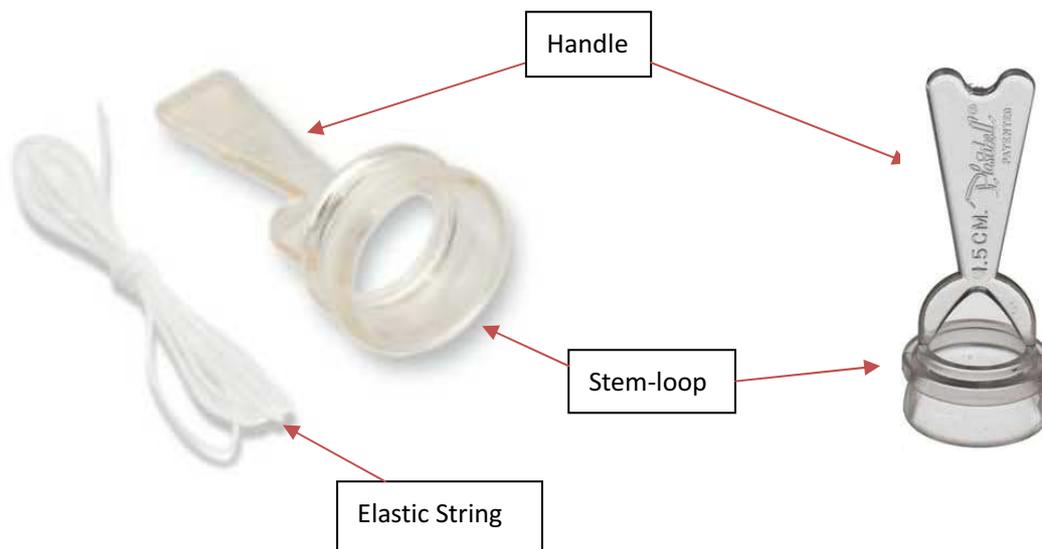


# Product Comparison

September 9, 2013

## 1. Structural Drawing for Circumcision Ring and Briggs Plastibell :

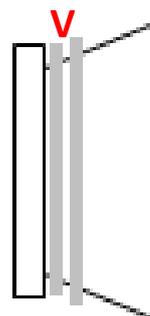
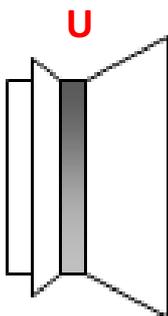


