

# arthronet® BLACKLINE SHAVER BLADES – DIRECTIONS FOR USE

The arthronet® BLACKLINE shaver blades are designed to be used during arthroscopic surgical procedures. Prior to their initial use and immediately after every use thereafter, the blades must be cleaned and sterilized as follows:



After use, disassemble the product by pulling the inner blades from the outer blades.  
With the models: 13xxxx, 15xxxx und 17xxxx, the inner adapter can be removed by pulling the blade until it releases from the adapter.

NOTE: The outer blades and adapter cannot be disassembled.  
The blades should be immediately rinsed and cleaned according to hospital policy. Acceptable cleaning methods include hand scrubber, steam cleaner, surgical instrument dishwasher or ultrasonic cleaner. Pay special attention to any areas where debris may accumulate. Following the cleaning process, rinse the blades and adapters thoroughly with water. The use of alkaline cleaning agents can lead to color modifications, which do not influence however the function negatively!

After cleaning examine the components thoroughly.  
Damaged, bent or worn blades must be replaced immediately with a completely new blade. The individual components of the blades system cannot be replaced, only a new BLACKLINE blade system must be used.

After the product has been inspected, the model 13xxxx, 15xxxx, 17xxxx inside blades and adapter must be assembled. Insert the inside blade into the inside adapter and rotate the blade until it locks into place - no more than 180 degrees.

It is imperative that **only** components **with same color markings** be combined. The inner and outer blades can now be steam sterilized at 134° C and 2 Bar. As in any case, validated and certified sterilization procedure should be used, which corresponds to the current hospital hygiene regulations. Prior to use, the inner blades is placed into the appropriate outer blades and engaged with slight pressure. Again, it is imperative that **only** components with same color markings be combined.

The BLACKLINE shaver blade is now ready for use with the hospital shaver system according to the shaver systems direction for use.

Deviating from the operating instruction of the manufacturer the blade 15xxxx in the appropriate hand-piece locks with a simple push into the drive opening and can be released again by pulling. With the withdrawal the long positioning pin can be used still as an expressing assistance. Pressing of a release key, like with the original, is not necessary.

## Warning!

The blades should not be used and changed out immediately if one or more of the following are indicated:

- Either blade is mechanically damaged. (Picture 1)
- The cutting edges are damaged or blunt. (Picture 2)
- Non-symmetrical and / or friction of the blades (i.e. mechanical deformation). (Picture 3)
- The blade has not been used more than three times. (Picture 4)

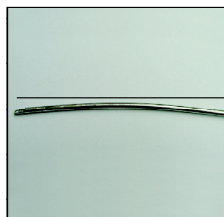
Picture 1



Picture 2



Picture 3



Picture 4



Mechanical damage of the blade during use must be avoided, in case it comes rubbed off between the cutting areas. Whereabouts of the particles in the joint can lead to complications.

For safety reasons, the indicated shaver blade speed range (RPM) must be observed. The blade are to be used and sterilized only by the technically qualified personnel! The blades must be sterilized before use.

CE 0482



## Blackline-Blades /Box=5 for Shaver-Systems

	mm	Arthrex LinvaTec Cat.-No.	Dyonics EP1 Cat.-No.	Aesculap Cat.-No.	Stryker K6 / K12 Cat.-No.	ECO 1+2 Cat.-No.
	3,5	133135	153135	163135	173135	121135
	4,2	133142	153142	163142	173142	121142
	5,5	133155	153155	163155	173155	121155
	4,2	133242	153242	163242	173242	121242
	3,5	133335	153335	163335	173335	121335
	4,2	133342	153342	163342	173342	121342
	5,5	133355	153355	163355	173355	121355
	3,5	133435	153435	163435	173435	121435
	4,2	133442	153442	163442	173442	121442
	5,5	133455	153455	163455	173455	121455
	4,2	133542	153542	163542	173542	121542
	4,2	133642	153642	163642	173642	121642
	5,5	133655	153655	163655	173655	121655
	6,5	133665	153665	163665	173665	121665
	5,5	133755	153755	163755	173755	121755
	6,5	133765	153765	163765	173765	121765
	5,5	133855	153855	163855	173855	121855
	6,5	133865	153865	163865	173865	121865
	4,2	133942	153942	163942	173942	121942
	4,2	134342	154342	164342	174342	122342
	4,2	134542	154542	164542	174542	122542