

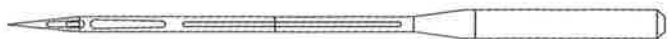


**ORGAN NEEDLE CO., LTD.**

# Product Brochure

製品カタログ  
産品目録

Sewing machine needles  
ミシン針  
縫紉針



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

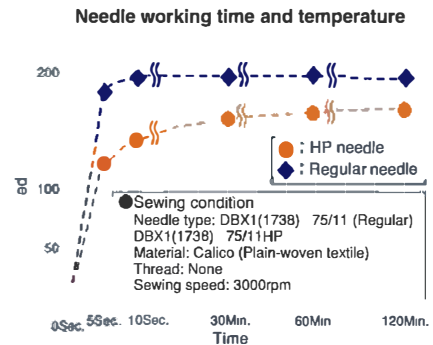


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### Reduce the trouble of adhesion due to the melted chemical woven

#### ■ 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.

##### ☆ Regular needle (Hard Chromium)



[Upper thread breakage]



[Fabric yarn breakage]



##### ☆ Needle with HP coating



[No trouble]



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

	HP	LP	PD
HP	●		
LP		●	
PD			●

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

