



For Chain Stitch & Flat Lock

ORGAN<sup>®</sup> NEEDLES **INFORMATION**

**UYx128GAS** series

Chain stitching is used in numerous sewing applications. UYx128GAS is one of the most popularly used needles in many chain stitch sewing machines. A broad spectrum of fabrics and threads sewn in advanced, high-speed machines demand more function in today's needles.



Organ Needle Co. offers solutions for various sewing demands with a series of UYx128GAS needles that assure higher sewing productivity.



**ORGAN NEEDLE CO., LTD.**

# UYx128GAS

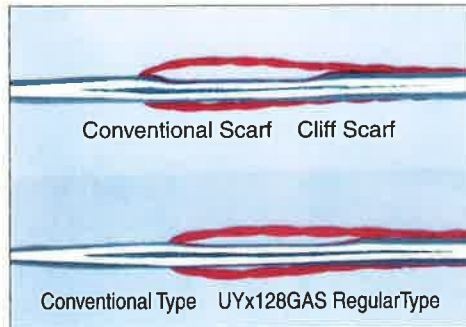
# REGULAR TYPE

ORGAN's Regular Type UYx128GAS needle is the most frequently chosen for the most demanding chain stitch sewing applications. The Regular Type UYx128GAS needle has a precise design that prevents skipped stitches as well as damage in any of a diverse selection of materials sewn.

Our technological skills, developed through intense research and tests, have been employed to design and manufacture ORGAN's Regular Type UYx128GAS needles. Its ideal design makes this the standard needle in most chain stitch machines.

## CLIFF SCARF

To avoid skipped stitches and for ease of sewing machine adjustment, ORGAN's Regular Type UYx128GAS needle has a long and deep scarf, "Cliff Scarf," in its standard design. And UYx128GAS also has an eye that is designed as the optimal "thread guide" to feed the thread to the looper to form the optimal loop. Even when high-speed sewing causes unstable loop formation, this ideally designed "Cliff Scarf" and "thread guide" maintain the clearance between the needle and thread so the looper can pick up the thread.



## NEEDLE'S EYE

The needle's eye makes the most contact with the sewing thread. Its surfaces must be perfectly polished to avoid cutting the thread. ORGAN achieves the best polished eyes by employing its "DS" treatment (Patent Pending) as well as physical cotton polishing. These procedures produce the ideal radial shape inside the needle's eye and the industry's smoothest surfaces possible.



Before Surface Treatment      After Surface Treatment

## Q-BALL POINT

The Regular Type UYx128GAS needle is produced with our Q-Ball Point. The Q-Ball Point is the most acute ball point and is standard for ORGAN's Regular Type needle.\* Its unique needle point shape minimizes damage to the fabric and protects its shape when in contact with the looper to avoid fabric damage or needle breakage.

\* R/SET point is used in sizes #13/85 and heavier.



Ordinary Sharp (R/SET) Point



Q-Ball point

## TAPER BLADE

To avoid fabric yarn breakage when sewing knit materials, our Regular Type UYx128GAS needle has a unique radial shape in the area where the shank connects with the blade.

It is particularly useful in Three-Needle Flat Lock machines, where experience demonstrates that most thread breakage occurs with the left most needle. The needle on the left makes the deepest penetration of the fabric.

ORGAN's design of the area where the shank meets the blade of the needle takes into consideration the depth of penetration into the fabric. The result is the ideal blade shape incorporating thinness, that does not cause fabric damage (needle holes), and resilience, to avoid skipped stitches.



# UYx128GAS-NY2

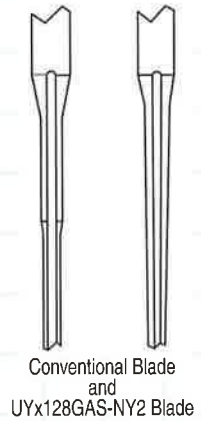
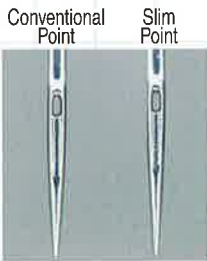
for Thicker Materials and Avoiding Skipped Stitches

## CLIFF SCARF

The NY2 type needle has a long, deep scarf that is designed to facilitate the reliability of picking up the thread and avoiding skipped stitches at any sewing speed.

## SLIM POINT

The Slim Point of the NY2 type needle drastically reduces penetration resistance and minimizes needle deflection that causes skipped stitches. The Slim Point also reduces damage to the fabric.



## TAPERED DESIGN NEEDLE BLADE

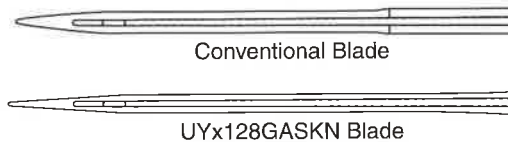
The NY2 type needle has a long tapered blade instead of the standard double swaged blade. The tapered blade design reduces the needle's flexibility during high-speed sewing and increases the needle's strength.

