



ACCESSORIES, PARTS, & CONSUMABLES
EFFECTIVE JANUARY 2021

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Discovery DSC™
Discovery TGA™
Discovery SDT™
Discovery DMA™
Discovery TMA™
Q Series™
Integrity™
Smart Swap™
Smart Swap 2™
Modulated TGA™
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3DCulturePro™
DuraPulse™
True Differential™
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Other Manufacturers

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Viton®
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THERMAL ANALYSIS

Discovery Series DSC Cooling Accessories

972503.901	Discovery Finned Air Cooling System (FACS) <i>Note: For programmed air cooling of the Discovery DSC cell from 725 °C to ambient temperature.</i>
970036.901	Quench Cooling Can for FACS (Q and Discovery Series, also suitable for use with the Tzero Pressure DSC Cell (P/N: 970900.901)) <i>Note: Assists the FACS in rapid cooling of DSC cell to ambient temperature and can be used for sub-ambient operation when used with the DSC 25P.</i>
970347.901	Quench Cooling Accessory (QCA) for the Q & Discovery DSCs <i>Note 1: Temperature range of -180 °C to 550 °C. Note 2: For quench cooling of autosampler-enabled Q Series DSCs the following parts are also required: P/N: 970282.001 Inner Manual Lid, P/N: 970283.001 Outer Manual Lid, and P/N: 970284.901 Manual Cell Cover. Note 3: For quench cooling of autosampler-enabled Discovery DSCs, the following parts are also required: P/N: 973061.903 Manual Insulated Cover and 973252.001 Manual Silver Lid.</i>
972507.901	Discovery Refrigerated Cooling System - RCS40 (120VAC/60Hz): for use with Discovery Series and Q Series DSC instruments
972507.902	Discovery Refrigerated Cooling System - RCS40 (230VAC/50Hz): for use with Discovery Series and Q Series DSC instruments
972007.901	Discovery Refrigerated Cooling System - RCS90 (120VAC/60Hz): for use with Discovery Series and Q Series DSC instruments
972007.902	Discovery Refrigerated Cooling System - RCS90 (230VAC/50Hz): for use with Discovery Series and Q Series DSC instruments
973757.901	Discovery Refrigerated Cooling System - RCS120 (220-230VAC/60Hz): for use with the Discovery DSC 25, DSC 250, and DSC 2500 only
973757.902	Discovery Refrigerated Cooling System - RCS120 (220-230VAC/50Hz): for use with the Discovery DSC 25, DSC 250, and DSC 2500 only
973900.901	Discovery LN Pump (DSC 25, DSC 250, DSC 2500, and first generation Discovery DSC)
200266.001	RCS Dryer <i>Note: For removal of trace moisture in purge gases when operating the DSC at sub-zero temperatures. Assembly provides dry gas to -90 °C dew point.</i>
970425.901	LN Pump DSC Purge Gas Purifier Unit <i>Note: For removal of trace moisture in purge gases. Includes gas dryer unit and appropriate shut-off and bypass valving. Assembly provides dry gas to -180 °C dew point.</i>

Discovery Series DSC Accessories

973850.901	Discovery DSC Microscope Accessory
973011.901	Accessory Kit, Discovery DSC 25/250/2500
973721.901	Accessory Kit, Discovery DSC 25P
972011.901	Accessory Kit, Discovery DSC (first generation Discovery DSC ONLY)

915064.901	MDSC Thermal Conductivity Kit
915068.901	Vial Silicone Oil

Discovery Series DSC Replacement Parts

972500.901	Discovery DSC Replacement Cell (first generation)
973400.901	Discovery DSC 25, 250, 2500 Replacement Cell
251471.002	DSL Router with 4-Port Switch: for communication between an external controller and Thermal/Rheology instruments.
203599.901	Universal AC Adapter Kit for DSL Router: Kit contains power adapters required to use the DSL Router with 4-Port Switch (PN 251471.002) with local power outlet types outside the United States.
973475.001	Discovery DSC 25/250/2500 Autosampler Tray (replacement autosampler tray)
973474.001	Discovery DSC 25P Manual Sample Tray (replacement manual sample tray)
973061.903	Manual Insulated Cell Cover (Non-Autosampler, All Discovery DSCs)
973252.001	Manual Inner Silver Lid (Non-Autosampler, All Discovery DSCs)
200245.001	Pressure Regulator (North America use only) <i>Note: For use with the RCS Dryer or the LNCS Purge Gas Purifier Unit; 4000 psi input; 40 psi output; CGA.</i>
972628.001	Discovery DSC Rhodium-Plated Silver Inner Lid, Autosampler enabled <i>Note: Maximum temperature limit of 400 °C</i>
972628.002	Discovery DSC Silver Inner Lid, Autosampler enabled <i>Note: Maximum temperature limit of 725 °C</i>

Discovery DSC 25P Pressure Accessories

973421.901	Replacement Cell, Discovery DSC 25P
970916.001	Upper Silver Lid, Discovery DSC 25P
973706.001	Inner Silver Lid, Discovery DSC 25P
970036.901	Quench Cooling Can for FACS (Q and Discovery Series, also suitable for use with the Tzero Pressure DSC Cell (P/N: 970900.901)) <i>Note: Assists the FACS in rapid cooling of DSC cell to ambient temperature and can be used for sub-ambient operation when used with the DSC 25P.</i>

Discovery DSC and QDSC Photocalorimeter Accessories and Parts

935000.901	Photocalorimeter Accessory (PCA) with UV Light Source <i>Note: For use with the Discovery DSC 250, 2500, first generation Discovery DSC and Q2000/Q200 DSC modules to provide photocuring studies between -50 °C and 250 °C. Cannot be used together with the LNCS or LN Pump. Includes a 320 - 500 nm internal filter.</i>
935002.902	Accessory Kit, Photocalorimeter Accessory (PCA) (replacement only) <i>Note: TA-supplied items required for PCA operation by Q Series DSC users who already have, or will separately obtain, the Novacure 2100 analyzer and appropriate dual light guide.</i>

935002.903	Accessory Kit, Photocalorimeter Accessory (PCA) (replacement only for the Q200, Q2000, DSC 250, DSC 2500 and 1st gen. Discovery DSC) Note: TA-supplied items required for photocalorimeter operation by customer who already has, or will separately obtain, the Omnicure S-2000 analyzer and appropriate dual light guide.
935012.002	Dual Quartz Light Guide for PCA (-50 °C to 250 °C operation) Note: Requires RCS for subambient use.
935012.001	Dual Liquid Light Guide for PCA (-50 °C to 80 °C operation) Note: Requires RCS for subambient use.
972734.901	Discovery PCA Trigger Adapter: an adapter to convert USB communication from the first generation Discovery DSC to RS232 communication for the PCA. Note: This adapter is required for the first generation Discovery DSC to communicate with the PCA and should be added to PCA orders for the Discovery DSC.
935014.901	PCA/UV External Filter Adapter Accessory Kit (allows use of external filters with the PCA P/N: 935000.901)
935009.005	PCA Blank Filter Holder (for the Omnicure S-2000 with external filter adapter)
935009.001	PCA Filter, External, 320 - 480 nm (for the Omnicure S-2000 with external filter adapter)
935009.002	PCA Filter, External, 320 - 390 nm (for the Omnicure S-2000 with external filter adapter)
935009.004	PCA Filter, External, 400 - 500 nm (for the Omnicure S-2000 with external filter adapter)
935009.003	PCA Filter, External, 365 nm (for the Omnicure S-2000 with external filter adapter)
935013.001	PCA Air Filter Kit (pkg. of 10)
935018.901	PCA Longpass Filter, 390 nm (pkg. of 2)
935019.901	PCA Longpass Filter, 490 nm (pkg. of 2)
935015.901	PCA Filter, Neutral Density, 1%
935016.901	PCA Filter, Neutral Density, 10%
935021.001	Lamp, 100 W, Mercury (for the Novacure 2100)
935021.002	Lamp, 200 W, Mercury (for the Omnicure S-2000)
935051.901	Universal Optical Accessory Kit
200700.001	Radiometer (R2000) (for use with either PCA)

Tzero DSC Sample Press and Die Sets/Sample Pans and Lids

901600.901	Tzero Sample Press and Die Sets Kit Note: Includes a Tzero Press and die sets for Tzero Pans/Tzero Lids and Tzero Low-Mass Pans/Tzero Lids; Tzero Pans/Tzero Hermetic Lids; and Standard Aluminum Pans/Lids; Standard Hermetic Pans/Lids, respectively. The kit also includes one box each of Tzero Pans (100) and Tzero Lids (100).
901608.901	DSC Standard Die Set (GREEN color) (for use in the Tzero Sample Press)
901608.902	DSC Hermetic Die Set (WHITE color) (for use in the Tzero Sample Press)

901608.903	DSC Tzero Die Set (BLACK color) (for use in the Tzero Sample Press)
901608.904	DSC Tzero Hermetic Die Set (BLUE color) (for use in the Tzero Sample Press)
901608.905	DSC High Volume Die Set (YELLOW color) (for use with the Tzero Sample Press and standard series high volume pans and lids)
973727.901	DSC Sample Cutting Kit
972800.901	Tzero Powder Sample Preparation Kit
901670.901	Tzero Low-Mass Pans (pkg. of 100)
901671.901	Tzero Lids (pkg. of 100)
901683.901	Tzero Pans (pkg. of 100)
901684.901	Tzero Hermetic Lids (pkg. of 100)
901685.901	Tzero Hermetic Pinhole Lid (75 micron diameter pinhole) (pkg. of 50)
901697.901	Tzero Alodined Pans (pkg. of 100)
901698.901	Tzero Hermetic Alodined Lids (pkg. of 100)

Standard Series DSC Sample Pans and Lids

[Note: \(*\) Indicates the pans and lids work with the Tzero or Standard DSC Press.](#)

900760.901	Classic Aluminum Pans*, DSC (pkg. of 200) (higher sidewall compared to standard aluminum sample pans)
900786.901	Standard Aluminum Pans*, DSC (pkg. of 200)
900779.901	Standard Aluminum Lids*, DSC (pkg. of 200)
900793.901	Standard Aluminum Hermetic Pans*, DSC (pkg. of 200)
900794.901	Standard Aluminum Hermetic Lids*, DSC (pkg. of 200)
900860.901	Aluminum Hermetic Lids with Pinhole, DSC (pkg. of 50)
900796.901	Standard Coated Aluminum Hermetic Pans*, DSC (pkg. of 200)
900790.901	Standard Coated Aluminum Hermetic Lids*, DSC (pkg. of 200)
900808.901	High Pressure DSC Sample Pan Kit Note: Includes crimping tool, 5 reusable stainless steel capsules, and 20 seals.
900815.901	High Pressure Capsules, DSC (pkg. of 5)
900814.901	High Pressure Capsule Seals, DSC (pkg. of 20)
900825.901	High Volume DSC Sample Pan Kit Note: Includes metal bell jar and lid, high volume die sets for Tzero and older Standard Press plus 100 each pans, lids, and seals.
900825.902	High Volume DSC Sample Pans, Lids, and Seals (pkg. of 100)
900824.901	High Volume DSC Sample Pan Die Set (for Standard DSC Press)
900870.901	Aluminum DSC Sample Pans for SFI Samples (pkg. of 200)
900867.901	Copper Sample Pans, DSC (pkg. of 200)
900866.901	Gold Sample Pans*, DSC (pkg. of 10)
900868.901	Gold Lids*, DSC (pkg. of 10)
900871.901	Gold Sample Pans, Hermetic*, DSC (pkg. of 10)

900872.901	Gold Lids, Hermetic*, DSC (pkg. of 10)
900874.901	Graphite Sample Pans, DSC (pkg. of 20)
900873.901	Graphite Lids, DSC (pkg. of 10)
900578.901	Platinum Sample Pans, DSC (pkg. of 10)

DSC Calibration Materials

970345.901	Kit, Tzero Calibration, Sapphire
970370.901	Kit, MDSC Calibration, Sapphire
915060.901	DSC/DTA Certified Temperature Calibration Kit
915061.901	Replacement Certified Indium Reference Material (for P/N: 915060.901 Kit)
900902.901	Indium Calibration Material (not certified)
900910.901	Tin Calibration Material (not certified)
900907.901	Zinc Calibration Material (not certified)
915079.902	Sapphire Specific Heat Material (0.13 inch OD x 0.020 inch height) <i>Note: Compatible with all DSC and SDT Pans.</i>
915079.901	Sapphire Specific Heat Material (0.16 inch OD x 0.020 inch height) <i>Note: Compatible with all pans except Standard Series Hermetic Pans P/N: 900793.901; P/N: 900796.901; P/N: 900871.901.</i>
915079.903	Sapphire Specific Heat Material (0.187 inch OD x 0.034 inch height, for DSC standard sample pans) <i>Note: Compatible with all pans except Standard Series Hermetic Pans P/N: 900793.901; P/N: 900796.901; P/N: 900871.901.</i>
970489.901	Adamantane Traceable Temperature and Enthalpy Calibration Material

QDSC Accessories

970020.901	Q2000/Q1000 Replacement Cell
970520.901	Q200/Q20/AQ20/Q100/Q10 Replacement Cell <i>Note: Requires separately priced installation by a TA Field Service Engineer.</i>
970037.901	Q Series Finned Air Cooling System (FACS) <i>Note: For programmed air cooling of Q Series DSC Cell from 725 °C to ambient temperature.</i>
970036.901	Quench Cooling Can for FACS (also suitable for use with the Tzero Pressure DSC Cell (P/N: 970900.901)) <i>Note: Assists the FACS in rapid cooling of DSC cell to ambient temperature and can be used for sub-ambient operation when used with the DSC 25P.</i>
970347.901	Quench Cooling Accy (QCA) for the Q Series & Discovery DSCs <i>Note 1: Temperature range of -180 °C to 550 °C.</i> <i>Note 2: For quench cooling of autosampler-enabled Q Series DSCs the following parts are also required: P/N: 970282.001 Inner Manual Lid, P/N: 970283.001 Outer Manual Lid, and P/N: 970284.901 Manual Cell Cover.</i> <i>Note 3: For quench cooling of autosampler-enabled Discovery DSCs, the following parts are also required: P/N: 973061.903 Manual Insulated Cover and 973252.001 Manual Silver Lid.</i>

972507.901	Discovery Refrigerated Cooling System - RCS40 (120VAC/60Hz): for use with Discovery Series and Q Series DSC instruments
972507.902	Discovery Refrigerated Cooling System - RCS40 (230VAC/50Hz): for use with Discovery Series and Q Series DSC instruments
972007.901	Discovery Refrigerated Cooling System - RCS90 (120VAC/60Hz): for use with Discovery Series and Q Series DSC instruments
972007.902	Discovery Refrigerated Cooling System - RCS90 (230VAC/50Hz): for use with Discovery Series and Q Series DSC instruments
970425.901	LNCS DSC Purge Gas Purifier Unit <i>Note: For removal of trace moisture in purge gases. Includes gas dryer unit and appropriate shut-off and bypass valving.</i>
200245.001	Pressure Regulator (North America use only) <i>Note: For use with the RCS Dryer or the LNCS Purge Gas Purifier Unit; 4000 psi input, 40 psi output; CGA.</i>
200266.001	RCS Dryer <i>Note: For removal of trace moisture in purge gases.</i>
970282.001	Inner Silver Manual Lid, Q Series DSC
970283.001	Outer Silver Manual Lid, Q Series DSC
970284.901	Manual Insulated Cell Cover, Q Series DSC
970906.901	Tzero Pressure Cell Accessory Kit: <i>Note: Required for installation of Tzero Pressure Cell (P/N: 970900.901) on a Q2000 DSC module. This kit is included within the Q Series PDSC Cell Shipping Accessory Kit (P/N: 970814.901)</i>
970814.901	Q Series PDSC Cell Shipping Accessory Kit <i>Note: For use with the Tzero Pressure DSC Cell (P/N: 970900.901) on a Q2000 DSC module. Includes Tzero Pressure Cell Accessory Kit (P/N: 970906.901).</i>
915064.901	MDSC Thermal Conductivity Kit
915068.901	Vial Silicone Oil
970442.001	Inner Silver Lid (replacement part for QDSC Autolids II)
970464.001	Outer Silver Lid (replacement part for QDSC Autolids II)
970441.001	Lift Rod (replacement part for QDSC Autolids II)
971126.901	DSC Autosampler Tray (replacement, Q Series)

Discovery Series TGA Accessories

963313.901	Blending Gas Delivery Module Discovery TGA 5500/TGA 550/SDT 650
954160.903	Four-Channel Gas Delivery Module (GDM) (Discovery TGA 1st Generation Only)
956550.901	Advance Technique Field Upgrade on the Discovery TGA 550 <i>Note: The upgrade includes High Resolution (HiRes™) TGA, Modulated TGA (MTGA®) and a DTA signal.</i>
956011.911	Accessory Kit, Discovery TGA 55/550
956011.901	Accessory Kit, Discovery TGA 5500
954011.901	Accessory Kit, Discovery TGA (First Generation)

251471.002	DSL Router with 4-Port Switch: for communication between an external controller and Thermal/Rheology instruments.
203599.901	Universal AC Adapter Kit for DSL Router: Kit contains power adapters required to use the DSL Router with 4-Port Switch (PN 251471.002) with local power outlet types outside the United States.
200245.001	Pressure Regulator (North America use only) <i>Note: For use with the RCS Dryer or the LNCS Purge Gas Purifier Unit; 4000 psi input, 40 psi output; CGA.</i>

OEM Instruments and Accessories - Mass Spectrometer and FTIR

957349.901	Discovery TGA 5500, Discovery TGA (first generation), or Q5000 IR Mass Spectrometer Interface Kit (without NIST library)
271001.002	Discovery TGA 550/55, Q500/50 Mass Spectrometer Interface Kit (without NIST library)
271002.002	Discovery SDT and Q600 Mass Spectrometer Interface Kit (without NIST library)
271003.001	Wiley/NIST Mass Spectrometer Library <i>Note: OEM product</i>
957468.901	FTIR Adaptor Kit for Discovery TGA 5500, Discovery TGA (first generation), or Q5000 IR
957481.901	Event Cable, Thermo Nicolet 6700, iS10, iS20 FTIR
957574.901	Dual MS/FTIR Interface Kit for Discovery TGAs or Q5000 IR <i>Note: For use with TGA/MS Interface Kit, P/N: 957349.901.</i>

Discovery TGA (55/550/5500) and Q5000 IR TGA Sample Pans (also suitable for use with the TGA-HP and VTI-SA Sorption Analyzers)

957329.903	Ceramic Sample Pans, TGA, 100 µL (pkg. of 3)
957329.904	Ceramic Sample Pans, TGA, 250 µL (pkg. of 3)
957207.903	Platinum Sample Pans, TGA, 50 µL (pkg. of 3)
957207.904	Platinum Sample Pans, TGA, 100 µL (pkg. of 3)
957571.901	Platinum - HT Sample Pans, TGA, 100 µL (pkg. of 3)
957363.901	Aluminum Sample Pans, TGA, 80 µL (pkg. of 100)
957362.901	Aluminum Lids, TGA, (pkg. of 100)
957364.901	Stainless Steel Bail, TGA, (pkg. of 15)
957210.902	Quartz Sample Pans (pkg. of 3) (requires Autosampler Tray P/N: 957216.901)
957352.901	TGA Sealed Aluminum Pan Kit (for use with TGA 5500/550, Discovery TGA & Q5000 IR) <i>Note: Consists of 100 pans, 100 lids, 30 bails, punch alignment tool, and dies for use with the Tzero and older standard presses.</i>
957540.901	TGA Sealed Aluminum Die Set for Tzero Press <i>Note: For use with the Tzero Press and the Sealed Aluminum Pan Kit P/N: 957352.901.</i>

Discovery TGA/Q5000/Q500/Q50/SDT Calibration and Test Materials

952541.902	TGA ICTAC Curie Point Reference Materials Kit for DTGA 5500, DTGA (1st Gen), & Q5000 IR <i>Note: Includes 0.5 gram each of the six ICTAC certified materials.</i>
952541.901	TGA/SDT ICTAC Curie Point Reference Materials Kit with Magnet (for DTGA 550/55, Q50/500, & Q600) <i>Note: Includes 0.5 gram each of the six ICTAC certified materials.</i>
952500.901	Replacement ICTAC Certified Curie Point Reference Material 153 °C
952504.901	Replacement ICTAC Certified Curie Point Reference Material 357 °C
952508.901	Replacement ICTAC Certified Curie Point Reference Material 554 °C
952512.901	Replacement ICTAC Certified Curie Point Reference Material 746 °C
952516.901	Replacement ICTAC Certified Curie Point Reference Material 931 °C
952520.901	Replacement ICTAC Certified Curie Point Reference Material 1116 °C
952384.901	TGA/SDT Temperature Calibration Kit (Alumel and Nickel Reference Materials)
952385.901	Replacement Certified Nickel Reference Material (for kit P/N: 952384.901)
952398.901	Replacement Certified Alumel Reference Material (for kit P/N: 952384.901)
269931.001	100 mg Class 1 Precision Weight for TGA Weight Calibration
269931.002	1 gram Class E2 Precision Weight for TGA Weight Calibration
900905.901	Calcium Oxalate Monohydrate (1 gram)
957341.901	TGA Weight Set (Calibrated)

Discovery TGA Replacement Parts

954298.901	Thermocouple Replacement Kit for lower furnace assembly (TGA 5500 only)
956075.901	EGA Furnace, Discovery TGA 550/55
956070.901	Standard 1000°C Furnace, Discovery TGA 550/55
956291.901	Discovery TGA 5500 Upper Reflector Assembly



956080.901	Discovery TGA 5500 IR Furnace
956312.901	Punch Assembly, Discovery TGA 550 (Autosampler required)
956210.901	Thermocouple Sample TGA 550/55 Note: Part is also the DTA thermocouple for the Discovery 5500
956328.901	Hangdown Hook, Tare TGA 5500/550/55
956327.901	Hangdown Hook, Sample TGA 5500/550/55
957515.901	Loop Decoupler Kit (for use with all Discovery TGA's & Q5000 IR)
953260.901	TGA Heat Exchanger (for use with all Discovery & Q TGA's) Note: Requires TGA Heat Exchanger Harness (P/N: 953176.901) for connection to the TGA Instrument.
953176.901	TGA Heat Exchanger Harness (for use with the TGA Heat Exchanger (P/N: 953260.901))
952377.901	Heat Exchanger Conditioning Kit (fungicide)
952394.901	Sample Nickel Wire (not certified)
957250.901	Discovery TGA/Q5000 IR Autosampler Dust Cover with Light Guard
957082.901	Hangdown Wire (Sample Wire for Q5000 IR/Q5000 SA/Discovery TGA; Tare Wire for Q5000 SA)
952040.901	Hangdown Wire (Tare Wire for Q5000 IR and Discovery TGA; Sample Wire for Q500/Q50)
957381.001	Tube Load Q5000 IR Sample
957381.002	Tube Load Q5000 IR Reference
954399.901	Discovery TGA/Q5000 IR TGA Lower Furnace Assembly
957216.901	Tray Autosampler TGA - 10-position: (standard with Q5000 SA; option for Discovery TGA and Q5000 IR with Quartz Crucibles)
957099.901	Tray Autosampler TGA (TGA 550/5500, DTGA, Q5000 IR TGA) - 25-position: (for use with platinum, ceramic, and aluminum sample pans)
957352.901	TGA Sealed Aluminum Pan Kit (for use with TGA 5500/550, Discovery TGA & Q5000 IR) Note: Consists of 100 pans, 100 lids, 30 bails, punch alignment tool, and dies for use with the Tzero and older standard presses.
957540.901	TGA Sealed Aluminum Die Set for Tzero Press Note: For use with the Tzero Press and the Sealed Aluminum Pan Kit P/N: 957352.901.

QTGA Thermogravimetric Analyzer Accessories

953046.901	Evolved Gas Furnace (EGA), Q500/Q50 Note: Recommended for evolved gas analysis with a MS or FTIR.
957352.901	TGA Sealed Aluminum Pan Kit (for use with TGA 5500/550, Discovery TGA & Q5000 IR) Note: Consists of 100 pans, 100 lids, 30 bails, punch alignment tool, and dies for use with the Tzero and older standard presses.

957540.901	TGA Sealed Aluminum Die Set for Tzero Press Note: For use with the Tzero Press and the Sealed Aluminum Pan Kit P/N: 957352.901.
953350.901	Upgrade Kit, Q Series TGA High Resolution Note: Upgrades a Q500 for High Resolution operation.
953450.901	Upgrade Kit, Q Series Modulated TGA Note: Upgrades a Q500 for Modulated TGA operation.

TGA Q500/Q50 Sample Pans (also suitable for use with the TGA-HP and VTI-SA Sorption Analyzers)

952323.902	Aluminum Sample Pans, 100 µL, Q500/50 TGA (pkg. of 12)
952018.907	Ceramic Sample Pans, 100 µL, Q500/50 TGA (pkg. of 3)
952018.909	Ceramic Sample Pans, 250 µL, Q500/50 TGA (pkg. of 3)
952018.910	Ceramic Sample Pans, 500 µL, Q500/50 TGA (pkg. of 3)
952018.908	Platinum Sample Pans, 50 µL, Q500/50 TGA (pkg. of 3)
952018.906	Platinum Sample Pans, 100 µL, Q500/50 TGA (pkg. of 3)

TGA Q5000 IR Replacement Parts

957515.901	Loop Decoupler Kit (for use with all Discovery TGA's & Q5000 IR)
953260.901	TGA Heat Exchanger (for use with all Discovery & Q TGA's) Note: Requires TGA Heat Exchanger Harness (P/N: 953176.901) for connection to the TGA Instrument.
953176.901	TGA Heat Exchanger Harness (for use with the TGA Heat Exchanger (P/N: 953260.901))
952377.901	Heat Exchanger Conditioning Kit (fungicide)
952394.901	Sample Nickel Wire (not certified)
957202.001	Crimping Die Set (for use with older standard press)
957250.901	Discovery TGA/Q5000 IR Autosampler Dust Cover with Light Guard
957082.901	Hangdown Wire (Sample Wire for Q5000 IR/Q5000 SA/Discovery TGA; Tare Wire for Q5000 SA)
952040.901	Hangdown Wire (Tare Wire for Q5000 IR and Discovery TGA; Sample Wire for Q500/Q50)
957381.001	Tube Load Q5000 IR Sample
957381.002	Tube Load Q5000 IR Reference
954399.901	Discovery TGA/Q5000 IR TGA Lower Furnace Assembly
957216.901	Tray Autosampler TGA - 10-position: (standard with Q5000 SA; option for Discovery TGA and Q5000 IR with Quartz Crucibles)
957099.901	Tray Autosampler TGA (TGA 550/5500, DTGA, Q5000 IR TGA) - 25-position: (for use with platinum, ceramic, and aluminum sample pans)

TGA Q500/Q50 Replacement Parts

952040.901	Hangdown Wire (Tare Wire for Q5000 IR and Discovery TGA; Sample Wire for Q500/Q50)
952040.902	Tare Hangdown Wire, Q500/50 TGA
952040.903	Tare Hangdown Wire - Short (for use in the latest TGA Q500/Q50 without a Tare Access Cover)
952110.001	Sample Hangdown Wire Tube, Q500/50 TGA
952256.901	Kapton Hangdown Loop, Q500/50 TGA (strip of 10)
953208.901	Sample Thermocouple for QTGA
952240.901	Auto TGA Q500 Multiple Sample Tray Kit (includes three additional sample trays)
952434.901	Furnace Tube (quartz) with Seal Kit and Instructions for the EGA Furnace
953032.901	Replacement TGA Q500/Q50 Furnace
953260.901	TGA Heat Exchanger (for use with all Discovery & Q TGA's) <i>Note: Requires TGA Heat Exchanger Harness (P/N: 953176.901) for connection to the TGA Instrument.</i>
953176.901	TGA Heat Exchanger Harness (for use with the TGA Heat Exchanger (P/N: 953260.901))
952377.901	Heat Exchanger Conditioning Kit (fungicide)

Discovery SDT 650 Accessory

963313.901	Blending Gas Delivery Module Discovery TGA 5500/TGA 550/SDT 650
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Discovery SDT 650 and Q600 Sample Pans

960072.901	Alumina Sample Cups, 40 µL, SDT (pkg. of 3)
960070.901	Alumina Sample Cups, 90 µL, SDT (pkg. of 3)
961060.901	Alumina Sample Cups, Disposable, 90 µL, SDT (pkg. of 20)
960239.901	Alumina Lids, SDT (pkg. of 3) (for use with P/N: 960070.901 and P/N: 961060.901)
960148.901	Platinum Sample Cups, 40 µL, SDT (pkg. of 3)
960149.901	Platinum Sample Cups, 110 µL, SDT (pkg. of 3)

Discovery SDT 650 and Q600 Replacement Parts

960034.901	Aluminum Oxide Reference Material (Calcined Alpha)
963423.901	SDT Calibration Weights Set
960017.901	Dual Beam Thermocouple Kit (SDT Q600)
270198.015	O-Ring, SDT Furnace Tube
963881.901	Discovery SDT 650 Thermocouple Beam Assembly
963011.901	Accessory Kit, SDT 650/SDT 650 Auto

TGA Q5000 SA Sample Pans (also suitable for use with the TGA-HP and VTI-SA Sorption Analyzers)

957210.902	Quartz Sample Pans, Q5000 SA (pkg. of 3) (requires Autosampler Tray P/N: 957216.901)
957210.903	Quartz Sample Pans, Metal Coated, Q5000 SA (pkg. of 3)
957207.903	Platinum Sample Pans, 50 µL (pkg. of 3), Q5000 SA <i>Note: Requires Tray Autosampler TGA - 25-Position P/N: 957099.901 for use with Q5000 SA.</i>
957207.904	Platinum Sample Pans, 100 µL (pkg. of 3) <i>Note: Requires Tray Autosampler TGA - 25-Position P/N: 957099.901 for use with Q5000 SA.</i>
957216.901	Q5000 SA Autosampler Tray - 10 Position <i>Note: For use with TGA hemispherical quartz sample pans. This tray is included standard with the Q5000 SA and is an option for the Q5000 IR.</i>
957099.901	Q5000 SA Tray Autosampler TGA - 25 Position <i>Note: For use with sealed aluminum sample pans.</i>

TGA Q5000 SA Replacement Parts

957216.901	Q5000 SA Autosampler Tray - 10 Position <i>Note: For use with TGA hemispherical quartz sample pans. This tray is included standard with the Q5000 SA and is an option for the Q5000 IR.</i>
957099.901	Q5000 SA Tray Autosampler TGA - 25 Position <i>Note: For use with sealed aluminum sample pans.</i>
957515.901	Loop Decoupler Kit (for use with all Discovery TGA's & Q5000 IR/Q5000 SA)
957082.901	Hangdown Wire (Sample Wire for Q5000 IR/Q5000 SA/Discovery TGA; Tare Wire for Q5000 SA)
953260.901	TGA Heat Exchanger (for use with all Discovery & Q TGA's) <i>Note: Requires TGA Heat Exchanger Harness (P/N: 953176.901) for connection to the TGA Instrument.</i>
953176.901	TGA Heat Exchanger Harness (for use with the TGA Heat Exchanger (P/N: 953260.901))
952377.901	Heat Exchanger Conditioning Kit (fungicide)
957381.003	Tube Load Q5000 SA Sample/Reference
957156.901	Replacement Sensor Kit for Humidity Chamber
957400.901	TGA Weight Calibration Set (Calibrated) (for Q5000 IR and Q5000 SA)
957450.901	Humidity Reference Material (Sodium Bromide)

Common Consumables for TGA-HP and VTI-SA+ Sorption Analyzers

Sample Holders for TGA-HP and VTI-SA+ Sorption Analyzers

810026.901	Quartz Sample Holder (diameter = 12 mm) (for use with TGA-HP and VTI-SA)
810027.001	Quartz Sample Holder (flat bottom) (diameter = 12 mm) (for use with TGA-HP and VTI-SA)

810028.001	Aluminum Round Sample Holder (diameter = 12 mm; height = 5 mm) (for use with TGA-HP and VTI-SA)
810028.002	Aluminum Round Sample Holder (diameter = 25 mm; height = 5 mm) (for use with VTI-SA)
810029.001	Permeation Cell (diameter = 10 mm; height = 10 mm) (for use with VTI-SA)
820044.001	Aluminum Sample Holder, Glass Opening, Round (diameter = 12 mm) (for use with VTI-SA; requires P/N: 820047.001 Glass Covers)
820045.001	Aluminum Sample Holder, Glass Opening, Round (diameter = 25 mm) (for use with VTI-SA; requires P/N: 820048.001 Glass Covers)
820047.001	Glass Covers, 12 mm Diameter (pkg. of 700) (for use with P/N: 820044.001 Aluminum Sample Holder with Glass Opening)
820048.001	Glass Covers, 25 mm Diameter (pkg. of 160) (for use with P/N: 820045.001 Aluminum Sample Holder with Glass Opening)
820055.001	Alumina Crucible (OD = 12.7 mm, height = 25.4 mm) (for use with the TGA-HPs)
820055.002	Quartz Crucible Solid Bottom (OD = 12 mm, height = 27 mm) (for use with the TGA-HPs)