## 2. The differences between the Circumcision Ring and the Briggs Plastibell

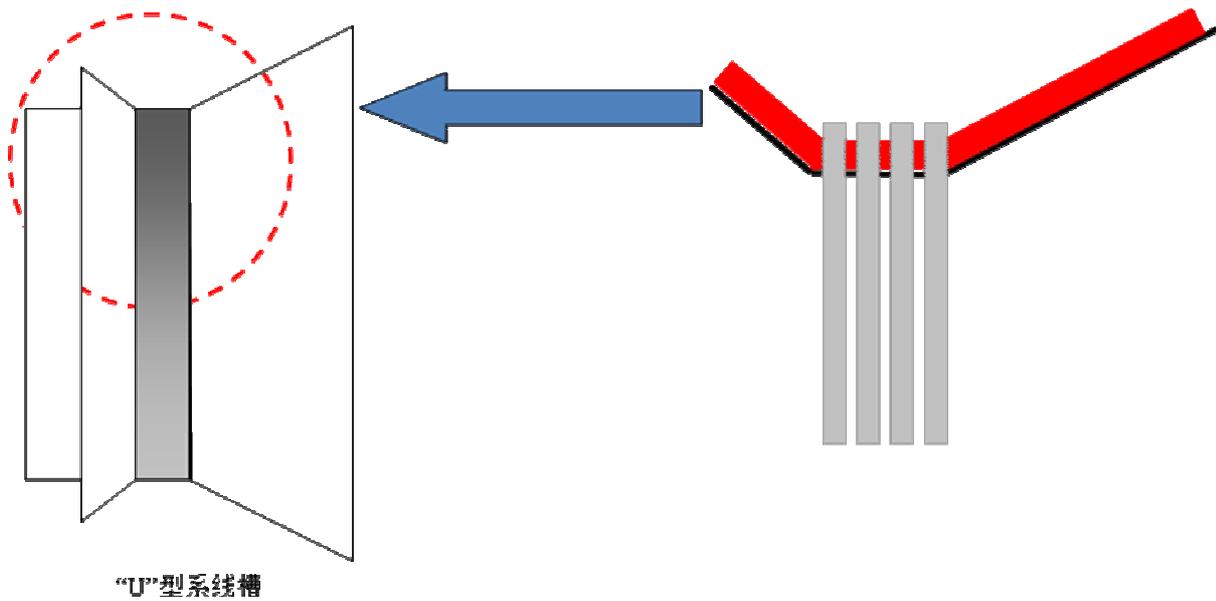
### 2.1 Cord groove

Circumcision Ring: "U" type

Briggs Plastibell: "V" type

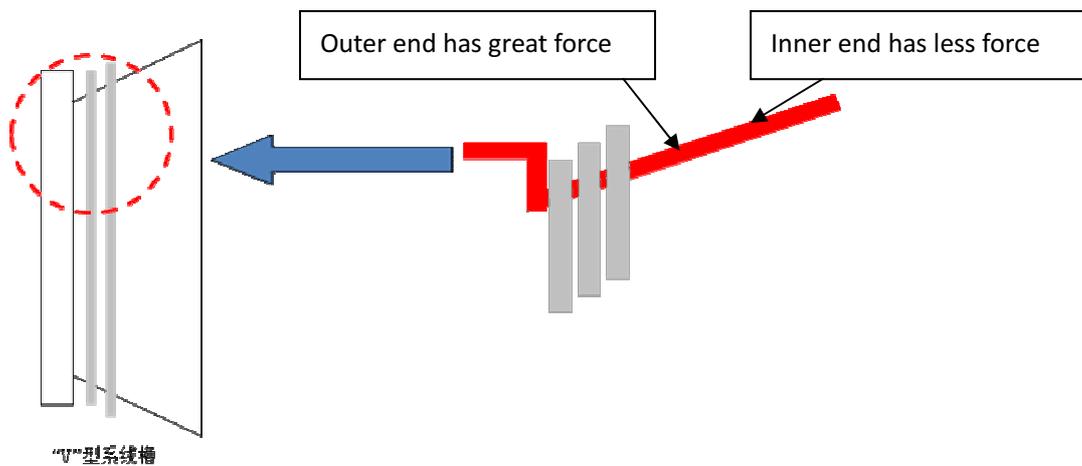


- Circumcision Ring's cord groove analysis:



Circumcision Ring is using the U type cord groove, all elastic cord can be evenly distributed on the same plane , ensure adequate resection end necrosis of blood vessels and nerves, to reduce the risk of infection.

- Briggs Plastibell's cord groove analysis:

