

Sur-Lok™ Quartz Boat Handle

The *iSiS* Sur-Lok™ & Sur-Lok II™ Self-Locking Quartz Boat Handles are specially designed for the Secur-Lok™ series of Quartz Contiguous Boats and Half-Contiguous Boats. The handle incorporates LED indication of positive boat engagement and a quick lift and quick release mechanical movement to provide easy use with high security.



The handle features a specially contoured self-locking mechanism that holds the boat in place. Securing the handle to the boat is as simple as sliding the handle under the edge of the boat and lifting gently. The locking mechanism pivots automatically, securing the boat to the handle. A button switch and LED indicate a positive grip. To release the boat, gently set the boat down and the locking mechanism will release and pivot out of the way. The Sur-Lok II™ series also incorporates a thumb lever for extra protection making it easier than ever to grip the quartz boats.



The handle's pistol grip is ergonomically designed to ensure a firm grip while reducing the risk of carpal-tunnel syndrome. The grip is available in four different colors (grey, red, white, and blue) to help operators to differentiate between process types or other system restrictions. Grey is most typically used for LPCVD processes, while the other colors are generally used for Doped, Oxide, and Metal processes.

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iSiS
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All components in direct contact with the process boats are made of your choice of either Vespel™, Meldin™ 7001, or PEEK. The handle frame is made of electro-polished 316 stainless steel which provides a strong rigid support for the boat. The handle can easily support the weight of fifty 150mm silicon wafers with essentially no deflection. The design provides a handle that is highly maneuverable in the clean room and light weight for easy storage.

Ordering Information

Part Number	Description
8-40-Y213-XX	Sur-Lok™ Quartz Wafer Boat Handle
8-40-Y217-XX	Sur-Lok™ Quartz Baffle Boat Handle
8-40-Y513-XX	Sur-Lok II™ Quartz Wafer Boat Handle
8-40-Y517-XX	Sur-Lok II™ Quartz Baffle Boat Handle
Y = Contact Material	XX = Pistol Grip Color
0 = Vespel™	01 = Grey
1 = Meldin™ 7001	02 = White
2 = PEEK	03 = Red
	04 = Blue

Secur-Lok™ quartz boats are available along with Saf-Lok™, Sur-Lok™, & Sur-Lok II™ handles for Norton™ Silicon Carbide Contiguous Boats and Half-Contiguous Boats. Contact **innovative Silicon Systems** for more information.

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