VTI-SA+ Sorption Analyzer Accessory

820347.901	VTI-SA Humidifier Wicks (pkg. of 35) (replacement humidifier wick consisting of a cotton wick over a supporting polypropylene rod)
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Demonstration Materials for TGA-HP and VTI-SA+ Sorption Analyzers

820344.901	BPL Carbon Demonstration Material (demonstration material for use in the VTI-SA)
820345.901	NaCl Demonstration Material (demonstration material for use in the VTI-SA)
820343.901	PVP Demonstration Material (demonstration material for use in the VTI-SA)
820348.901	5A Zeolite Demonstration Material (demonstration material for use in the TGA-HP)

Discovery TMA 450/450EM and Q400/Q400EM Accessories

945250.901	TMA Q400EM Upgrade Kit
946510.901	Discovery TMA 450EM Upgrade Kit
944200.901	TMA Accessory Kit (TMA 450/450EM and Q400/400EM)
945050.901	TMA Film/Fiber Accessory Kit <i>Note: Consists of film/fiber sample stage, film/fiber probe assembly, film clamp assemblies, film clamp fixture, jeweler's screwdriver, and film clamp screws.</i>
944202.901	Volumetric Accessory Kit <i>Note: Consists of dilatometer probe assembly, three dilatometer sample vials, two vials of filling medium, and a vial of aluminum calibration standard.</i>



944203.902	Flexure Accessory Kit (for Discovery 450 and Q400 use; supplied with Discovery 450 EM and Q400 EM) <i>Note: Includes flexure probe assembly, flexure sample platform, and phase calibration fixture.</i>
945300.901	Mechanical Cooling Accessory - MCA70 (120VAC/60Hz): for use with Discovery 450/450EM and QNX-based Q400 and Q400 EM <i>Note: For programmed or quench cooling of the Discovery 450/450EM or QNX-based Q400/Q400 EM TMA over temperature range of -70 °C to 400 °C. Sealed refrigeration system does not require liquid nitrogen.</i>
945300.902	Mechanical Cooling Accessory - MCA70 (220VAC/50Hz): for use with Discovery 450/450EM and QNX-based Q400 and Q400 EM <i>Note: For programmed or quench cooling of Discovery 450/450EM and QNX-based Q400/Q400 EM TMA over temperature range of -70 °C to 400 °C. Sealed refrigeration system does not require liquid nitrogen.</i>

Discovery TMA 450/450EM and Q400/Q400EM Replacement Parts

944120.901	Sample Stage, TMA
944122.901	Standard Expansion Probe Assembly, TMA
944123.901	Macro-Expansion Probe Assembly, TMA
944124.901	Volumetric Probe Assembly, TMA
941143.000	Volumetric Sample Vial, TMA
944125.901	Hemispherical Probe Assembly, TMA
944126.901	Penetration Probe Assembly, TMA
944127.901	Flexure Probe Assembly, TMA
945045.901	3-Point Bending Calibration Fixture, TMA
941054.000	3-Point Bending Flexure Platform, TMA
944121.901	Film/Fiber Sample Holder, TMA
945051.901	Film/Fiber Probe Assembly, TMA
945052.901	Film/Fiber Upper Clamp, TMA
945053.901	Film/Fiber Lower Clamp, TMA
945054.001	Film Clamping Fixture, TMA
944330.901	Film Clamp Screws, #0-80, TMA (pkg. of 10)

941038.901	Vial of Cleaved Aluminum Balls (for Film/Fiber Probe), TMA
941148.901	Filling Medium (for Dilatometer Vial), TMA
944341.901	Protective Quartz Disc for Sample Stage, TMA (pkg. of 20)
944344.902	Thermocouple Kit, TMA

Discovery TMA 450/450EM and TMA Q400/Q400EM Calibration Materials

944217.901	Replacement Certified Aluminum Reference Material, TMA
915061.901	Replacement Certified Indium Reference Material
900902.901	Indium Calibration Material (not certified)
944206.901	TMA Certified Temperature and Dimension Calibration Kit

Computer/Monitor/Software/Printer/Balance/Ethernet Router-Switch

925713.001	Advantage Specialty Library Software
251471.002	DSL Router with 4-Port Switch: for communication between an external controller and Thermal and Rheology instruments

TRIOS Guardian

926020.001	TRIOS Guardian (21 CFR Part 11 Compliance) Software
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Q Series Instrument Accessory Kits

970011.901	Accessory Kit, Q2000/Q200
970011.902	Accessory Kit, Q20
970011.903	Accessory Kit, Auto Q20
957011.901	Accessory Kit, Q5000 IR
957011.902	Accessory Kit, Q5000 SA
952011.901	Accessory Kit, Q500/Q50 <i>Note: Contains 1 package of 100 µL platinum pans.</i>
961011.901	Accessory Kit, SDT Q600
944200.901	Accessory Kit, Q400 and Q400 EM <i>Note: This Accessory Kit does not contain the Flexure Accessory Kit (P/N: 944203.902) and must be added in order to replace the entire contents of the Q400 EM Accessory Kit.</i>
944203.902	Flexure Accessory Kit (for Q400 use; supplied with Q400 EM) <i>Note: Includes flexure probe assembly, flexure sample platform, and phase calibration fixture.</i>

Common Thermal Analysis Tools and Accessories

910824.001	DSC Cell Cleaning Brush
259509.000	Spatula, Stainless Steel
259508.000	Tweezers, Brass
271580.001	Tweezers, Curved

RUBOTHERM

Sample Crucibles for DynTHERM TGA

977400.001	Crucible, D 10 mm H 11 mm, Ceramics, DynTHERM TGA
977402.001	Crucible, D 11 mm H 6 mm, Ceramics, DynTHERM TGA

Sample Crucibles for IsoSORP SA

977420.001	Crucible Sinkers Shape, D 16 mm H 20 mm, SS, IsoSORP SA
977421.001	Crucible, D 16 mm H 20 mm, SS, IsoSORP SA
977425.001	Crucible, D 16 mm H 20 mm, Mesh-SS, IsoSORP SA
977406.901	Crucible, D 16 mm H 20 mm, Fused Silica, IsoSORP SA
977430.901	Crucible for Filter Lid, D 22 mm H 28 mm, SS, IsoSORP SA
977540.001	Filter Lid for Crucible (P/N 977430.901)

O-Ring Gaskets for IsoSORP SA and DynTHERM TGA

977518.001	O-Ring, 30 mm x 1 mm, Viton
977519.001	O-Ring, 30 mm x 1 mm, Copper
977520.001	O-Ring, 30 mm x 1 mm, Gold plated Copper
977521.001	O-Ring, 36 mm x 2 mm, FFKM
977522.001	O-Ring, 36 mm x 2 mm, Viton

Discovery HP-TGA Accessories

961060.901	Alumina Sample Cups, Disposable, 90 µL, pkg. of 20
977820.901	Sample Cell O-Ring, SS, Discovery HP-TGA, pkg. of 20
977330.901	Vacuum Kit for Discovery HP-TGA
977840.901	100 mg Class E1 Precision Weight for HP-TGA Weight Calibration
977830.901	Levitation Rod, Al ₂ O ₃ , D 0.5 mm L 305 mm, Discovery HP-TGA
977827.001	Protection Tube for Levitation Rod, Al ₂ O ₃ , Discovery HP-TGA
977825.001	Sample Crucible Holding Platform, Al ₂ O ₃ , Discovery HP-TGA



RHEOLOGY – HR 30, HR 20 & HR 10

HR x0, DHR, and AR-Series Software

402046.901	AutoPilot Option for TRIOS Software
999801.064	AutoPilot Basic Script Writing Service
999801.066	AutoPilot Advanced Script Writing Service
926018.001	LAOS and FT RHEOLOGY for TRIOS: Large Amplitude Oscillatory Shear and Fourier Transform Rheology Software for TRIOS
926019.001	Rheology Polymer Library for TRIOS: includes software for Molecular Weight Distribution Calculations
534805.901	Axial and Tack Testing Software Option for HR 10 Rheometer
534806.901	Direct Strain Software Option for HR 10 Rheometer

Installation and Peltier Kits

250000.001	HR x0, DHR & AR Rheometer Filter/Regulator
500030.901	Membrane Compressed Air Dryer
403209.901	Air Cooled Peltier Circulator (110/220VAC; 50/60Hz) <i>Note: For use with HR x0, DHR, AR and ARES Rheometers.</i>
404500.901	Peltier Circulator TCube Edge Model 5A (110/220VAC; 50/60Hz) with fittings for rheometers <i>Note: For use with HR x0, DHR, AR, and ARES-G2 Peltier Plate and Peltier Concentric Cylinder Systems. For use with HR x0, DHR, and AR UHP systems along with the Combined Manifold (P/N: 554104.901). For use with HR x0 Combined UHP and Peltier Manifold (P/N: 534059.901). NOT FOR USE WITH LASER FLASH, XENON FLASH, OR HEAT FLOW METER INSTRUMENTS.</i>

HR x0, DHR & AR Rheometer Peltier Plates, Geometries, and Accessories

Peltier Plate Temperature Options

533210.901	HR x0, DHR Smart Swap™ Peltier Plate <i>Note: Temperature Range = 200 °C.</i>
533209.901	HR x0, DHR Smart Swap Advanced Peltier Plate
546502.901	HR x0, DHR Dual-Stage Smart Swap Peltier Plate <i>Note: Temperature Range = -45 °C to 200 °C.</i>
533211.901	HR x0, DHR Stepped Peltier with Screw-in Plate <i>Note: Temperature Range = 200 °C.</i>
533212.901	HR x0, DHR Smart Swap Disposable Stepped Peltier Plate <i>Note: Temperature Range = 200 °C. DHR requires Disposable Plate Shaft (P/N: 546320.901). HR x0 requires Disposable Plate Shaft (P/N: 546320.941).</i>
547910.901	HR x0, DHR & AR-Series Peltier Plate Immersion Cell <i>Note: Attaches to HR x0, DHR & AR-Series Smart Swap Peltier Plate. Allows testing of samples in parallel plate and cone and plate geometries while fully immersed in liquid.</i>

547902.901	HR x0, DHR, AR-Series, and ARES-G2 Peltier Camera Viewer Option <i>Note: Camera viewer is NOT compatible with AR 2000 model.</i>
547901.901	HR x0, DHR & AR-Series Peltier Plate Camera Viewer Mounting Kit <i>Note: Customer must supply USB Web camera. Camera viewer is NOT compatible with AR 2000 model.</i>
533231.901	AR to HR x0, DHR Quick-Connect Plumbing Adapter <i>Note: Required for using existing accessories on a HR x0, DHR instrument (includes 2 large male fittings).</i>

Solvent Trap, Purge Gas, Thermal, and Lower Plate Covers for Peltier Plate

529613.901	Hard Anodized Split Solvent Trap Cover and Location Ring
517105.901	Insulated Solvent Trap Cover and Location Ring (for standard Peltier Plate - NOT for use with Stepped Peltier)
529612.901	Peltier Plate Purge Gas Cover and Location Ring
531070.901	Hard Anodized Aluminum Solvent Trap for Advanced Peltier Plate
531035.901	Insulated Solvent Trap for Advanced Peltier Plate (includes Solvent Trap Cover and Location Ring)
531038.901	Advanced Peltier Plate Purge Gas Cover
529750.901	25 mm Plate Insulating Thermal Cover for Peltier Plate
570059.901	Hard Anodized Aluminum Cover Plate (with Ring Adapter), Cross Hatched, 40 mm
570011.901	Hard Anodized Aluminum Cover Plate (with Ring Adapter), Cross Hatched, 60 mm
517040.901	Stainless Steel Cover Plate, Cross Hatched, 40 mm
517060.901	Stainless Steel Cover Plate, Cross Hatched, 60 mm
545430.901	Stainless Steel Peltier Plate Cover
545431.901	Stainless Steel Peltier Plate Cover, Raised Center, 20 mm
545433.901	Stainless Steel Peltier Plate Cover, Raised Center, 60 mm
545435.901	Titanium Peltier Plate Cover, Raised Center, 40 mm
534465.901	HR x0 Peltier Plate Draft Shield

HR x0 and DHR Quick Change Plates and Holder

402751.902	HR x0, DHR, ARES-G2, APS, Quick Change Plate Holder
402625.901	HR x0, DHR, ARES-G2, APS, Stainless Steel, 8 mm, Quick Change Plate
402491.901	HR x0, DHR, ARES-G2, Stainless Steel, 20 mm, Quick Change Plate
402624.901	HR x0, DHR, ARES-G2, APS, Stainless Steel, 25 mm, Quick Change Plate
402623.901	HR x0, DHR, ARES-G2, APS, Stainless Steel, 40 mm, Quick Change Plate
402622.901	HR x0, DHR, ARES-G2, APS, Stainless Steel, 50 mm, Quick Change Plate
402493.901	HR x0, DHR, ARES-G2, Hard Anodized Aluminum, 20 mm, Quick Change Plate
402630.901	HR x0, DHR, ARES-G2, APS, Hard Anodized Aluminum, 25 mm, Quick Change Plate

402631.901	HR x0, DHR, ARES-G2, APS, Hard Anodized Aluminum, 40 mm, Quick Change Plate
402632.901	HR x0, DHR, ARES-G2, APS, Hard Anodized Aluminum, 50 mm, Quick Change Plate
402633.901	HR x0, DHR, ARES-G2, APS, Titanium, 25 mm, Quick Change Plate
402634.901	HR x0, DHR, ARES-G2, APS, Titanium, 50 mm, Quick Change Plate
402811.901	HR x0, DHR, ARES-G2, APS, Stainless Steel, Sandblasted, 8 mm, Quick Change Plate
402494.901	HR x0, DHR, ARES-G2, APS, Stainless Steel, Sandblasted, 20 mm, Quick Change Plate
402770.901	HR x0, DHR, ARES-G2, APS, Stainless Steel, Sandblasted, 25 mm, Quick Change Plate
402769.901	HR x0, DHR, ARES-G2, APS, Stainless Steel, Sandblasted, 40 mm, Quick Change Plate
402627.901	HR x0, DHR, ARES-G2, APS, Stainless Steel, Cross Hatched, 8 mm, Quick Change Plate
402492.901	HR x0, DHR, ARES-G2, APS, Stainless Steel, Cross Hatched, 20 mm, Quick Change Plate
402628.901	HR x0, DHR, ARES-G2, APS, Stainless Steel, Cross Hatched, 25 mm, Quick Change Plate
402629.901	HR x0, DHR, ARES-G2, APS, Stainless Steel, Cross Hatched, 40 mm, Quick Change Plate
402681.901	HR x0, DHR, ARES-G2, APS, Hard Anodized Aluminum, 42 mm Dia., 15 mm Edge Height, Immersion Cup <i>Note: Includes two removable sidewalls (one aluminum and one clear polycarbonate) for easy sample loading and trimming.</i>

HR x0 and DHR Disposable Quick Change Plates and Holder

546320.941	HR x0, Stainless Steel, Smart Swap 2 Disposable Plate Shaft for Peltier Plate and UV Accessories
402611.901	HR x0, DHR, ARES-G2, APS, Aluminum, 8 mm, Quick Change Disposable Plate (pkg. of 20)
402612.901	HR x0, DHR, ARES-G2, APS, Aluminum, 20 mm, Quick Change Disposable Plate (pkg. of 20)
402613.901	HR x0, DHR, ARES-G2, APS, Aluminum, 25 mm, Quick Change Disposable Plate (pkg. of 20)
402751.901	HR x0, DHR, ARES-G2, APS, Quick Change Disposable Plate Holder

HR x0 Custom and Standard Geometry Adapters

532066.901	AR-XXXX to HR x0, DHR & AR-G2 Geometry Adapter Kit <i>Note: For use only with standard Peltier Plate geometries.</i>
545904.941	HR x0 Rheometer Custom Geometry Adapter

Stainless Steel Peltier Cone Geometries with No Solvent Trap (NST)

Note: Following Smart Swap 2 geometries for use with HR x0 only.

511204.946	HR x0, Stainless Steel, 20 mm, 1 deg Cone, NST
511206.946	HR x0, Stainless Steel, 20 mm, 2 deg Cone, NST
511207.946	HR x0, Stainless Steel, 20 mm, 4 deg Cone, NST

Stainless Steel Peltier Plate Geometries with No Solvent Trap (NST)

Note: Following Smart Swap 2 geometries for use with HR x0 only.

511080.946	HR x0, Stainless Steel, 8 mm Plate, NST
511120.946	HR x0, Stainless Steel, 12 mm Plate, NST
511200.946	HR x0, Stainless Steel, 20 mm Plate, NST
511250.946	HR x0, Stainless Steel, 25 mm Plate, NST
517080.946	HR x0, Stainless Steel, Cross Hatched, 8 mm Plate, NST
517200.946	HR x0, Stainless Steel, Cross Hatched, 20 mm Plate, NST
519080.946	HR x0, Stainless Steel, Sandblasted, 8 mm Plate, NST
519250.946	HR x0, Stainless Steel, Sandblasted, 25 mm Plate, NST
519200.946	HR x0, Stainless Steel, Sandblasted, 20 mm Plate, NST

Stainless Steel Peltier Cone Geometries with Solvent Trap

Note: Following Smart Swap 2 geometries for use with HR x0 only.

511203.945	HR x0, Stainless Steel, 20 mm, 0.5 deg Cone
511204.945	HR x0, Stainless Steel, 20 mm, 1 deg Cone
511206.945	HR x0, Stainless Steel, 20 mm, 2 deg Cone
511207.945	HR x0, Stainless Steel, 20 mm, 4 deg Cone
511403.945	HR x0, Stainless Steel, 40 mm, 0.5 deg Cone
511404.945	HR x0, Stainless Steel, 40 mm, 1 deg Cone
511406.945	HR x0, Stainless Steel, 40 mm, 2 deg Cone
511407.945	HR x0, Stainless Steel, 40 mm, 4 deg Cone
511504.945	HR x0, Stainless Steel, 50 mm, 1 deg Cone
511506.945	HR x0, Stainless Steel, 50 mm, 2 deg Cone
511603.945	HR x0, Stainless Steel, 60 mm, 0.5 deg Cone
511604.945	HR x0, Stainless Steel, 60 mm, 1 deg Cone
511606.945	HR x0, Stainless Steel, 60 mm, 2 deg Cone
511607.945	HR x0, Stainless Steel, 60 mm, 4 deg Cone

Stainless Steel Peltier Plate Geometries with Solvent Trap

Note: Following Smart Swap 2 geometries for use with HR x0 only.

511200.945	HR x0, Stainless Steel, 20 mm Plate
511400.945	HR x0, Stainless Steel, 40 mm Plate

511500.945	HR x0, Stainless Steel, 50 mm Plate
511600.945	HR x0, Stainless Steel, 60 mm Plate
517200.945	HR x0, Stainless Steel, Cross Hatched, 20 mm Plate
517400.945	HR x0, Stainless Steel, Cross Hatched, 40 mm Plate
517600.945	HR x0, Stainless Steel, Cross Hatched, 60 mm Plate
519200.945	HR x0, Stainless Steel, Sandblasted, 20 mm Plate
519400.945	HR x0, Stainless Steel, Sandblasted, 40 mm Plate
519600.945	HR x0, Stainless Steel, Sandblasted, 60 mm Plate

Stainless Steel Peltier Cone Geometries with Composite Heat Break

Note: Following Smart Swap 2 geometries for use with HR x0 only.

512206.946	HR x0, Stainless Steel, Composite HB, 20 mm, 2 deg Cone, NST
512206.945	HR x0, Stainless Steel, Composite HB, 20 mm, 2 deg Cone
512406.945	HR x0, Stainless Steel, Composite HB, 40 mm, 2 deg Cone
512407.945	HR x0, Stainless Steel, Composite HB, 40 mm, 4 deg Cone
512606.945	HR x0, Stainless Steel, Composite HB, 60 mm, 2 deg Cone
512607.945	HR x0, Stainless Steel, Composite HB, 60 mm, 4 deg Cone

Stainless Steel Peltier Plate Geometries with Composite Heat Break

Note: Following Smart Swap 2 geometries for use with HR x0 only.

512080.946	HR x0, Stainless Steel, Composite HB, 8 mm, NST
512200.946	HR x0, Stainless Steel, Composite HB, 20 mm, NST
512200.945	HR x0, Stainless Steel, Composite HB, 20 mm
512250.946	HR x0, Stainless Steel, Composite HB, 25 mm, NST
512400.945	HR x0, Stainless Steel, Composite HB, 40 mm
512600.945	HR x0, Stainless Steel, Composite HB, 60 mm

Titanium Peltier Plate Geometries with Solvent Trap

Note: Following Smart Swap 2 geometries for use with HR x0 only. Titanium geometries have a stainless steel shaft.

520400.945	HR x0, Titanium, 40 mm Plate
520600.945	HR x0, Titanium, 60 mm Plate
520604.945	HR x0, Titanium, 60 mm, 1 deg Cone
520606.945	HR x0, Titanium, 60 mm, 2 deg Cone

Hard Anodized Aluminum (HA AL) Peltier Cone Geometries with Solvent Trap

Note: Following Smart Swap 2 geometries for use with HR x0 only.

513204.945	HR x0, HA Aluminum, 20 mm, 1 deg Cone
513206.945	HR x0, HA Aluminum, 20 mm, 2 deg Cone

513207.945	HR x0, HA Aluminum, 20 mm, 4 deg Cone
513404.945	HR x0, HA Aluminum, 40 mm, 1 deg Cone
513406.945	HR x0, HA Aluminum, 40 mm, 2 deg Cone
513407.945	HR x0, HA Aluminum, 40 mm, 4 deg Cone
513603.945	HR x0, HA Aluminum, 60 mm, 0.5 deg Cone
513604.945	HR x0, HA Aluminum, 60 mm, 1 deg Cone
513606.945	HR x0, HA Aluminum, 60 mm, 2 deg Cone
513607.945	HR x0, HA Aluminum, 60 mm, 4 deg Cone

Hard Anodized Aluminum (HA AL) Peltier Plate Geometries with Solvent Trap

Note: Following Smart Swap 2 geometries for use with HR x0 only.

513200.945	HR x0, HA Aluminum, 20 mm Plate
513400.945	HR x0, HA Aluminum, 40 mm Plate
513600.945	HR x0, HA Aluminum, 60 mm Plate

HR x0, DHR, and AR Rheometer Concentric Cylinders, Geometries, and Accessories

Note: HA AL = Hard Anodized Aluminum; SST = Stainless Steel.

Concentric Cylinder Jackets for HR x0, DHR & AR-G2 and AR 2000

533201.901	HR x0, DHR Smart Swap Concentric Cylinder Peltier Jacket Note: Does NOT include cup or rotor. Includes cover.
547310.901	HR x0, DHR & AR-Series Smart Swap Concentric Cylinder Electrically Heated Jacket
547308.901	HR x0, DHR & AR-Series Electrically Heated Jacket Air Cooling Option

HR x0 Smart Swap 2 Rotors for Concentric Cylinders

Note: Following Smart Swap 2 geometries for use with HR x0 only.

546011.941	HR x0, HA Aluminum Conical DIN Rotor, Rad = 14 mm, Height = 42 mm
546016.941	HR x0, HA Aluminum Recessed End Rotor, Rad = 14 mm, Height = 42 mm
546012.941	HR x0, Stainless Steel, Conical DIN Rotor, Rad = 14 mm, Height = 42 mm
546009.941	HR x0, Stainless Steel, Conical DIN Rotor, Sandblasted, Rad = 14 mm, Height = 42 mm
546017.941	HR x0, Stainless Steel Recessed End Rotor, Rad = 14 mm, Height = 42 mm
545043.941	HR x0, Stainless Steel, Conical Rotor, Rad = 7.5 mm (appropriate for measurements of crumb-rubber modified asphalt)
546026.941	HR x0, Stainless Steel Vaned Rotor, Rad = 14 mm, Height = 42 mm
546027.941	HR x0, Wide Gap Vaned Rotor with Heat Break, Rad = 7.5 mm, Height = 38 mm
546048.941	HR x0, Stainless Steel Double Gap Rotor, Inner Rad = 16 mm, Outer Rad = 17.5 mm, Height = 53 mm

546049.941	HR x0, HA Aluminum Double Gap Rotor, Inner Rad = 16 mm, Outer Rad = 17.5 mm, Height = 53 mm
546021.941	HR x0, Ver 1 HA Aluminum Double Gap Rotor, Inner Rad = 20.38 mm, Outer Rad = 21.96, Height = 59.5 mm
546022.941	HR x0, Ver 1 Stainless Steel Double Gap Rotor, Inner Rad = 20.38 mm, Outer Rad = 21.96, Height = 59.5 mm

HR x0, DHR & AR-Series Peltier Concentric Cylinder Cups

545700.901	HA Aluminum Standard Concentric Cylinder Cup with Cap for HR x0, DHR & AR-Series Peltier Jacket
545696.901	Stainless Steel Standard Concentric Cylinder Cup with Cap
546046.901	Stainless Steel, Single Gap Cup, Sandblasted, Rad = 15.2 mm
546050.901	HA Aluminum Double Gap Concentric Cylinder Cup, Inner Rad = 15.1 mm, Outer Rad = 18.5 mm for HR x0, DHR & AR-Series Peltier Jacket
546045.901	Stainless Steel Double Gap Concentric Cylinder Cup (Diameter = 30.4 mm, Outer Rad = 18.5 mm) for HR x0, DHR & AR-Series Peltier Jacket
545612.901	Ver 1 HA Aluminum Double Gap Concentric Cylinder Cup (Inner Rad = 20.00 mm, Outer Rad = 22.38 mm) for HR x0, DHR & AR-Series Peltier Jacket
545613.901	Ver 1 Stainless Steel Double Gap Concentric Cylinder Cup (Inner Rad = 20.00 mm, Outer Rad = 22.38 mm) for HR x0, DHR & AR-Series Peltier Jacket
545615.901	HA Aluminum Large Diameter Concentric Cylinder Cup (Rad = 22 mm) for HR x0, DHR & AR-Series Peltier Jacket
545642.001	Stainless Steel Blank Plug for HR x0, DHR & AR-Series Peltier Jacket Double Gap Cup
545610.901	HA Aluminum Grooved Concentric Cylinder Cup for HR x0, DHR & AR-Series Peltier Jacket
545666.901	HA Aluminum Starch Rotor Concentric Cylinder Cup (Rad = 18.5 mm) for HR x0, DHR & AR-Series Peltier Jacket
547305.901	Stainless Steel Single-Piece Concentric Cylinder Cup
545050.901	Disposable Concentric Cylinder Kit for Peltier and Electrically Heated Jackets
545075.901	Disposable Concentric Cylinder Cups (pkg. of 20)
545609.901	Peltier Concentric Cylinder Solvent Trap Note: NOT FOR USE WITH DOUBLE WALL CONCENTRIC CYLINDER SYSTEM.
545626.001	Split Cover for HR x0, DHR & AR-Series Smart Swap Peltier Concentric Cylinders
578096.001	Replacement O-Ring for Double Gap Concentric Cylinder Cup
578148.001	Replacement O-Ring for Standard and Grooved Concentric Cylinder Cups with Cap
270323.007	High Temperature O-Ring for SST Double Gap Concentric Cylinder Cup
270323.008	High Temperature O-Ring for SST Standard Concentric Cylinder Cup with Cap

HR x0, DHR & AR-G2 Building Materials Cell

533246.901	HR x0, DHR & AR-G2, Stainless Steel Building Materials Cell Cup with Slotted Cage
533247.901	HR x0, DHR & AR-G2, Stainless Steel Building Materials Cell Paddle
533264.901	HR x0, DHR & AR-G2, Replacement Stainless Steel Building Materials Cell Slotted Cage (use with P/N: 533246.901)

HR x0, DHR & AR-G2 and AR Helical Tools

546018.901	HR x0, DHR & AR-G2 Stainless Steel Helical Rotor
546093.001	Helical Cup, HA Aluminum (diameter = 34 mm, height = 50 mm)

UPP Upper Peltier Plates, Geometries, and Accessories

534050.901	HR x0, Upper Peltier Plate System (for use with lower Peltier plates)
534515.941	HR x0, Stainless Steel, 8 mm, Upper Peltier UTS Plate
534519.941	HR x0, Stainless Steel, 20 mm, Upper Peltier UTS Plate
534516.941	HR x0, Stainless Steel, 25 mm, Upper Peltier UTS Plate
534517.941	HR x0, Stainless Steel, 40 mm, Upper Peltier UTS Plate
534518.941	HR x0, Stainless Steel, 40 mm, 2 deg, Upper Peltier UTS Cone
534052.901	UPP Solvent Reservoir for Standard Peltier Plate
534053.901	UPP Solvent Reservoir for Advanced Peltier Plate
202610.002	Low Temperature Circulator Polyscience LS5 model 120V 60Hz
202611.002	Low Temperature Circulator Polyscience LS5 model 240V 50Hz
534054.901	UPP Low Temperature Accessory Kit
203305.001	HC-30 UPP Low Temperature Circulation Fluid (pkg. of 1)
534538.001	6 mm Sample Trimming Tool
534539.001	3 mm Sample Trimming Tool



UHP Upper Heated Plates, EHP Electrically Heated Plates, Geometries, and Accessories

UHP and Dry Asphalt Systems

534063.901	HR x0 Upper Heated Plate System (for use with Peltier Plate)
534061.901	HR x0 Dry Asphalt System
545815.941	HR x0 Upper Heated Plate Smart Swap 2 Geometry Shaft and Heat Spreader
545808.901	HR x0, DHR & AR-Series UHP and Dry Asphalt Low Temperature Cooling Option <i>Note: This cooling option is required when cooling with fluid circulator below temperatures of 5 °C. Customer must supply fluid circulator.</i>
545807.901	HR x0, DHR & AR-Series UHP and Dry Asphalt Standard Cooling Option <i>Note: This cooling option is required when cooling with fluid circulator above temperatures of 5 °C. Customer must supply fluid circulator.</i>
534058.901	HR x0 UHP and Dry Asphalt Vortex Cooler <i>Note: Requires Low Temperature Cooling Option P/N: 545808.901.</i>
546201.941	HR x0 Smart Swap 2 UHP/EHP Upper Disposable Plate Holder <i>Note: Not compatible with UTS.</i>
545878.901	HR x0, DHR & AR-G2 UHP Heat Flow Calibration Kit
534059.901	HR x0 Combined UHP and Peltier Manifold <i>Note: For use over temperature range of 5 °C to 90 °C. Requires chilling circulator with water circulation fluid controlled at 2 °C.</i>

EHP Electrically Heated Plate Kits

534056.901	HR x0 Electrically Heated Plate System <i>Note: Max Temperature = 400 °C. Includes 25 mm stainless steel plates.</i>
534057.901	HR x0 Electrically Heated Disposable Plate System <i>Note: Max Temperature = 400 °C. Includes five sets of 25 mm drip channel disposable plates.</i>
534062.901	HR x0 Add-On Disposable Plate Accessory for EHP <i>Note: Includes parts necessary to convert Electrically Heated Plate System, P/N: 533206.901 or P/N: 534056.901, for disposable plate use. Includes five sets of 25 mm drip channel disposable plates.</i>
546109.901	EHP Glass Purge Cover (maximum use temperature = 300 °C)
546127.901	HR x0, DHR and AR EHP GCA Kit (cooling down to -70 °C)
991600.901	Gas Cooling Accessory for HR x0, DMA 850, Q800, DHR, and AR-Series EHP

HR x0 EHP and UHP Stainless Steel Smart Swap 2 Upper UTS (Upper Temperature Sensor) Geometries

Note: UTS upper Smart Swap 2 Geometries are for use with UTS Draw Rod and lower screw-in plates. UTS and UTS geometries are required for patented Active Temperature Control of upper plate. This feature is available only with TA Instruments HR x0 EHP and UHP Temperature Systems.