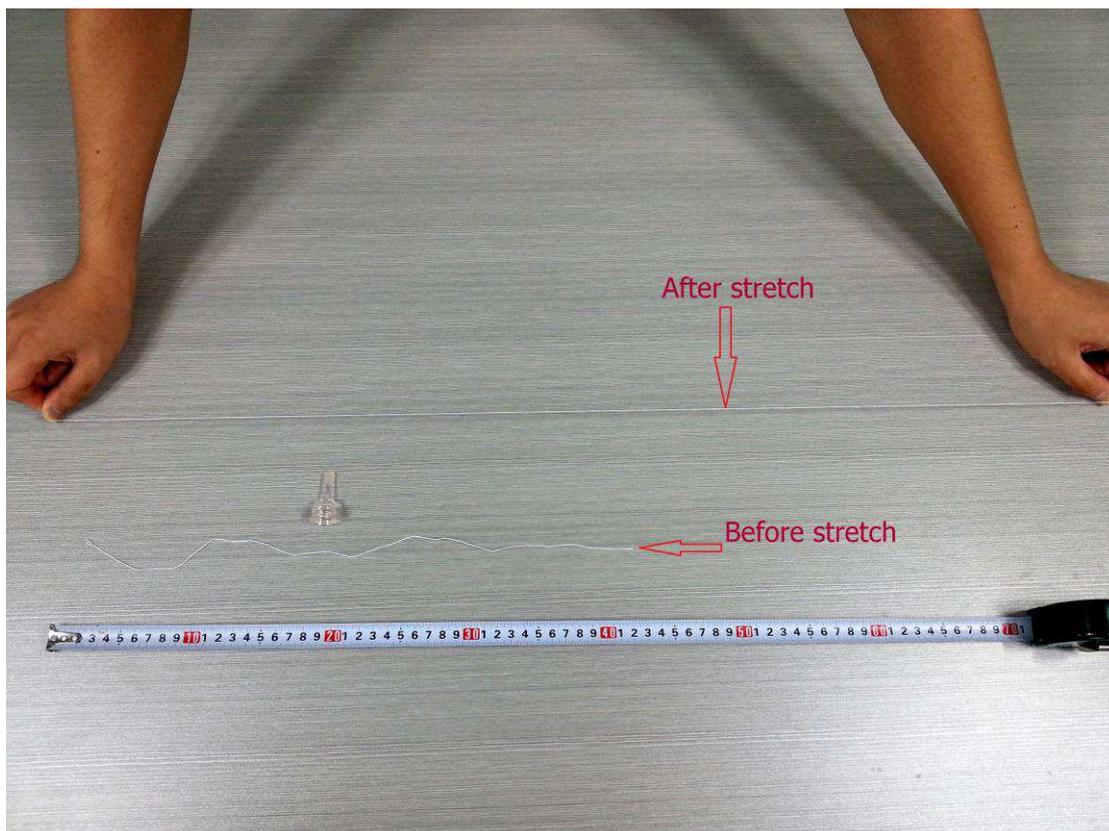


Briggs Plastibell is using the V type cord groove, with cotton thread winding

outside the fixed end force is bigger , and the inner gets smaller force, cannot guarantee the full cut the vessels and nerves, has a high infection rate.

