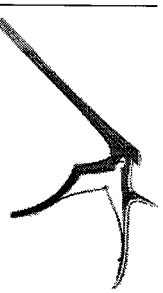
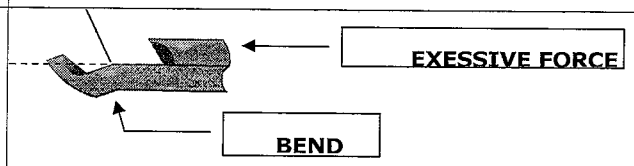
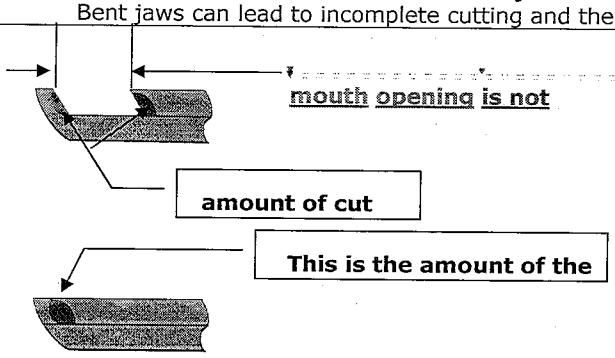
GEBRUEDER ZEPF MEDIZINTECHNIK GMBH & CO KG

Application and special Safety Instructions for Kerrison Laminectomy Punches



Please **read carefully before using** the punches!

By purchasing Kerrison Laminectomy Punches from **Gebrueder Zepf,** you have obtained a high quality instrument.
If you pay attention to the following points, the reliability and function will be assured for a long time.

Reprocessing and Maintenance	The reprocessing (sterilization) & maintenance of instruments is not described in this instruction. For these processes, please note our "Instructions for Use Reprocessing" This instruction gives manufacturer's advice for the proper use, secure handling and functional explanations of this instrument.
Before First Use	All instruments delivered by Gebrueder Zepf are non-sterile and must be cleaned and sterilized before first use.
Potential Application Failures	Instructions
Jaws Bending	 • By using excessive force to close a punch, the jaws can bend and a correct functioning of the instrument is no longer guaranteed. • If the punch is dropped on the floor the jaws can also bend or break. Bent jaws can lead to incomplete cutting and the punch seizing up.
Overrating the capacity of the punch	 • Its application in a particular surgery and the size and shape of the

Gelöscht: Aufgang = nicht Schnittmenge
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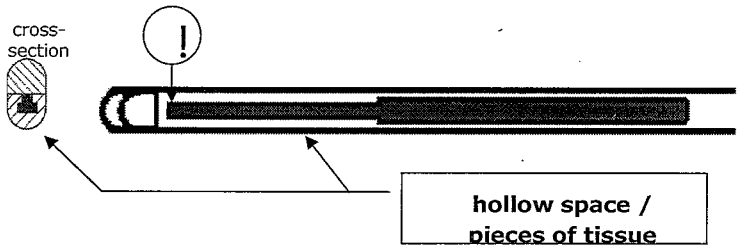
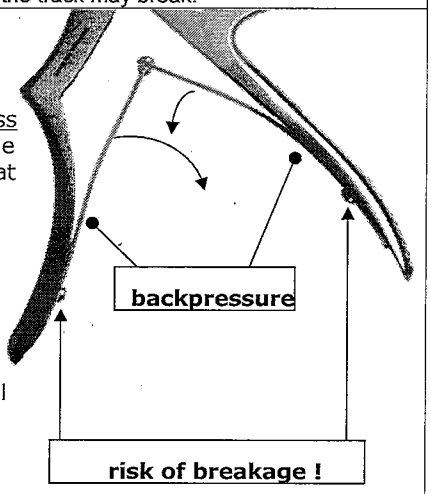
	punch should be considered before using the punch! • Too small a punch can be overloaded easily • The amount of material to be cut must be considered as a punch cannot cut an unlimited amount of material. Multiple smaller bites should be taken rather than one large bite. • A punch can only cut as much material as the cups in the footplate and sliding shaft jaw can hold.
Material to be cut	A punch is only designed to cut tissue, cartilage, soft spongiosa, and similar materials.
The Guidance System of the punch	 • The guidance system of the punch on the lower shaft is a T-shaped hollow space, where pieces of tissue can accumulate and compress. This obstruction will keep the upper shaft from closing fully, so that the punch will no longer cut. The compressed tissue must be removed with a sharp device. • Excessive force, as specified above, can damage the guidance system. The sliding shaft can be forced upward and the track may break.
The springs of the handle incorrect fixing may cause problems	The springs of the handle can break easily, if the springs are fixed incorrectly. The screw hole is the weakest part of the spring. Never press the springs down to adjust them. If the spring is pressed down, the pressure at the weak screw hole can cause the spring to break. We recommend our customers adjust the springs by using backpressure to push them up and back with the thumbs, working with the natural inclination of the spring. Guide the ball and socket of the spring into place when releasing the backpressure. Fortunately, we can replace springs anytime. 
Repairs	Faults requiring repair are rare if the guidelines mentioned above are carefully followed. Should you, however, return a punch requiring repairs, we would kindly ask

	you to clean and disinfect it before returning.
Additional Information	Guarantee claims are void if it is found that the instruments have been handled incorrectly!
Manufacturer Contact :	(Postbox, see above) Tel.: 0049 7424 95 72 0 FAX: 0049 7424 95 72 40 email : gebr.zepf@t-online.de