546202.941	HR x0, Stainless Steel, 8 mm Upper UTS Plate (use with P/N: 546240.001)
546220.941	HR x0, Stainless Steel, 20 mm Upper UTS Plate (use with P/N: 546261.001)

546203.941	HR x0, Stainless Steel, 25 mm Upper UTS Plate (use with P/N: 546241.001)
546204.941	HR x0, Stainless Steel, 40 mm Upper UTS Plate (use with P/N: 546242.001)
546210.941	HR x0, Stainless Steel, 25 mm 0.1 Rad Upper UTS Cone (use with P/N: 546241.001)
546208.941	HR x0, Stainless Steel, 25 mm 0.04 Rad Upper UTS Cone (use with P/N: 546241.001)
546206.941	HR x0, Stainless Steel, 25 mm 0.02 Rad Upper UTS Cone (use with P/N: 546241.001)
546205.941	HR x0, Stainless Steel, 25 mm 1 deg Upper UTS Cone (use with P/N: 546241.001)
546207.941	HR x0, Stainless Steel, 25 mm 2 deg Upper UTS Cone (use with P/N: 546241.001)
546209.941	HR x0, Stainless Steel, 25 mm 4 deg Upper UTS Cone (use with P/N: 546241.001)
546216.941	HR x0, Stainless Steel, 40 mm 0.1 Rad Upper UTS Cone (use with P/N: 546242.001)
546214.941	HR x0, Stainless Steel, 40 mm 0.04 Rad Upper UTS Cone (use with P/N: 546242.001)
546212.941	HR x0, Stainless Steel, 40 mm 0.02 Rad Upper UTS Cone (use with P/N: 546242.001)
546211.941	HR x0, Stainless Steel, 40 mm 1 deg Upper UTS Cone (use with P/N: 546242.001)
546213.941	HR x0, Stainless Steel, 40 mm 2 deg Upper UTS Cone (use with P/N: 546242.001)
546215.941	HR x0, Stainless Steel, 40 mm 4 deg Upper UTS Cone (use with P/N: 546242.001)
546014.901	HR x0, DHR & AR-G2, Upper Temperature Sensor Draw Rod <i>Note: For use with EHP and UHP temperature systems. Requires UTS geometries. UTS draw rod comes standard with EHP and UHP temperature systems ONLY.</i>

Electrically Heated Plate, Upper Heated Plate, and Dry Asphalt System Screw-in Plates

Note: Screw-in Parallel Plates for use with the following Systems:

- 1.) HR x0 or DHR & AR-G2 EHP: Lower Plate only;
- 2.) AR 2000/1500ex EHP upper and lower;
- 3.) HR x0 or DHR & AR-G2, AR 2000 and AR 1500ex UHP with Standard Peltier Plate: Upper plate Only, and;
- 4.) HR x0 or DHR & AR-G2, AR 2000/ex and AR 1500ex Dry Asphalt System: For upper and lower use (two of these parts are required to replace both upper and lower). 4 mm, 8 mm, and 25 mm plates also compatible with Stepped Peltier. These plates are constructed with flats and are used with the flat plate removal wrench.

546241.001	Stainless Steel, 25 mm Screw-in Parallel Plate for EHP, UHP, and Dry Asphalt
546261.001	Stainless Steel, 20 mm Screw-in Parallel Plate for EHP, UHP, and Dry Asphalt
546242.001	Stainless Steel, 40 mm Screw-in Parallel Plate for EHP, UHP, and Dry Asphalt
546239.001	Stainless Steel, 4 mm Screw-in Parallel Plate for EHP, UHP, and Dry Asphalt
546240.001	Stainless Steel, 8 mm Screw-in Parallel Plate for EHP, UHP, and Dry Asphalt

546259.001	Stainless Steel, 8 mm Cross Hatched Screw-in Parallel Plate for EHP, UHP, and Dry Asphalt
546255.001	Stainless Steel, 25 mm Cross Hatched Screw-in Parallel Plate for EHP, UHP, and Dry Asphalt
546256.001	Stainless Steel, 40 mm Cross Hatched Screw-in Parallel Plate for EHP, UHP, and Dry Asphalt
546265.001	Stainless Steel, 8 mm Sandblasted Screw-in Parallel Plate for EHP, UHP, and Dry Asphalt
546266.001	Stainless Steel, 25 mm Sandblasted Screw-in Parallel Plate for EHP, UHP, and Dry Asphalt
546267.001	Stainless Steel, 40 mm Sandblasted Screw-in Parallel Plate for EHP, UHP, and Dry Asphalt

ETC Environmental Test Chamber, Air Chiller Systems, Kits, Geometries, and Gas Manifolds

ETC system requires the chamber and one or more Accessory Kits. The flow meter kit (P/N: 543311.901) is required if cooling accessory is not specified.

ETC Environmental Test Chambers and Air Chiller Systems

534040.901	HR x0 Environmental Test Chamber (ETC) Note: Maximum Temperature = 600 °C.
533208.901	HR x0, DHR ETC Oven Camera Viewer Option
405001.901	ACS-2 Air Chiller System (220-230VAC/60 Hz) Note: Requires HR x0, DHR ETC Air Chiller Panel (P/N: 405400.901) for operation.
405001.902	ACS-2 Air Chiller System (220-230VAC/50 Hz) Note: Requires HR x0, DHR ETC Air Chiller Panel (P/N: 405400.901) for operation.
405000.901	ACS-3 Air Chiller System (220-230VAC/60 Hz) Note: Requires HR x0, DHR ETC Air Chiller Panel (P/N: 405400.901) for operation.
405000.902	ACS-3 Air Chiller System (220-230VAC/50 Hz) Note: Requires HR x0, DHR ETC Air Chiller Panel (P/N: 405400.901) for operation.
405400.901	HR x0, DHR ETC & DMA 850/ Q800 Combined Air Chiller Panel (for use with ACS-2 and ACS-3 Air Chiller Systems)
545056.901	Combined Air Chiller Panel Upgrade Kit (for use with DMA 850 / Q800 Air Chiller Panel, P/N: 986400.901 to add functionality for use with a HR x0, DHR ETC)

HR x0 ETC Kits

534066.901	HR x0 ETC Parallel Plate Accessory Kit Note: Includes 25 mm stainless steel parallel plates. All other geometries purchased separately.
534068.901	HR x0 ETC Disposable Parallel Plate Accessory Kit

534069.901	HR x0 ETC Pressure Sensitive Adhesives Accessory Kit Note: Includes 8 and 25 mm stainless steel parallel plates. All other geometries purchased separately.
534070.901	HR x0 ETC Asphalt Parallel Plate Accessory Kit Note: Includes 8 and 25 mm stainless steel parallel plates and silicone asphalt molds.
534067.901	HR x0 ETC Torsion Clamp Accessory Kit Note: Includes clamps for rectangular solid samples. Maximum Sample Size: Length = 50 mm, Width = 13 mm, Thickness = 5 mm.
534083.901	HR x0 ETC Torsion Cylindrical Clamp Accessory Kit Note: Includes collets to accommodate rods 1.5, 3, and 4.5 mm in diameter. Maximum Sample Length = 40 mm.

HR x0 ETC Stainless Steel Smart Swap 2 Upper Single Piece Geometries

543602.941	HR x0, Stainless Steel, 4 mm ETC Plate (use with P/N: 527040.904)
543601.941	HR x0, Stainless Steel, 8 mm ETC Plate (use with P/N: 527080.904)
543606.941	HR x0, Stainless Steel, 25 mm ETC Plate (use with P/N: 527250.904)
543611.941	HR x0, Stainless Steel, 40 mm ETC Plate (use with P/N: 527400.903)
543640.941	HR x0, Stainless Steel, 8 mm Cross Hatched ETC Plate (use with P/N: 527080.906)
543641.941	HR x0, Stainless Steel, 25 mm Cross Hatched ETC Plate (use with P/N: 527250.906)
543642.941	HR x0, Stainless Steel, 40 mm Cross Hatched ETC Plate (use with P/N: 527400.905)
543651.941	HR x0, Stainless Steel, 25 mm, 0.1 rad, ETC Cone (use with P/N: 527250.904)
543652.941	HR x0, Stainless Steel, 25 mm, 0.04 rad, ETC Cone (use with P/N: 527250.904)
543661.941	HR x0, Stainless Steel, 25 mm, 2 deg, ETC Cone (use with P/N: 527250.904)
543662.941	HR x0, Stainless Steel, 25 mm, 4 deg, ETC Cone (use with P/N: 527250.904)
543671.941	HR x0, Stainless Steel, 40 mm, 2 deg, ETC Cone (use with P/N: 527400.903)
543672.941	HR x0, Stainless Steel, 40 mm, 4 deg, ETC Cone (use with P/N: 527400.903)
543681.941	HR x0, Stainless Steel, Upper ETC Smart Swap Torsion Geometry

Stainless Steel Stepped (lower) Screw-in ETC Plates

Note: For use with lower ETC fixture in HR x0 ETC kits (P/N: 534066.901, 534069.901, 534070.901) or DHR & AR-G2 ETC kits (P/N: 543406.941, 543409.941, 543410.941)

527040.904	Stainless Steel, 4 mm Stepped Lower ETC Plate (use with single piece upper shaft/geometries, or use two of this part number if using upper screwed shaft)
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527080.904	Stainless Steel, 8 mm Stepped Lower ETC Plate (use with single piece upper shaft/geometries, or use two of this part number if using upper screwed shaft)
527250.904	Stainless Steel, 25 mm Stepped Lower ETC Plate (use with single piece upper shaft/geometries, or use with upper screw-in plate P/N: 527250.903 and upper screwed shaft)
527400.903	Stainless Steel, 40 mm ETC Plate, use for upper and lower (use one with single piece upper shaft P/N: 543331.001, or two required if used with upper screwed shaft)
527080.906	Stainless Steel, Cross Hatched, 8 mm Stepped Lower ETC Plate (use with single piece upper geometry P/N: 543640.901)
527250.906	Stainless Steel, Cross Hatched, 25 mm Stepped Lower ETC Plate (use with single piece upper shaft/geometries, or use with upper screw-in plate P/N: 527250.905 if using upper screwed shaft)
527400.905	Stainless Steel, Cross Hatched 40 mm ETC Plate, use for upper and lower (use with single piece upper shaft/geometries, or use two of this part number if using upper screwed shaft)

Hard Anodized Aluminum Stepped (lower) ETC Plates

Note: For use with lower ETC fixture in HR x0 ETC kits (P/N: 534066.901, 534069.901, 534070.901) or DHR & AR-G2 ETC kits (P/N: 543406.941, 543409.941, 543410.941)

526080.904	HA Aluminum, 8 mm Stepped Lower ETC Plate (2 required)
526250.904	HA Aluminum, 25 mm Stepped Lower ETC Plate (use with P/N: 526250.903)
526400.903	HA Aluminum, 40 mm ETC Plate, use for upper and lower (2 required)

Aluminum Disposable Plates for ETC/EHP/UHP and Disposable Stepped Peltier

Note: For use with upper ETC shaft
(HR x0 P/N: 543682.941; DHR & AR-G2 P/N: 543682.901)

543682.941	HR x0, Smart Swap 2, Upper Disposable Plate Shaft for ETC
523080.937	Aluminum, 8 mm Disposable Plates (pkg. of 20)
523200.917	Aluminum, 20 mm Disposable Plates (pkg. of 10)
523250.937	Aluminum, 25 mm Disposable Plates (pkg. of 20)
523250.927	Aluminum, 25 mm Disposable Plates (pkg. of 100)
523250.928	Aluminum, 25 mm Disposable Plates (with Drip Channel) (pkg. of 100)
523250.938	Aluminum, 25 mm Disposable Plates (with Drip Channel) (pkg. of 20) Note: Required for EHP and UHP upper and lower systems.
523400.937	Aluminum, 40 mm Disposable Plates (pkg. of 20)
523400.927	Aluminum, 40 mm Disposable Plates (pkg. of 100)

Stainless Steel Disposable Plates for ETC/EHP/UHP and Disposable Stepped Peltier

Note: For use with upper ETC shaft
(HR x0 P/N: 543682.941; DHR & AR-G2 P/N: 543682.901)

527080.937	Stainless Steel, 8 mm Disposable Plates (pkg. of 20)
527250.937	Stainless Steel, 25 mm Disposable Plates (pkg. of 20)
527250.938	Stainless Steel, 25 mm Disposable Plates (with Drip Channel) (pkg. of 20) Note: Required for EHP and UHP upper and lower systems.
527400.937	Stainless Steel, 40 mm Disposable Plates (pkg. of 20)

ETC/EHP Accessories

543097.911	ETC Melt Rings for 25 mm Lower Stepped ETC Plate (pkg. of 50)
578904.001	Brass Scraper (for cleaning plates)
578905.001	Brass Brush (for cleaning plates)

ETC Flow Meter and Low Temp Kits for HR x0, DHR & AR-Series

543311.901	HR x0, DHR & AR-Series ETC Flow Meter Kit
543313.901	HR x0, DHR & AR-Series Low Temperature Fittings with LN2 Dewar
543312.901	HR x0, DHR & AR-Series Low Temperature Fittings without LN2 Dewar

HR x0, DHR & AR-Series Specialty Geometries and Accessories

HR 30, HR 20, DHR Relative Humidity (RH) Accessory

547200.901	HR 30, HR 20, DHR-RH Accessory for Discovery Hybrid Rheometer
547207.901	HR x0, DHR-RH Parallel Plate Accessory Kit
547210.901	HR x0, DHR-RH Annular Ring Accessory
547211.901	HR x0, DHR-RH Surface Diffusion Accessory
547208.901	HR x0, DHR-RH Film/Fiber Tension Accessory Kit
547278.901	HR x0, DHR-RH 3-Point Bending Accessory Kit
547282.901	HR x0, DHR-RH Cantilever Bending Clamp Kit
547279.901	HR x0, DHR-RH Rectangular Torsion Clamp Accessory Kit
547280.901	HR x0, DHR-RH Tribo-rheometry, Ring Upper Geometry
547281.901	HR x0, DHR-RH Tribo-rheometry Accessory Base Kit

DMA Mode for HR 30, HR 20 and DHR Rheometers

926021.001	DMA Mode for HR 20, DHR Rheometers
533890.901	HR 30, HR 20, DHR 3-Point Bending Clamp Accessory Kit
533892.901	HR 30, HR 20, DHR Cantilever Bending Clamp Accessory Kit
533894.901	HR 30, HR 20, DHR Film/Fiber Tension Accessory Kit

HR 30, HR 20, DHR Extensional Viscosity Accessory (EVA)

545201.901	HR 30, HR 20, DHR Extensional Viscosity Accessory (EVA)
404140.901	HR x0, DHR Standard Drum Pair Set for EVA
404140.903	HR x0, DHR Knurled Surface Drum Pair Set for EVA
404140.905	HR x0, DHR Roughened Surface Drum Pair Set for EVA
403056.901	HR x0, DHR, ARES-G2 Replacement Clamps for EVA (pkg. of 6)

HR 30, HR 20, DHR & AR-Series SER3 and SER2 Universal Testing Platform

547906.901	SER3 Universal Testing Platform for HR 30, HR 20, DHR & AR
200974.002	SER3 and SER2 Standard Drum Pair for HR x0, DHR & AR
200975.002	SER3 and SER2 Knurled Surface Drum Pair Set for HR x0, DHR & AR
200976.002	SER3 and SER2 Rough Surface Drum Pair Set for HR x0, DHR & AR
200977.002	Securing Clamps for HR x0, DHR & AR SER3/2 and ARES-G2 SER3 (pkg. of 6)
200978.001	SER3 and SER2 Dual Blade Cutter Assembly
200979.001	Razor Blades for SER3 and SER2 Dual Blade Cutter Assembly (pkg. of 50)

HR x0, DHR Optics Plate Accessory

546800.901	Optics Plate Accessory
546800.902	Optics Plate Accessory with Camera
546801.901	Optics Plate Accessory Replacement Glass Plates and O-rings
546802.941	HR x0, Stainless Steel, 40 mm Parallel Plate, Mirror Finish
546803.941	HR x0, Stainless Steel, 40 mm Upper UTS Plate, Mirror Finish

HR 30, HR 20, DHR Modular Microscope Accessory (MMA)

546810.901	HR 30, HR 20, DHR Modular Microscope Accessory (MMA)
546800.901	Optics Plate Accessory
546814.901	HR x0, DHR Counter-Rotating Optics Plate Accessory
546812.901	HR x0, DHR Optics Plate Thin Cover Glass Kit
546809.901	Modular Microscope Accessory Replacement Thin Glass Cover
546815.901	HR x0, DHR MMA Piezo Scanner 100 μ m
203274.001	HR x0, DHR MMA Fluorescence Splitter
203273.001	HR x0, DHR MMA Objective 20X Long Working Distance
203183.001	HR x0, DHR MMA Objective 40X Long Working Distance
203135.001	HR x0, DHR MMA Objective 20X Short Working Distance
203170.001	HR x0, DHR MMA Objective 50X Short Working Distance, Oil
203171.001	HR x0, DHR MMA Objective 100X Short Working Distance, Oil

HR 30, HR 20 Magneto-Rheology Accessory

534075.901	HR 30, HR 20, Magneto-Rheology Accessory
547106.901	HR x0, DHR Magneto-Rheology Closed Loop Field Kit
547107.901	HR x0, DHR Magneto-Rheology Extended Temperature Kit
547110.941	HR x0, Magneto-Rheology Parallel Plate, 20 mm, Stainless Steel
547111.941	HR x0, Magneto-Rheology Cone, 20 mm, 2 deg, Stainless Steel
547112.901	HR x0, DHR Magneto-Rheology Lower Plate
595007.901	Computer-Controlled Circulator, Wide Range (115VAC/60Hz)
595007.902	Computer-Controlled Circulator, Wide Range (230VAC/50Hz)
203349.001	Thermal C5 Low Temperature Circulator Fluid (-35 °C to 110 °C)
203350.001	Thermal C20S High Temperature Circulator Fluid (0 °C to 200 °C)

HR 30, HR 20, DHR Electro-Rheology Accessory

546701.901	HR 30, HR 20, DHR Electro-Rheology Accessory (110VAC) <i>Note: Requires Electro-rheology shield kit P/N: 534060.901 for HR x0 and P/N: 533604.901 for DHR.</i>
546701.902	HR 30, HR 20, DHR Electro-Rheology Accessory (220VAC) <i>Note: Requires Electro-rheology shield kit P/N: 534060.901 for HR x0 and P/N: 533604.901 for DHR.</i>
534060.901	HR x0 Electro-Rheology Shield and Safety Interlock Kit
546761.941	HR x0 Electro-Rheology, Parallel Plate, 25 mm
546705.941	HR x0 Electro-Rheology, Parallel Plate, 40 mm
546762.941	HR x0 Electro-Rheology, 25 mm DIN Rotor
545630.902	HR x0, DHR Electro-Rheology, Stainless Steel Concentric Cylinders Cup, 30 mm diameter

HR x0, DHR & AR-G2 Immobilization Cell Accessory

547920.901	HR x0, DHR & AR-G2 Immobilization Cell Accessory
547962.001	Replacement Sieve for Immobilization Cell

HR x0, DHR & AR-G2 Tribo-Rheometry Accessory

533242.901	Tribo-Rheometry Accessory Base Kit
533279.901	HR x0, DHR & AR-G2, Tribo-Rheometry Coupling Adapter, Short
533279.902	HR x0, DHR & AR-G2, Tribo-Rheometry Coupling Adapter, Long
533273.902	Tribo-Rheometry, Single Ball Upper Geometry Holder, Short
533273.901	Tribo-Rheometry, Single Ball Upper Geometry Holder, Medium
533273.903	Tribo-Rheometry, Single Ball Upper Geometry Holder, Long
533283.901	Tribo-Rheometry, Ring on Plate Upper Geometry Holder
533290.901	Tribo-Rheometry, 3 Balls on Plate Upper Geometry Holder
533249.901	Tribo-Rheometry, 5/16" Truncated SST Balls (pkg. of 12)
533250.901	Tribo-Rheometry, 1/2" SST Balls (pkg. of 25)
533284.901	Tribo-Rheometry, Ring Upper Geometry (pkg. of 3)

533274.901	Tribo-Rheometry, Ball on 3 Balls Lower Geometry
533281.901	Tribo-Rheometry, SST Cup 45 mm Lower Geometry (pkg. of 2)
533282.901	Tribo-Rheometry, 3 Plates Lower Geometry
533291.901	Tribo-Rheometry, Ball on 3 Plates SST Test Plates (pkg. of 30)
523400.907	Aluminum, 40 mm Disposable Plate
533300.901	HR x0, DHR & AR-G2, ETC, Tribo-Rheometry Lower Geometry Holder
532080.901	HR x0, DHR, ARES-G2, APS, Tribo-Rheometry Lower Geometry Holder

HR 30, HR 20, DHR Rheo-Raman Accessory

533613.901	HR 30, HR 20, DHR Rheo-Raman Accessory <i>Note: Requires iXR Raman Spectrometer, sold separately. Also requires Upper Heated Plate (P/N: 545803.901 for DHR or 534063.901 for HR x0), appropriate UTS-compatible upper geometry, Rheo-Raman microscope objective (P/N: 271904.001), and Rheo-Raman optical table (P/N: 271920.001 for DHR or 272004.001 for HR x0). Requires service engineer installation quoted separately.</i>
272004.001	HR x0, DHR Rheo-Raman Optical Table
271904.001	HR x0, DHR Rheo-Raman Objective 20X Long Working Distance
533611.901	Rheo-Raman Accessory Replacement Glass Plates and O-rings

HR 30, HR 20, DHR Dielectric Accessory

546601.901	HR 30, HR 20, DHR Dielectric Accessory: requires appropriate geometries and customer-supplied LCR meter
546602.901	HR x0, DHR 25 mm Upper Dielectric Geometry: for use with the HR 30, HR 20, DHR Dielectric Accessory (P/N: 546601.901)
546603.901	HR x0, DHR 25 mm Lower Dielectric Geometry: for use with the HR 30, HR 20, DHR Dielectric Accessory (P/N: 546601.901)
546610.901	HR x0, DHR Upper Dielectric Disposable Geometry: for use with the HR 30, HR 20, DHR Dielectric Accessory (P/N: 546601.901)
546615.901	HR x0, DHR Lower Dielectric Disposable Geometry: for use with the HR 30, HR 20, DHR Dielectric Accessory (P/N: 546601.901)
613.04946	Keysight E4980A LCR Meter for HR x0, DHR and ARES-G2, RSA-G2 DETA: frequency range: 20Hz. to 2MHz.; AC test signal (potential) 0.005 to 20 Volts (115/230VAC; 50/60Hz.)
203330.001	Keysight E4980AL-102 LCR Meter for HR x0, DHR and ARES-G2, RSA-G2 DETA: frequency range: 20Hz to 1MHz; AC test signal (potential) 0.001 to 2 Volts (115/230VAC; 50/60Hz)
534076.901	DHR to HR x0 Dielectric Accessory Upgrade Kit

HR x0, DHR & AR-Series Torsion Immersion

545618.901	HR x0, DHR & AR-Series Smart Swap Torsion Immersion Kit <i>Note: Requires Peltier Fluid Jacket P/N: 533201.901.</i>
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HR x0, DHR & AR-Series Generic Container Holder

547004.901	HR x0, DHR & AR-Series Generic Container Holder <i>Note: Suitable for containers with OD in the range of 30 mm to 80 mm.</i>
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HR x0, DHR & AR-Series Blank Smart Swap Base

531056.901	HR x0, DHR & AR-Series Blank Smart Swap Base
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HR x0, DHR Pressure Cell

533216.901	HR x0, DHR Pressure Cell High Temp <i>Note: Requires Smart Swap Peltier Concentric Cylinder Jacket P/N: 533201.901 or Smart Swap Electrically Heated Concentric Cylinder P/N: 547310.901.</i>
402828.901	Starch Rotor for HR x0, DHR Pressure Cell (P/N: 533216.901)
402815.901	Vane Rotor for HR x0, DHR Pressure Cell (P/N: 533216.901)
534064.901	DHR to HRx0 Pressure Cell Upgrade Kit

HR x0, DHR High Sensitivity Pressure Cell

547050.901	HR x0, DHR High Sensitivity Pressure Cell <i>Note: Requires the Concentric Cylinder Peltier Jacket, P/N 533201.901.</i>
402817.901	Vane rotor for HR x0, DHR & ARES-G2 High Sensitivity Pressure Cell (HSPC) <i>Note: Requires HR x0, DHR or ARES-G2 High Sensitivity Pressure Cell - HR x0, DHR P/N: 547050.901 or ARES-G2 P/N: 402818.901.</i>
547052.901	Starch rotor for HR x0, DHR High Sensitivity Pressure Cell (HSPC) <i>Note: Requires HR x0, DHR High Sensitivity Pressure Cell (P/N: 547050.901).</i>

HR x0, Smart Swap 2 Starch Pasting Cell and Replacement Parts

534065.901	HR x0, Starch Pasting Cell
545712.941	HR x0, Replacement Rotor for Starch Pasting Cell
545713.941	HR x0, HA Aluminum Conical Rotor For Starch Pasting Cell
545723.001	Replacement Cup for Starch Pasting Cell

HR x0, DHR & AR UV-Curing Option

546301.901	HR x0, DHR-3, DHR-2 & AR-Series, UV Light Guide Accessory without UV Light Source
546303.901	HR x0, DHR-3, DHR-2 & AR-Series, UV Light Guide Accessory with UV Light Source
533217.901	HR x0, DHR-3 & DHR-2, 365 nm LED UV-Curing Accessory
533218.901	HR x0, DHR-3 & DHR-2, 455 nm LED Blue Light Curing Accessory
546384.901	UV-Curing Accessory Plate Rubber Ring Plate Guards
546320.941	HR x0, Stainless Steel, Smart Swap 2 Disposable Plate Shaft for Peltier Plate and UV Accessories

403153.001	20 mm Quartz Plate for HR x0/DHR/AR and ARES UV-Curing Option <i>Note: For use with the upper plate fixture of ARES-UV option and the lower plate fixture of HR x0/DHR/AR-UV option.</i>
403064.901	20 mm diameter Disposable Acrylic Plates (pkg. of 10) <i>Note: For use with the upper plate fixture of ARES-UV option and the lower plate fixture of HR x0/HR/AR-UV option.</i>
200400.001	Replacement 5 mm diameter light guide for HR x0/DHR/AR and ARES UV-Curing and Photo-Curing Options
935014.901	PCA/UV External Filter Adapter Accessory Kit (allows use of external filters with the PCA P/N: 935000.901)
935009.001	Filter, External, 320 - 480 nm (for the Omnicure S-2000 with external filter adapter)
935009.002	Filter, External, 320 - 390 nm (for the Omnicure S-2000 with external filter adapter)
935009.004	Filter, External, 400 - 500 nm (for the Omnicure S-2000 with external filter adapter)
935009.003	Filter, External, 365 nm (for the Omnicure S-2000 with external filter adapter)
546316.901	Replacement radiometer for UV Light Guide Accessory
546317.901	Replacement radiometer for UV LED Accessory
533405.901	HR x0, DHR UHP Cover for UV Curing Accessories

HR 30, HR 20 Interfacial Rheology Systems and Accessories

534073.901	HR 30, HR 20, Smart Swap 2, Double Wall Ring Interfacial (DWR) Rheology System for Standard Peltier Plate: includes DWR Pt/Ir Ring Geometry and Delrin Trough. <i>Note: Option requires standard Peltier plate (P/N: 533210.901). Strongly recommend HR x0 Peltier Plate Draft Shield (P/N: 534465.901).</i>
534072.901	HR 30, HR 20, Smart Swap 2, Double Wall Ring Interfacial (DWR) Rheology System for Advanced Peltier Plate: includes DWR Pt/Ir Ring Geometry and Delrin Trough. <i>Note: Option requires Advanced Peltier Plate P/N: 533209.901. Strongly recommend HR x0 Peltier Plate Draft Shield (P/N: 534465.901).</i>
534074.901	HR 30, HR 20 Smart Swap 2 Double Wall Du Nouy Ring (DDR) Interfacial Rheology System <i>Note: Option requires standard Peltier Plate (P/N: 533210.901). Strongly recommend HR x0 Peltier Plate Draft Shield (P/N: 534465.901).</i>
533601.901	HR x0, DHR Double Wall Ring (DWR) Interfacial Exchange Cell
271902.001	HR x0, DHR Double Wall Ring (DWR) Interfacial Exchange Cell Syringe Pump
533624.901	Interfacial Exchange Cell Replacement Tubing and Syringes
545911.941	HR x0 Interfacial Geometry Holder
545950.001	HR x0, DHR & AR-G2, Double Wall Ring, Platinum-Ir (replacement ring - does NOT include geometry holder)
530021.001	HR x0, DHR & AR-G2, PT-IR Du Nouy Ring Geometry for Dynamic Interfacial System (replacement ring - does NOT include geometry holder)

545908.901	HR x0, DHR-3, DHR-2 & AR-G2, Double Wall Ring Window Kit
534071.901	HR x0, Smart Swap 2, Interfacial Bicone Accessory
545922.001	HR x0, DHR, AR-G2 and AR 2000, 45 mm Diameter Teflon Interfacial Bicone Cup
545934.941	HR x0 Smart Swap 2 Interfacial Bicone Geometry
578155.001	Sample - Vessel 70 mm diameter (glass cup)

HR x0, DHR, AR-G2 and AR 2000ex SALS Accessory

533222.901	HR 30, HR 20, DHR-3, DHR-2 SALS Accessory
546417.941	HR x0, Smart Swap 2, Quartz 50 mm Plate
546484.001	SALS Polystyrene Alignment Material
546483.001	SALS Neutral Density Filter Kit

HR x0, DHR & AR-Series Smart Swap Asphalt Submersion Cell

554103.901	HR x0, DHR & AR-Series Smart Swap Asphalt Submersion Cell
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Air Supply Accessories

250000.002	0.01 micron replacement filter element for use with P/N: 250000.001
250000.003	5 micron replacement filter element for use with P/N: 250000.001
500030.901	Membrane Compressed Air Dryer
575016.901	HR x0, DHR, and AR-Series Oil-Free Compressor (240VAC/50Hz)

HR x0 Manifold Mounting Adapter

534460.901	HR x0 Manifold Mounting Adapter for EHP/ UHP/ Dry Asphalt/ Vortex Cooler
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HR x0, DHR & AR-Series Asphalt Accessories

Cylindrical Torsion

543033.001	Asphalt Cylindrical Torsion End Pieces
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Automated Temperature Calibration

554024.901	HR x0, DHR & AR-Series Automated Asphalt Temperature Calibration Kit <i>Note: Requires PC with USB port and TRIOS or Rheology Advantage Software Version 5.7. or later.</i>
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HR x0, DHR & AR Asphalt Submersion Cell

554003.901	Asphalt Submersion Cell Replacement Filter Material, 1 Package
554004.901	Replacement Asphalt Submersion Cell Plate Removal Tool
554007.901	Asphalt Sample Molds, 1 Pair

Asphalt Submersion Cell Parallel Plates

Note: Screw-in Parallel Plates for use with the following Systems: 1) CSA/CSA II: Lower Plate only, 2) HR x0, DHR & AR-Series Asphalt Submersion Cell (P/N 554103.901). These plates are constructed with four holes with plate removal.

554001.901	Stainless Steel, 8 mm Screw-in Parallel Plates for Asphalt Submersion Cell
554008.901	Stainless Steel, 12 mm Screw-in Parallel Plates for Asphalt Submersion Cell
554002.901	Stainless Steel, 25 mm Screw-in Parallel Plates for Asphalt Submersion Cell
554019.902	HA Aluminum, 8 mm Screw-in Parallel Plates for Asphalt Submersion Cell
554020.902	HA Aluminum, 25 mm Screw-in Parallel Plates for Asphalt Submersion Cell

Peltier, UHP, Dry Asphalt System Replacement Parts

952377.901	Fungicide for Peltier Reservoir
532067.901	HR x0, DHR & AR-Rheometer Vibration Isolation Pads
203854.901	Koolance Peltier Circulator Fluid (-10 °C to 100 °C, pkg. of 1)
203854.902	Koolance Peltier Circulator Fluid (-10 °C to 100 °C, pkg. of 4)

Stainless Steel Sample Trimming Tools

545852.001	3 mm UHP Plate Trimming Tool (for use with Standard Peltier Plate)
545851.001	6 mm UHP Dry Asphalt System Trimming Tool (for use with Stepped Peltier)

Standard Oils

250024.001	Low Viscosity Standard Oil (S60) ~ 100 mPa.s (cP) @ 25 °C
250024.002	High Viscosity Standard Oil (S600) ~ 1100 mPa.s (cP) @ 25 °C
201261.001	DSR Standard N2700000SP Standard Oil

Rheology Text Books

575105.901	A Handbook of Elementary Rheology, Howard A. Barnes
575103.901	Introduction to Rheology, H.A. Barnes, J.F. Hutton and K. Walters

RHEOLOGY – DHR & AR

DHR and AR-Series Software

402046.901	AutoPilot Option for TRIOS Software
999801.064	AutoPilot Basic Script Writing Service
999801.066	AutoPilot Advanced Script Writing Service
926018.001	LAOS and FT RHEOLOGY for TRIOS: Large Amplitude Oscillatory Shear and Fourier Transform Rheology Software for TRIOS
926019.001	Rheology Polymer Library for TRIOS: includes software for Molecular Weight Distribution Calculations
925714.001	Software Advantage Navigator
925715.001	Enhanced Polymer Library for Advantage

Installation and Peltier Kits

250000.001	HR x0, DHR & AR Rheometer Filter/Regulator
403209.901	Air Cooled Peltier Circulator (110/220VAC; 50/60Hz) Note: For use with HR x0, DHR, AR and ARES Rheometers.
404500.901	Peltier Circulator TCube Edge Model 5A (110/220VAC; 50/60Hz) with fittings for rheometers Note: For use with HR x0, DHR, AR, and ARES-G2 Peltier Plate and Peltier Concentric Cylinder Systems. For use with HR x0, DHR, and AR UHP systems along with the Combined Manifold (P/N: 554104.901). For use with HR x0 Combined UHP and Peltier Manifold (P/N: 534059.901). NOT FOR USE WITH LASER FLASH, XENON FLASH, OR HEAT FLOW METER INSTRUMENTS.