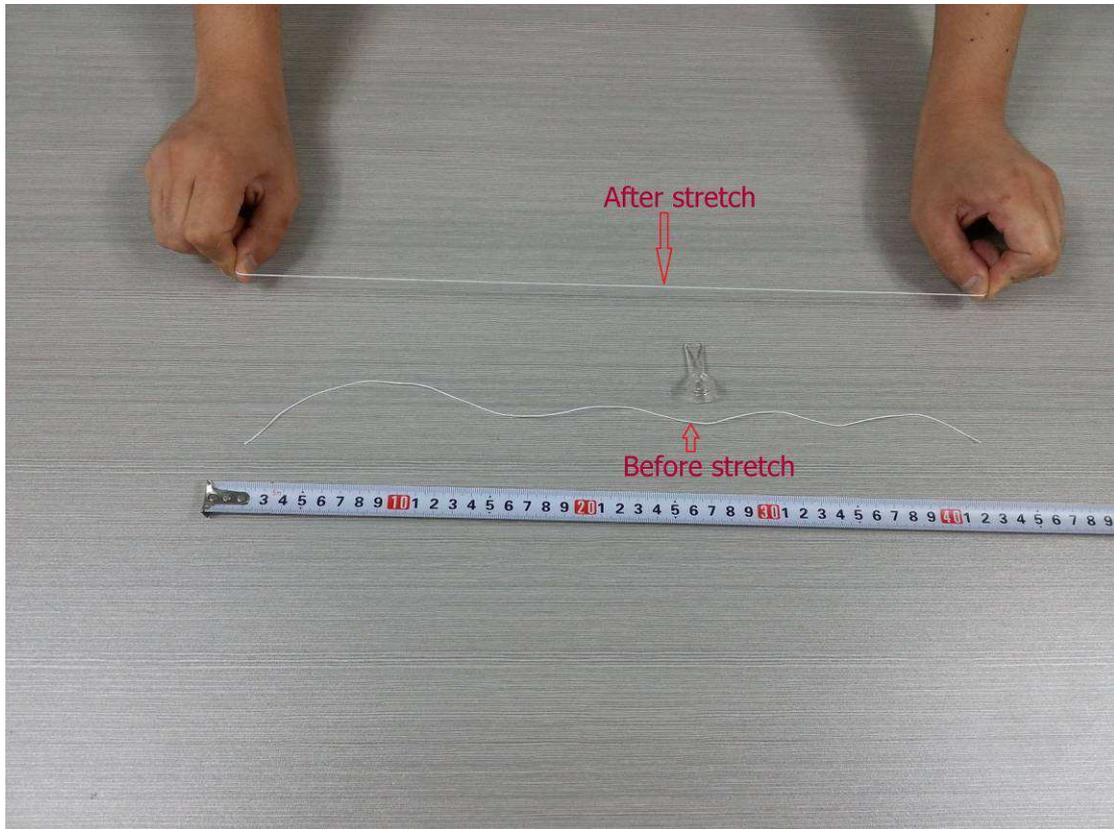
## 2.2 Elastic cord

- Circumcision Ring (Please see the picture as following) is using the elastic cord the elastic cord itself has its own elastic, After the operation the contractile force of elastic cord can firmly hold the residual foreskin, prevent the wound from cracking before restoring .And as the postoperative recovery period with the wound can fall off automatically.



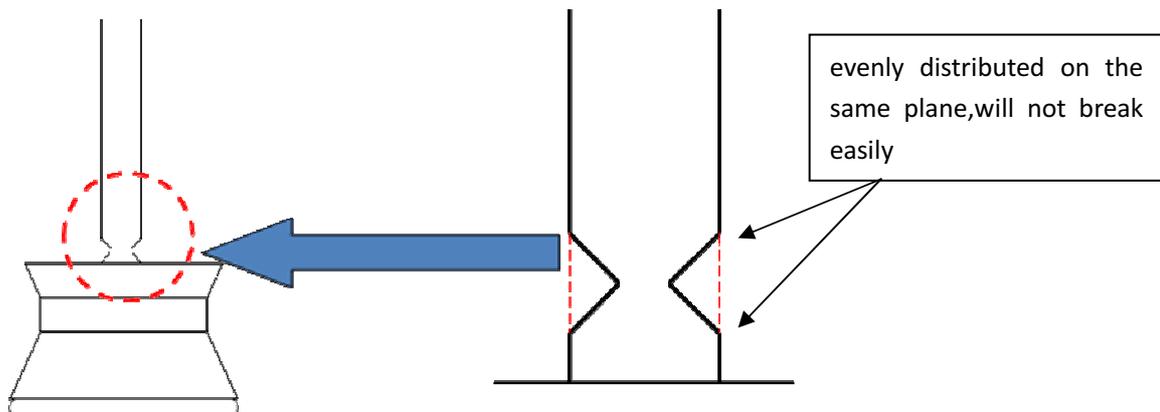
- Briggs Plastibell (Please see the picture as following) used pure cotton has no elastic and contractile force, postoperative cannot be firm to the wound, it will slip easily before the wound' s recovery **\*Especially the adolescent children**

appear erectile phenomenon, penis and glans repeatedly erection, if using pure cotton cord instead of elastic cord, after several erectile the cotton cord will fall off.



