LCR Capillary Rheometer Accessory Reference
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Below is a list of accessories that are essential for the maintenance and cleaning your LCR Capillary Rheometer. Regular maintenance and cleaning will help ensure accurate test results and the longevity of your machine. All products listed below are available for purchase at shop.dynisco.com

Cleaning Accessories

Pressure Transducer Port Cleaning Kit
PART NUMBER 8052-155
- Includes all the tools to clean the pressure transducer ½-20 Process Connection Port
- Includes Dykem Blue fluid used to coat metal to provide a glare-free, uniform color so scribes appear clear and sharp.

Barrel Bore Power Cleaning Kit
PART NUMBER 8052-97K
- Includes rechargeable power drill, battery charger, and one special cleaning tool

Bore Cleaning Kit
PART NUMBER 8052-98S
- Set of 3, used with 8052-97K
- Tip used to score and clear plastic residue from the barrel

Bore Cleaning Rod
PART NUMBER 8052-99S
- Set of 3
- Rod extension for a power drill used to clean the whole depth of the barrel with a bore-cleaning tip

Charging Tool
PART NUMBER 7052-86
- Used to pack in a polymer charge into an LCR’s barrel

Patch Cleaning Tool with Knob
PART NUMBER 7052-87
- Used with cotton patches to swab out an LCR’s barrel of polymer after testing
Bore Brush Handle to be used with Bronze Scouring Brush B0555
PART NUMBER 0051-47
» Used after thorough swabbing of the LCR’s heating chamber. The bronze brush scores the surface of the barrel to clean out tough polymer residue
» Bronze Scoring Brush not included, see below

Bronze Bore Brush to be used with 0051-47
PART NUMBER B0555
» Replaceable scoring brush that can be threaded into the scoring rod. The bronze brush scores the surface of the LCR’s internal barrel to clean out tough polymer residue
» Bronze Scoring Rod not included, see above

Orifice Drill Bit Vise
PART NUMBER 0051-38C
» Used to secure the drill bit in place while cleaning off polymer in the carbide orifice after a test

Loading Beaker - 20ml Pyrex
PART NUMBER GP0301
» Used to weigh and hold polymer pellets for use in a Laboratory Capillary Rheometer

Pull Clip
PART NUMBER 2052-151
» Used to positively located and hold in position the Orifice/Die

Orifice Removal Socket
PART NUMBER 2052-157
» Used to tighten or remove the LCR Die/Orifice
Orifice Holder Nut
PART NUMBER 2052-73
» Used to hold the Orifice/Die in place while under pressure

Tool Rack
PART NUMBER 6052-16
» Convenient tool organizer for all LCR-series operational and maintenance equipment
» Does not include shown tools

Barrel Threaded Bottom Tap 3/4-10
PART NUMBER 8052-93
» Used with thread oil to clean the threads at the bottom of the barrel where the Orifice/Die is inserted

Round Orifice File 12”
PART NUMBER 8052-94
» Used to clean up metal burs or residual plastics on the LCR Orifice

Never Seize Compound
PART NUMBER 8052-95
» Apply to threads of Die Orifice Holder Nut
» Never seize compound is used to prevent the locking of the LCR Die Orifice Holder Nut in the bottom of the barrel even after hi-heat and pressure has been applied over time

Wire Brush for Die Nut Cleaning
PART NUMBER 8052-96
**Fill Funnel**

PART NUMBER 0051-80

» Used in filling the barrel of a melt flow indexer with a polymer charge of predetermined weight and volume

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**Piston Assemblies**

» Key component of any LCR unit, the piston extrudes a polymer by applying a steady, constant force into the barrel of the LCR, forcing it through the capillary

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**Cleaning Patches**

PART NUMBER GP0103

» Package of 1000 pieces, 2-1/4" diameter cotton

» Used with the cleaning tool to remove the residual polymer from the LCR’s heating chamber

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**Orifice Cleaner**

PART NUMBER 8052-960

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**Coiled Cable**

PART NUMBER 7052-56
Barrel Bore Gauge
PART NUMBER 8052-65BG
» Used to confirm Barrel Bore

Spare Orifice
» Specify bore diameter, L/D ratio & entrance angle

LCR 7000 & 7001 Options

Load Cells
Photo Shows Load Cell 1.5 kN: 7052-41, Others Include:
» Load Cell 5 kN: 7052-42
» Load Cell 10 kN: 7052-43
» Load Cell 15 kN: 7052-49

Pressure Transducers
Photo Shows Pressure Transducer 1400 Bar: 8052-153MID, Others Include:
» Pressure Transducer 50 Bar: 8052-150MID
» Pressure Transducer 200 Bar: 8052-150M1ID
» Pressure Transducer 700 Bar: 8052-151MID
» Pressure Transducer 1000 Bar: 8052-152MID

Laser Micrometer Diameter “Die Swell” Measuring Device
PART NUMBER D7052DS3
» Used for measuring die swell, includes single axis laser micrometer, data collection board and special “swing out” mounting bracket
» NOTE: the Laser Micrometer Diameter Measuring System is designed to be fitted in the LCR7000 & 7001 Series Capillary Rheometers. Not fittable on the LCR7002 Dual Bore Rheometer.
Dynisco eCommerce - Ordering Parts By Product ID

Entering in the part numbers of the accessories in this reference sheet into the Parts Entry tab allows you to order the parts you need directly online. An account is required to use the Dynisco eCommerce online shop. Log in or request an account at shop.dynisco.com.

1. Type part number here
2. Type quantity here
3. Upload file with formatted part numbers