DHR & AR Rheometer Peltier Plates, Geometries, and Accessories

Peltier Plate Temperature Options

533210.901	HR x0, DHR Smart Swap Peltier Plate Note: Temperature Range = 200 °C.
533209.901	HR x0, DHR Smart Swap Advanced Peltier Plate
546502.901	HR x0, DHR Dual-Stage Smart Swap Peltier Plate Note: Temperature Range = -45 °C to 200 °C.
533211.901	HR x0, DHR Stepped Peltier with Screw-in Plate Note: Temperature Range = 200 °C.
533212.901	HR x0, DHR Smart Swap Disposable Stepped Peltier Plate Note: Temperature Range = 200 °C. DHR requires Disposable Plate Shaft (P/N: 546320.901). HR x0 requires Disposable Plate Shaft (P/N: 546320.941).
547910.901	HR x0, DHR & AR-Series Peltier Plate Immersion Cell Note: Attaches to HR x0, DHR & AR-Series Smart Swap Peltier Plate. Allows testing of samples in parallel plate and cone and plate geometries while fully immersed in liquid.

547902.901	HR x0, DHR, AR-Series, and ARES-G2 Peltier Camera Viewer Option <i>Note: Camera viewer is NOT compatible with AR 2000 model.</i>
547901.901	HR x0, DHR & AR-Series Peltier Plate Camera Viewer Mounting Kit <i>Note: Customer must supply USB Web camera. Camera viewer is NOT compatible with AR 2000 model.</i>
533231.901	AR to HR x0, DHR Quick-Connect Plumbing Adapter <i>Note: Required for using existing accessories on a HR x0, DHR instrument (includes 2 large male fittings).</i>

Solvent Trap, Purge Gas, Thermal, and Lower Plate Covers for Peltier Plate

529613.901	Hard Anodized Split Solvent Trap Cover and Location Ring for Standard Peltier Plate
517105.901	Insulated Solvent Trap Cover and Location Ring (for standard Peltier Plate - NOT FOR USE WITH STEPPED PELTIER)
529612.901	Purge Gas Cover and Location Ring for Standard Peltier Plate
531070.901	Hard Anodized Aluminum Solvent Trap for Advanced Peltier Plate
531035.901	Insulated Solvent Trap for Advanced Peltier Plate (includes Solvent Trap Cover and Location Ring)
531038.901	Purge Gas Cover for Advanced Peltier Plate
529750.901	25 mm Plate Insulating Thermal Cover for Peltier Plate
570059.901	Hard Anodized Aluminum Cover Plate (with Ring Adapter), Cross Hatched, 40 mm
570011.901	Hard Anodized Aluminum Cover Plate (with Ring Adapter), Cross Hatched, 60 mm
517040.901	Stainless Steel Cover Plate, Cross Hatched, 40 mm
517060.901	Stainless Steel Cover Plate, Cross Hatched, 60 mm
545430.901	Stainless Steel Peltier Plate Cover
545431.901	Stainless Steel Peltier Plate Cover, Raised Center, 20 mm
545433.901	Stainless Steel Peltier Plate Cover, Raised Center, 60 mm
545435.901	Titanium Peltier Plate Cover, Raised Center, 40 mm
533240.901	DHR Peltier Plate Drafft Shield

DHR Quick Change Plate Holders and Quick Change Plates

402751.902	HR x0, DHR, ARES-G2, APS, Quick Change Plate Holder
402625.901	HR x0, DHR, ARES-G2, APS, Stainless Steel, 8 mm, Quick Change Plate
402491.901	HR x0, DHR, ARES-G2, Stainless Steel, 20 mm, Quick Change Plate
402624.901	HR x0, DHR, ARES-G2, APS, Stainless Steel, 25 mm, Quick Change Plate
402623.901	HR x0, DHR, ARES-G2, APS, Stainless Steel, 40 mm, Quick Change Plate
402622.901	HR x0, DHR, ARES-G2, APS, Stainless Steel, 50 mm, Quick Change Plate
402493.901	HR x0, DHR, ARES-G2, Hard Anodized Aluminum, 20 mm, Quick Change Plate

402630.901	HR x0, DHR, ARES-G2, APS, Hard Anodized Aluminum, 25 mm, Quick Change Plate
402631.901	HR x0, DHR, ARES-G2, APS, Hard Anodized Aluminum, 40 mm, Quick Change Plate
402632.901	HR x0, DHR, ARES-G2, APS, Hard Anodized Aluminum, 50 mm, Quick Change Plate
402633.901	HR x0, DHR, ARES-G2, APS, Titanium, 25 mm, Quick Change Plate
402634.901	HR x0, DHR, ARES-G2, APS, Titanium, 50 mm, Quick Change Plate
402811.901	HR x0, DHR, ARES-G2, APS, Stainless Steel, Sandblasted, 8 mm, Quick Change Plate
402494.901	HR x0, DHR, ARES-G2, APS, Stainless Steel, Sandblasted, 20 mm, Quick Change Plate
402770.901	HR x0, DHR, ARES-G2, APS, Stainless Steel, Sandblasted, 25 mm, Quick Change Plate
402769.901	HR x0, DHR, ARES-G2, APS, Stainless Steel, Sandblasted, 40 mm, Quick Change Plate
402627.901	HR x0, DHR, ARES-G2, APS, Stainless Steel, Cross Hatched, 8 mm, Quick Change Plate
402492.901	HR x0, DHR, ARES-G2, APS, Stainless Steel, Cross Hatched, 20 mm, Quick Change Plate
402628.901	HR x0, DHR, ARES-G2, APS, Stainless Steel, Cross Hatched, 25 mm, Quick Change Plate
402629.901	HR x0, DHR, ARES-G2, APS, Stainless Steel, Cross Hatched, 40 mm, Quick Change Plate
402681.901	HR x0, DHR, ARES-G2, APS, Hard Anodized Aluminum, 42 mm Dia., 15 mm Edge Height, Immersion Cup <i>Note: Includes two removable sidewalls (one aluminum and one clear polycarbonate) for easy sample loading and trimming.</i>

DHR Disposable Quick Change Plates and Holder

402611.901	HR x0, DHR, ARES-G2, APS, Aluminum, 8 mm, Quick Change Disposable Plate (pkg. of 20)
402612.901	HR x0, DHR, ARES-G2, APS, Aluminum, 20 mm, Quick Change Disposable Plate (pkg. of 20)
402613.901	HR x0, DHR, ARES-G2, APS, Aluminum, 25 mm, Quick Change Disposable Plate (pkg. of 20)
402751.901	HR x0, DHR, ARES-G2, APS, Quick Change Disposable Plate Holder

DHR & AR-G2 Custom and Standard Geometry Adapters

532066.901	AR-XXXX to HR x0, DHR & AR-G2 Geometry Adapter Kit <i>Note: For use only with standard Peltier Plate geometries.</i>
545904.901	DHR & AR-G2 Rheometer Custom Geometry Adapter

Stainless Steel Peltier Cone Geometries with No Solvent Trap (NST)

Note: Following Smart Swap geometries for use with DHR & AR-G2 only.

511204.906	DHR & AR-G2, Stainless Steel, 20 mm, 1 deg Cone, NST
511206.906	DHR & AR-G2, Stainless Steel, 20 mm, 2 deg Cone, NST
511207.906	DHR & AR-G2, Stainless Steel, 20 mm, 4 deg Cone, NST

Stainless Steel Peltier Plate Geometries with No Solvent Trap (NST)

Note: Following Smart Swap geometries for use with DHR & AR-G2 only.

511080.906	DHR & AR-G2, Stainless Steel, 8 mm Plate, NST
511120.906	DHR & AR-G2, Stainless Steel, 12 mm Plate, NST
511200.906	DHR & AR-G2, Stainless Steel, 20 mm Plate, NST
511250.906	DHR & AR-G2, Stainless Steel, 25 mm Plate, NST
517080.906	DHR & AR-G2, Stainless Steel, Cross Hatched, 8 mm Plate, NST
517200.906	DHR & AR-G2, Stainless Steel, Cross Hatched, 20 mm Plate, NST
519080.906	DHR & AR-G2, Stainless Steel, Sandblasted, 8 mm Plate, NST
519250.906	DHR & AR-G2, Stainless Steel, Sandblasted, 25 mm Plate, NST
519200.906	DHR & AR-G2, Stainless Steel, Sandblasted, 20 mm Plate, NST

Stainless Steel Peltier Cone Geometries with Solvent Trap

Note: Following Smart Swap geometries for use with DHR & AR-G2 only.

511203.905	DHR & AR-G2, Stainless Steel, 20 mm, 0.5 deg Cone
511204.905	DHR & AR-G2, Stainless Steel, 20 mm, 1 deg Cone
511206.905	DHR & AR-G2, Stainless Steel, 20 mm, 2 deg Cone
511207.905	DHR & AR-G2, Stainless Steel, 20 mm, 4 deg Cone
511403.905	DHR & AR-G2, Stainless Steel, 40 mm, 0.5 deg Cone
511404.905	DHR & AR-G2, Stainless Steel, 40 mm, 1 deg Cone
511406.905	DHR & AR-G2, Stainless Steel, 40 mm, 2 deg Cone
511407.905	DHR & AR-G2, Stainless Steel, 40 mm, 4 deg Cone
511504.905	DHR & AR-G2, Stainless Steel, 50 mm, 1 deg Cone
511506.905	DHR & AR-G2, Stainless Steel, 50 mm, 2 deg Cone
511603.905	DHR & AR-G2, Stainless Steel, 60 mm, 0.5 deg Cone
511604.905	DHR & AR-G2, Stainless Steel, 60 mm, 1 deg Cone
511606.905	DHR & AR-G2, Stainless Steel, 60 mm, 2 deg Cone
511607.905	DHR & AR-G2, Stainless Steel, 60 mm, 4 deg Cone

Stainless Steel Peltier Plate Geometries with Solvent Trap

Note: Following Smart Swap geometries for use with DHR & AR-G2 only.

511200.905	DHR & AR-G2, Stainless Steel, 20 mm Plate
511400.905	DHR & AR-G2, Stainless Steel, 40 mm Plate

511500.905	DHR & AR-G2, Stainless Steel, 50 mm Plate
511600.905	DHR & AR-G2, Stainless Steel, 60 mm Plate
517200.905	DHR & AR-G2, Stainless Steel, Cross Hatched, 20 mm Plate
517400.905	DHR & AR-G2, Stainless Steel, Cross Hatched, 40 mm Plate
517600.905	DHR & AR-G2, Stainless Steel, Cross Hatched, 60 mm Plate
519200.905	DHR & AR-G2, Stainless Steel, Sandblasted, 20 mm Plate
519400.905	DHR & AR-G2, Stainless Steel, Sandblasted, 40 mm Plate
519600.905	DHR & AR-G2, Stainless Steel, Sandblasted, 60 mm Plate

Stainless Steel Peltier Cone Geometries with Composite Heat Break

Note: Following Smart Swap geometries for use with DHR & AR-G2 only.

512206.906	DHR & AR-G2, Stainless Steel, Composite HB, 20 mm, 2 deg Cone, NST
512206.905	DHR & AR-G2, Stainless Steel, Composite HB, 20 mm, 2 deg Cone
512406.905	DHR & AR-G2, Stainless Steel, Composite HB, 40 mm, 2 deg Cone
512407.905	DHR & AR-G2, Stainless Steel, Composite HB, 40 mm, 4 deg Cone
512606.905	DHR & AR-G2, Stainless Steel, Composite HB, 60 mm, 2 deg Cone
512607.905	DHR & AR-G2, Stainless Steel, Composite HB, 60 mm, 4 deg Cone

Stainless Steel Peltier Plate Geometries with Composite Heat Break

Note: Following Smart Swap geometries for use with DHR & AR-G2 only.

512080.906	DHR & AR-G2, Stainless Steel, Composite HB, 8 mm, NST
512200.906	DHR & AR-G2, Stainless Steel, Composite HB, 20 mm, NST
512200.905	DHR & AR-G2, Stainless Steel, Composite HB, 20 mm
512250.906	DHR & AR-G2, Stainless Steel, Composite HB, 25 mm, NST
512400.905	DHR & AR-G2, Stainless Steel, Composite HB, 40 mm
512600.905	DHR & AR-G2, Stainless Steel, Composite HB, 60 mm

Titanium Peltier Plate Geometries with Solvent Trap

Note: Following Smart Swap geometries for use with DHR & AR-G2 only. Titanium geometries have a stainless steel shaft.

520400.905	DHR & AR-G2, Titanium, 40 mm Plate
520600.905	DHR & AR-G2, Titanium, 60 mm Plate
520604.905	DHR & AR-G2, Titanium, 60 mm, 1 deg Cone
520606.905	DHR & AR-G2, Titanium, 60 mm, 2 deg Cone

Hard Anodized Aluminum (HA AL) Peltier Cone Geometries with Solvent Trap

Note: Following Smart Swap geometries for use with DHR & AR-G2 only.

513204.905	DHR & AR-G2, HA Aluminum, 20 mm, 1 deg Cone
513206.905	DHR & AR-G2, HA Aluminum, 20 mm, 2 deg Cone

513207.905	DHR & AR-G2, HA Aluminum, 20 mm, 4 deg Cone
513404.905	DHR & AR-G2, HA Aluminum, 40 mm, 1 deg Cone
513406.905	DHR & AR-G2, HA Aluminum, 40 mm, 2 deg Cone
513407.905	DHR & AR-G2, HA Aluminum, 40 mm, 4 deg Cone
513603.905	DHR & AR-G2, HA Aluminum, 60 mm, 0.5 deg Cone
513604.905	DHR & AR-G2, HA Aluminum, 60 mm, 1 deg Cone
513606.905	DHR & AR-G2, HA Aluminum, 60 mm, 2 deg Cone
513607.905	DHR & AR-G2, HA Aluminum, 60 mm, 4 deg Cone

Hard Anodized Aluminum (HA AL) Peltier Plate Geometries with Solvent Trap

Note: Following Smart Swap geometries for use with DHR & AR-G2 only.

513200.905	DHR & AR-G2, HA Aluminum, 20 mm Plate
513400.905	DHR & AR-G2, HA Aluminum, 40 mm Plate
513600.905	DHR & AR-G2, HA Aluminum, 60 mm Plate

DHR and AR Rheometer Concentric Cylinders, Geometries, and Accessories

Note: HA AL = Hard Anodized Aluminum; SST = Stainless Steel.

Concentric Cylinder Jackets for DHR & AR-G2 and AR 2000

533201.901	HR x0, DHR Smart Swap Concentric Cylinder Peltier Jacket Note: Does not include cup or rotor. Includes cover.
547310.901	HR x0, DHR & AR-Series Smart Swap Concentric Cylinder Electrically Heated Jacket
547308.901	HR x0, DHR & AR-Series Electrically Heated Jacket Air Cooling Option

DHR & AR-G2 Smart Swap Rotors for Concentric Cylinders

Note: Following Smart Swap geometries for use with DHR & AR-G2 only.

546011.901	DHR & AR-G2, HA Aluminum Conical DIN Rotor, Rad = 14 mm, Height = 42 mm
546016.901	DHR & AR-G2, HA Aluminum Recessed End Rotor, Rad = 14 mm, Height = 42 mm
546012.901	DHR & AR-G2, Stainless Steel, Conical DIN Rotor, Rad = 14 mm, Height = 42 mm
546009.901	DHR & AR-G2, Stainless Steel, Conical DIN Rotor, Sandblasted, Rad = 14 mm, Height = 42 mm
546017.901	DHR & AR-G2, Stainless Steel Recessed End Rotor, Rad = 14 mm, Height = 42 mm
545043.901	DHR & AR-G2, Stainless Steel, Conical Rotor, Rad = 7.5 mm (appropriate for measurements of crumb-rubber modified asphalt)
546026.901	DHR & AR-G2, Stainless Steel Vaned Rotor, Rad = 14 mm, Height = 42 mm
546027.901	DHR & AR-G2, Wide Gap Vaned Rotor with Heat Break, Rad = 7.5 mm, Height = 38 mm

546048.901	DHR & AR-G2, Stainless Steel Double Gap Rotor, Inner Rad = 16 mm, Outer Rad = 17.5 mm, Height = 53 mm
546049.901	DHR & AR-G2, HA Aluminum Double Gap Rotor, Inner Rad = 16 mm, Outer Rad = 17.5 mm, Height = 53 mm
546021.901	DHR & AR-G2, Ver 1 HA Aluminum Double Gap Rotor, Inner Rad = 20.38 mm, Outer Rad = 21.96, Height = 59.5 mm
546022.901	DHR & AR-G2, Ver 1 Stainless Steel Double Gap Rotor, Inner Rad = 20.38 mm, Outer Rad = 21.96, Height = 59.5 mm

DHR & AR-Series Peltier Concentric Cylinder Cups

545700.901	HA Aluminum Standard Concentric Cylinder Cup with Cap for HR x0, DHR & AR-Series Peltier Jacket
545696.901	Stainless Steel Standard Concentric Cylinder Cup with Cap
546046.901	Stainless Steel, Single Gap Cup, Sandblasted, Rad = 15.2 mm
546050.901	HA Aluminum Double Gap Concentric Cylinder Cup, Inner Rad = 15.1 mm, Outer Rad = 18.5 mm for HR x0, DHR & AR-Series Peltier Jacket
546045.901	Stainless Steel Double Gap Concentric Cylinder Cup (Diameter = 30.4 mm, Outer Rad = 18.5 mm) for HR x0, DHR & AR-Series Peltier Jacket
545612.901	Ver 1 HA Aluminum Double Gap Concentric Cylinder Cup (Inner Rad = 20.00 mm, Outer Rad = 22.38 mm) for HR x0, DHR & AR-Series Peltier Jacket
545613.901	Ver 1 Stainless Steel Double Gap Concentric Cylinder Cup (Inner Rad = 20.00 mm, Outer Rad = 22.38 mm) for HR x0, DHR & AR-Series Peltier Jacket
545615.901	HA Aluminum Large Diameter Concentric Cylinder Cup (Rad = 22 mm) for HR x0, DHR & AR-Series Peltier Jacket
545642.001	Stainless Steel Blank Plug for HR x0, DHR & AR-Series Peltier Jacket Double Gap Cup
545610.901	HA Aluminum Grooved Concentric Cylinder Cup for HR x0, DHR & AR-Series Peltier Jacket
545666.901	HA Aluminum Starch Rotor Concentric Cylinder Cup (Rad = 18.5 mm) for HR x0, DHR & AR-Series Peltier Jacket
547305.901	Stainless Steel Single-Piece Concentric Cylinder Cup
545050.901	Disposable Concentric Cylinder Kit for Peltier and Electrically Heated Jackets
545075.901	Disposable Concentric Cylinder Cups (pkg. of 20)
545609.901	Peltier Concentric Cylinder Solvent Trap Note: NOT for use with Double Wall Concentric Cylinder system.
545626.001	Split Cover for HR x0, DHR & AR-Series Smart Swap Peltier Concentric Cylinders
578096.001	Replacement O-Ring for Double Gap Concentric Cylinder Cup
578148.001	Replacement O-Ring for Standard and Grooved Concentric Cylinder Cups with Cap
270323.007	High Temperature O-Ring for SST Double Gap Concentric Cylinder Cup
270323.008	High Temperature O-Ring for SST Standard Concentric Cylinder Cup with Cap

DHR & AR-G2 Building Materials Cell

533246.901	HR x0, DHR & AR-G2, Stainless Steel Building Materials Cell Cup with Slotted Cage
533247.901	HR x0, DHR & AR-G2, Stainless Steel Building Materials Cell Paddle
533264.901	HR x0, DHR & AR-G2, Replacement Stainless Steel Building Materials Cell Slotted Cage (use with P/N: 533246.901)

DHR & AR-G2 and AR Helical Tools

546018.901	HR x0, DHR & AR-G2 Stainless Steel Helical Rotor
546093.001	Helical Cup, HA Aluminum (diameter = 34 mm, height = 50 mm)

UPP Upper Peltier Plates, Geometries, and Accessories

534515.901	DHR, Stainless Steel, 8 mm, Upper Peltier UTS Plate
534519.901	DHR, Stainless Steel, 20 mm, Upper Peltier UTS Plate
534516.901	DHR, Stainless Steel, 25 mm, Upper Peltier UTS Plate
534517.901	DHR, Stainless Steel, 40 mm, Upper Peltier UTS Plate
534518.901	DHR, Stainless Steel, 40 mm, 2 deg, Upper Peltier UTS Cone
534052.901	UPP Solvent Reservoir for Standard Peltier Plate
534053.901	UPP Solvent Reservoir for Advanced Peltier Plate
202610.002	Low Temperature Circulator Polyscience LS5 model 120V 60 Hz
202611.002	Low Temperature Circulator Polyscience LS5 model 240V 50Hz
534054.901	UPP Low Temperature Accessory Kit
203305.001	HC-30 UPP Low Temperature Circulation Fluid (pkg. of 1)
534538.001	6 mm Sample Trimming Tool
534539.001	3 mm Sample Trimming Tool

UHP Upper Heated Plates, EHP Electrically Heated Plates, Geometries, and Accessories

UHP and Dry Asphalt Systems

545803.901	DHR Upper Heated Plate System (for use with Peltier Plate)
533213.901	DHR Dry Asphalt System
545815.901	DHR & AR-G2 Upper Heated Plate Smart Swap Geometry Shaft and Heat Spreader
545808.901	HR x0, DHR & AR-Series UHP and Dry Asphalt Low Temperature Cooling Option <i>Note: This cooling option is required when cooling with fluid circulator below temperatures of 5 °C. Customer must supply fluid circulator.</i>
545807.901	HR x0, DHR & AR-Series UHP and Dry Asphalt Standard Cooling Option <i>Note: This cooling option is required when cooling with fluid circulator above temperatures of 5 °C. Customer must supply fluid circulator.</i>
545809.901	DHR & AR-Series UHP and Dry Asphalt Vortex Cooler <i>Note: Requires Low Temperature Cooling Option P/N: 545808.901.</i>

546201.901	DHR & AR-G2 Smart Swap UHP/EHP Upper Disposable Plate Holder <i>Note: Not compatible with UTS.</i>
545878.901	HR x0, DHR & AR-G2 UHP Heat Flow Calibration Kit
554104.901	DHR & AR-Series Combined UHP and Peltier Manifold <i>Note: For use over temperature range of 5 °C to 90 °C. Requires chilling circulator with water circulation fluid controlled at 2 °C.</i>

EHP Electrically Heated Plate Kits

533206.901	DHR Electrically Heated Plate System <i>Note: Max Temperature = 400 °C. Includes 25 mm stainless steel plates.</i>
533207.901	DHR Electrically Heated Disposable Plate System <i>Note: Max Temperature = 400 °C. Includes five sets of 25 mm drip channel disposable plates.</i>
546106.901	DHR & AR-G2 Add-On Disposable Plate Accessory for EHP <i>Note: Includes parts necessary to convert Electrically Heated Plate System, P/N: 533206.901, for disposable plate use. Includes five sets of 25 mm drip channel disposable plates.</i>
546109.901	EHP Glass Purge Cover (maximum use temperature = 300 °C)
546127.901	HR x0, DHR and AR EHP GCA Kit (cooling down to -70 °C)
991600.901	Gas Cooling Accessory for HR x0, DMA 850, Q800, DHR, and AR-Series EHP

DHR & AR-G2 EHP and UHP Stainless Steel Smart Swap Upper (Upper Temperature Sensor) UTS Geometries

Note: UTS upper Smart Swap Geometries are for use with UTS Draw Rod and lower screw-in plates. UTS and UTS geometries are required for patented Active Temperature Control of upper plate. This feature is available only with TA Instruments DHR & AR-G2 EHP and UHP Temperature Systems.

546202.901	DHR & AR-G2, Stainless Steel, 8 mm Upper UTS Plate (use with P/N: 546240.001)
546220.901	DHR & AR-G2, Stainless Steel, 20 mm Upper UTS Plate (use with P/N: 546261.001)
546203.901	DHR & AR-G2, Stainless Steel, 25 mm Upper UTS Plate (use with P/N: 546241.001)
546204.901	DHR & AR-G2, Stainless Steel, 40 mm Upper UTS Plate (use with P/N: 546242.001)
546210.901	DHR & AR-G2, Stainless Steel, 25 mm 0.1 Rad Upper UTS Cone (use with P/N: 546241.001)
546208.901	DHR & AR-G2, Stainless Steel, 25 mm 0.04 Rad Upper UTS Cone (use with P/N: 546241.001)
546206.901	DHR & AR-G2, Stainless Steel, 25 mm 0.02 Rad Upper UTS Cone (use with P/N: 546241.001)
546205.901	DHR & AR-G2, Stainless Steel, 25 mm 1 deg Upper UTS Cone (use with P/N: 546241.001)
546207.901	DHR & AR-G2, Stainless Steel, 25 mm 2 deg Upper UTS Cone (use with P/N: 546241.001)

546209.901	DHR & AR-G2, Stainless Steel, 25 mm 4 deg Upper UTS Cone (use with P/N: 546241.001)
546216.901	DHR & AR-G2, Stainless Steel, 40 mm 0.1 Rad Upper UTS Cone (use with P/N: 546242.001)
546214.901	DHR & AR-G2, Stainless Steel, 40 mm 0.04 Rad Upper UTS Cone (use with P/N: 546242.001)
546212.901	DHR & AR-G2, Stainless Steel, 40 mm 0.02 Rad Upper UTS Cone (use with P/N: 546242.001)
546211.901	DHR & AR-G2, Stainless Steel, 40 mm 1 deg Upper UTS Cone (use with P/N: 546242.001)
546213.901	DHR & AR-G2, Stainless Steel, 40 mm 2 deg Upper UTS Cone (use with P/N: 546242.001)
546215.901	DHR & AR-G2, Stainless Steel, 40 mm 4 deg Upper UTS Cone (use with P/N: 546242.001)
546014.901	HR x0, DHR & AR-G2, Upper Temperature Sensor Draw Rod Note: For use with EHP and UHP temperature systems. Requires UTS geometries. UTS draw rod comes standard with EHP and UHP temperature systems ONLY.

Electrically Heated Plate, Upper Heated Plate, and Dry Asphalt System Screw-in Plates

Note: Screw-in Parallel Plates for use with the following Systems:

- 1) HR x0 or DHR & AR-G2 EHP: Lower Plate only;
- 2) AR 2000/1500ex EHP upper and lower;
- 3) HR x0 or DHR & AR-G2, AR 2000 and AR 1500ex UHP with Standard Peltier Plate: Upper plate Only;
- 4) HR x0 or DHR & AR-G2, AR 2000/ex and AR 1500ex Dry Asphalt System: For upper and lower use (two of these parts are required to replace both upper and lower). 4 mm, 8 mm, and 25 mm plates also compatible with Stepped Peltier. These plates are constructed with flats and are used with the flat plate removal wrench.

546241.001	Stainless Steel, 25 mm Screw-in Parallel Plate for EHP, UHP, and Dry Asphalt
546261.001	Stainless Steel, 20 mm Screw-in Parallel Plate for EHP, UHP, and Dry Asphalt
546242.001	Stainless Steel, 40 mm Screw-in Parallel Plate for EHP, UHP, and Dry Asphalt
546239.001	Stainless Steel, 4 mm Screw-in Parallel Plate for EHP, UHP, and Dry Asphalt
546240.001	Stainless Steel, 8 mm Screw-in Parallel Plate for EHP, UHP, and Dry Asphalt
546259.001	Stainless Steel, 8 mm Cross Hatched Screw-in Parallel Plate for EHP, UHP, and Dry Asphalt
546255.001	Stainless Steel, 25 mm Cross Hatched Screw-in Parallel Plate for EHP, UHP, and Dry Asphalt
546256.001	Stainless Steel, 40 mm Cross Hatched Screw-in Parallel Plate for EHP, UHP, and Dry Asphalt
546265.001	Stainless Steel, 8 mm Sandblasted Screw-in Parallel Plate for EHP, UHP, and Dry Asphalt
546266.001	Stainless Steel, 25 mm Sandblasted Screw-in Parallel Plate for EHP, UHP, and Dry Asphalt
546267.001	Stainless Steel, 40 mm Sandblasted Screw-in Parallel Plate for EHP, UHP, and Dry Asphalt

ETC Environmental Test Chamber, Air Chiller Systems, Kits, Geometries, and Gas Manifolds

ETC system requires the chamber and one or more Accessory Kits. The flow meter kit (P/N: 543311.901) is required if cooling accessory is not specified.

ETC Environmental Test Chambers and Air Chiller Systems

533501.901	DHR Environmental Test Chamber (ETC) Note: Maximum Temperature = 600 °C.
533208.901	HR x0, DHR ETC Oven Camera Viewer Option
405001.901	ACS-2 Air Chiller System (220-230VAC/60 Hz) Note: Requires HR x0, DHR ETC Air Chiller Panel (P/N: 405400.901) for operation.
405001.902	ACS-2 Air Chiller System (220-230VAC/50 Hz) Note: Requires HR x0, DHR ETC Air Chiller Panel (P/N: 405400.901) for operation.
405000.901	ACS-3 Air Chiller System (220-230VAC/60 Hz) Note: Requires HR x0, DHR ETC Air Chiller Panel (P/N: 405400.901) for operation.
405000.902	ACS-3 Air Chiller System (220-230VAC/50 Hz) Note: Requires HR x0, DHR ETC Air Chiller Panel (P/N: 405400.901) for operation.
405400.901	HR x0, DHR ETC & DMA 850/ Q800 Combined Air Chiller Panel (for use with ACS-2 and ACS-3 Air Chiller Systems)
545056.901	Combined Air Chiller Panel Upgrade Kit (for use with DMA 850 / Q800 Air Chiller Panel, P/N: 986400.901 to add functionality for use with a HR x0, DHR ETC)

DHR & AR-G2 ETC Kits

543406.901	DHR & AR-G2 ETC Parallel Plate Accessory Kit Note: Includes 25 mm stainless steel parallel plates. All other geometries purchased separately.
543408.901	DHR & AR-G2 ETC Disposable Parallel Plate Accessory Kit
543409.901	DHR & AR-G2 ETC Pressure Sensitive Adhesives Accessory Kit Note: Includes 8 and 25 mm stainless steel parallel plates. All other geometries purchased separately.
543410.901	DHR & AR-G2 ETC Asphalt Parallel Plate Accessory Kit Note: Includes 8 and 25 mm stainless steel parallel plates and silicone asphalt molds.
543407.901	DHR & AR-G2 ETC Torsion Clamp Accessory Kit Note: Includes clamps for rectangular solid samples. Maximum Sample Size: Length = 50 mm, Width = 13 mm, Thickness = 5 mm.
547905.901	DHR & AR-G2 ETC Torsion Cylindrical Clamp Accessory Kit Note: Includes collets to accommodate rods 1.5, 3, and 4.5 mm in diameter. Maximum Sample Length = 40 mm.

DHR & AR-G2 ETC Stainless Steel Smart Swap Upper Single Piece Geometries

543602.901	DHR & AR-G2, Stainless Steel, 4 mm ETC Plate (use with P/N: 527040.904)
543601.901	DHR & AR-G2, Stainless Steel, 8 mm ETC Plate (use with P/N: 527080.904)
543606.901	DHR & AR-G2, Stainless Steel, 25 mm ETC Plate (use with P/N: 527250.904)
543611.901	DHR & AR-G2, Stainless Steel, 40 mm ETC Plate (use with P/N: 527400.903)
543640.901	DHR & AR-G2, Stainless Steel, 8 mm Cross Hatched ETC Plate (use with P/N: 527080.906)
543641.901	DHR & AR-G2, Stainless Steel, 25 mm Cross Hatched ETC Plate (use with P/N: 527250.906)
543642.901	DHR & AR-G2, Stainless Steel, 40 mm Cross Hatched ETC Plate (use with P/N: 527400.905)
543651.901	DHR & AR-G2, Stainless Steel, 25 mm, 0.1 rad, ETC Cone (use with P/N: 527250.904)
543652.901	DHR & AR-G2, Stainless Steel, 25 mm, 0.04 rad, ETC Cone (use with P/N: 527250.904)
543661.901	DHR & AR-G2, Stainless Steel, 25 mm, 2 deg, ETC Cone (use with P/N: 527250.904)
543662.901	DHR & AR-G2, Stainless Steel, 25 mm, 4 deg, ETC Cone (use with P/N: 527250.904)
543671.901	DHR & AR-G2, Stainless Steel, 40 mm, 2 deg, ETC Cone (use with P/N: 527400.903)
543672.901	DHR & AR-G2, Stainless Steel, 40 mm, 4 deg, ETC Cone (use with P/N: 527400.903)
543681.901	DHR & AR-G2, Stainless Steel, Upper ETC Smart Swap Torsion Geometry

Stainless Steel Stepped (lower) and Non-Stepped (upper) Screw-in ETC Plates

Note: For Use with Upper ETC Shaft (AR 2000 P/N: 543319.901; AR 1000/550 P/N: 543112.901). Parts compatible with ETM upper shaft.

