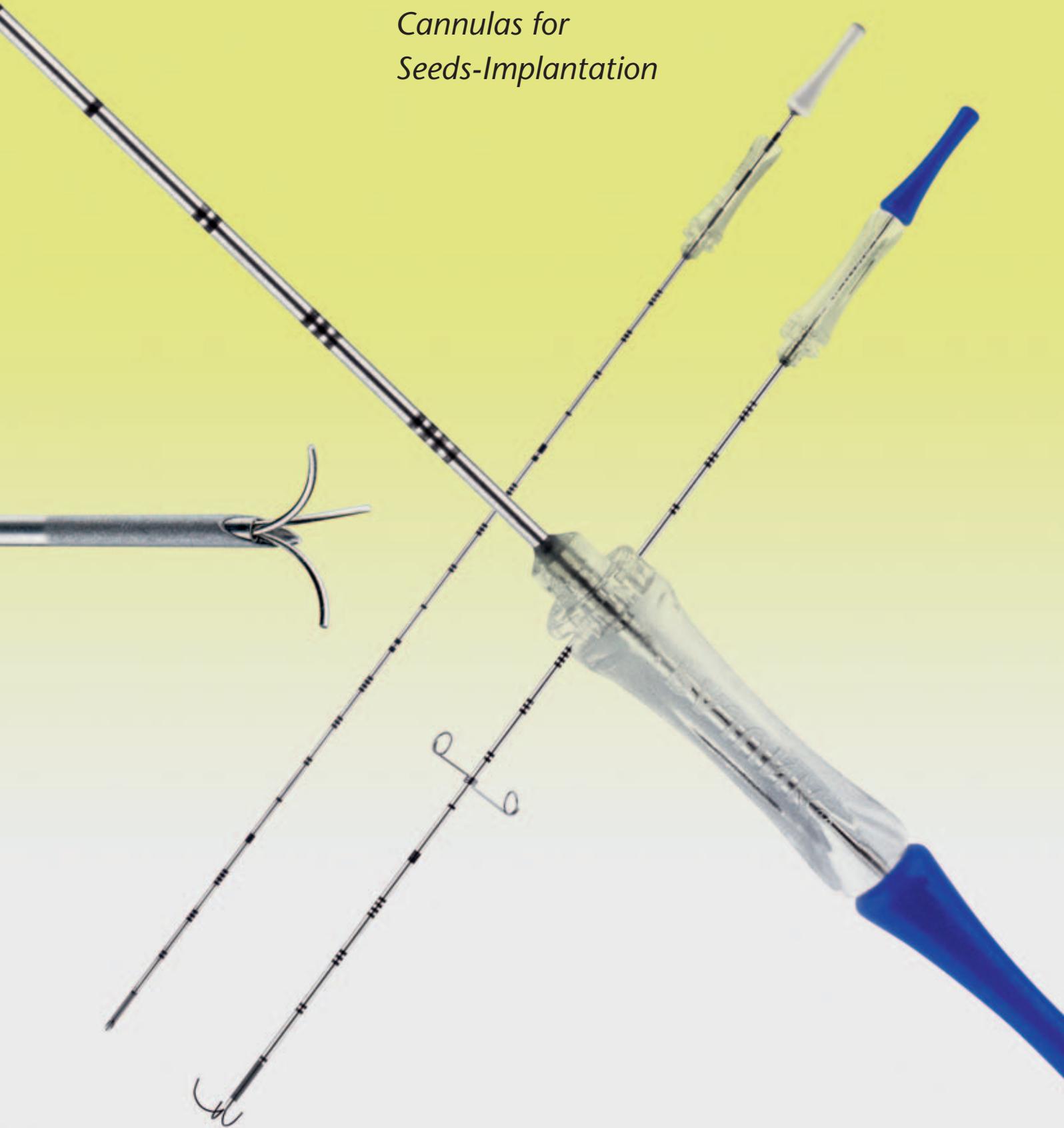


**PAJUNK®**

*DeltaFix / DeltaSeed*

*Cannulas for  
Seeds-Implantation*



Organ puncture

## Quality through adaptation

# A new degree of precision for a gentle procedure

*The correct adaptation to individual requirements makes interventions safer: DeltaSeed and DeltaFix from PAJUNK® are the first cannulas of the world which were developed especially for radiation treatment of prostate gland carcinomata using radioactive seeds. In close cooperation and continuous coordination with leading physicians.*

*From the sandblasted tip over the slim handle up to the longitudinal graduation: the characteristic features of the cannulas ensure simpler handling, and they provide more safety. The innovative conception of DeltaSeed and DeltaFix makes the implantation easier for the patient, and it guarantees a gentler and more agreeable procedure in comparison with radical prostatectomy. The cannulas ensure better viewing during application, and they can be optimally identified using ultrasound due to the sandblasted tip.*



