

◆ Embroidery Needles

ORGAN[®]

The Right Needle for every Material



It's the Needle that Really Matters!

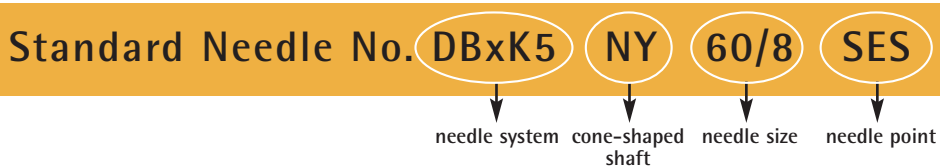
When doing creative embroidery it's primarily the base fabric and embroidery thread that are selected with great care – and yet it's the right needle that is decisive for perfect stitch results! ORGAN[®] embroidery needles are the ideal companion for all embroidery processes, thanks to a wide variety of advantages that have been developed during decades of practical experience. Less thread breakage, the minimisation of skipped stitches and stable durability guarantee trouble-free production processes and precise embroideries – even when using extraordinary effect threads.

GUNOLD[®]



How to find the right needle for your embroidery?

Fine jerseys, thick woollens, firm twill: Because every fabric type has its own needle requirements, there's a vast variety of embroidery needles. The size has to match the weight of the material to be embroidered, the needle point must match the weave and the needle system must fit the machine. These important details can be found in the needle description's code:



The Needle Size:



There's one basic rule: The finer the thread and the sheerer the fabric, the smaller the needle size should be. The thicker the embroidery thread, the higher the needle size should be – because then also the needle's eye will be larger.

- ◆ **Tip:** Slip the thread into a needle outside of the machine. Hold the thread horizontally and fairly taut on both ends. Then let the needle slide down by alternately lifting the right and left hand. If the needle slides easily down the thread, the needle size is correct.

The needle size is specified by a system that includes the indication of both types available, the metric (European) type and the SINGER (American) type, e.g. 75/11 = metric/SINGER.

Metric	65	70	75	80	85	90	95	100
mm*	0,65	0,7	0,75	0,8	0,85	0,9	0,95	1,0
SINGER	9	10	11	12	13	14	15	16

* The size of the needle is measured just above the needle's eye.

The Eye of the Needle:



The needle size determines the size of the eye. The larger the needle size the larger the eye of the needle. The eye of a needle size 70 is larger than the eye of a needle size 60. The same is true for in-between sizes such as size 65. Here the eye is larger than that of a size 60 needle. No detailed specifications of the different sizes of needle's eyes are available from the manufacturers.

The Needle Systems:



Needless to say that an embroidery needle should also match the machine type. Hence embroidery machine manufacturers always indicate the needle systems that can be used. Frequently used systems are DBxK5 and DBx7ST.

World-renowned: Embroidery needle system DB x K5 NY by ORGAN®

As one of the major embroidery needle manufacturers, ORGAN can reflect on a successful, research-oriented company history since 1939. Its embroidery needle system DB x K5 is a proprietary development that has set standards worldwide through incredible advantages:

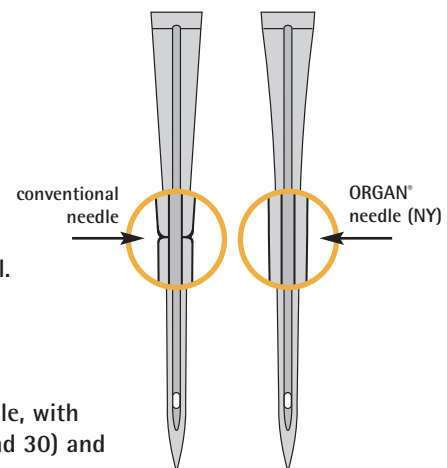
- ◆ Improved thread passage thanks to larger needle's eye.
- ◆ Minimising skipped stitches and less needle breakage thanks to the special, infinitely cone-shaped shaft – the NY shape.
The NY needle is the advanced development of a conventional needle. It has been developed by ORGAN approx. 10 years ago and, compared to a conventional needle, has an evenly cone-shaped shaft – see drawing. The needle's NY shape reduces needle breakage during embroidery processes, resulting in higher productivity.
- ◆ Consistent, superior quality through quality-controlled production on the highest level.

A needle for (almost) everything:

Standard needle DB x K5 NY 75/11 SES

Almost 90% of all embroidery projects can easily be accomplished with this standard needle, with absolutely perfect stitch results. It is the ideal needle for different thread strengths (40 and 30) and it facilitates knotting and hassle-free threading of the embroidery yarn during thread change.

- ◆ **Note:** The exception proves the rule – special materials require special needles!
Please refer to our chart for further details.