527040.904	Stainless Steel, 4 mm Stepped Lower ETC Plate (use with single piece upper shaft/geometries, or use two of this part number if using upper screwed shaft)
527080.904	Stainless Steel, 8 mm Stepped Lower ETC Plate (use with single piece upper shaft/geometries, or use two of this part number if using upper screwed shaft)
527250.903	Stainless Steel, 25 mm Non-Stepped Upper ETC Plate (use with lower screw-in plate P/N: 527250.904)
527250.904	Stainless Steel, 25 mm Stepped Lower ETC Plate (use with single piece upper shaft/geometries, or use with upper screw-in plate P/N: 527250.903 and upper screwed shaft)

527400.903	Stainless Steel, 40 mm ETC Plate, use for upper and lower (use one with single piece upper shaft P/N: 543331.001, or two required if used with upper screwed shaft)
527250.905	Stainless Steel, Cross Hatched, 25 mm Non-Stepped Upper ETC Plate (use with lower screw-in plate P/N: 527250.906)
527080.906	Stainless Steel, Cross Hatched, 8 mm Stepped Lower ETC Plate (use with single piece upper geometry P/N: 543640.901)
527250.906	Stainless Steel, Cross Hatched, 25 mm Stepped Lower ETC Plate (use with single piece upper shaft/geometries, or use with upper screw-in plate P/N: 527250.905 if using upper screwed shaft)
527400.905	Stainless Steel, Cross Hatched 40 mm ETC Plate, use for upper and lower (use with single piece upper shaft/geometries, or use two of this part number if using upper screwed shaft)

Hard Anodized Aluminum Stepped (lower) and Non-Stepped (upper) ETC Plates

Note: For use with upper ETC shaft (AR 2000 P/N: 543319.901; AR 1000/550 P/N: 543112.901) and/or lower ETC fixture (HR x0: P/N: 534066.901, 534069.901, 534070.901 or DHR & AR-G2: P/N: 543406.941, 543409.941, 543410.941)

526080.904	HA Aluminum, 8 mm Stepped Lower ETC Plate (2 required)
526250.903	HA Aluminum, 25 mm Non-Stepped Upper ETC Plate (use with P/N: 526250.904)
526250.904	HA Aluminum, 25 mm Stepped Lower ETC Plate (use with P/N: 526250.903)
526400.903	HA Aluminum, 40 mm ETC Plate, use for upper and lower (2 required)

Aluminum Disposable Plates for ETC/EHP/UHP and Disposable Stepped Peltier

Note: For use with upper ETC shaft (HR x0 P/N: 543682.941; DHR & AR-G2 P/N: 543682.901; AR 2000 P/N: 543334.901; AR 1000/550 P/N: 543319.901) or ETM shaft

543682.901	DHR & AR-G2, Smart Swap, Upper Disposable Plate Shaft for ETC
523080.937	Aluminum, 8 mm Disposable Plates (pkg. of 20)
523200.917	Aluminum, 20 mm Disposable Plates (pkg. of 10)
523250.937	Aluminum, 25 mm Disposable Plates (pkg. of 20)
523250.927	Aluminum, 25 mm Disposable Plates (pkg. of 100)
523250.928	Aluminum, 25 mm Disposable Plates (with Drip Channel) (pkg. of 100)
523250.938	Aluminum, 25 mm Disposable Plates (with Drip Channel) (pkg. of 20) Note: Required for EHP and UHP upper and lower systems.
523400.937	Aluminum, 40 mm Disposable Plates (pkg. of 20)
523400.927	Aluminum, 40 mm Disposable Plates (pkg. of 100)

Stainless Steel Disposable Plates for ETC/EHP/UHP and Disposable Stepped Peltier

Note: For use with upper ETC shaft (AR 2000 P/N: 543334.901; AR 1000/550 P/N: 543319.901) or ETM upper shaft.

527080.937	Stainless Steel, 8 mm Disposable Plates (pkg. of 20)
527250.937	Stainless Steel, 25 mm Disposable Plates (pkg. of 20)
527250.938	Stainless Steel, 25 mm Disposable Plates (with Drip Channel) (pkg. of 20) Note: Required for EHP and UHP upper and lower systems.
527400.937	Stainless Steel, 40 mm Disposable Plates (pkg. of 20)

ETC/EHP Accessories

543097.911	ETC Melt Rings for 25 mm Lower Stepped ETC Plate (pkg. of 50)
578904.001	Brass Scraper (for cleaning plates)
578905.001	Brass Brush (for cleaning plates)

ETC Flow Meter and Low Temp Kits for DHR & AR-Series

543311.901	HR x0, DHR & AR-Series ETC Flow Meter Kit
543313.901	HR x0, DHR & AR-Series Low Temperature Fittings with LN2 Dewar
543312.901	HR x0, DHR & AR-Series Low Temperature Fittings without LN2 Dewar

Aluminum Stepped Upper Cone Geometry for ETC

Note: For use with upper ETC shaft (AR 2000 P/N: 543112.901; AR 1000/550 P/N: 543319.901). For correct operation, cones require a matched plate (e.g. P/N: 523406.903 40 mm 2 deg cone requires P/N: 523400.903 40 mm plate).

526253.903	Aluminum, 25 mm, 0.5 deg Cone for ETC
526256.903	Aluminum, 25 mm, 2 deg Cone for ETC
526257.903	Aluminum, 25 mm, 4 deg Cone for ETC

DMA Mode for DHR Rheometers

926021.001	DMA Mode for HR 20, DHR Rheometers
533890.901	HR 30, HR 20, DHR 3-Point Bending Clamp Accessory Kit
533892.901	HR 30, HR 20, DHR Cantilever Bending Clamp Accessory Kit
533894.901	HR 30, HR 20, DHR Film/Fiber Tension Accessory Kit

DHR Extensional Viscosity Accessory (EVA)

545201.901	HR 30, HR 20, DHR Extensional Viscosity Accessory (EVA)
404140.901	HR x0, DHR Standard Drum Pair Set for EVA
404140.903	HR x0, DHR Knurled Surface Drum Pair Set for EVA
404140.905	HR x0, DHR Roughened Surface Drum Pair Set for EVA
403056.901	HR x0, DHR, ARES-G2 Replacement Clamps for EVA (pkg. of 6)

DHR & AR-Series SER3 and SER2 Universal Testing Platform

547906.901	SER3 Universal Testing Platform for HR 30, HR 20, DHR & AR
200974.002	SER3 and SER2 Standard Drum Pair for HR x0, DHR & AR
200975.002	SER3 and SER2 Knurled Surface Drum Pair Set for HR x0, DHR & AR
200976.002	SER3 and SER2 Rough Surface Drum Pair Set for HR x0, DHR & AR
200977.002	Securing Clamps for HR x0, DHR & AR SER3/2 and ARES-G2 SER3 (pkg. of 6)
200978.001	SER3 and SER2 Dual Blade Cutter Assembly
200979.001	Razor Blades for SER3 and SER2 Dual Blade Cutter Assembly (pkg. of 50)

DHR & AR-Series Specialty Geometries and Accessories

DHR Relative Humidity (RH) Accessories

547200.901	HR 30, HR 20, DHR-RH Accessory for Discovery Hybrid Rheometer
547207.901	HR x0, DHR-RH Parallel Plate Accessory Kit
547210.901	HR x0, DHR-RH Annular Ring Accessory
547211.901	HR x0, DHR-RH Surface Diffusion Accessory
547208.901	HR x0, DHR-RH Film/Fiber Tension Accessory Kit
547278.901	HR x0, DHR-RH 3-Point Bending Accessory Kit
547282.901	HR x0, DHR-RH Cantilever Bending Clamp Kit
547279.901	HR x0, DHR-RH Rectangular Torsion Clamp Accessory Kit
547280.901	HR x0, DHR-RH Tribo-rheometry, Ring Upper Geometry
547281.901	HR x0, DHR-RH Tribo-rheometry Accessory Base Kit

DHR Optics Plate Accessory

546800.901	HR x0, DHR Optics Plate Accessory (OPA)
546800.902	Optics Plate Accessory with Camera
546801.901	Optics Plate Accessory Replacement Glass Plates and O-rings
546802.901	DHR & AR-G2, Stainless Steel, 40 mm Parallel Plate, Mirror Finish
546803.901	DHR & AR-G2, Stainless Steel, 40 mm Upper UTS Plate, Mirror Finish

DHR Modular Microscope Accessory (MMA)

546810.901	HR 30, HR 20, DHR Modular Microscope Accessory (MMA)
546800.901	HR x0, DHR Optics Plate Accessory (OPA)
546814.901	HR x0, DHR Counter-Rotating Optics Plate Accessory
546812.901	HR x0, DHR Optics Plate Thin Cover Glass Kit
546809.901	Modular Microscope Accessory Replacement Thin Glass Cover
546815.901	HR x0, DHR MMA Piezo Scanner 100 μ m
203274.001	HR x0, DHR MMA Fluorescence Splitter

203273.001	HR x0, DHR MMA Objective 20X Long Working Distance
203183.001	HR x0, DHR MMA Objective 40X Long Working Distance
203135.001	HR x0, DHR MMA Objective 20X Short Working Distance
203170.001	HR x0, DHR MMA Objective 50X Short Working Distance, Oil
203171.001	HR x0, DHR MMA Objective 100X Short Working Distance, Oil

DHR Magneto-Rheology Accessory

547100.901	DHR Magneto-Rheology Accessory
547106.901	HR x0, DHR Magneto-Rheology Closed Loop Field Kit
547107.901	HR x0, DHR Magneto-Rheology Extended Temperature Kit
547110.901	DHR Magneto-Rheology Parallel Plate, 20 mm, Stainless Steel
547111.901	DHR Magneto-Rheology Cone, 20 mm, 2 deg, Stainless Steel
547112.901	HR x0, DHR Magneto-Rheology Lower Plate
595007.901	Computer-Controlled Circulator, Wide Range (115VAC/60Hz)
595007.902	Computer-Controlled Circulator, Wide Range (230VAC/50Hz)
203349.001	Thermal C5 Low Temperature Circulator Fluid (-35 °C to 110 °C)
203350.001	Thermal C20S High Temperature Circulator Fluid (0 °C to 200 °C)

DHR Electro-Rheology Accessory

546701.901	HR 30, HR 20, DHR Electro-Rheology Accessory (110VAC) Note: Requires Electro-rheology shield kit P/N: 534060.901 for HR x0 and P/N: 533604.901 for DHR.
546701.902	HR 30, HR 20, DHR Electro-Rheology Accessory (220VAC) Note: Requires Electro-rheology shield kit P/N: 534060.901 for HR x0 and P/N: 533604.901 for DHR.
533604.901	DHR Electro-Rheology Shield and Safety Interlock Kit
546761.901	DHR Electro-Rheology, Parallel Plate, 25 mm
546705.901	DHR Electro-Rheology, Parallel Plate, 40 mm
546762.901	DHR Electro-Rheology, 25 mm DIN Rotor
545630.902	HR x0, DHR Electro-Rheology, Stainless Steel Concentric Cylinders Cup, 30 mm diameter
595006.901	DHR Electro-Rheology Dress Cover Grounding Retrofit Kit

DHR & AR-G2 Immobilization Cell Accessory

547920.901	HR x0, DHR & AR-G2 Immobilization Cell Accessory
547962.001	Replacement Sieve for Immobilization Cell

DHR & AR-G2 Tribo-Rheometry Accessory

533242.901	Tribo-Rheometry Accessory Base Kit
533279.901	HR x0, DHR & AR-G2, Tribo-Rheometry Coupling Adapter, Short
533279.902	HR x0, DHR & AR-G2, Tribo-Rheometry Coupling Adapter, Long
533273.902	Tribo-Rheometry, Single Ball Upper Geometry Holder, Short
533273.901	Tribo-Rheometry, Single Ball Upper Geometry Holder, Medium

533273.903	Tribo-Rheometry, Single Ball Upper Geometry Holder, Long
533283.901	Tribo-Rheometry, Ring on Plate Upper Geometry Holder
533290.901	Tribo-Rheometry, 3 Balls on Plate Upper Geometry Holder
533249.901	Tribo-Rheometry, 5/16" Truncated SST Balls (pkg. of 12)
533250.901	Tribo-Rheometry, 1/2" SST Balls (pkg. of 25)
533284.901	Tribo-Rheometry, Ring Upper Geometry (pkg. of 3)
533274.901	Tribo-Rheometry, Ball on 3 Balls Lower Geometry
533281.901	Tribo-Rheometry, SST Cup 45 mm Lower Geometry (pkg. of 2)
533282.901	Tribo-Rheometry, 3 Plates Lower Geometry
533291.901	Tribo-Rheometry, Ball on 3 Plates SST Test Plates (pkg. of 30)
523400.907	Aluminum, 40 mm Disposable Plate
533300.901	HR x0, DHR & AR-G2, ETC, Tribo-Rheometry Lower Geometry Holder
531336.901	DHR & AR-G2 to AR2000ex Tribo-Rheometry Geometry Adapter Sleeve
532080.901	HR x0, DHR, ARES-G2, APS, Tribo-Rheometry Lower Geometry Holder

HR 30, HR 20, DHR Rheo-Raman Accessory

533613.901	HR 30, HR 20, DHR Rheo-Raman Accessory Note: Requires iXR Raman Spectrometer, sold separately. Also requires Upper Heated Plate (P/N: 545803.901 for DHR or 534063.901 for HR x0), appropriate UTS-compatible upper geometry, Rheo-Raman microscope objective (P/N: 271904.001), and Rheo-Raman optical table (P/N: 271920.001 for DHR or 272004.001 for HR x0). Requires service engineer installation quoted separately.
271920.001	DHR Rheo-Raman Optical Table
272004.001	HR x0, DHR Rheo-Raman Optical Table
271904.001	HR x0, DHR Rheo-Raman Objective 20X Long Working Distance
533611.901	Rheo-Raman Accessory Replacement Glass Plates and O-rings

DHR Dielectric Accessory

546601.901	HR 30, HR 20, DHR Dielectric Accessory: requires appropriate geometries and customer-supplied LCR meter
546602.901	HR x0, DHR 25 mm Upper Dielectric Geometry: for use with the HR 30, HR 20, DHR Dielectric Accessory (P/N: 546601.901)
546603.901	HR x0, DHR 25 mm Lower Dielectric Geometry: for use with the HR 30, HR 20, DHR Dielectric Accessory (P/N: 546601.901)
546610.901	HR x0, DHR Upper Dielectric Disposable Geometry: for use with the HR 30, HR 20, DHR Dielectric Accessory (P/N: 546601.901)
546615.901	HR x0, DHR Lower Dielectric Disposable Geometry: for use with the HR 30, HR 20, DHR Dielectric Accessory (P/N: 546601.901)
613.04946	Keysight E4980A LCR Meter for HR x0, DHR and ARES-G2, RSA-G2 DETA: frequency range: 20Hz. to 2MHz.; AC test signal (potential) 0.005 to 20 Volts (115/230VAC; 50/60Hz.)
203330.001	Keysight E4980AL-102 LCR Meter for HR x0, DHR and ARES-G2, RSA-G2 DETA: frequency range: 20Hz to 1MHz; AC test signal (potential) 0.001 to 2 Volts (115/230VAC; 50/60Hz)

DHR & AR-Series Torsion Immersion

545618.901	HR x0, DHR & AR-Series Smart Swap Torsion Immersion Kit <i>Note: Requires Peltier Fluid Jacket P/N: 533201.901.</i>
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DHR & AR-Series Generic Container Holder

547004.901	HR x0, DHR & AR-Series Generic Container Holder <i>Note: Suitable for containers with OD in the range of 30 mm to 80 mm.</i>
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DHR & AR-Series Blank Smart Swap Base

531056.901	HR x0, DHR & AR-Series Blank Smart Swap Base
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DHR Pressure Cell

533216.901	HR x0, DHR Pressure Cell High Temp <i>Note: Requires Smart Swap Peltier Concentric Cylinder Jacket P/N: 533201.901 or Smart Swap Electrically Heated Concentric Cylinder P/N: 547310.901.</i>
402828.901	Starch Rotor for HR x0, DHR Pressure Cell (P/N: 533216.901)
402815.901	Vane Rotor for HR x0, DHR Pressure Cell (P/N: 533216.901)

DHR High Sensitivity Pressure Cell

547050.901	HR x0, DHR High Sensitivity Pressure Cell <i>Note: Requires the Concentric Cylinder Peltier Jacket, P/N 533201.901.</i>
402817.901	Vane rotor for HR x0, DHR & ARES-G2 High Sensitivity Pressure Cell (HSPC) <i>Note: Requires HR x0, DHR or ARES-G2 High Sensitivity Pressure Cell - HR x0, DHR P/N: 547050.901 or ARES-G2 P/N: 402818.901.</i>
547052.901	Starch rotor for HR x0, DHR High Sensitivity Pressure Cell (HSPC) <i>Note: Requires HR x0, DHR High Sensitivity Pressure Cell (P/N: 547050.901).</i>

DHR & AR-Series Smart Swap Starch Pasting Cell and Replacement Parts

545702.901	DHR & AR-G2, Starch Pasting Cell
545712.901	DHR & AR-G2, Replacement Rotor for Starch Pasting Cell
545713.901	DHR & AR-G2, HA Aluminum Conical Rotor For Starch Pasting Cell
545723.001	Replacement Cup for Starch Pasting Cell

DHR & AR UV-Curing Option

546301.901	HR x0, DHR-3, DHR-2 & AR-Series, UV Light Guide Accessory without UV Light Source
546303.901	HR x0, DHR-3, DHR-2 & AR-Series, UV Light Guide Accessory with UV Light Source
533217.901	HR x0, DHR-3 & DHR-2, 365 nm LED UV-Curing Accessory
533218.901	HR x0, DHR-3 & DHR-2, 455 nm LED Blue Light Curing Accessory
546384.901	UV-Curing Accessory Plate Rubber Ring Plate Guards

546320.901	DHR-3, DHR-2 & AR-G2, Stainless Steel, Smart Swap Disposable Plate Shaft for UV Accessories
403153.001	20 mm Quartz Plate for HR x0/DHR/AR and ARES UV-Curing Option <i>Note: For use with the upper plate fixture of ARES-UV option and the lower plate fixture of HR x0/DHR/AR-UV option.</i>
403064.901	20 mm diameter Disposable Acrylic Plates (pkg. of 10) <i>Note: For use with the upper plate fixture of ARES-UV option and the lower plate fixture of HR x0/HR/AR-UV option.</i>
200400.001	Replacement 5 mm diameter light guide for HR x0/DHR/AR and ARES UV-Curing and Photo-Curing Options
935014.901	PCA/UV External Filter Adapter Accessory Kit (allows use of external filters with the PCA P/N: 935000.901)
935009.001	Filter, External, 320 - 480 nm (for the Omnicure S-2000 with external filter adapter)
935009.002	Filter, External, 320 - 390 nm (for the Omnicure S-2000 with external filter adapter)
935009.004	Filter, External, 400 - 500 nm (for the Omnicure S-2000 with external filter adapter)
935009.003	Filter, External, 365 nm (for the Omnicure S-2000 with external filter adapter)
546316.901	Replacement radiometer for UV Light Guide Accessory
546317.901	Replacement radiometer for UV LED Accessory
533405.901	HR x0, DHR UHP Cover for UV Curing Accessories

DHR & AR-Series Smart Swap Interfacial Rheology Systems and Accessories

545907.901	DHR-3, DHR-2 Double Wall Ring Interfacial (DWR) Rheology System for Standard Peltier Plate: includes DWR Pt/Ir Ring Geometry and Delrin Trough. <i>Note: Option requires standard Peltier Plate P/N: 533210.901.</i>
545910.901	DHR-3, DHR-2 Double Wall Ring Interfacial (DWR) Rheology System for Advanced Peltier Plate: includes DWR Pt/Ir Ring Geometry and Delrin Trough. <i>Note: Option requires Advanced Peltier Plate P/N: 533209.901.</i>
545909.901	DHR-3, DHR-2 Double Wall Du Nouy Ring (DDR) Interfacial Rheology System <i>Note: Option requires standard Peltier Plate P/N: 533210.901.</i>
533601.901	HR x0, DHR Double Wall Ring (DWR) Interfacial Exchange Cell
271902.001	HR x0, DHR Double Wall Ring (DWR) Interfacial Exchange Cell Syringe Pump
533624.901	Interfacial Exchange Cell Replacement Tubing and Syringes
545911.901	DHR & AR-G2 Interfacial Geometry Holder
545950.001	HR x0, DHR & AR-G2, Double Wall Ring, Platinum-Ir (replacement ring - does NOT include geometry holder)
530021.001	HR x0, DHR & AR-G2, Pt-Ir Du Nouy Ring Geometry for Dynamic Interfacial System (replacement ring - does NOT include geometry holder)

545908.901	HR x0, DHR-3, DHR-2 & AR-G2, Double Wall Ring Window Kit
545903.901	DHR & AR-G2, Smart Swap Interfacial Bicone Accessory
545922.001	HR x0, DHR, AR-G2 and AR 2000, 45 mm Diameter Teflon Interfacial Bicone Cup
545934.001	DHR & AR-G2 Smart Swap Interfacial Bicone Geometry
578155.001	Sample - Vessel 70 mm diameter (glass-cup)

DHR & HR x0 SALS Accessory

533222.901	HR 30, HR 20, DHR-3, DHR-2 SALS Accessory
546417.901	DHR-3, DHR-2 & AR-G2 Quartz 50 mm Plate
546484.001	SALS Polystyrene Alignment Material
546483.001	SALS Neutral Density Filter Kit

DHR & AR-Series Smart Swap Asphalt Submersion Cell

554103.901	HR x0, DHR & AR-Series Smart Swap Asphalt Submersion Cell
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Air Supply Accessories

250000.001	Filter/Regulator
250000.002	0.01 micron replacement filter element for use with P/N: 250000.001
250000.003	5 micron replacement filter element for use with P/N: 250000.001
500030.901	Membrane Compressed Air Dryer
575016.901	HR x0, DHR, and AR-Series Oil-Free Compressor (240VAC/50Hz)

DHR Manifold Mounting Adapter

533235.901	DHR Manifold Mounting Adapter
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DHR & AR-Series Asphalt Accessories

Cylindrical Torsion

543033.001	Asphalt Cylindrical Torsion End Pieces
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Automated Temperature Calibration

554024.901	HR x0, DHR & AR-Series Automated Asphalt Temperature Calibration Kit Note: Requires PC with USB port and TRIOS or Rheology Advantage Software Version 5.7. or later.
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DHR & AR Asphalt Submersion Cell

554003.901	Asphalt Submersion Cell Replacement Filter Material, 1 Package
554004.901	Replacement Asphalt Submersion Cell Plate Removal Tool
554007.901	Asphalt Sample Molds, 1 Pair

Asphalt Submersion Cell Parallel Plates

Note: Screw-in Parallel Plates for use with the following Systems:

- 1) CSA/CSA II: Lower Plate only,
- 2) HR x0, DHR & AR-Series Asphalt Submersion Cell (P/N 554103.901).
These plates are constructed with four holes for plate removal.

554001.901	Stainless Steel, 8 mm Screw-in Parallel Plates for Asphalt Submersion Cell
554008.901	Stainless Steel, 12 mm Screw-in Parallel Plates for Asphalt Submersion Cell
554002.901	Stainless Steel, 25 mm Screw-in Parallel Plates for Asphalt Submersion Cell
554019.902	HA Aluminum, 8 mm Screw-in Parallel Plates for Asphalt Submersion Cell
554020.902	HA Aluminum, 25 mm Screw-in Parallel Plates for Asphalt Submersion Cell

Peltier, UHP Dry Asphalt System Replacement Parts

952377.901	Fungicide for Peltier Reservoir
532067.901	HR x0, DHR & AR-Rheometer Vibration Isolation Pads
203854.901	Koolance Peltier Circulator Fluid (-10 °C to 100 °C, pkg. of 1)
203854.902	Koolance Peltier Circulator Fluid (-10 °C to 100 °C, pkg. of 4)

Stainless Steel Sample Trimming Tools

545852.001	3 mm UHP Plate Trimming Tool (for use with Standard Peltier Plate)
545851.001	6 mm UHP Dry Asphalt System Trimming Tool (for use with Stepped Peltier)

Standard Oils

250024.001	Low Viscosity Standard Oil (S60) ~ 100 mPa.s (cP) @ 25 °C
250024.002	High Viscosity Standard Oil (S600) ~ 1100 mPa.s (cP) @ 25 °C
201261.001	DSR Standard N2700000SP Standard Oil

Rheology Text Books

575105.901	A Handbook of Elementary Rheology, Howard A. Barnes
575103.901	Introduction to Rheology, H.A. Barnes, J.F. Hutton and K. Walters

RHEOLOGY – ARES

ARES-G2 Software

Note: TRIOS Software is included with ARES-G2 Base System.

926018.001	LAOS and FT RHEOLOGY for TRIOS: Large Amplitude Oscillatory Shear and Fourier Transform Rheology Software for TRIOS
926019.001	Rheology Polymer Library for TRIOS: includes software for Molecular Weight Distribution Calculations
251471.002	DSL Router with 4-Port Switch: for communication between an external controller and Thermal and Rheology instruments
203599.901	Universal AC adapter kit for DSL Router

ARES FCO Temperature Control Option

FCO Temperature Control System and Options

401892.901	ARES-G2 and RSA-G2 Forced Convection Oven (FCO)
401041.901	ARES-G2, RSA-G2 and DMA 3200 FCO LN2 Controller Option
401798.901	ARES/RSA3 to ARES-G2/RSA-G2 LN2 Upgrade Kit
401711.901	ARES-G2 and RSA-G2 FCO Camera
401070.901	Heat Shield for ARES-G2 Forced Convection Oven
405001.901	ACS-2 Air Chiller System (220-230VAC/60Hz) Note: Requires ARES-G2 & RSA-G2 FCO Air Chiller Panel (P/N: 404041.901) for operation.
405001.902	ACS-2 Air Chiller System (220-230VAC/50Hz) Note: Requires ARES-G2 & RSA-G2 FCO Air Chiller Panel (P/N: 404041.901) for operation.
405000.901	ACS-3 Air Chiller System (220-230VAC/60Hz) Note: Requires ARES-G2 & RSA-G2 FCO Air Chiller Panel (P/N: 404041.901) for operation.
405000.902	ACS-3 Air Chiller System (220-230VAC/50Hz) Note: Requires ARES-G2 & RSA-G2 FCO Air Chiller Panel (P/N: 404041.901) for operation.
404041.901	ARES-G2, RSA-G2 & DMA 3200 FCO Air Chiller Panel (for use with ACS-2 and ACS-3 Air Chiller Systems)

FCO Geometry Bundles and Sample Preparation Kit

402319.901	ARES FCO Melt Rheology Geometry Bundle; includes: Torsion Rectangular Fixture (P/N: 403220.901) Stainless Steel, 25 mm parallel plates (two of P/N: 401981.901) Stainless Steel 25 mm 0.1 rad Cone (P/N: 402317.901) Note: Compatible with ARES Classic Instruments.
401035.901	ARES FCO Advanced Melt Rheology Add-On Geometry Bundle; Designed for use with Melt Rheology Geometry Bundle, includes: Stainless Steel 50 mm Parallel Plates (two of P/N: 401968.901) Stainless Steel 25 mm Serrated Plates (two of P/N: 401.00512.1) Stainless Steel 50 mm 0.04 rad Cone (P/N: 401963.901) Note: Compatible with ARES Classic Instruments.

402323.901	ARES FCO Thermoset Testing Geometry Bundle; includes: Torsion Rectangular Fixture (P/N: 403220.901) Disposable Plate Fixture (two of P/N: 402303.901) One Pair 8 mm Aluminum Disposable Plates One Pair 25 mm Aluminum Disposable Plates
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Note: Compatible with ARES Classic Instruments. Additional disposable plates sold separately.

402331.901	ARES-G2 Melt Sample Preparation Kit; includes: 8 mm, 25 mm punch and die set (to 3 mm thick) Aluminum scraping tool for trimming sample Brass brush for cleaning plates Precision knife for sample trimming Polymer Pellet Melt Ring for 25 mm diameter, Upper Cones and Plates Note: Compatible with ARES Classic Instruments.
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FCO Torsion Rectangular and Torsion Cylindrical Geometries

403220.901	ARES-G2 Torsion Rectangular Clamp Set
402560.901	ARES-G2 Torsion Cylindrical Clamp Set (sample holder diameters: 1.5, 3, and 4.5 mm)
403220.902	ARES Classic Torsion Rectangular Clamp Set (Ver 1 through 8)

FCO Specialty Fixtures

403165.901	ARES EVF, Extensional Viscosity Fixture Note: ARES Classic requires 2KFRT transducer.
403074.901	ARES EVF, Replacement Drum Pins, One Set
403076.901	ARES EVF, Sample Mold and Plates
708.01440	ARES Linear Tack Testing Tool
402333.901	ARES Recessed End Ambient Couette; includes 25 mm diameter Titanium Bob, 27 mm diameter Stainless Steel Cup and PRT Note: For ARES-G2 and ARES Classic Rheometers.
402800.901	ARES-G2, Cone Partitioned Plate Geometry for FCO

ARES-G2 Peltier Plate Temperature Control Option

Peltier Plate Temperature Control System

401014.901	ARES-G2 Smart Swap Peltier Plate Note: Requires Environmental Control Box (P/N: 401949.901) and appropriate Peltier Circulator.
401949.901	ARES-G2 Environmental Control Box Note: Required for Peltier Plate Temperature Control.

