

# CTS-10319

Sapphire Plunger  
Comparable to: Shimadzu®  
228-17019-93



## Technical Data Sheet

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### 1.0 Description

This plunger is designed to be compatible with Shimadzu LC-6AD, LC-7A, LC-10AS and LC-20AR pumps. It is comparable to Shimadzu part number 228-17019-93.

### 2.0 Materials Specifications

Sapphire  
316 SS

### 3.0 Replacement Frequency

Replacement may be indicated by a leak at the pump head. The sapphire plunger should be inspected with a magnifier whenever the pump head is disassembled to replace the plunger seals. If any scratches, a worn area or flat area are seen then the plunger should be replaced.

### 4.0 Installation Information

Sciencix parts are designed to be compatible and interchangeable with OEM parts. Please see instrument service manual for proper removal and installation procedure.



### 5.0 Warranty

We view your business with us as a partnership based on mutual trust.

We extend a Lifetime Warranty against any manufacturing defects on all Sciencix HPLC repair parts. If a defect is identified, please contact us at 800.682.6480 or by email at [sales@sciencix.com](mailto:sales@sciencix.com) to report the issue. We will assist you with a resolution in a timely fashion.