### Fixation cannula DeltaFix

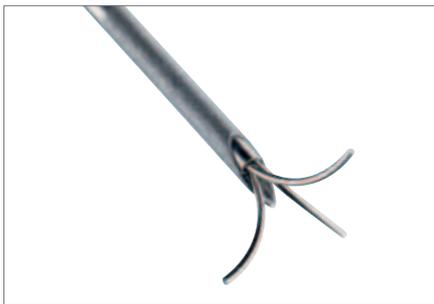
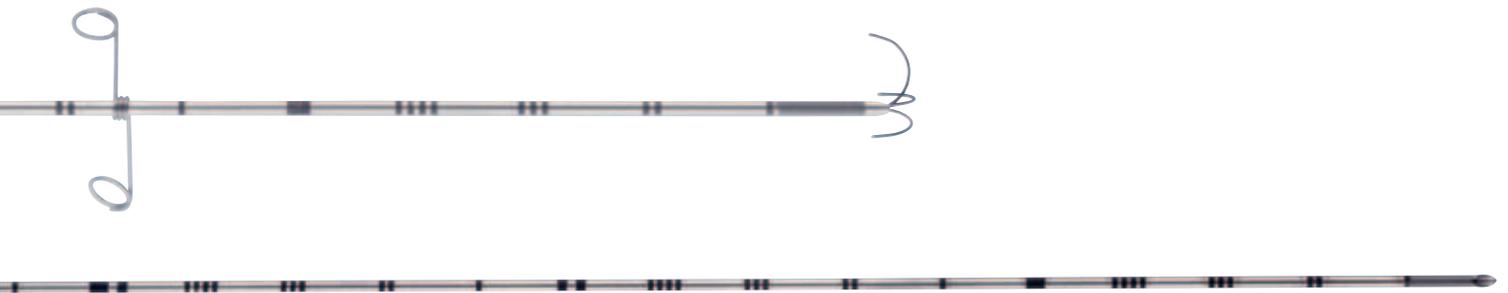
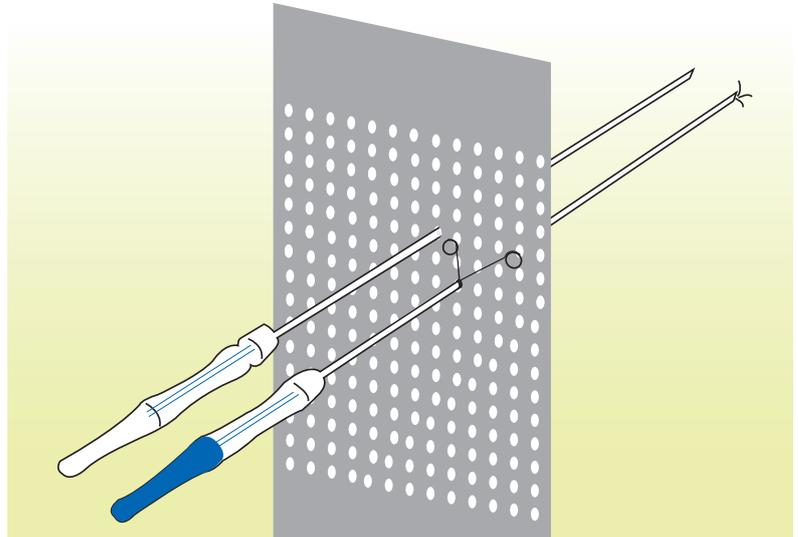
Three hooks constitute the tip of the inner stylet of the fixation cannula. After puncture of the prostate gland, these hooks are extended, thus stabilizing the organ in the desired position.

The fixation adapter in the middle of the cannula locks the prostate gland in position directly at the puncture matrix – specifically in a position suitable for the X-ray examination and the intervention.



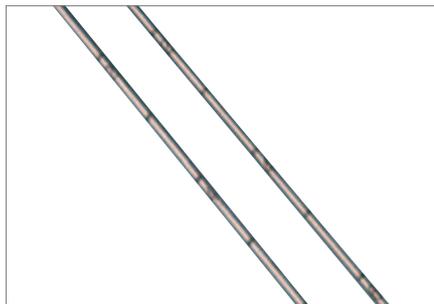
### Seeding cannula DeltaSeed

Each seeding cannula has the capacity to hold up to 10 seeds containing radioactive isotopes. The cannula is filled with seeds prior to the intervention, then it is sealed and carefully positioned through the template as intended. DeltaSeed has an extremely sharp tip; the special geometry of the grind prevents the organ from backing away during performance of the puncture. Slim handles allow for effortless placement in confined surroundings – even if a large number of cannulas is involved.



**Greater visibility as a result of a sandblasted surface**

The rough structure of the tip is characteristic for DeltaSeed and DeltaFix. Identifiable using ultrasound, the 10 mm short section provides reliable information regarding the position of every single cannula.



**Longitudinal graduation**

DeltaSeed and DeltaFix, respectively, have a longitudinal graduation starting from the middle of the cannula and extending up to the shoulder at the rear end. The dual markings using numbers and lines allow the penetration depth and the positioning of the cannula and the needle (retraction level) to be determined fast and safely at one glance.



**Uncomplicated handling**

The implantation of the seeds is carried out on a small area. The instruments should therefore also require as little room as possible. A thin stylet and a slim handle are the outstanding features of the DeltaSeed and DeltaFix cannulas.

# The systems at a glance

## DeltaFix



Fixation cannulas DeltaFix are individually packed sterilely in units of five pieces each.

Product	Size	Item no.	PU
Fixation cannula DeltaFix, Inner stylet with three extendable hooks and fixation adapter	18 G x 150mm	319S130150	5

## DeltaSeed



The packing unit for DeltaSeed amounts to 25 pieces. Four of the boxes contain five cannulas each, another five cannulas are packed individually.

Product	Size	Item no.	PU
Seeding cannula DeltaSeed, puncture- and application cannula with depth graduation and fixation adapter	18 G x 200mm	320S130200	25

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