ARES Solvent Trap Accessory and Solvent Trap Geometries

402280.901	ARES Peltier Plate Solvent Trap Accessory (requires use of solvent trap geometries) Note: For use with ARES Classic and ARES-G2 Smart Swap Peltier Plates ONLY.
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ARES Peltier Circulators for Peltier Systems (Peltier Plate and APS)

403209.901	Air Cooled Peltier Circulator (110/220VAC; 50/60Hz): for DHR & AR and ARES Rheometers
404500.901	Peltier Circulator TCube Edge Model 5A (110/220VAC; 50/60Hz) with fittings for rheometers <i>Note: For use with ARES-G2 Peltier Plate and Peltier Concentric Cylinder Systems.</i>

ARES-G2 Sealed Bath Geometry Bundles and Couettes

402328.901	ARES, Sealed Bath Fluid Rheology Geometry Bundle: for ARES-G2 and ARES Classic Rheometers: includes 50 mm Titanium Upper Plate and Stainless Lower Parallel Plate, Titanium Upper 50 mm 0.04 rad Cone, and recessed end Couette with 34 mm diameter Cup and 32 mm diameter Bob
402330.901	ARES, Sealed Bath Advanced Fluids Rheology Geometry Bundle: for ARES-G2 and ARES Classic Rheometers: includes 25 mm diameter Titanium Upper Plate and Stainless Lower Parallel Plate, Titanium 25 mm diameter 0.04 rad Cone, and small volume recessed end Couette with 17 mm diameter Stainless Steel Cup and 16.5 mm diameter Titanium Bob
401995.901	ARES, Sealed Bath Recessed End Couette: includes 32 mm diameter Titanium Bob with Recessed End and 34 mm diameter Stainless Steel Cup
401996.901	ARES, Sealed Bath Small Volume Recessed End Couette: includes 16.5 mm diameter Titanium Bob and 17 mm diameter Stainless Steel Cup
401997.901	ARES, Sealed Bath Double Wall Couette: includes 34 mm OD/27.95 mm ID Stainless Steel Cup; 32 mm OD/29.5 mm ID Titanium Bob
708.01228	ARES, Stainless Steel 18 mm Vaned Bob: for use with Sealed Bath configured with lower 34 mm Stainless Steel Cup
700.03464	ARES, Stainless Steel Double Wall Cup for Sealed Bath
708.01471	ARES, Stainless Steel, 25 mm Lower Plate for Sealed Bath
708.01472	ARES, Stainless Steel, 50 mm Lower Plate for Sealed Bath

ARES-G2 Advanced Peltier System (APS)

Advanced Peltier System (APS)

402500.901	ARES-G2, APS, Jacket
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APS Cups

402620.901	ARES-G2, APS, Hard Anodized Aluminum, 30 mm Dia., Cup
402741.901	ARES-G2, APS, Stainless Steel, 30 mm Dia., Cup (with embedded PRT)
402641.901	ARES-G2, APS, Hard Anodized Aluminum, 34 mm Dia., Cup
402684.901	ARES-G2, APS, Hard Anodized Aluminum, 34 mm Dia., Double Gap Cup
402684.902	ARES-G2, APS, Stainless Steel, 34 mm Dia., Double Gap Cup

402678.901	ARES-G2, APS, Hard Anodized Aluminum, 20 mm Dia., Cup
402681.901	DHR, ARES-G2, APS, Hard Anodized Aluminum, 42 mm Dia., 15 mm Edge Height, Immersion Cup: includes two removable sidewalls (one aluminum and one clear polycarbonate) for easy sample loading and trimming

APS Bobs (for use with APS Cups)

402621.901	ARES-G2, APS, Stainless Steel, 27.7 mm Dia., DIN Bob
402673.901	ARES-G2, APS, Stainless Steel, 27.7 mm Dia., 41.5 mm Height, Recessed End Bob
402675.901	ARES-G2, APS, Stainless Steel, 27.7 mm Dia., 41.5 mm Height, Vane Bob
402682.901	ARES-G2, APS, Stainless Steel, 15 mm Dia., 38 mm Height, Wide Gap Vane Bob
402679.901	ARES-G2, APS, Stainless Steel, 18.6 mm Dia., 27.9 mm Height, Conical End DIN Bob
402680.901	ARES-G2, APS, Stainless Steel, 18.6 mm Dia., 27.9 mm Height, Recessed End Bob
402674.901	ARES-G2, APS, Titanium, 31.4 mm Dia., 47.1 mm Height, Recessed End Bob
402676.901	ARES-G2, APS, Titanium, Double Gap Bob: Inner Dia. = 29.4 mm, Outer Dia. = 32 mm, Height = 48 mm, Sample Volume = 9.4 mL
402676.902	ARES-G2, APS, Titanium, Narrow Gap Double Gap Bob: Inner Dia. = 28.6 mm, Outer Dia. = 33 mm, Height = 49.5 mm, Sample Volume = 5.0 mL

APS Standard Flat Plate

402619.901	ARES-G2, APS, Standard Flat Plate
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APS Quick Change Plates (for use with APS Standard Flat Plate)

402625.901	DHR, ARES-G2, APS, Stainless Steel, 8 mm, Quick Change Plate
402624.901	DHR, ARES-G2, APS, Stainless Steel, 25 mm, Quick Change Plate
402623.901	DHR, ARES-G2, APS, Stainless Steel, 40 mm, Quick Change Plate
402622.901	DHR, ARES-G2, APS, Stainless Steel, 50 mm, Quick Change Plate
402627.901	DHR, ARES-G2, APS, Stainless Steel, Cross Hatched, 8 mm, Quick Change Plate
402628.901	DHR, ARES-G2, APS, Stainless Steel, Cross Hatched, 25 mm, Quick Change Plate
402629.901	DHR, ARES-G2, APS, Stainless Steel, Cross Hatched, 40 mm, Quick Change Plate
402630.901	DHR, ARES-G2, APS, Hard Anodized Aluminum, 25 mm, Quick Change Plate
402631.901	DHR, ARES-G2, APS, Hard Anodized Aluminum, 40 mm, Quick Change Plate

402632.901	DHR, ARES-G2, APS, Hard Anodized Aluminum, 50 mm, Quick Change Plate
402633.901	DHR, ARES-G2, APS, Titanium, 25 mm, Quick Change Plate
402634.901	DHR, ARES-G2, APS, Titanium, 50 mm, Quick Change Plate
402811.901	DHR, ARES-G2, APS, Stainless Steel, Sandblasted, 8 mm, Quick Change Plate
402770.901	DHR, ARES-G2, APS, Stainless Steel, Sandblasted, 25 mm, Quick Change Plate
402769.901	DHR, ARES-G2, APS, Stainless Steel, Sandblasted, 40 mm, Quick Change Plate
402768.901	ARES-G2, APS, Stainless Steel, Sandblasted, 50 mm, Quick Change Plate
402751.902	DHR, ARES-G2, APS, Quick Change Plate Holder

APS Quick Change Disposable Plates (for use with APS Standard Flat Plate)

402611.901	DHR, ARES-G2, APS, Aluminum, 8 mm, Quick Change Disposable Plate (pkg. of 20)
402612.901	DHR, ARES-G2, APS, Aluminum, 20 mm, Quick Change Disposable Plate (pkg. of 20)
402613.901	DHR, ARES-G2, APS, Aluminum, 25 mm, Quick Change Disposable Plate (pkg. of 20)
402751.901	DHR, ARES-G2, APS, Quick Change Disposable Plate Holder

APS Solvent Trap Cover

402515.901	ARES-G2, APS, Split Solvent Trap Cover for Cones and Parallel Plates
402691.901	ARES-G2, APS, Solvent Trap Cover for Concentric Cylinders

ARES Solvent Trap - Heat Break Geometries (for use with Peltier Plate and APS)

ARES Solvent Trap - Heat Break Geometries: Parallel Plates

402677.903	ARES, Stainless Steel, Heat Break, Solvent Trap, 25 mm, Parallel Plate
402677.901	ARES, Stainless Steel, Heat Break, Solvent Trap, 40 mm, Parallel Plate
402677.902	ARES, Stainless Steel, Heat Break, Solvent Trap, 50 mm, Parallel Plate
402683.903	ARES, PPS, Heat Break, Solvent Trap, 25 mm, Parallel Plate
402683.901	ARES, PPS, Heat Break, Solvent Trap, 40 mm, Parallel Plate
402683.902	ARES, PPS, Heat Break, Solvent Trap, 50 mm, Parallel Plate

ARES Solvent Trap - Heat Break Geometries: Roughened Surface Plates

402767.903	ARES, Stainless Steel, Heat Break, Solvent Trap, Sandblasted, 25 mm, Parallel Plate
402767.901	ARES, Stainless Steel, Heat Break, Solvent Trap, Sandblasted, 40 mm, Parallel Plate

402767.902	ARES, Stainless Steel, Heat Break, Solvent Trap, Sandblasted, 50 mm, Parallel Plate
402766.902	ARES, Stainless Steel, Heat Break, Solvent Trap, Cross Hatched, 25 mm, Parallel Plate
402766.901	ARES, Stainless Steel, Heat Break, Solvent Trap, Cross Hatched, 40 mm, Parallel Plate
402766.903	ARES, Stainless Steel, Heat Break, Solvent Trap, Cross Hatched, 50 mm, Parallel Plate

ARES Solvent Trap - Heat Break Geometries: Cones

402761.901	ARES, Stainless Steel, Heat Break, Solvent Trap, 25 mm, 1 deg Cone
402762.901	ARES, PPS, Heat Break, Solvent Trap, 25 mm, 1 deg Cone
402760.903	ARES, Stainless Steel, Heat Break, Solvent Trap, 40 mm, 1 deg Cone
402760.901	ARES, Stainless Steel, Heat Break, Solvent Trap, 40 mm, 2 deg Cone
402764.903	ARES, PPS, Heat Break, Solvent Trap, 40 mm, 1 deg Cone
402764.901	ARES, PPS, Heat Break, Solvent Trap, 40 mm, 2 deg Cone
402763.903	ARES, Stainless Steel, Heat Break, Solvent Trap, 50 mm, 1 deg Cone
402763.901	ARES, Stainless Steel, Heat Break, Solvent Trap, 50 mm, 2 deg Cone
402765.903	ARES, PPS, Heat Break, Solvent Trap, 50 mm, 1 deg Cone
402765.901	ARES, PPS, Heat Break, Solvent Trap, 50 mm, 2 deg Cone

ARES Single Boxed Parallel Plate Geometries

Stainless Steel Parallel Plate Geometries

Note: For use with FCO (two required), Bath, and Peltier Temperature Systems.

401985.901	ARES, Stainless Steel, 8 mm Parallel Plate
401981.901	ARES, Stainless Steel, 25 mm Parallel Plate
402302.901	ARES, Stainless Steel, 40 mm Parallel Plate
401968.901	ARES, Stainless Steel, 50 mm Parallel Plate
401978.901	ARES, Stainless Steel, Serrated, 25 mm Parallel Plate
401647.901	ARES, Stainless Steel, Cross Hatched, 8 mm Parallel Plate
401667.901	ARES, Stainless Steel, Cross Hatched, 25 mm Parallel Plate
401687.901	ARES, Stainless Steel, Cross Hatched, 50 mm Parallel Plate

Titanium Parallel Plate Geometries

Note: For use with FCO (two required), Bath, and Peltier Temperature Systems.

402309.901	ARES, Titanium, 25 mm Parallel Plate
402310.901	ARES, Titanium, 50 mm Parallel Plate

Polyphenylene Sulfide (PPS) Parallel Plate Geometries

Note: For use with Bath and Peltier Temperature Systems.

402311.901	ARES, PPS, 25 mm Upper Plate; Maximum Temperature = 150 °C
402312.901	ARES, PPS, 40 mm Upper Plate; Maximum Temperature = 150 °C
402313.901	ARES, PPS, 50 mm Upper Plate; Maximum Temperature = 150 °C

ARES Cone Geometries (Stainless Steel, Titanium, and PPS)

Stainless Steel Upper Cones

Note: For use with FCO, Bath, and Peltier Temperature Systems.

402305.901	ARES, Stainless Steel, 8 mm 0.1 rad Cone (5.73 deg)
401977.901	ARES, Stainless Steel, 25 mm 0.02 rad Cone (1.15 deg)
401976.901	ARES, Stainless Steel, 25 mm 0.04 rad Cone (2.29 deg)
402317.901	ARES, Stainless Steel, 25 mm 0.1 rad Cone (5.73 deg)
401965.901	ARES, Stainless Steel, 50 mm 0.02 rad Cone (1.15 deg)
401963.901	ARES, Stainless Steel, 50 mm 0.04 rad Cone (2.29 deg)

Titanium Upper Cones

Note: For use with FCO, Bath, and Peltier Temperature Systems.

401972.901	ARES, Titanium, 25 mm 0.02 rad Cone (1.15 deg)
401975.901	ARES, Titanium, 25 mm 0.04 rad Cone (2.29 deg)
401973.901	ARES, Titanium, 25 mm 0.1 rad Cone (5.73 deg)
401964.901	ARES, Titanium, 50 mm 0.02 rad Cone (1.15 deg)
401962.901	ARES, Titanium, 50 mm 0.04 rad Cone (2.29 deg)

Polyphenylene Sulfide (PPS) Cone Geometries

Note: For use with Bath and Peltier Temperature Systems.

402314.901	ARES, PPS, 25 mm 0.1 rad Cone; Maximum Temperature = 150 °C
402315.901	ARES, PPS, 50 mm 0.04 rad Cone; Maximum Temperature = 150 °C

ARES Disposable Plate Fixtures and Accessories

Stainless Steel Disposable Plate Fixture

Note: For use with FCO (two required), Bath, and Peltier Temperature Systems.

402303.901	ARES, Stainless Steel, Disposable Plate Fixture Note: Requires disposable plates.
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Aluminum and Stainless Steel Disposable Plates

700.01294.17	Aluminum, 8 mm Disposable Plates (pkg. of 20)
700.01294.3	Aluminum, 25 mm Disposable Plates (pkg. of 20)
700.01294.4	Aluminum, 40 mm Disposable Plates (pkg. of 20)
700.01294.5	Aluminum, 50 mm Disposable Plates (pkg. of 20)
700.01294.11	Serrated Aluminum, 8 mm Disposable Plates (pkg. of 2)
700.01294.6	Serrated Aluminum, 25 mm Disposable Plates (pkg. of 2)
700.01294.7	Serrated Aluminum, 50 mm Disposable Plates (pkg. of 2)
700.01295.9	Stainless Steel, 8 mm Disposable Plates (pkg. of 20)
700.01295.3	Stainless Steel, 25 mm Disposable Plates (pkg. of 20)
700.01295.4	Stainless Steel, 40 mm Disposable Plates (pkg. of 20)
700.01295.5	Stainless Steel, 50 mm Disposable Plates (pkg. of 20)
700.01295.6	Serrated Stainless Steel, 25 mm Disposable Plates (pkg. of 2)
700.02678	Aluminum, 42 mm Disposable Cup, (1 piece)
700.02648	Disposable Plate Sample Mold, 25 mm
402739.901	Aluminum, 25 mm Disposable Plates with Drip Channel (pkg. of 20)

Aluminum Disposable Cones

700.02451.2	Aluminum, 25 mm 0.02 rad (1.15 deg) Disposable Cone (pkg. of 10)
700.02451.1	Aluminum, 25 mm 0.1 rad (5.73 deg) Disposable Cone (pkg. of 10)
700.02451.3	Aluminum, 50 mm 0.04 rad (2.29 deg) Disposable Cone (pkg. of 10)

ARES Miscellaneous Fixtures and Accessories

ARES Asphalt Accessories

554007.901	Asphalt Sample Molds, 1 Pair
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ARES Air and Calibration Accessories

700.02657.2	ARES, RSA, and TAM Air Dryer
250000.006	Oil Filter Removal Element (Norgren)
613.06406	Replacement F73G 5 micron Filter Element for Air Dryer
700.01011	PDMS, 2 oz
700.01016	Silicone Oil, 1000 cP
400.02589	Steel Reference Standard

ARES-G2 Extensional Viscosity Accessory (EVA)

404131.901	ARES-G2 Extensional Viscosity Accessory (EVA)
404140.902	ARES-G2 Standard Drum Pair Set for EVA
404140.904	ARES-G2 Knurled Surface Drum Pair Set for EVA
404140.906	ARES-G2 Roughened Surface Drum Pair Set for EVA
403056.901	DHR, ARES-G2 Replacement Clamps for EVA (pkg. of 6)

ARES Universal Testing Platform

403090.001	SER3 Universal Testing Platform for ARES/ARES-G2
200974.003	SER3 Standard Drum Pair Set for ARES-G2/ARES Rheometers
200975.003	SER3 Knurled Surface Drum Pair Set for ARES-G2/ARES Rheometers
200976.003	SER3 Rough Surface Drum Pair Set for ARES-G2/ARES Rheometers
200977.002	Securing Clamps for DHR & AR SER3/2 and ARES-G2 SER3 (pkg. of 6)
200978.001	SER3 and SER2 Dual Blade Cutter Assembly
200979.001	Razor Blades for SER3 and SER2 Dual Blade Cutter Assembly (pkg. of 50)
200974.001	SER2 Standard Drum Pair Set for ARES Rheometers
200975.001	SER2 Knurled Surface Drum Pair Set for ARES Rheometers
200976.001	SER2 Rough Surface Drum Pair Set for ARES Rheometers
200977.001	SER2 Securing Clamps for ARES Rheometers (pkg. of 6)

ARES Helical Mixer Geometry

401827.901	ARES Stainless Steel Helical Rotor
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ARES DETA: Dielectric Thermal Analysis Options

402551.901	ARES-G2 and RSA-G2 DETA Accessory Kit (LCR Meter not included): Requires two ARES 25 mm DETA Geometries (P/N: 402553.901) and customer-supplied Keysight E4980A LCR Meter (P/N: 613.04946), or Keysight E4980AL LCR Meter (P/N: 203330.001).
402553.901	ARES 25 mm DETA Geometry: for use with the ARES DETA option (P/N: 402551.901)
404000.901	ARES-G2, Disposable DETA Geometry: for use with the ARES DETA option (P/N: 402551.901)
613.04946	Keysight E4980A LCR Meter for ARES-G2, RSA-G2, and DHR DETA: frequency range: 20Hz to 2MHz; AC test signal (potential) 0.005 to 20 Volts (115/230VAC; 50/60Hz)
203330.001	Keysight E4980AL-102 LCR Meter for ARES-G2, RSA-G2, and DHR DETA: frequency range: 20 Hz to 1 MHz; AC test signal (potential) 0.001 to 2 Volts (115/230V; 50/60 Hz)

ARES UV-Curing Options

401177.901	ARES-G2 UV-Curing Option without Light Source
401177.902	ARES-G2 UV-Curing Option with Light Source
935014.901	PCA/UV External Filter Adapter Accessory Kit (allows use of external filters with the PCA P/N: 935000.901)
935009.001	Filter, External, 320 - 480 nm (for the Omnicure S-2000 with external filter adapter)
935009.002	Filter, External, 320 - 390 nm (for the Omnicure S-2000 with external filter adapter)
935009.004	Filter, External, 400 - 500 nm (for the Omnicure S-2000 with external filter adapter)
935009.003	Filter, External, 365 nm (for the Omnicure S-2000 with external filter adapter)

403153.001	Quartz, 20 mm diameter, Parallel Plate for ARES and DHR/AR UV-Curing Option <i>Note: For use with the upper plate fixture of ARES-UV option and the lower plate fixture of DHR/AR-UV option.</i>
403171.002	Stainless Steel, 20 mm diameter, Parallel Plate for ARES UV-Option <i>Note: For use with the lower plate fixture of ARES-UV option and Photo-Curing Option upper quartz plate and fixture.</i>
403064.901	Acrylic, 20 mm diameter, Disposable Parallel Plates for ARES UV-Option (pkg. of 10) <i>Note: For use with the upper plate fixture of ARES-UV option and the lower plate fixture of DHR/AR-UV option.</i>
403065.901	Aluminum, 20 mm diameter, Disposable Parallel Plates for ARES UV-Option (pkg. of 10) <i>Note: For use with the lower plate fixture of ARES-UV option and Photo-Curing Option upper quartz plate and fixture.</i>
200400.001	Replacement 5 mm diameter light guide for ARES and AR UV-Curing and Photo-Curing Options
403170.001	Replacement remote radiometer/dosimeter for ARES UV-Curing Option

ARES Draft Shield

402735.901	ARES-G2 Draft Shield
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ARES Electro-Rheological Analysis Option

401940.901	ARES Electro-Rheological Analysis Accessory for ARES-G2 (110VAC)
401940.902	ARES Electro-Rheological Analysis Accessory for ARES-G2 (220VAC)
402754.901	ARES-G2, Electro-Rheology, Stainless Steel, 25 mm, Upper Plate <i>Note: For upper use only and NOT compatible with the FCO.</i>
402752.901	ARES-G2, Electro-Rheology, Stainless Steel, 50 mm, Upper Plate <i>Note: For upper use only and NOT compatible with the FCO.</i>

ARES Interfacial (DWR) Rheology System

402820.901	ARES-G2, Double Wall Ring Interfacial (DWR) Rheology System: includes DWR Pt/Ir Ring Geometry and Delrin Trough, which mounts on the APS Flat Plate. <i>Note: Requires APS Flat Plate (P/N: 402619.901) and APS Jacket (P/N: 402500.901).</i>
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ARES Motor Boost Accessory

404008.901	Motor Boost Accessory for ARES-G2
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ARES Orthogonal Superposition (OSP) Accessory

402796.901	ARES-G2, APS, Titanium, OSP Slotted Double Gap Bob
402796.902	ARES-G2, APS, Titanium, OSP Slotted Narrow Gap Double Bob
402782.901	ARES-G2, APS, HA AL, 34 mm Dia., OSP Slotted Double Gap Cup

708.01458	ARES Linear Film/Fiber Testing Tool (for use with ARES-G2 and ARES Classic Instruments configured with 2KFRTN transducers)
532069.901	ARES-G2, 3-Point Bending Geometry
532070.901	ARES-G2, Cantilever Bending Geometry

ARES-G2 Tribo-Rheometry Accessory

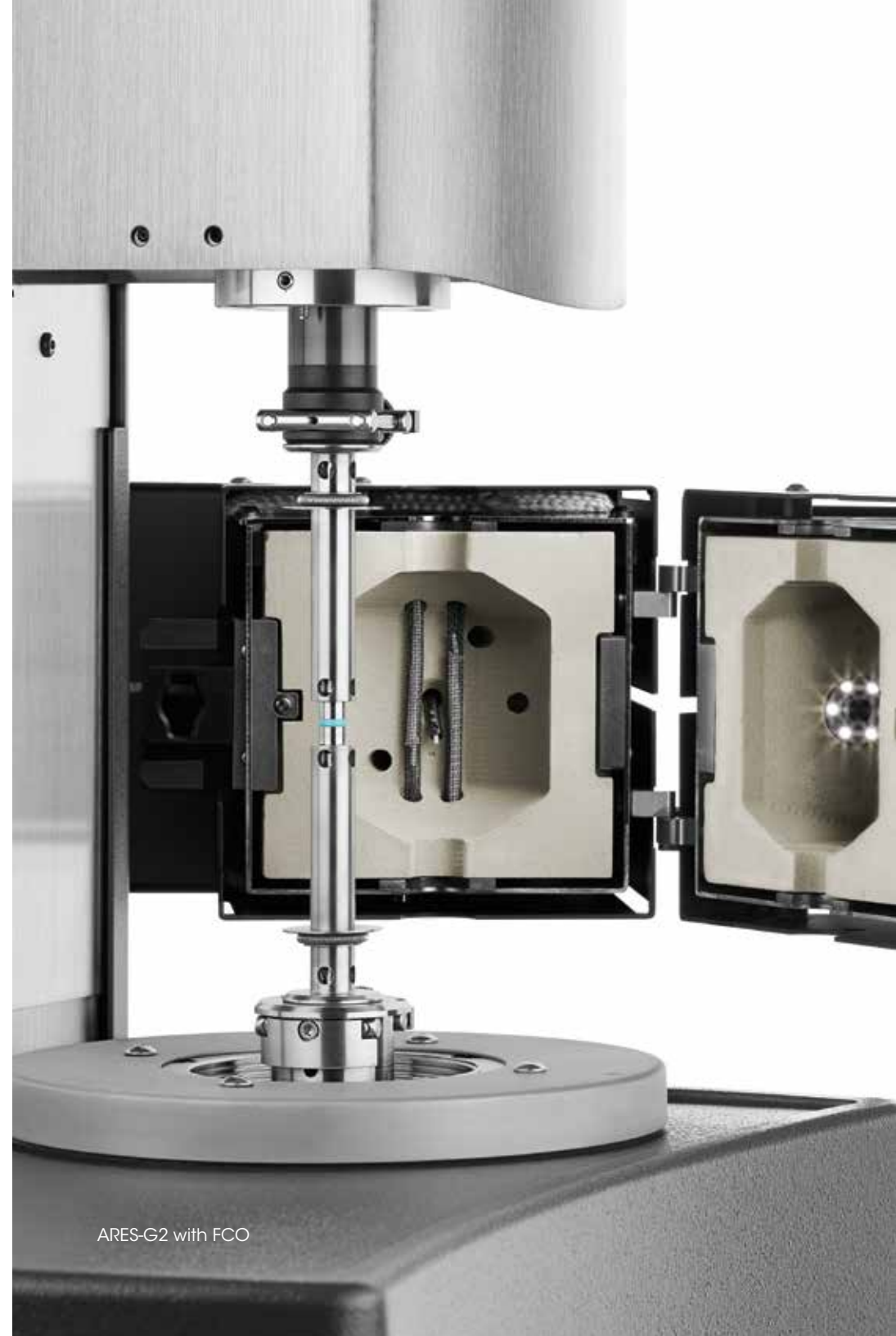
533242.901	Tribo-Rheometry Accessory Base Kit
532078.901	ARES-G2, Tribo-Rheometry Coupling Adapter, Long
532078.902	ARES-G2, Tribo-Rheometry Coupling Adapter, Short
533273.902	Tribo-Rheometry, Single Ball Upper Geometry Holder, Short
533273.901	Tribo-Rheometry, Single Ball Upper Geometry Holder, Medium
533273.903	Tribo-Rheometry, Single Ball Upper Geometry Holder, Long
533283.901	Tribo-Rheometry, Ring on Plate Upper Geometry Holder
533290.901	Tribo-Rheometry, 3 Balls on Plate Upper Geometry Holder
533249.901	Tribo-Rheometry, 5/16" Truncated SST Balls (pkg. of 12)
533250.901	Tribo-Rheometry, 1/2" SST Balls (pkg. of 25)
533284.901	Tribo-Rheometry, Ring Upper Geometry (pkg. of 3)
533274.901	Tribo-Rheometry, Ball on 3 Balls Lower Geometry
533281.901	Tribo-Rheometry, SST Cup 45 mm Lower Geometry
533282.901	Tribo-Rheometry, 3 Plates Lower Geometry
533291.901	Tribo-Rheometry, Ball on 3 Plates SST Test Plates (pkg. of 30)
523400.907	Aluminum, 40 mm Disposable Plate
532079.901	ARES-G2, FCO, Tribo-Rheometry Lower Geometry Holder
532080.901	DHR, ARES-G2, APS, Tribo-Rheometry Lower Geometry Holder

ARES-G2 Pressure Cell

402818.901	ARES-G2 High Sensitivity Pressure Cell <i>Note: Requires Advanced Peltier System P/N: 402500.901.</i>
402817.901	Vane rotor for DHR & ARES-G2 High Sensitivity Pressure Cell (HSPC) <i>Note: Requires DHR or ARES-G2 High Sensitivity Pressure Cell - DHR P/N: 547050.901 or ARES-G2 P/N: 402818.901.</i>

ARES - CLASSIC ONLY (includes ARES, ARES-LS1, ARES-LS2, ARES-RDA, ARES-RFS, and ARES-HT)

708.01442	ARES Optical Parallel Plate for OAM: includes 38.1 mm upper and lower glass parallel plates
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ARES-G2 with FCO

RUBBER TESTING

RPA flex Options

471200.901	Stress Relaxation Option for RPA flex
471200.902	Frequency Sweep Option for RPA flex
471200.903	Strain Sweep and LAOS Option for RPA flex
471200.904	Non-Linearity Measurement Option for RPA flex
471200.905	Advanced Oscillation Option for RPA flex
474301.901	Variable Die Closing Pressure Option for RPA flex

MV one Options

473200.901	Large Mooney MV one Viscometer Rotor (D = 38.1 mm)
473210.901	Small Mooney MV one Viscometer Rotor (D = 30.48 mm)

Sample Cutters

474600.901	RPA and MDR Volumetric Sample Cutter
474700.901	Mooney Volumetric Sample Cutter

Automated Hardness/Density Tester

474100.901	Automated Hardness Tester
474200.901	Automated Density Tester

Automated Hardness/Density Tester Options

474253.001	20 Sample Magazine
474253.002	30 Sample Magazine

System Options/Accessories

474300.901	Air Cooling System
474320.901	Torque Standard (TA Instruments Certified Torque Standard for Calibrating RPA and MDR Instruments)
474362.901	Butyl testing material - RPA/MDR (pkg. of 6)
474361.901	Butyl testing material - Mooney (pkg. of 6)
474340.901	Standard Die Seal (pkg. of 10) (for use with MDR instruments only)
474350.901	Long-Life Die Seal (pkg. of 10) (for use with RPA and MDR instruments)
474370.901	Mooney Lower Die O-Rings (pkg. of 10) (for use in the MV one Mooney Viscometer)
202889.001	Die/Rotor Cleaning Brush
202890.001	Die/Rotor Metal Cleaning Pick
202891.001	Film Roll - Polyester
202891.002	Film Sheets - Polyester (pkg. of 1000)

202891.003	Film Roll - Polyamide
202891.008	Film Sheets - Polyamide (pkg. of 1000)
202928.131	Gloves - High Temperature
202928.100	Fan Filter (pkg. of 5)
470505.901	Autoloader Clamp Bar Pads (includes set of 10 gaskets, wrench, and Allen key)

Scarabeus Software Options

471201.901	Scarabeus Quality Systems (SQS) Software
471202.001	Scarabeus Quality Systems (SQS) Software for Accessories
202928.183	Five-User SQL Database Workgroup License
202928.184	Six-User Expandable SQL Database Hardware Server License <i>Note: Requires Hardware Server operating Windows Server version provided by the customer.</i>
202928.227	Six-User Add-On SQL Database Server License <i>Note: Requires SQL Database Hardware Server License (P/N: 202928.184, P/N 202928.225, or P/N 202928.226).</i>
202928.185	Unlimited-User 5GB SQL Database Virtual Server License
202928.225	Ten-User Expandable SQL Database Server License <i>Note: Requires Hardware Server operating Windows Server version to be provided by the customer.</i>
202928.186	Ten-User Add-On SQL Database Hardware Server License <i>Note: Requires SQL Database Hardware Server License (P/N: 202928.184, P/N 202928.225, or P/N 202928.226).</i>
202928.226	Twenty-User Expandable SQL Database Server License <i>Note: Requires Hardware Server operating Windows Server version to be provided by the customer.</i>
202928.228	Twenty-User Add-On SQL Database Server License <i>Note: Requires SQL Database Hardware Server License (P/N: 202928.184, P/N 202928.225, or P/N 202928.226).</i>



RSA-G2 & DMA 850

RSA-G2 Temperature Options

401892.901	RSA-G2 Forced Convection Oven FCO
401711.901	ARES-G2 and RSA-G2 FCO Camera
401041.901	ARES-G2, RSA-G2 and DMA 3200 FCO LN2 Controller Option
405001.901	ACS-2 Air Chiller System (220-230VAC; 60Hz) <i>Note: Requires ARES-G2 & RSA-G2 FCO Air Chiller Panel (P/N: 404041.901) for operation.</i>
405001.902	ACS-2 Air Chiller System (220-230VAC; 50Hz) <i>Note: Requires ARES-G2 & RSA-G2 FCO Air Chiller Panel (P/N: 404041.901) for operation.</i>
405000.901	ACS-3 Air Chiller System (220-230VAC; 60Hz) <i>Note: Requires ARES-G2 & RSA-G2 FCO Air Chiller Panel (P/N: 404041.901) for operation.</i>
405000.902	ACS-3 Air Chiller System (220-230VAC/50Hz) <i>Note: Requires ARES-G2 & RSA-G2 FCO Air Chiller Panel (P/N: 404041.901) for operation.</i>
404041.901	ARES-G2, RSA-G2, & DMA 3200 FCO Air Chiller Panel (for use with ACS-2 and ACS-3 Air Chiller Systems)
401798.901	ARES/RSA3 to ARES-G2/RSA-G2 LN2 Upgrade Kit

RSA-G2 and RSA III Geometries

708.01456	RSA-G2 and DMA 3200 3-Point Bending Geometry
708.01446	RSA-G2 and DMA 3200 Cantilever Bending Geometry
708.01455	RSA-G2 and DMA 3200 Film / Fiber Geometry
708.01464	RSA-G2 and DMA 3200 Parallel Plate Compression Geometry
708.01466.1	8 mm diameter Plates for RSA-G2 and DMA 3200 Compression Geometry
708.01466.2	15 mm diameter Plates for RSA-G2 and DMA 3200 Compression Geometry
708.01466.3	25 mm diameter Plates for RSA-G2 and DMA 3200 Compression Geometry
708.01461	RSA-G2 and DMA 3200 Shear Sandwich Geometry
708.01465	RSA-G2 Contact Lens Geometry Probe and Lens Holder
402198.901	RSA Immersion Geometry and Installation Kit <i>Note 1: Includes Tension and 15 mm diameter Compression Fixtures. Also includes 10 mm, 15 mm, and 20 mm 3-point bending fixtures. Compatible with the RSA-G2 and the RSA III.</i> <i>Note 2: Use with the RSA III also requires the RSA III Immersion Tool Installation Kit (P/N: 402724.901), available separately (requires installation by a TA Instruments Service Engineer, priced separately).</i>
402724.901	RSA III Immersion Tool Installation Kit <i>Note: Installation kit necessary for updating the RSA III FCO when using the RSA Immersion Geometry (P/N: 402198.901). This kit requires installation by a TA Instruments Service Engineer, priced separately.</i>

Miscellaneous Accessories

251471.002	DSL Router with 4-Port Switch (for communication between an external controller and Thermal and Rheology instruments)
203599.901	Universal AC adapter kit for DSL Router
700.02657.2	ARES, RSA, and TAM Air Dryer

RSA-G2 DETA: Dielectric Thermal Analysis Options

402551.901	ARES-G2 and RSA-G2 DETA Accessory Kit (LCR Meter not included): <i>Note: Requires two RSA-G2 25 mm DETA Geometries (P/N: 402614.901) and customer-supplied Keysight E4980A LCR Meter (P/N: 613.04946), or Keysight E4980AL LCR Meter (P/N: 203330.001).</i>
402614.901	RSA-G2 25 mm DETA Geometry: for use with the RSA-G2 DETA option (P/N: 402551.901)
404005.901	RSA-G2, Disposable DETA Geometry: for use with the RSA-G2 DETA option (P/N: 402551.901)
613.04946	Keysight E4980A LCR Meter for ARES-G2 and RSA-G2 DETA: frequency range: 20Hz. to 2MHz.; AC test signal (potential) 0.005 to 20 Volts (115/230VAC; 50/60Hz)
203330.001	Keysight E4980AL-102 LCR Meter for ARES-G2, RSA-G2, and DHR DETA: frequency range: 20Hz to 1MHz; AC test signal (potential) 0.001 to 2 Volts (115/230VAC; 50/60Hz)

DMA 850 Accessories

986320.901	DMA 850 Filter/Regulator
986012.901	Discovery DMA 850 Standard Furnace
985700.901	DMA-RH (Relative Humidity) Accessory for DMA 850 & Q800
986345.901	DMA-RH DMA 850 Adapter
991600.901	Gas Cooling Accessory - Auto Tank Fill (for cooling to -150 °C)
986350.901	Air Compressor Accessory (ACA) for DMA 850
986018.901	Accessory Kit, DMA 850 (supplied with the DMA 850 module)
251471.002	DSL Router with 4-Port Switch
405001.901	ACS-2 Air Chiller System (220-230VAC; 60Hz) <i>Note: Requires DMA 850 & Q800 Air Chiller Panel (P/N: 986400.901) for operation.</i>
405001.902	ACS-2 Air Chiller System (220-230VAC; 50Hz) <i>Note: Requires DMA 850 & Q800 Air Chiller Panel (P/N: 986400.901) for operation.</i>
405000.901	ACS-3 Air Chiller System (220-230VAC; 60Hz) <i>Note: Requires DMA 850 & Q800 Air Chiller Panel (P/N: 986400.901) for operation.</i>
405000.902	ACS-3 Air Chiller System (220-230VAC; 50Hz) <i>Note: Requires DMA 850 & Q800 Air Chiller Panel (P/N: 986400.901) for operation.</i>
986400.901	DMA 850/Q800 DMA Air Chiller Panel (for use with ACS-2 and ACS-3 Air Chiller Systems)
986310.901	Nitrogen Purge Cooler

DMA 850 & Q800 Clamp Kits

984048.901	8 mm Single/Dual Cantilever Clamp Kit
984047.901	20 mm Single/Dual Cantilever Clamp Kit
984015.901	35 mm Single / Dual Cantilever Kit for DMA 850 & Q800
984026.901	3-point Bending Clamp Kit (5, 10, and 15 mm lengths)
984014.901	3-Point Bending Kit (20 and 50 mm) for DMA 850 & Q800
986270.901	Parallel Plate Compression Kit for DMA 850 & Q800
984022.901	Penetration Clamp Kit
986252.901	Film/Fiber Tension Kit DMA 850 / Q800 (Dual Screw Design, Mk III)
985016.901	Film/Fiber Tension Kit DMA 850 / Q800 (Single Screw Design, Mk II)
984023.901	Specialty Fiber Tension Clamp Kit
984017.901	Shear Sandwich Clamp Kit
986260.901	Submersion Compression Clamp Kit for DMA 850
986261.901	Submersion Film / Fiber Tension Kit for DMA 850
986262.901	Submersion 3-Point Bending Clamp Kit for DMA 850
985069.901	3-point Bending Clamp Kit (50 mm, low friction)
985070.901	3-point Bending Clamp Kit (20 mm, low friction)
984486.901	Film Cutting Kit
985164.901	Powder Kit (for use with 35 mm Cantilever Clamp Kit P/N: 984015.901)
985018.901	DMA-RH Accessory Clamp Kit for DMA 850 & Q800: specifically for use with the DMA-RH accessory - kit includes clamp components for 10 mm 3-pt bending, penetration, and 15 mm compression clamps.



