

PERFORMANCE ENHANCEMENTS

Sustainable Solutions is Our Ongoing Commitment

Concept Part Solutions is dedicated to extending the lifetime of your maturing semiconductor manufacturing equipment. As your toolsets age and new processes emerge, we pursue every opportunity through our Continuous Improvement Program (CIP) to offer important enhancements that increase the reliability, productivity, and performance of your install base.



Concept One Dielectric

Hoist Lock Assembly



C1 Hoist Lock Assembly Installed

Concept Part Solutions understands that safety is paramount when maintaining semiconductor manufacturing equipment. CPS offers the Novellus released C1 Hoist Lock Assembly in an effort to provide extra safety for personnel and equipment while the C1 top plate is in the raised position. This Hoist Locking Assembly complies with SEMI Safety Standards for Semiconductor Equipment.

When working in the C1 process chamber, it is necessary to raise the chamber top plate assembly to access the area. With the top plate assembly in the raised position the possibility exists where the top plate lift mechanism could fail, and nothing would prevent the top plate from falling. A top plate falling could seriously injure personnel and or cause equipment damage.

The Hoist Lock Assembly has two interlocking pieces that wrap around the shaft of the Thomson Bearing assembly between the chamber barrel and the load lock assembly. When the top plate has been lifted the hoist lock assembly can be installed around the shaft and Lock out Tag out devices can be applied. With this hoist lock assembly and AC power cord removed from the main AC box the top plate will not be allowed to lower if the top plate lift assembly should fail.

Upgrade Benefits

- Provides extra safety for personnel and equipment while the C1 top plate assembly is in raised position.



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Concept One 150mm and 200mm
Hoist Lock Assembly

**Get More Information on
System Performance Enhancements**

To find out how to improve the performance and productivity of your CPS supported systems, call your local CPS Sales and Service Office for complete ordering information, or visit www.conceptpartsolutions.com.

System Prerequisites:

None

Ordering Information:

Hoist Lock Assembly

05-347021-00

Some Upgrades may require an audit of your System; Contact your local CPS Representative to verify the Upgrade Kit before ordering.