### 2.3 Handle & Sharp edge

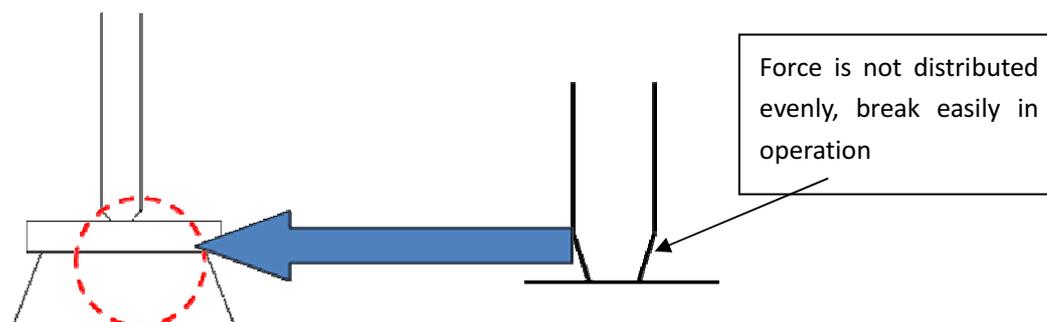
- Circumcision Ring:



Circumcision Ring is using the double V type handle, guarantee the

sturdiness of the handle before breaking. Suggest using surgery scissors to cut along the V mouth directly to remove the handle. This will prevent causing sharp edges. Sharp edges is harmful to human body. In addition the handle is a link between the Stem-loop and handle, so it has to be sturdiness, to ensure the operation is complete in once, reduce the risk of operation for the patient. small spikes does not affect the health of patient and the operation process.

– Briggs Plastibell



The handle of the Circumcision Ring that Briggs Plastibell is using is oblique notch, can be break easily, but the angle of the oblique notch is different, the angle of the bigger end is having a bigger force and break easily during the operation. Cause the operation to be repeating again and higher up the operation risk of the patient.

This product uses the materials material is soft, so after it breaks, will not feel any sharp edges .

## 2.4 Material:

- Circumcision Ring: material passes the “Cytotoxicity” test.

检测项目	技术要求	检测结果	结论
无 菌	应无菌生长	无菌生长	合格
细胞毒性	应无细胞毒性反应	无细胞毒性反应	合格
皮内刺激	应无皮内刺激反应	无皮内刺激反应	合格
皮肤过敏	应无皮肤过敏反应	无皮肤过敏反应	合格

Test item	Technical requirements	Testing result	Conclusi on
Asepsis	Should not have bacteria	No bacteria	Qualified
<b>Cytotoxicit y</b>	<b>Should not have cell-cytotoxic reaction</b>	<b>No cell-cytotoxic reaction</b>	<b>Qualifie d</b>
Intracutane ous stimulation	Should not have intracutaneous stimulation reaction	No intracutaneous stimulation reaction	Qualified
Skin allergy	Should not have skin allergy reaction	No skin allergy reaction	Qualified

Briggs Plastibell: US HOLLISTER is also using the material that Medison used in the pass, and FDA prove that adverse event had happen(Please

refer to attachment )

### 3. Circumcision Ring's Clinical evaluation:

Out of 538 patients who underwent circumcision surgery, the average operation time was 5.7 minutes. 48 hours after operation, the foreskin being wrap by the ring has dried and form scab, cut off the scab and remove the ring, 10-14 days, remove the remaining ring and the elastic rope, an average of 12 days. 530 cases of postoperative wound healing, 98.6% of the total number of patients. Patients were followed up for 1 ~ 3 months. 0.4% major infection 0.3% after operation, mild bleeding, 0.1% wound dehiscence and 0.6%, in edema. When the patient has mild bleeding and wound surgery not 1 patient needs suture. After the surgery may cause edema, but a few days later after removing the ring edema will disappear, so there is no need for treatment. 75.5% of the patients were followed up for 1 months after surgery with normal sexual life, the sexual intercourse occurred in 3 cases and 2 cases of partial dehiscence foreskin epidermis, untreated self-healing, 1 cases in hospital for suture, the remaining patients have no abnormal. In the postoperative appearance, patients satisfaction rate of 98%, most of the patient go to work after the surgery.