DMA 850 with RH Accessory

DMA 850 & Q800 Replacement Parts

259508.000	Brass Tweezers
270962.002	Telescoping Gauge (for 17 mm single cantilever clamps)
984370.901	Furnace Inlet Ferrule/Spring Kit (pkg. of 5)
270976.002	Filter/Regulator with Auto Drain
270975.001	Filter Replacement, Auto Drain Regulator
985078.001	Dual Cantilever Clamp Screen
985078.002	Film/Fiber Tension Clamp Screen
985052.901	Thermocouple Baffle
985098.901	Q800 Submersion Clamp Thermocouple <i>Note: Required for customers who intend to use a DMA 850 submersion clamp kit with their Q800. Requires service engineer installation (quoted separately).</i>
986325.901	DMA 850 Submersion Clamp Thermocouple <i>Note: Required for customers who intend to use an existing Q800 submersion clamp kit with their new DMA 850. Requires service engineer installation (quoted separately).</i>
985011.901	Accessory Kit, Q800 DMA (supplied with the Q800 DMA module)

DMA 850 & Q800 Calibration and Test Materials

900902.901	Indium Temperature Calibration Sample
900907.901	Zinc Temperature Calibration Sample
984310.901	Indium Wire, Film/Fiber Temperature Calibration (38 mm length) (pkg. of 10)
980228.902	Glass Support Cloth (0.2 mm thick, 33 m length)
982161.902	ABS Sample (3.18 mm thick, 61 mm length) (pkg. of 5)
982161.903	ABS Sample (3.18 mm thick, 36 mm length) (pkg. of 5)
982165.902	Polycarbonate Sample (1.6 mm thick, 60 mm length) (pkg. of 5)
982165.903	Polycarbonate Sample (1.6 mm thick, 36 mm length) (pkg. of 5)
982165.904	Polycarbonate Sample (0.79 mm thick, 36 mm length) (pkg. of 5)
984309.901	Polyethylene Terephthalate (PET) Film (38 mm length) (pkg. of 10)
984313.901	PET Fiber (910 mm length)
984308.001	DMA Calibration Standard 0.005 inch thick
984308.002	DMA Calibration Standard 0.010 inch thick
984308.003	DMA Calibration Standard 0.020 inch thick
984308.004	DMA Calibration Standard 0.030 inch thick
982166.003	Compliance Sample - Dual Cantilever
982166.004	Compliance Sample - Single Cantilever
984331.901	Film/Fiber Tension Clamp Calibration Kit

MICROCALORIMETRY - TAM SYSTEMS

Precision Solution

611223.901	SolCal Batch Accessory, 100 mL
611224.901	Glass Cover slips, Box
611225.901	O-ring Viton for upper assembly (pkg. of 2)
611226.901	O-ring Viton for lower assembly, 12 mm (pkg. of 6)

TAM IV/III Thermostat and Calorimeter Accessories

700.02657.2	Air Dryer for ARES, RSA, and TAM
320101	Lifting Tool, Nanocalorimeter
320140	Lifting Tool, Nanocalorimeter, for Heat Seal Ampoule
320601	Lifting Tool, Minicalorimeter
320640	Lifting Tool, Minicalorimeter, for Heat Seal Ampoule
614106.901	Pressure Release Lifter, Start-up Kit, 3 mL, TAM, (pkg. of 3)
614107.901	Pressure Release Lifter, Start-up Kit, 4 mL, TAM, (pkg. of 3)
614108.901	Pressure Release Lifter, 3 mL disposable glass ampoules, TAM, (pkg. of 3)
614109.901	Pressure Release Lifter, 4 mL disposable glass ampoules, TAM, (pkg. of 3)
604931.901	Battery Lifting Tool, 20 mL Calorimeter
322001	Lifting Tool, 20 mL Calorimeter
604226.901	Lifting Tool, Macrocalorimeter
604227.901	Macrocalorimeter Battery Lifter
611085.901	Low Temperature Kit for TAM IV
614152.901	Lifting Tool, MicroXL
614144.001	O-ring to MicroXL Lifting Tool
614145.001	O-ring to Electrical Connector of MicroXL Lifting Tool

TAM Air Thermostat Accessories

323906	TAM Air Lifting Tool
311407	TAM Air Top Lid (pkg. of 1): two lids required for each channel of the TAM Air Thermostat
605111.001	TAM Air Top Lid Plug 100 mL (pkg. of 1)

TAM Air Ampoules and Accessories 20 mL

2606-21	Start-Up Kit, Disposable Glass Ampoules, 20 mL
24.60.2001	Ampoule, Glass, Disposable, 20 mL (pkg. of 113)
86.33.2000	Aluminum Caps, Sealing Discs, Glass Ampoules, 20 mL (pkg. of 100)
2461-020	Centering Tool, Disposable Glass Ampoule, 20 mL
202255.002	Decapper Tool (20 mm): a decapping tool for the 20 mL disposable glass ampoules (P/N: 24.26.2001) used in the TAM and the TAM Air
2421-010	Lifting Eyelet, Glass Ampoules, 4 and 20 mL

2462-000	Cap Crimping Tool, Glass Ampoules, 20 mL
334601	Lifting Eyelet for HDPE Plastic Ampoules, 20 mL (pkg. of 1)
3346-5	HDPE Plastic Ampoules, 20 mL, with Screw-Cap (pkg. of 1000) (Temperature range: 5 °C to 50 °C)
3455	TAM Air, Admix Ampoule, 20 mL, without Motor
3456-3	TAM Air, Admix Ampoule, 20 mL, with Motor (115/230VAC, 50/60Hz)
345630	Stirrer, Disposable, 20 mL, for Admix Ampoule (pkg. of 50)
345622	Syringe, for use with the Admix Ampoule
345623	Injection Needle, for use with the Admix Ampoule

TAM Air Ampoules and Accessories 125 mL

605160.901	TAM Air, Start-Up Kit, 125 mL Disposable Glass Ampoule
604579.901	TAM Air, Start-Up Kit, 125 mL Disposable Glass Ampoules for Wet Samples
604580.901	Metal Lid for 125 mL Polished Glass Ampoule
604736.901	Polished Glass Ampoules for Wet Samples, 125 mL (pkg. of 20)
604589.901	O-Ring for Metal Lid for 125 mL Polished Glass Ampoule (pkg. of 2)
604334.901	125 mL Glass Ampoule (pkg. of 20)
604331.901	Lifting Hook for 125 mL Glass Ampoule (pkg. of 1): for use with the Glass Ampoule, 125 mL (P/N: 604334.901)
604329.901	Macrocalorimeter, 18650 Battery Adapter Kit
604353.901	C-Cell Battery Adapter Kit
604352.901	D-Cell Battery Adapter Kit

Static Ampoules 4 mL Calorimeters

2277-301.3	Ampoule, Hastelloy, 4 mL, with Threaded Cap (pkg. of 2)
2277-301	Ampoule, Stainless Steel, 4 mL, with Threaded Cap (pkg. of 2)
2277-302	Ampoules, Glass, Disposable, 3 mL, Start-Up Kit
24.20.0401	Ampoules, Glass, Disposable, 4 mL (pkg. of 485)
614217.901	Ampoules, Glass, Disposable, 3 mL (pkg. of 485)
2502-11	Ampoule, Glass, 1 mL, with Circlip Cap (pkg. of 1)
2502-12	Ampoule, Hastelloy, 1 mL, with Circlip Cap (pkg. of 1)
2502-10	Ampoule, Stainless Steel, 1 mL, with Circlip Cap (pkg. of 1)
2502-41	Ampoule, Glass, 4 mL, with Circlip Cap (pkg. of 1)
3323	Ampoule, Glass 4 mL with Hastelloy Circlip Cap (pkg. of 1)
2502-42	Ampoule, Hastelloy, 4 mL, with Circlip Cap (pkg. of 1)
3320	Ampoule, Hastelloy, 4 mL, with Thread/O-Ring Cap (pkg. of 1)
2502-40	Ampoule, Stainless Steel, 4 mL, with Circlip Cap (pkg. of 1)
3320-1	Ampoule, Stainless Steel, 4 mL, with Thread/O-Ring Cap (pkg. of 1)
3325	Ampoules, Heat Seal, 5 mL (pkg. of 324)
3330-4	Start-Up Kit, 4 mL (with 12 Eyelets)

3330-3	Start-Up Kit, 4 mL (with 50 Eyelets)
86.33.0400	Aluminum Caps, Sealing Discs, Glass Ampoules, 3 and 4 mL (pkg. of 100)
614100.901	Open Top Lids, 13 mm Aluminum, 3 and 4 mL Pressure Release Lifters, TAM, (pkg. of 100)

Consumables and Accessories 4 mL Calorimeters

2421-020	Centering Tool, Disposable Glass Ampoule, 4 mL
202255.001	Decapper Tool (11 mm): a decapping tool for the 3 and 4 mL disposable glass ampoules (P/N: 95.53.1015 and P/N: 24.20.0401) used in the TAM
614098.001	Vial Decapper, 3 and 4 mL Pressure Release Lifters, TAM, (pkg. of 1)
2422-000	Cap Adjustment Tool
2421-032	Hygrostat, Micro, 0.2 mL (pkg. of 100)
2421-033	Hygrostat, Micro, 0.2 mL with height spring (pkg. of 100)
2252-460	Lifting Eyelet, Ampoule, 1 mL
2421-060	Lifting Eyelet, Ampoules, Glass, 3 mL
2421-010	Lifting Eyelet, Ampoules, Glass, 4 and 20 mL
2250-420	Ampoule Seal, PTFE, 1 and 4 mL (pkg. of 5)
2277-305	Seal Discs, PTFE, 4 mL, Threaded Cap (pkg. of 100)
3339	Cap, Crimping Tool, Ampoules, 3 and 4 mL
2277-315	Clamping Tool with Safety Lock
604877.901	Circlip Ampoule Lid Complete, 4 mL
84.25.1201	Circlip, 12 mm (pkg. of 1) (for Circlip Ampoule)
84.39.1001.1	O-Ring, 10.4 x 1.0 mm Nitrile (pkg. of 1) (for Circlip Ampoule)
84.39.1001.2	O-Ring, 10.4 x 1.0 mm EPDM (pkg. of 1) (for Circlip Ampoule)
84.39.1001.3	O-Ring, 10.4 x 1.0 mm Viton (pkg. of 1) (for Circlip Ampoule)
84.39.1001.4	O-Ring, 10.4 x 1.0 mm Kalrez (pkg. of 1) (for Circlip Ampoule)
2277-307	Steel Ampoule Key: a locking tool to facilitate the sealing of 4 mL threaded cap ampoules (P/N: 2277-301 and P/N: 2277-301.3)

Static Ampoules 20 mL Calorimeters

2602-21	Ampoule, Glass, 20 mL, with Circlip Cap (pkg. of 1)
24.60.2001	Ampoule, Glass, Disposable, 20 mL (pkg. of 113)
3343	Ampoule, Glass/Hastelloy, 20 mL, with Hastelloy Circlip Cap (pkg. of 1)
2602-22	Ampoule, Hastelloy, 20 mL, with Circlip Cap (pkg. of 1)
2277-309	Ampoule, Stainless Steel, 20 mL, with Threaded Cap (pkg. of 1)
3340-1	Ampoule, Stainless Steel, 20 mL, with Threaded O-Ring Cap
2602-20	Ampoule, Stainless Steel, 20 mL, with Circlip Cap (pkg. of 1)
2606-21	Start-Up Kit, Disposable Glass Ampoules, 20 mL
86.33.2000	Aluminum Caps, Sealing Discs, Glass Ampoules, 20 mL (pkg. of 100)
604951.901	Battery Ampoule, Stainless Steel, 20 mL, Circlip

Consumables and Accessories 20 mL Calorimeters

2461-020	Centering Tool, Disposable Glass Ampoule, 20 mL
202255.002	Decapper Tool (20 mm): a decapping tool for the 20 mL disposable glass ampoules (P/N: 24.26.2001) used in the TAM and the TAM Air
2254-420	Ampoule Seal, PTFE, 20 mL (pkg. of 5)
2277-312	PTFE Seal Discs, Threaded Cap, 20 mL (pkg. of 50)
2277-315	Clamping Tool with Safety Lock
2421-010	Lifting Eyelet, Glass Ampoules, 4 and 20 mL
2462-000	Cap Crimping Tool, Glass Ampoules, 20 mL
604878.901	Circlip Ampoule Lid Complete, 20 mL
84.25.2501	Circlip, 25 mm (pkg. of 1) (for Circlip Ampoule)
84.39.2201.1	O-Ring, 22.1 x 1.6 mm Nitrile (pkg. of 1) (for Circlip Ampoule)
84.39.2201.2	O-Ring, 22.1 x 1.6 mm EPDM (pkg. of 1) (for Circlip Ampoule)
84.39.2201.3	O-Ring, 22.1 x 1.6 mm Viton (pkg. of 1) (for Circlip Ampoule)
84.39.2201.4	O-Ring, 22.1 x 1.6 mm Kalrez (pkg. of 1) (for Circlip Ampoule)

Ampoules, Consumables, and Accessories Macrocalorimeter

604328.901	Start-Up Kit Glass Ampoule for the Macrocalorimeter
604334.901	125 mL Glass Ampoule (pkg. of 20)
604331.901	Lifting Hook for 125 mL Glass Ampoule (pkg. of 1): for use with the Glass Ampoule, 125 mL (P/N: 604334.901)
604329.901	Macrocalorimeter, 18650 Battery Adapter Kit
604353.901	C-Cell Battery Adapter Kit
604352.901	D-Cell Battery Adapter Kit
604562.901	125 mL Stainless Steel Ampoule
604584.001	Circlip Plier for 125 mL Stainless Steel Ampoule
604565.001	Viton O-Ring for 125 mL Stainless Steel Ampoule (pkg. of 1)
604563.001	Circlip Ring for 125 mL Stainless Steel Ampoule (pkg. of 1)
604580.901	Metal Lid for 125 mL Polished Glass Ampoule
604736.901	125 mL Polished Glass Ampoules for Wet Samples (pkg. of 20)
604589.901	O-Ring for Metal Lid for 125 mL Polished Glass Ampoule (pkg. of 2)

Ampoules and Consumables Solution Calorimeter

2225-130	Reaction Vessel, Glass, 25 mL, with Bridge Plugs
2225-110	Reaction Vessel, Glass, 100 mL, with Bridge Plugs
2226-130	Titration Vessel, Glass, 25 mL, with Bridge Plugs
2226-110	Titration Vessel, Glass, 100 mL, with Bridge Plugs
22.25.16XX	Bridge Plug, Temperature XX °C (XX = desired isothermal temperature (15 °C up to 80 °C), specify when ordering) (example part number for 15 °C: 22.25.1615)
2225-150	Crushing Ampoules, 1 mL, with Stopper (pkg. of 50)

2225-152	Crushing Ampoules, 1 mL, Heat Seal with Filling Tube 2 mm
22.25.0190K	Stirrer, 18 K Gold, 25 mL
22.25.0190	Stirrer, 18 K Gold, 100 mL
604890.001	O-Ring for SolCal in Kalrez
611223.901	SolCal Batch Accessory, 100 mL
611224.901	Glass Cover slips, Box
611225.901	O-ring Viton for upper assembly (pkg. of 2)
611226.901	O-ring Viton for lower assembly, 12 mm (pkg. of 6)

Consumables and Accessories 1 mL/4 mL Micro Reaction Systems

22.50.1200	Shaft, Complete, Perfusion, 1 and 4 mL
22.50.1200.3	Shaft, Complete, Perfusion, Hastelloy, 1 and 4 mL
22.50.1230.1	Shaft, Lower, Perfusion, 18K Gold, 4 mL
604056.901	Shaft, Complete, Stainless Steel, Titration, 1 mL Titration Ampoule (P/N: 3410-1)
604061.901	Shaft, Complete, Hastelloy, for 1 mL Titration Ampoule (P/N: 3410)
611177.901	Shaft, Complete, Titration, 18K Gold, 1 mL, Titration Ampoule (P/N: 3410-1)
22.51.1200	Shaft, Complete, Titration, 1 and 4 mL
22.51.1200.1	Shaft, Complete, Titration, 18K Gold, 1 and 4 mL
22.51.1200.3	Shaft, Complete, Titration, Hastelloy, 1 and 4 mL
22.51.1230.1	Shaft, Lower, Titration, 18K Gold, 4 mL
2250-420	Ampoule Seal, PTFE, 1 and 4 mL (pkg. of 5)
2250-452	Reaction Vessel, Glass, 4 mL
2250-453	Reaction Vessel, Hastelloy, 4 mL
2250-450	Reaction Vessel, Stainless Steel, 4 mL
2250-500	Stirrer, Turbine, Kel-F, 4 mL
2250-502	Stirrer, Turbine, Kel-F with 18K Gold Shaft, 4 mL
2250-503	Stirrer, Turbine, Hastelloy, 4 mL
2250-501	Stirrer, Turbine, Stainless Steel, 4 mL
2250-510	Stirrer, Paddle, 18K Gold, 4 mL
2250-520	Propeller, 18K Gold, 4 mL
604295.901	Secondary Propeller, Gold, 4 mL (for use with P/N: 2250-520 Propeller, 18K Gold, 4 mL)
604425.901	Stirrer, Double Propeller, Gold, 4 mL
2252-452	Reaction Vessel, Glass, 1 mL
2252-453	Reaction Vessel, Hastelloy, 1 mL
2252-450	Reaction Vessel, Stainless Steel, 1 mL
2252-511	Stirrer, Propeller, 18K Gold, 1 mL
340151	Propeller, Hastelloy, 1 mL
2252-530	Stirrer, Turbine, Kel-F, 1 mL
3520	Stirrer Holder for Glass Plates (with pkg. of 10 Glass Plates)

2256-510	Cell Culture Glasses (pkg. of 10)
2256-520	Matrix Cartridge
84.25.1201	Circlip, 12 mm (pkg. of 1) (for Circlip Ampoule)
84.39.1001.1	O-Ring, 10.4 x 1.0 mm Nitrile (pkg. of 1) (for Circlip Ampoule)
84.39.1001.2	O-Ring, 10.4 x 1.0 mm EDPM (pkg. of 1) (for Circlip Ampoule)
84.39.1001.3	O-Ring, 10.4 x 1.0 mm Viton (pkg. of 1) (for Circlip Ampoule)
84.39.1001.4	O-Ring, 10.4 x 1.0 mm Kalrez (pkg. of 1) (for Circlip Ampoule)
22.50.6000	Rubber Stopper for Titration Ampoule
604769.901	Cannula, Disposable (0.8 x 80 mm)
604771.901	MRS Reaction Vessel Circlip Plier
22.50.0500	Perfusion Tubing Complete
22.55.2110	Blind Plug RH Perfusion Ampoule (pkg. of 1)
605240.901	Gas Perfusion Insert
2251-990	Titration Preparation Kit

Consumables and Accessories 20 mL Micro Reaction Systems

22.54.1230.1	Shaft, Lower, Perfusion, 18K Gold, 20 mL
22.54.1231.1	Shaft, Lower, Titration, 18K Gold, 20 mL
22.64.1200	Shaft, Complete, Perfusion, 20 mL
22.64.1200.3	Shaft, Complete, Perfusion, Hastelloy, 20 mL
22.64.1201	Shaft, Complete, Titration, 20 mL
22.64.1201.3	Shaft, Complete, Titration, Hastelloy, 20 mL
345600.12	Shaft, Complete, Micro Solution Ampoule, TAM III & TAM IV
2254-420	Ampoule Seal, PTFE, 20 mL (pkg. of 5)
2254-452	Reaction Vessel, Glass, 20 mL
334305	Reaction Vessel, Glass/Hastelloy, 20 mL
2254-453	Reaction Vessel, Hastelloy, 20 mL
2254-450	Reaction Vessel, Stainless Steel, 20 mL
2265-650	Stirrer, Stainless Steel Turbine/Gold Propeller (used with 20 mL Microsolution Ampoule)
2254-503	Stirrer, Turbine, Hastelloy, 20 mL
2254-500	Stirrer, Turbine, PEEK, 20 mL
2254-510	Stirrer, Paddle, 18K Gold, 20 mL
2254-511	Stirrer, Paddle, Stainless Steel, 20 mL
2265-621	Sample Cartridge, 20 µL, Channel 1
2265-622	Sample Cartridge, 20 µL, Channel 2
2265-623	Sample Cartridge, 20 µL, Channel 3
2265-641	Sample Cartridge, 40 µL, Channel 1
2265-642	Sample Cartridge, 40 µL, Channel 2
2265-643	Sample Cartridge, 40 µL, Channel 3
22.65.9011	Loading Tube, Cartridge, 20 µL

22.65.9010	Loading Tube, Cartridge, 40 µL
22.65.9000	Loading Tool
84.25.2501	Circlip 25 mm (pkg. of 1) (for Circlip Ampoule)
84.33.0503	Blind Plug (pkg. of 1)
22.55.2110	Blind Plug RH Perfusion Ampoule (pkg. of 1)
84.39.2201.1	O-Ring, 22.1 x 1.6 mm Nitrile (pkg. of 1) (for Circlip Ampoule)
84.39.2201.2	O-Ring, 22.1 x 1.6 mm EPDM (pkg. of 1) (for Circlip Ampoule)
84.39.2201.3	O-Ring, 22.1 x 1.6 mm Viton (pkg. of 1) (for Circlip Ampoule)
84.39.2201.4	O-Ring, 22.1 x 1.6 mm Kalrez (pkg. of 1) (for Circlip Ampoule)
84.39.0111.4	O-Ring, 1.15 x 1.0 mm Kalrez (pkg. of 1)
22.50.0500	Perfusion Tubing Complete
2251-990	Titration Preparation Kit

Micro Reaction Pressure Systems

322820	Evacuation Station
322821	Extension Cable for use with the 4 mL or 20 mL Vacuum/Pressure Ampoules
3348-1	Ampoule, High Pressure, 20 mL (designed to hold pressures up to 10 bar)
334804	Sintered Filters, 20 µM, used with 4 mL and 20 mL Vacuum/Pressure Ampoules

TAM IV/III Auxiliary Equipment

6310-003	Power Supply Stirrer 1 (115/230VAC; 50/60Hz)
6311-003	Power Supply Stirrer 2 (115/230VAC; 50/60Hz)
3820	Heat Sealer
604202.001	Digital Block Heater 110V (accepts the 4 mL, 20 mL, and 100 mL Block Inserts)
604201.001	Digital Block Heater 220V (accepts the 4 mL, 20 mL, and 100 mL Block Inserts)
604187.001	Block Insert, 4 mL (used with Digital Block Heater 110VAC (P/N: 604202.001) or Digital Block Heater 220VAC (P/N: 604201.001))
604203.001	Block Insert, 20 mL (used with Digital Block Heater 110VAC (P/N: 604202.001) or Digital Block Heater 220VAC (P/N: 604201.001))
604939.901	Block Insert, 100 mL

Auxiliary Equipment Consumables and Accessories

604650.001	Syringe, 1 mL with Removable Needle
6140-017	Syringe, 2.5 mL with Cannula, 18K Gold
6140-016	Syringe, 2.5 mL with Cannula, Stainless Steel
604647.001	Syringe, 100 µL with Removable Needle
604648.001	Syringe, 250 µL with Removable Needle
604649.001	Syringe, 500 µL with Removable Needle

604768.901	Cannula for Removable Syringes in Gold 28 GA
604767.901	Cannula for Removable Syringes in Stainless Steel 28 GA
604997.901	Cannula for Removable Syringes in Stainless Steel 24 GA
6141-044	Tubing for Peristaltic pump, grey (pkg. of 6)
611198.001	Tubing for Peristaltic Pump, red (pkg. of 6)



Nanocalorimeter

4 mL
Multicalorimeter

Microcalorimeter



20 mL
Multicalorimeter

Micro XL

Macrocalorimeter

MICROCALORIMETRY - NANO SYSTEMS

Nano DSC System Accessories and Consumables

602000.921	Nano DSC Capillary Cell Accessory Kit
6300-11	Nano DSC Cylindrical Cell Accessory Kit
602198.901	Nano Differential Scanning Calorimeter (Nano DSC) Test Kit (contains water sample, glycine sample buffer, and lysozyme sample)
6326	Complete Degassing Station (110/230VAC; 50/60Hz)
601800.901	Cell Cleaning Station
601829.901	Cleaning Station Accessory Kit
99552110	Clear Plastic Vacuum Dome (for Complete Degassing Station (P/N: 6326))
603028	Vacuum Connection Hose Assembly (for Complete Degassing Station (P/N: 6326))
603050.901	96-well Plate Adapter for Degassing Station
6111	Vinyl Caps (pkg. of 20) (for Capillary Cell) (recommended capillary cell consumable spare)
6312	Pressure Cap O-Ring (pkg. of 2) (recommended capillary cell consumable spare)
6313	Pressure Cap
6114	Tubing, Monosil, 3 feet (pkg. of 2) (recommended capillary cell consumable spare)
6115	Micropipetter (500 - 2500 µL) for Capillary Cell
6116	Pipetter Tips, used with Micropipetter (500 - 2500 µL) (P/N: 6115) (pkg. of 100)
6117	Cylindrical Cell Cleaning Tool
6118	O-Ring for Cylindrical Cell Cleaning Tool (pkg. of 4) (recommended cylindrical cell consumable spare)
6119	Syringe, 1 mL (for Cylindrical Cell) (recommended cylindrical cell consumable spare)
6120	Syringe Needle (5 inch) (for Cylindrical Cell) (recommended cylindrical cell consumable spare)
601943.901	Waste Tube for Affinity ITC and Auto NanoDSC
602035.001	AutoSampler Cable External (for connection of the Nano DSC AutoSampler Interface to the Nano DSC Instrument)
602214.901	AutoSampler Cable External (for connection of the Nano DSC AutoSampler Interface (P/N: 602216.901) to the Nano DSC Instrument (P/N: 602000.901))
602067.901	AutoSampler Solvent Inlet Assembly (pkg. of 1)
602068.901	AutoSampler Waste Line Assembly (pkg. of 2)
602069.901	AutoSampler Interface Tubing Assembly (pkg. of 1)
602071.001	96-Deep Well Plate (sample volume = 1.64 mL) (pkg. of 1) (for use with the Nano DSC AutoSampler)

602072.001	Sealing Mat 96-Well (pkg. of 1) (for use with the Nano DSC AutoSampler)
99555610	Cable, USB, 6 Ft. (pkg. of 1) (used to connect the Nano DSC AutoSampler to the computer)

Affinity ITC System - Accessories and Consumables

601800.901	Cell Cleaning Station
601829.901	Cleaning Station Accessory Kit
601700.901	Affinity ITC Auto 96-Well Plate (1.64 mL), (pkg. of 10)
601701.901	Affinity ITC Auto 96-Well Plate (2.0 mL), (pkg. of 10)
601740.901	Affinity ITC LV Accessory Kit (contains parts required for use including loading tools, side arm flask, tweezers, and cleaning adaptor)
601751.901	Affinity ITC SV Accessory Kit (contains parts required for use including loading tools, side arm flask, tweezers, and cleaning adaptor)
601753.901	Affinity ITC Injection Syringe Assembly (250 µL)
5347	Cell Filling Syringe with Needle (0.5 mL) (recommended spare for the Nano ITC Low Volume (190 µL) instrument.) Note: Not recommended for use with the Nano ITC Standard Volume (1 mL) instrument.
5342	Cell Filling Syringe for Nano ITC Standard Volume Instrument (recommended consumable spares)
601942.901	Titration Filling Syringe (0.250 mL) (recommended spare for the Affinity ITC instrument)
601756.901	Affinity ITC LV Injection Cannula
601757.901	Affinity ITC SV Injection Cannula
601675.901	Affinity ITC LV Stirring Paddle Assembly
601676.901	Affinity ITC SV Stirring Paddle Assembly
601758.901	Affinity ITC Sample Load Adapter
601759.901	Affinity ITC Titration Handling Needle
601943.901	Waste Tube for Affinity ITC and Auto NanoDSC
601760.901	Affinity ITC Auto LV Cell Fill/Wash Needle
601761.901	Affinity ITC Auto SV Cell Fill/Wash Needle
601762.901	Affinity ITC Autosampler Sample Loop
601763.901	Affinity ITC Sample Transfer Line Kit

Nano ITC System Accessories and Consumables

601000.921	Nano ITC Low Volume Accessory Kit (contains parts required for use including loading tools, side arm flask, tweezers, and cleaning adaptor)
601001.921	Nano ITC Standard Volume Accessory Kit (contains parts required for use including loading tools, side arm flask, tweezers, and cleaning adaptor)

601863.901	Nano & Affinity ITC Test Kit: contains DDI H ₂ O, Ca ²⁺ and EDTA in 10 mM MES buffer, pH 6.0
99552090	Teflon Coated Stir Rod for 1 mL Conical Vials
99552100	Teflon Coated Round Stir Rod (3 mm x 6.35 mm)
99552102	Teflon Coated Round Stir Rod (8 mm x 25 mm)
73714210	Vacuum Flask, Side Arm, 1000 mL
4801	1L Side-Arm Vacuum Flask Accessory (Glass)
5312	O-Ring for Nano ITC Titration Buret, (pkg. of 2)
5317	Stainless Steel Cleaning Tool (for the Nano ITC Standard Volume (1 mL) Instrument)
601028.901	Stainless Steel Cleaning Tool (for the Nano ITC Low Volume (190 µL) Instrument)
5319	Vacuum Cup Replacement for Cleaning Tool for Titration Cell (P/N: 5317)
5342	Cell Filling Syringe for Nano ITC Standard Volume Instrument (recommended consumable spares)
5343	Filling Syringe Needle for Nano ITC Standard Volume (pkg. of 3) (recommended consumable spares)
5344	Titration Syringe with Needle (100 µL) (recommended spare for the Nano Standard Volume (1 mL) instrument) <i>Note: Not for use with the Nano ITC Low Volume (190 µL) instrument.</i>
5345	Titration Syringe with Needle (250 µL) (recommended spare for the Nano Standard Volume (1 mL) instrument) <i>Note: Not for use with the Nano ITC Low Volume (190 µL) instrument.</i>
305155610	Dummy ITC Needle (for use in the reference cell of the Nano ITC Standard Volume (1 mL) instrument)
601029.901	Dummy ITC Needle (for use in the reference cell of the Nano ITC Low Volume (190 µL) instrument)
5346	Titration Syringe with Needle (50 µL) (recommended spare for Nano ITC Low Volume (190 µL) instrument)
5347	Cell Filling Syringe with Needle (0.5 mL) (recommended spare for the Nano ITC Low Volume (190 µL) instrument) <i>Note: Not recommended for use with the Nano ITC Standard Volume (1 mL) instrument.</i>
5348	Cell Filling Syringe (0.5 mL) (recommended spare for the Nano ITC Low Volume (190 µL) instrument)
5349	Filling Syringe Needle (pkg. of 3) (recommended spare for the Nano ITC Low Volume (190 µL) instrument) <i>Note: Not recommended for the Nano ITC Standard Volume (1 mL) instrument.</i>
601169.901	Nano ITC Standard Buret Handle <i>Note: Not for use with organic solvents.</i>
601220.901	Nano ITC Organic Solvent Buret Handle <i>Note: For use with the Nano ITC when using organic solvents.</i>
601234.901	Nano ITC Buret and Syringe Stand Kit
601221.001	Nano ITC Buret O-Rings (Kalrez), (pkg. of 1)

