



Reduce needle temperature

**ORGAN® NEEDLES** **INFORMATION**

**HP** coating

For the high-speed sewing by high-performance sewing machines/  
Suitable for the materials weak in heat resistance



Trouble due to needle heat  
Upper thread breakage  
Fabric yarn breakage (Needle hole) / Skipped stitches

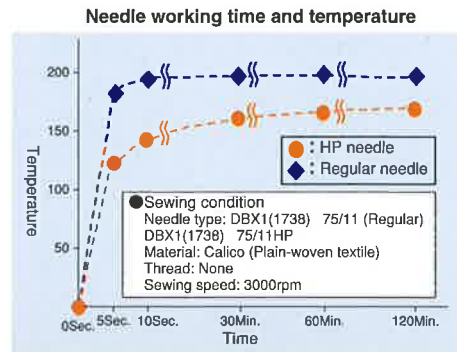


**ORGAN NEEDLE CO., LTD.**

Reduce the trouble of adhesion due to the melted chemical woven

**Reduce needle temperature**

High-speed sewing makes the needle temperature much higher due to needle penetration. Needle cooler equipped on a machine or lubrication oil is utilized to overcome. In use of the chemical woven materials with a low melting point, the slower setting of the machine prevents the needle heat from increasing, but it decreases the productivity. With HP coating, the needle radiates heat by itself and reduces the needle heat.



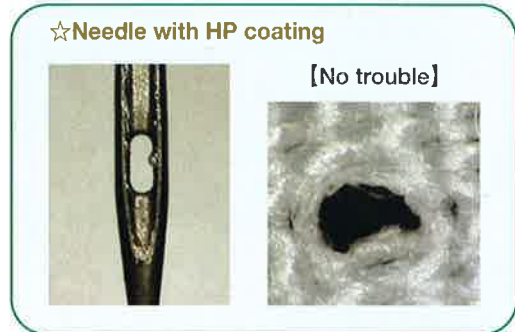
**Troubles due to the needle heat**

**Upper thread breakage**

Melted materials and thread stick on the needle cause thread breakage. HP reduces the melting of the materials and thread.

**Fabric yarn breakage**

The photos below show the melting of the chemical material yarn by heat. Minimizing the needle heat is one of the most effective way to solve the needle hole problem.



ORGAN current SU needle



HP



**No coloring due to the surface coating agent**

HP has no color. Pre-sewing to remove the color is not necessary. The coating agent does not remain on the sewn materials.

**ORGAN Special coating Line up**

	Abrasion	Needle heat	Adhesion	Melting
HP		●		●
LP			●	
PD	●			

★HP is available on all kinds of ORGAN industrial sewing machine needles.



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