

DLC coating extends the life of the hook
and reduces oil stains on sewing materials!

DLC hook

What is DLC?

DLC is an abbreviation for Diamond-Like Carbon, which is a hard coating that has properties similar to diamond and is mainly composed of hydrocarbon. By coating the surface of the material with a thin film of DLC, new properties such as hardness, lubricity, and wear resistance can be given.



1 Can be used stably for a long time!

DLC coating is applied to the conventional hook, and the surface hardness of the hook has been improved.

Wear resistance is improved, and wear and seizure of the shuttle and inner hook can be reduced, extending the service life and enabling long-term use.

Wear is reduced compared to conventional hooks. So stable seam quality can be obtained.

2 Reduction of oil stains!

Since the DLC coating has high self-lubricating properties, the hook lubrication could be minimized.

This hook can greatly reduce seizure even when used with a very small amount of oil.

The amount of hook oil can be minimized, reducing oil stains on sewing materials.



The AMS Series / LK Series shuttle hooks have DLC coating on the shuttle.



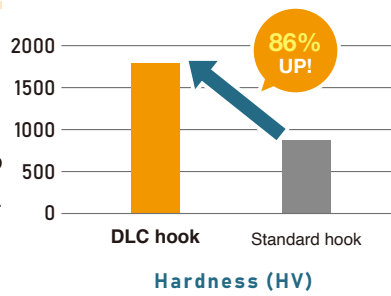
The LU-1500N Series / LU-2800 Series rotary hooks have DLC coating on the inner and outer hooks.

Features

Increased surface hardness!

High hardness coating improves wear resistance! Not only the service life of the hook is extended but also the seam quality is stabilized.

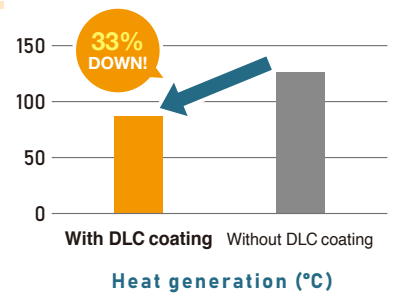
86% higher hardness than the standard hook





High self-lubricating properties!

Self-lubricating properties allow use with a very small amount of hook oil! As a result, oil stains on sewing materials are reduced.



33% less heat generation with DLC coating



List of part numbers

	DLC hook part No.	Standard hook part No.	Applicable models	Seam specification
Shuttle hook  	40162193	40061991	AMS-210E / AMS-221E / AMS-210EN AMS-224E / AMS-221EN AMS-224EN	H H / G H / G / T
		B1818210D0B	AMS-210D / AMS-215D / AMS-221D LK-1910 / LK-1920 / LK-1930	H* HS* / HA*
	40179357	40110846	LK-1900S / LK-1903S LK-1901A / LK-1902A / LK-1903A LK-1901AN / 1902AN / LK-1903AN LK-1901B / LK-1902B / LK-1901BN / LK-1902BN LK-1900A / LK-1900AN LK-1903B / LK-1903BN LK-1900B / LK-1900BN AB-1351 / AB-1360 AMS-210ENSS1306SZ7450	S S / F / M S / B S / F / M / B - Name embroidery type
	40179615	40112995	LK-1900S LK-1900A / LK-1902A / LK-1900AN / LK-1902AN LK-1900B / LK-1902B / LK-1900BN / LK-1902BN	H

* The shuttle driver must be replaced at the same time (40014963).

	DLC hook part No.	Standard hook part No.	Applicable models	Seam specification
Rotary hook  	40166745	21387055	LU-1509N LU-1510N-7 / LU-1511N-7 LU-1560N-7 / LU-1561N-7	S -
		40079022	LU-1510NA-7	-
	40166518	40131956	LU-2810-7 / LU-2860-7 LU-2810ESAL-7 / LU-2860VAL-7	-
	40187686	40147912	LU-2828A-6 / LU-2828A-7 LU-2828ESA-7 / LU-2828VA-7	-
	40188340	40195292	LU-2828VA-7NBBSF	Option class Equipped with a bobbin thread remaining amount detector assy

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