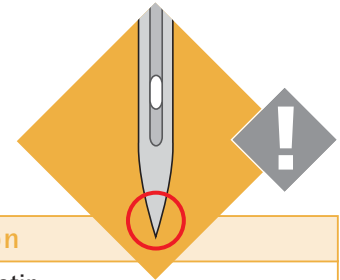


The Needle Point:

The embroidery needle's decisive detail lies in its point! Sharp points are ideal for firm fabrics, however, would harm fine knits and ruin the fabric. For perfect embroidery results, three different categories in various sizes are available:

Needles with standard point (uncoded):

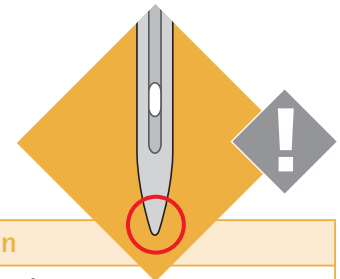
The needle with sharp point is suitable for densely-woven fabrics like denim, twill, corduroy, etc.



Item	Type	Size	Application
DBxK5 NY	Standard	60/8	Linens, silk, satin
DBxK5 NY	Standard	65/9	Organza, taffeta
DBxK5 NY	Standard	70/10	Bed linens, shirts, blouses
DBxK5 NY	Standard	75/11	Twill, denim, corduroy
DBxK5 NY	Standard	80/12	Canvas, linen, coated fabrics
DBxK5 NY	Standard	90/14	Horse blankets, doormats
DBxK5 NY PD	Titanium-nitride coating	75/11	The titanium-nitride coating makes the PD needle extremely robust and durable, resulting in a 3-fold higher durability and a 5-fold reduced needle point abrasion – perfect for extremely firm materials.
DBxK5 NY PD	Titanium-nitride coating	80/12	

Needles with medium ball point (SES):

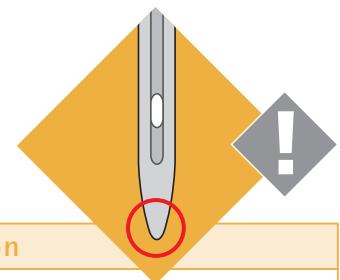
The medium ball point is the universal needle point for light and heavyweight fabrics, densely-woven knits, fleece and terrycloth. Incredibly economical if materials to be embroidered change frequently.



Item	Type	Size	Application
DBxK5 NY SES	Standard	60/8	T-shirts, silk, satin
DBxK5 NY SES	Standard	65/9	T-shirts, lycra, spandex, nylon
DBxK5 NY SES	Standard	70/10	T-shirts, sweatshirts
DBxK5 NY SES	Standard	75/11	Twill, denim, corduroy, terrycloth, jersey
DBxK5 NY SES	Standard	80/12	Coated fabrics
DBxK5 NY SES	Standard	90/14	Terrycloth, thick woollens
DBx7ST SES	Metallic thread needle	75/11	Blouses, shirts, T-shirts
DBxK5 NY PD SES	Titanium-nitride coating	75/11	Titanium-nitride coating: see above chart.

Needles with large ball point (SUK):

Needles with a large ball point are suitable for densely-woven knits with a loose weave, knit fabrics and thick sweatshirt materials. The large ball point separates the mesh and guarantees neat embroideries on loosely woven materials.



Item	Type	Size	Application
DBxK5 NY SUK	Standard	65/9	Fine knits
DBxK5 NY SUK	Standard	70/10	Fine knits
DBxK5 NY SUK	Standard	75/11	Knitwear, sweatshirts, terrycloth
DBxK5 NY SUK	Standard	80/12	Knitwear, sweatshirts, thick woollens



◆ Information on Manufacturer:

ORGAN is Japan's leading manufacturer of needles and one of the most renowned producers of embroidery needles worldwide. Immense experience in the embroidery sector for decades and important proprietary developments such as the embroidery needle system DB x K5 have set standards in the industry.

GUNOLD has the exclusive distribution rights for ORGAN® embroidery needles and is happy to supply highly-satisfied customers around the globe.

With its strict quality controls ORGAN guarantees a consistent premium quality of all needles supplied. Top-quality products that you can always expect from GUNOLD.



◆ Material:

Extrusion-process gained steel, chemically deburred, induction-hardened and chromed. PD needles with vaporised titanium-nitride coating, gold-coloured.

◆ Dispatch and packing size:

Cartons of 100 needles each

◆ Additional range of special needles:

- Titanium needle PD (sizes 70, 75, 75 SES, 80)
- Leather needle SS (sizes 75)
- Metallic thread needle DBx7ST (sizes 75 SES)
- Domestic sewing machine needles:
 - 130/705 H (sizes 60, 80)
 - 130/705 H-E SES (sizes 75)
- HAX130 EB BR (sizes 75) for Brother PR 600



Professional materials for high-quality embroidery results – tried and tested in the clothing, promotion and home textile industries. For more information visit our website www.gunold.de!

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