# UYx128GAS-KN

for Knit Materials and Preventing Yarn Breakage

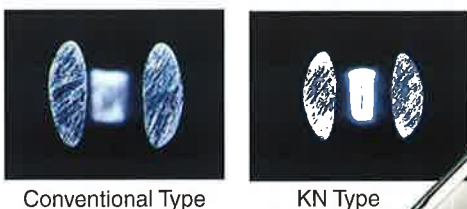
## NEEDLE BLADE

The KN type needle has a straight blade, instead of the double swaged blade, for a consistently slimmer shape of the blade all the way to the point.



## SHAPE AT THE AREA OF THE NEEDLE'S EYE

The KN type needle is designed to be thinner than standard needles around the area of the needle's eye where the highest resistance to the sewn material occurs. This drastically reduces damage to the sewn material and prevents yarn breakage. The needle's eye maintains its standard size so there is no need to change the size of thread.



## SLIM POINT

The slim tapered needle point of the KN type needle reduces the sudden stretching of yarns during needle penetration and minimizes the occurrence of yarn breakage.

## BALL POINT

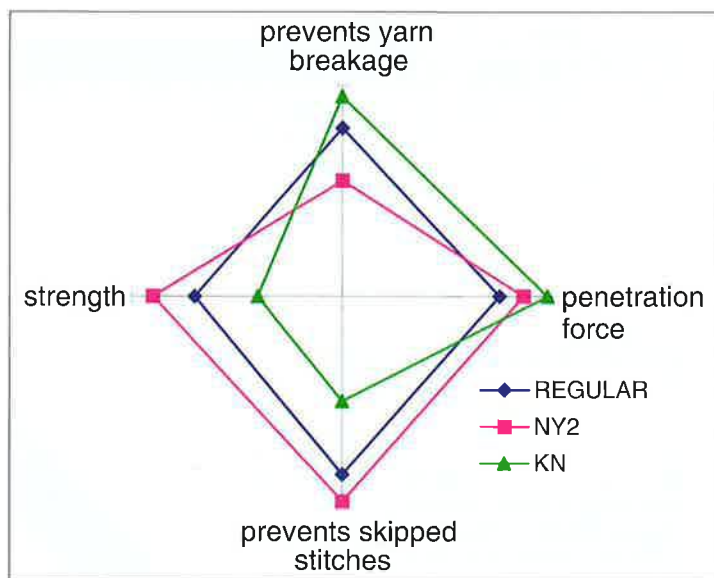
The KN type needle is designed with J-BALL / SES / Light Ball Point that is usually selected for sewing knit material. The smooth point tip prevents the yarn from being cut.

\* Other ball point designs can be selected to suit particular materials.

# TROUBLESHOOTING

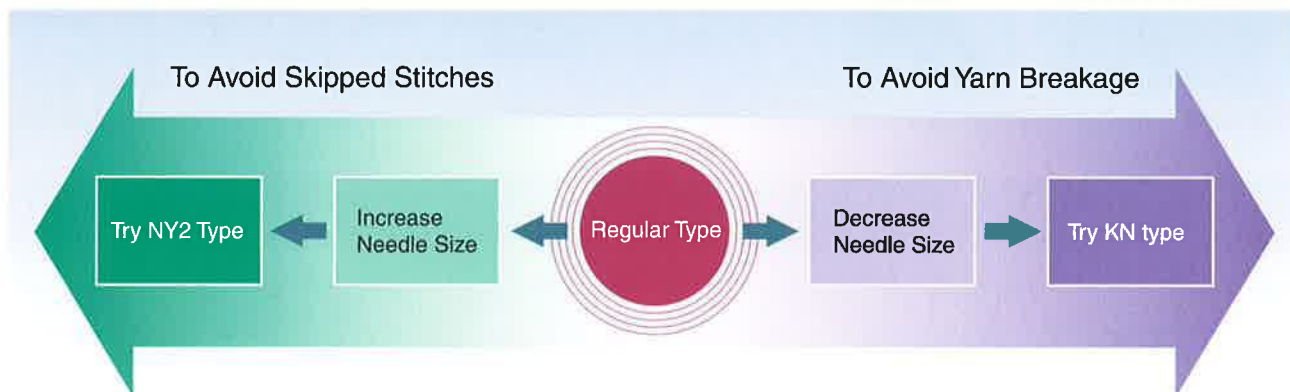
ORGAN's Regular Type UYx128GAS needle is designed to be used to solve potential sewing problems. Changing the size of the needle can solve most sewing problems.

Under some extreme circumstances, when changing the size of Regular Type needles does not resolve the problem, try troubleshooting using NY2 or KN type needles.



Graph with Benefits of Each Type

## How to Troubleshoot



## UYx128GAS RANGE OF SIZES

	7	8	9	10	11	12	13	14	16	18	19	20	21	22	22½	23
UYx128GAS Regular	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
UYx128GAS-NY2	●	●	●	●	●	●		●	●	●	●	●	●	●		
UYx128GASKN	●	●	●	●	●	●										

Various ball point designs can be selected for all above types. Wear-Resistant PD/titanium coating or Non-Stick coating to prevent friction heat can be selected for all above types.



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