

Preventing Yarn Breakage

ORGAN® NEEDLES **INFORMATION**

**Ball-Point** Series

Do you know what 'Ball-Point' is?  
Do you know how this small spherical point  
produces an extremely different effect?



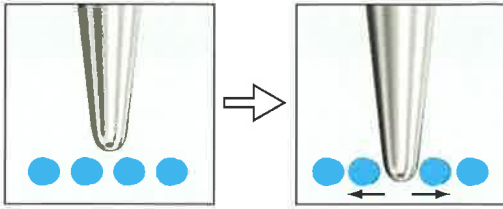
There is an important relation between fabrics  
and a point of each needle.

To fit needle points with any type of fabrics,  
we are ready to show you various types of needle  
points.



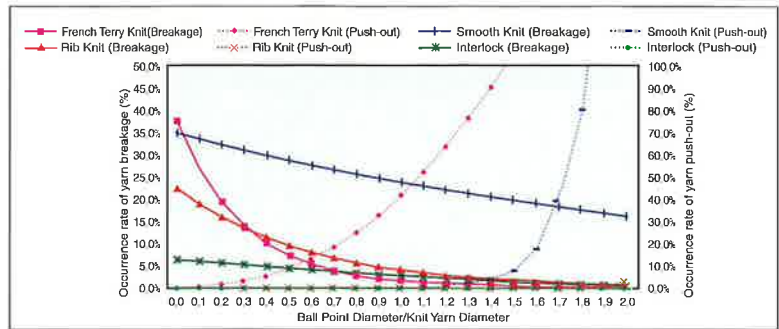
**ORGAN NEEDLE CO., LTD.**

### Image of Ball-Point Function



From our thorough investigation, we found the relation between the point of the needle and the sewn fabrics. The proper point can deflect fibers and penetrate between yarns on the fabric (Image). A too sharp point or too small ball point may penetrate into the fiber and cut the yarn. This is a factor in the fabric yarn breakage (Needle hole). On the other hand, a too big ball point may push out the thin yarn from the fabric. To avoid these problems, it is important to select a proper size for the point (Diameter of the ball point). As can be seen by referring to the graph, we found that the appropriate diameter of the point is from 0.7X to 1.4X of the diameter of the yarn. To select the best ball point for each sewn material is the most effective way to solve these problems.

Interrelation between diameter of ball point/knit yarn and occurrence rate of yarn breakage/push out



# New

### Extra Small Ball Point (Q-ball)

When a point of a needle contact with a part of a sewing machine, the point may change shape. As a result, it could damage fabrics. In the case of cover stitches and embroidery stitches, an upper thread could be cut by touching the point. By selecting an extremely small ball point, those two problems above are reduced.

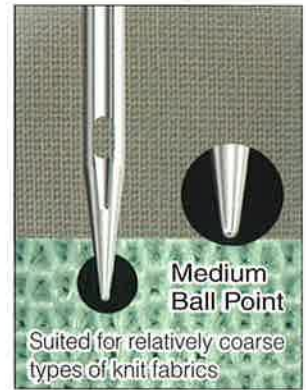
### Extra Small Ball Point (Q-ball)



### Small Ball Point (J-ball / SES)



### Medium Ball Point (B-ball / SUK)



### Large Ball Point (U-ball)



### Extra Large Ball Point (Y-ball / SKF)



### Slim Point



### Slim Point "S"

Slim Point has a slimmer taper from the needle eye to the tip of the needle point. In addition to the taper, Slim Point has also a J-ball/SES on the tip. Best suited for light knit fabrics. "S" will have an effect on delicate fabrics-related troubles, which cannot be solved only by using ball point.

※ The ball point designation samples on ORGAN packaging

-10pcs-  
DP×134  
Size 65/9J

-10pcs-  
DB×1  
Size 75/11Q

※ Ball Points can be supplied on all ORGAN needles. Please contact our representative for further information.



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