601277.001	Titration Syringe Plunger, 50 µL
601278.001	Titration Syringe Plunger, 100 µL
601279.001	Titration Syringe Plunger, 250 µL
601274.901	Titration Syringe with Needle, 50 µL (Organic Solvent Compatible)
601275.901	Titration Syringe with Needle, 100 µL (Organic Solvent Compatible)
601276.901	Titration Syringe with Needle, 250 µL (Organic Solvent Compatible)

Multi-Cell DSC System Accessories and Components

600072.901	MC DSC Accessory Kit
600086.001	MC DSC Gas Flow Meter Stand (only for use with MC DSC Gas Flow Meter P/N: 600088.901)
4129	Gas Regulator (0 to 4000 psi/0 to 15 psi) <i>Note: North American use ONLY.</i>
4130	Second User Ampoule Kit, (pkg. of 4)
4128-1	High Capacity Cooling Bath (115VAC)
4128-2	High Capacity Cooling Bath (230VAC)
4171	High Pressure Ampoule Kit for MC DSC, (pkg. of 4)
4175	Batch Mixing Ampoule Kit, (pkg. of 3)
4176	Probe Accessible Cells, (pkg. of 4)
200266.001	RCS Gas Dryer <i>Note: Also for use with the Multi-Cell DSC System.</i>

Cell Cleaning Station



THERMAL CONDUCTIVITY

Thermophysical Parts and Accessories (DXF, DLF, DTC, and FOX Instruments)

Xenon and Laser Flash Parts and Accessories (DXF and DLF)

203818.001	Flash Diffusivity Circulator TCube Edge Model 5A for 500-1600 °C Furnaces
203854.903	TCube Edge Circulating Fluid
202315.001	Vacuum Module for DXF-500/900 & DLF-1200/1600/2800 (includes vacuum pump, thermocouple, and gauge)
202316.001	Graphite Spray Paint (10 oz. can) for DXF/DLF Sample Preparation
202417.001	Graphite Brush-on Paint
853161.901	Silver Paint (1 oz. Vial) for DXF-200 Sample Preparation

Xenon and Laser Flash - Reference Materials

Alumina Reference Materials

853155.001	Alumina Reference 8 mm Square x 3.175 mm Thick
853156.001	Alumina Reference (with data) 10 mm Square x 3.175 mm Thick
853154.001	Alumina Reference (with data) 12.7 mm OD x 3.175 mm Thick

Vespel Reference Materials

853809.901	Vespel Reference (with data) 8 mm Square x 1.27 mm Thick
853810.901	Vespel Reference (with data) 10 mm Square x 1.27 mm Thick
853811.901	Vespel Reference (with data) 12.7 mm Square x 1.27 mm Thick
853813.901	Vespel Reference (with data) 8 mm OD x 1.27 mm Thick
853814.901	Vespel Reference (with data) 10 mm OD x 1.27 mm Thick
853152.901	Vespel Reference (with data) 12.7 mm OD x 1.27 mm Thick
853812.901	Vespel Reference (with data) 25.4 mm OD x 1.27 mm Thick

Electrolytic Iron Reference Materials

853815.901	Electrolytic Iron Reference (with data) 8 mm Square x 2.54 mm Thick
853816.901	Electrolytic Iron Reference (with data) 10 mm Square x 2.54 mm Thick
853817.901	Electrolytic Iron Reference (with data) 12.7 mm Square x 2.54 mm Thick
853818.901	Electrolytic Iron Reference (with data) 8 mm OD x 2.54 mm Thick
853819.901	Electrolytic Iron Reference (with data) 10 mm OD x 2.54 mm Thick
853145.901	Electrolytic Iron Reference (with data) 12.7 mm OD x 2.54 mm Thick
853146.901	Electrolytic Iron Reference (with data) 25.4 mm OD x 2.54 mm Thick

OFHC Copper Reference Materials

853820.901	OFHC Copper Reference (with data) 8 mm Square x 5.08 mm Thick
853821.901	OFHC Copper Reference (with data) 10 mm Square x 5.08 mm Thick
853822.901	OFHC Copper Reference (with data) 12.7 mm Square x 5.08 mm Thick
853824.901	OFHC Copper Reference (with data) 8 mm OD x 5.08 mm Thick
853825.901	OFHC Copper Reference (with data) 10 mm OD x 5.08 mm Thick
853147.901	OFHC Copper Reference (with data) 12.7 mm OD x 5.08 mm Thick
853823.901	OFHC Copper Reference (with data) 25.4 mm OD x 5.08 mm Thick

Molybdenum Reference Materials

853826.901	Molybdenum Reference (with data) 8 mm Square x 3.175 mm Thick
853827.901	Molybdenum Reference (with data) 10 mm Square x 3.175 mm Thick
853828.901	Molybdenum Reference (with data) 12.7 mm Square x 3.175 mm Thick
853830.901	Molybdenum Reference (with data) 8 mm OD x 3.175 mm Thick
853831.901	Molybdenum Reference (with data) 10 mm OD x 3.175 mm Thick
853157.901	Molybdenum Reference (with data) 12.7 mm OD x 3.175 mm Thick
853829.901	Molybdenum Reference (with data) 25.4 mm OD x 3.175 mm Thick

Stainless Steel Reference Materials

853832.901	Stainless Steel Reference (with data) 8 mm Square x 1.58 mm Thick
853833.901	Stainless Steel Reference (with data) 10 mm Square x 1.58 mm Thick
853834.901	Stainless Steel Reference (with data) 12.7 mm Square x 1.58 mm Thick
853835.901	Stainless Steel Reference (with data) 8 mm OD x 1.58 mm Thick
853836.901	Stainless Steel Reference (with data) 10 mm OD x 1.58 mm Thick
853143.901	Stainless Steel Reference (with data) 12.7 mm OD x 1.58 mm Thick
853144.901	Stainless Steel Reference (with data) 25.4 mm OD x 1.58 mm Thick

Thermographite Reference Materials

853805.901	Thermographite Reference (with data) 8 mm Square x 3.175 mm Thick
853137.901	Thermographite Reference (with data) 10 mm Square x 3.175 mm Thick
853139.901	Thermographite Reference (with data) 12.7 mm Square x 3.175 mm Thick
853837.901	Thermographite Reference (with data) 8 mm OD x 3.175 mm Thick
853136.901	Thermographite Reference (with data) 10 mm OD x 3.175 mm Thick
853135.901	Thermographite Reference (with data) 12.7 mm OD x 3.175 mm Thick
853142.901	Thermographite Reference (with data) 25.4 mm OD x 3.175 mm Thick

Xenon and Laser Flash - Sample Holders

DXF-200 Sample Holders

117835.001	Adapter Ring, Aluminum, 25.4 mm Diameter to 8 mm Diameter, DXF-200
119919.001	Adapter Ring, Aluminum, 25.4 mm Diameter to 8 mm Square, DXF-200
119916.001	Adapter Ring, Aluminum, 25.4 mm Diameter to 10 mm Diameter, DXF-200
119918.001	Adapter Ring, Aluminum, 25.4 mm Diameter to 10 mm Square, DXF-200
110133	Adapter Ring, Aluminum, 25.4 mm Diameter to 12.7 mm Diameter, DXF-200
117808.001	Adapter Ring, Aluminum, 25.4 mm Diameter to 12.7 mm Square, DXF-200
853866.901	In-Plane Test Kit, Stainless Steel, 25.4mm OD, DXF-200
853865.901	Liquid/Powder Test Kit, 25.5mm OD, DXF-200 Only (Previously DXF & EM-200) Note: NOT FOR USE WITH DXF-500 OR DXF-900 MODELS.

DXF-500/900 & DLF-1200 Sample Holders

856292.901	Sample Isolator Ring Set, 8 mm OD/SQ, DXF-500/900 & DLF-1200
856293.901	Sample Isolator Ring Set, 10 mm OD/SQ, DXF-500/900 & DLF-1200
853642.901	Sample Isolator Ring Set, 12.7 mm OD/SQ, DXF-500/900 & DLF-1200
856289.901	Sample Holder, Single Block, 4-Position, Mullite, 8 mm OD, DXF500/900 & DLF-1200
856291.901	Sample Holder, Single Block, 4-Position, Mullite, 8 mm SQ, DXF500/900 & DLF-1200
856285.901	Sample Holder, Single Block, 4-Position, Mullite, 10 mm OD, DXF500/900 & DLF-1200
856287.901	Sample Holder, Single Block, 4-Position, Mullite, 10 mm SQ, DXF500/900 & DLF-1200
853698.901	Sample Holder, Single Block, 4-Position, Mullite, 12.7 mm OD DXF500/900 & DLF-1200
856283.901	Sample Holder, Single Block, 4-Position, Mullite, 12.7 mm SQ, DXF500/900 & DLF-1200
853699.901	Sample Holder, Single Block, 2-Position, Mullite, 25.4 mm Diameter, DXF-500/900 & DLF-1200
856298.901	Sample Holder, Single Block, 4-Position, Mullite, 8 mm Diameter, plus Ring, DXF-500/900 & DLF-1200
856298.902	Sample Holder, Single Block, 4-Position, Mullite, 8 mm Square, plus Ring, DXF-500/900 & DLF-1200
856297.901	Sample Holder, Single Block, 4-Position, Mullite, 10 mm Diameter, plus Ring, DXF-500/900 & DLF-1200
856297.902	Sample Holder, Single Block, 4-Position, Mullite, 10 mm Square, plus Ring, DXF-500/900 & DLF-1200
856296.901	Sample Holder, Single Block, 4-Position, Mullite, 12.7 mm Diameter, plus Ring, DXF-500/900 & DLF-1200

856296.902	Sample Holder, Single Block, 4-Position, Mullite, 12.7 mm Square, plus Ring, DXF-500/900 & DLF-1200
856752.901	In-Plane Test Kit, Stainless Steel, 25.4 mm OD, DXF-500/900 & DLF-1200
856744.901	Liquid Sample Test Kit, Stainless Steel, 25.4mm OD, DXF-500/900 & DLF-1200 Note: Max temperature 900°C

EM-1600 Sample Holders

116794.001	Adapter Ring, Molybdenum, 8 mm Diameter, EM-1600
853132.901	Adapter Ring, Molybdenum, 8 mm Square, EM-1600
116791.001	Adapter Ring, Molybdenum, 10 mm Diameter, EM-1600
116795.001	Adapter Ring, Molybdenum, 10 mm Square, EM-1600 (4-position only)
116790.001	Adapter Ring, Molybdenum, 12.7 mm Diameter, EM-1600
856745.901	Liquid Sample Holder Kit - 15.9 mm OD for DLF 1600 Note: NOT compatible with DXF and DLF-1200 models

EM-2800 Sample Holders

116797.001	Adapter Ring, Graphite, 8 mm Diameter, EM-2800
116798.001	Adapter Ring, Graphite, 8 mm Square, EM-2800
116796.001	Adapter Ring, Graphite, 10 mm Diameter, EM-2800

Thermal Conductivity Parts and Accessories (DTC Instruments)

854135.001	Heat Transfer Compound, Jar, DTC-25/DTC-300
854100.901	Paste Cell, 50.8 mm OD, DTC-25/DTC-300
854101.901	Liquid Cell, 50.8 mm OD, DTC-25/DTC-300
854154.901	Liquid Cell Seal Kit (pkg. of 4) (for use in the DTC-300 Thermal Conductivity Meter)
854330.901	Polymer thru the Melt Cell DTC-25/300
854203.901	Spacer Seal Ring Kit for Polymer thru the Melt Cell DTC-25/300 (P/N: 854330.901)

Thermal Conductivity Chiller/Circulator

202610.001	Chiller/Circulator, 6L Reservoir, 120VAC (for use with the DTC-25 Thermal Conductivity Meter)
202611.001	Chiller/Circulator, 6L Reservoir, 240VAC (for use with the DTC-25 Thermal Conductivity Meter)
202612.001	Chiller/Circulator, 13L Reservoir, 120VAC (for use with the DTC-300 Thermal Conductivity Meter)
202442.001	Chiller/Circulator, 13L Reservoir, 240VAC (for use with the DTC-300 Thermal Conductivity Meter)

Thermal Conductivity Stack Modules

854108.901	Stack Module, Low Range, 0.0005 - 0.01 m ² *K/W
854266.901	Stack Module, Mid Range, 0.002 - 0.02 m ² *K/W
854111.901	Stack Module, High Range, 0.01 - 0.05 m ² *K/W

Thermal Conductivity Reference Materials

Thermal Conductivity Reference Material Sets

854325.901	DTC-25/300 Low-Resistance Material Reference Set
854326.901	DTC-300 Mid-Resistance Reference Material Set
854327.901	DTC-300 High-Resistance Reference Material Set
854201.901	DTC-25/300 Vespel Reference Material Set (with data)

Thermal Conductivity Stainless Steel Reference Materials

854122.901	Stainless Steel Reference (with data) 25.4 mm OD x 3.175 mm Thick
854121.901	Stainless Steel Reference 25.4 mm OD x 6.35 mm Thick
854120.901	Stainless Steel Reference 25.4 mm OD x 12.7 mm Thick
854119.901	Stainless Steel Reference (with data) 50.8 mm OD x 6.35 mm Thick
854118.901	Stainless Steel Reference (with data) 50.8 mm OD x 12.7 mm Thick
854117.901	Stainless Steel Reference (with data) 50.8 mm OD x 19.05 mm Thick
854114.901	Stainless Steel Reference 50.8 mm OD x 15.88 mm Thick
854115.901	Stainless Steel Reference (with data) 50.8 mm OD x 25.4 mm Thick

Thermal Conductivity Vespel Reference Materials

854130.901	Vespel Reference (with data) 25.4 mm square x 6.35 mm Thick
854126.901	Vespel Reference (with data) 50.8 mm OD x 1.58 mm Thick
854150.001	Vespel Reference (with data) 50.8 mm OD x 2.54 mm Thick
854131.901	Vespel Reference (with data) 50.8 mm OD x 3.175 mm Thick
854151.001	Vespel Reference (with data) 50.8 mm OD x 4.76 mm Thick
854129.901	Vespel Reference (with data) 50.8 mm OD x 6.35 mm Thick
854132.901	Vespel Reference (with data) 50.8 mm OD x 9.525 mm Thick
854152.001	Vespel Reference (with data) 50.8 mm OD x 12.7 mm Thick
854153.001	Vespel Reference (with data) 50.8 mm OD x 19.05 mm Thick

Parts for Discontinued Anter Xenon and Laser Flash

856264.901	Carousel Assembly, Alumina, 5-Position, 12.7 mm (1/2") for DLF-1600
853103.901	Carousel Assembly, Graphite (for FL5000)
853127.901	Carousel Assembly, Graphite, 6-Position, 12.7 mm (for FL5000)
853126.001	Carousel Assembly, Alumina, 4-Position, 16 mm (for FL-4010)
856305.901	Carousel Assembly, Alumina, 6-Position, 12.7 mm (for FL-4010)

202419.001	Laser Coolant (1 Liter Bottle) for DLF-2 Laser Module <i>Note: NOT for use with the DLF-1600.</i>
853133.901	Melt Capsule, Molybdenum, 16 mm OD (for FL-4010)

LaserComp FOX Series Parts and Accessories

Calibration Materials, Options, and Miscellaneous Accessories

880400.901	EPS 8" Calibration Standard
880410.901	EPS 12" Calibration Standard
880411.901	EPS 12" Specific Heat Calibration Standard
880420.901	EPS 24" Calibration Standard
880430.901	EPS 24" with Surround Insulation for 30" x 30"
880440.901	EPS 24" with Surround Insulation for 41" x 30"
880460.901	Pyrex Two Thickness Reference Standard (set of 2)
880470.901	Perspex Two Thickness Reference Standard (set of 2)
880480.901	Vespel Two Thickness Reference Standard (set of 2)
880510.901	Pyroceram Two Thickness Reference Standard (set of 2)
880511.901	Polycarbonate Two Thickness Reference Standard (set of 2)
880512.902	NIST 1450e Reference Material (8" x 8")
880513.902	NIST 1450e Reference Material (12" x 12")
880514.901	NIST 1450d Reference Material (24" x 24")
880541.901	WinTherm sw extension to 18 setpoints, for F200, F3x4, F600
880543.901	NIST 1453 Expanded Polystyrene Board (51 mm/2" dia) (includes NIST Certificate of Analysis) for FOX 50 Heat Flow Meter
880536.901	NIST 1453 Expanded Polystyrene Board (8" x 8") (includes NIST Certificate of Analysis) for FOX 200 Heat Flow Meter
880537.901	NIST 1453 Expanded Polystyrene Board (12" x 12") (includes NIST Certificate of Analysis) for FOX 304 and FOX 314 Heat Flow Meter
880538.901	NIST 1453 Expanded Polystyrene Board (24" x 24") (includes NIST Certificate of Analysis) for FOX 600 Series Heat Flow Meter
880515.901	IRMM-440 Reference Material (8" x 8")
880516.901	IRMM-440 Reference Material (12" x 12")
880517.901	IRMM-440 Reference Material (24" x 24")
880532.901	Specific Heat Capacity Software for FOX Heat Flow Meter instruments
880518.901	FOX 50 High Temperature Liquid Cell Package
880519.901	Pyrex Disc, 1/8" (3 mm) Thick, for use with the FOX 50 Liquid Cell
880528.901	FOX 50 Rubber Mat Set (2.5" diameter)
880527.901	FOX 200 Rubber Mat Set (8" x 8")
880526.901	FOX 314 Rubber Mat Set (12" x 12")
880525.901	FOX 600 Rubber Mat Set (24" x 24")
880535.901	FOX 801 Rubber Mat Set (30" x 30")

Instrument Cart for FOX Series

880152.901	Instrument Cart FOX 600
880223.901	Instrument Cart FOX 800
880263.901	Instrument Cart FOX 1000

DILATOMETRY

Dilatometer Parts and Accessories (DHD Instruments)

855100.901	Protection Tube, Alumina, 0.38" ID x 1.8" L
855101.901	Protection Capsule, 0.38" ID x 2.0" L
855114.001	Protection Plate, Alumina, 4.6 mm OD
855113.001	Protection Plate, Alumina, 6.35 mm OD
855115.001	Protection Plate, Alumina, 12.7 mm OD
855103.001	Protection Plate, Alumina, 12.7 mm Square
855116.901	Dilatometer Tube, Alumina, DVD-1650
855106.901	Dilatometer Tube, Quartz, DHD-1000
855107.901	Dilatometer Tube, Quartz, Unitherm 1101 Standard Tube
855108.901	Dilatometer Tube, Quartz, Unitherm 1101 Extra Large Tube
855111.901	Dilatometer Tube, Quartz, Extended, Unitherm 1101 Cryogenic Dewar
855123.901	Dilatometer Tube, Graphite, with shield, DVD-2800
855102.001	Spacer Rod, Alumina
855105.901	Specimen Holder, Quartz, DHD-300
855112.901	Reference Holder, Graphite
855117.001	Dilatometer Platform, Alumina, DVD-1650
855118.901	Dilatometer Push Rod, Alumina, Standard, DVD-1650
855122.901	Dilatometer Push Rod, Graphite, DVD-2800
855104.901	Dilatometer Push Rod, Quartz, DHD-1000
855109.901	Dilatometer Push Rod, Quartz, 1101XL
117834	Push Rod Assembly, Quartz, DHD-300
106966	Push Rod Assembly, Quartz, DHD-1100
855128.901	Crystallox Reference, 25.4 mm long
855129.901	Crystallox Reference, 50.8 mm long
855170.001	Aluminum Reference, 25 mm x 75 mm x 3 mm (for use in the DHD-300)
855169.001	Thermographite Reference, 50.8 mm Length
855119.901	Anti-Siphon Exit Exhaust Bubbler
855121.901	Software, Operating, and Data Analysis

DIL805 Quenching Dilatometer - Major Options

863160.901	Alpha Measuring Head for DIL805 Dilatometer: For use with the following: 1. DIL805A Quenching Dilatometer (P/N: 863001.901) 2. DIL805A/D Quenching and Deformation Dilatometer (P/N: 863002.901) 3. DIL805A/D/T Quenching, Deformation, and Tension Dilatometer (P/N: 863003.901)
863170.901	Sub-Zero Module for DIL805 Dilatometer (requires Alpha Measuring Head (P/N: 863160.901)): For use with the following: 1. DIL805A Quenching Dilatometer (P/N: 863001.901) 2. DIL805A/D Quenching and Deformation Dilatometer (P/N: 863002.901) 3. DIL805A/D/T Quenching, Deformation, and Tension Dilatometer (P/N: 863003.901)
863180.901	Thermocouple Placement Apparatus for DIL805: For use with the following: 1. DIL805A Quenching Dilatometer (P/N: 863001.901) 2. DIL805A/D Quenching and Deformation Dilatometer (P/N: 863002.901) 3. DIL805A/D/T Quenching, Deformation, and Tension Dilatometer (P/N: 863003.901)
863190.901	Optical Kit - Quenching Module for DIL805: For use with the following: 1. DIL805A Quenching Dilatometer (P/N: 863001.901) 2. DIL805A/D Quenching and Deformation Dilatometer (P/N: 863002.901) 3. DIL805A/D/T Quenching, Deformation, and Tension Dilatometer (P/N: 863003.901)
863220.901	Optical Kit - Deformation Module for DIL805: For use with the following: 1. DIL805A/D Quenching and Deformation Dilatometer (P/N: 863002.901) 2. DIL805A/D/T Quenching, Deformation, and Tension Dilatometer (P/N: 863003.901)
863230.901	Optical Kit - Tension and Compression Module DIL805: For use with the following: 1. DIL805A/D/T Quenching, Deformation, and Tension Dilatometer (P/N: 863003.901)
863240.901	Optical Kit - Alpha Measuring Head for DIL805: For use with the Alpha Measuring Head (P/N: 863160.901)
863359.901	Optical Measuring System for DIL805
863015.901	Extension Unit for DIL805
863406.901	Standard Reference Material Platinum (Dia. = 4 mm; Length = 10 mm) with Thermocouple for DIL805 Alpha
863403.901	Software - Tension and Compression Function Generator for DIL805A/D/T (Software for up to 10000 Strain/Force Cycles - only for DIL Deformation and Tension Mode)
863209.901	Software - Temperature Function Generator for DIL805A (Software for up to 10000 Temperature Cycles - only for Quenching Mode)

863403.902	Software - Temperature Function Generator for DIL805D (Software for up to 10,000 Temperature Cycles - only for Deformation Mode with constant load)
863394.901	Drawer Cabinet for DIL805 only
863381.901	Circulating Cooler (water-to-air) for TA Instruments DIL Series
863381.902	Circulating Cooler (water-to-water) for TA Instruments DIL Series

DIL805 Quenching Dilatometer - System Components

DIL805 Quenching Dilatometer - System Components - Measuring Systems

863343.901	Dilatometer Measuring System DIL805A (Al ₂ O ₃ , Type S)
863540.901	Dilatometer Measuring System DIL805A (Fused Silica, Type K) for DIL805 up to S/N: 6925
863342.901	Dilatometer Measuring System DIL805A (Fused Silica, Type S)
863344.901	Dilatometer Measuring System DIL805D (Al ₂ O ₃ , Type S)
863345.901	Dilatometer Measuring System DIL805D (Fused Silica, Type S)
863341.901	Dilatometer Measuring System DIL805T Tension and Compression (Type S)
863340.901	Dilatometer Measuring System Alpha Measuring Head (Al ₂ O ₃ , Type S)
863401.901	Dilatometer Measuring System Alpha Measuring Head (Fused Silica, Type K)
863339.901	Dilatometer Measuring System Alpha Measuring Head (Fused Silica, Type S)

DIL805 Quenching Dilatometer - System Components - Transmission Rods

863426.002	Transmission Rod Solid Al ₂ O ₃ (Dia. = 4 mm, Length = 133.5 mm) for DIL805
863497.002	Transmission Rod Solid Fused Silica (Dia. = 3 mm, Length = 133.5 mm) for DIL805
863266.001	Transmission Rod Al ₂ O ₃ (Dia. = 4 mm; Length = 100.5 mm) for DIL805T
863265.001	Transmission Rod Fused Silica (Dia. = 4 mm; Length = 100.5 mm) for DIL805T
863420.003	Transmission Rod Fused Silica (Length = 113.5 mm) for DIL805
863420.002	Transmission Rod Fused Silica (Dia. = 4 mm; Length = 123.5 mm) for DIL805
863421.001	Transmission Rod Fused Silica (Dia. = 3 mm; Length = 163.5 mm) for DIL805A/805L
863414.001	Transmission Rod with hole for gas Fused Silica (Dia. = 4 mm; Length = 145 mm) for DIL805 Alpha
863426.001	Transmission Rod with hole for gas Al ₂ O ₃ (Dia. = 4 mm; Length = 133.5 mm) for DIL805A/805L
863420.001	Transmission Rod with hole for gas Fused Silica (Dia. = 4 mm; Length = 133.5 mm) for DIL805A/805L

863427.001	Transmission Rod Al ₂ O ₃ (Dia. = 3 mm; Length = 163.5 mm) for DIL805A/805L
863262.001	Transmission Rod Al ₂ O ₃ (Dia. = 4 mm; Length = 145 mm) for DIL805 Alpha
863497.001	Transmission Rod Solid Fused Silica (Dia. = 2 mm; Length = 133.5 mm) for DIL805A/805L
863560.901	Transmission Rod Solid Fused Silica (Dia. = 2 mm, Length = 145 mm) for DIL805 Alpha
863560.902	Transmission Rod Solid Fused Silica (Dia. = 3 mm, Length = 145 mm) for DIL805 Alpha
863505.001	Transmission Rod Solid Fused Silica (Dia. = 2 mm; Length = 126.5 mm) for DIL805A S/N: 4013
863525.001	Transmission Rod Solid Fused Silica (Dia. = 2 mm; Length = 138 mm) for DIL805A S/N: 4013
863541.001	Transmission Rod Fused Silica (Dia. = 4 mm; Length = 133.5 mm) for DIL805A instruments up to S/N: 6925
863542.001	Transmission Rod Fused Silica (Dia. = 4 mm; Length = 163.5 mm) for DIL805A instruments up to S/N: 6925
863396.001	Heating Ring Mo for DIL805A
863397.001	Heating Ring Pt for DIL805A
863261.001	Molybdenum Disk (Dia. = 8 mm; Thickness = 0.1 mm) for DIL805D

DIL805 Quenching Dilatometer - System Components - Sample Supports

863600.901	Clamping Device for Flat Samples for DIL805T
863267.001	Spacer Ring (for 9 mm tension tests) for DIL805T
863251.901	Flat Sample Clamping DIL805
863252.901	Clamping Jaws for Flat Sample Clamping DIL805
863253.901	Toolkit for Flat Sample Clamping DIL805
863503.001	Sample Support (M7) Right for DIL805T
863504.001	Sample Support (M7) Left for DIL805T
863428.002	Opposite Support Solid Al ₂ O ₃ (Dia. = 4 mm) for DIL805
863496.002	Opposite Support Solid Fused Silica (Dia. = 3 mm) for DIL805
863263.001	Opposite Support Al ₂ O ₃ (Length = 64 mm; OD = 4 mm) for DIL805 Alpha
863446.001	Opposite Support Fused Silica (Length = 64 mm; OD = 4 mm) for DIL805 Alpha
863413.001	Holder for Opposite Support Fused Silica (including compression spring and clamping bar) for DIL805 Alpha
863561.001	Opposite Support Solid Fused Silica (Dia. = 2 mm, Length = 64 mm) for DIL805 Alpha
863561.002	Opposite Support Solid Fused Silica (Dia. = 3 mm, Length = 64 mm) for DIL805 Alpha
863446.002	Opposite Support (Dia. = 4 mm; Shifted 7 mm) for DIL805 Alpha Optical
863422.003	Opposite Support Fused Silica (Length = 55.5 mm) for DIL805
863422.002	Opposite Support Fused Silica (Length = 65.5 mm) for DIL805

863428.001	Opposite Support Al ₂ O ₃ (Dia. = 4 mm) for DIL805A/805L
863422.001	Opposite Support Fused Silica (Dia. = 4 mm) for DIL805A/805L
863415.001	Opposite Support with Hose Connection Fused Silica (OD = 4 mm; Length = 64 mm) for DIL805 Sub-Zero
863543.001	Opposite Support with Hose Connection Fused Silica (Dia. = 4 mm; Length = 63.5 mm) for DIL805A Sub-Zero instruments up to S/N: 6925
863496.001	Opposite Support Solid Fused Silica (Dia. = 2 mm) for DIL805A
863506.001	Opposite Support Fused Silica (Dia. = 8 mm) for DIL805A instrument S/N: 4013

DIL805 Quenching Dilatometer - System Components - Induction Coils

863306.901	Induction Coil for DIL805 (Dia. = 16 mm; Height = 82 mm; Length = 30 mm)
863306.902	Induction Coil for DIL806 (Dia. = 16 mm; Height = 82 mm; Length = 50 mm)
863303.901	Induction Coil for DIL805HR (Dia. = 20 mm; Height = 82 mm; Length = 35 mm)
863302.901	Induction Coil for DIL805T (Dia. = 20 mm; Height = 82 mm; Length = 30 mm)
863295.901	Induction Coil for Flat Samples for DIL805T (Dia. = 38 mm; Height = 61 mm)
863299.901	Induction Coil for Flat Samples for DIL805T (Dia. = 27 mm; Height = 79 mm)
863498.901	Induction Coil for DIL805A Teflon (Dia. = 7 mm; Height = 82 mm; Length = 30 mm)
863530.001	Induction Coil for DIL805DSC (Dia. = 22 mm; Height = 82 mm; Length = 50 mm)
863531.001	Induction Coil for DIL805A Optic (Dia. = 16 mm; Height = 82 mm; Length = 30 mm)
863532.001	Induction Coil for DIL805D Optic (Dia. = 16 mm; Height = 82 mm; Length = 30 mm)
863533.001	Induction Coil for DIL805T Optic (Dia. = 20 mm; Height = 82 mm; Length = 30 mm)
863534.001	Induction Coil for DIL805 Alpha Optic (Dia. = 16 mm; Height = 75 mm; Length = 30 mm)
863536.003	Induction Coil for DIL805T (Dia. = 20 mm; Height = 67 mm; Length = 16 mm)
863536.002	Induction Coil for DIL805T (Dia. = 20 mm; Height = 67 mm; Length = 60 mm)
863302.903	Induction Coil for DIL805T (Dia. = 20 mm; Height = 82 mm; Length = 16 mm)
863302.902	Induction Coil for DIL805T (Dia. = 26 mm; Height = 82 mm; Length = 30 mm)
863535.001	Induction Coil for DIL805 (Dia. = 16 mm; Height = 67 mm; Length = 30 mm) for DIL805 instruments up to S/N: 6925

863537.001	Induction Coil for DIL805A Teflon (Dia. = 7 mm; Height = 67 mm; Length = 30 mm) for DIL805A instruments up to S/N: 6925
863539.001	Induction Coil for DIL805DSC (Dia. = 22 mm; Height = 90 mm; Length = 50 mm) for DIL805DSC instruments up to S/N: 6925
863538.001	Induction Coil for DIL805HR (Dia. = 20 mm; Height = 67 mm; Length = 35 mm) for DIL805HR instruments up to S/N: 6925
863536.001	Induction Coil for DIL805T (Dia. = 20 mm; Height = 67 mm; Length = 30 mm) for DIL805T instruments up to S/N: 6925
863803.901	Induction Coil for TTS820 (Dia. = 35 mm; Length = 72 mm; 8 windings; A = 4x4 rectangular copper wire 4x4 mm)

DIL805 Quenching Dilatometer - System Components - Deformation Punches

202585.001	Deformation Punch Left Al ₂ O ₃
202584.001	Deformation Punch Right Al ₂ O ₃
202586.001	Deformation Punch Left Fused Silica
863432.001	Deformation Punch Right Fused Silica
202703.001	Deformation Punch Left Si ₃ Ni ₄
202702.001	Deformation Punch Right Si ₃ Ni ₄
863612.001	Deformation Punch Left - Steel
863613.001	Deformation Punch Right - Steel

DIL805 Quenching Dilatometer - System Components - Optical Kit Spare Parts

863572.001	Protection Window Fused Silica (44 x 12 x 2 mm) for DIL805, DIL806, and STD812
863573.001	Protection Window Fused Silica (35 x 16 x 2 mm) for DIL805 and STD812

DIL801/802/803/801L/802L/803L Models - System Components

DIL80X Series Dilatometers - System Components - Optional Accessories

863393.001	Gas Supply Module
863393.002	RG-Gas Supply Module (for DIL 82x-RG)
863386.001	Vacuum Unit for 10-2 mbar
863391.001	Water Supply Module
863381.901	Circulating Cooler (water-to-air) for TA Instruments DIL Series
863377.902	Dewar for LN ₂ (0.5 bar) 100 Liter

DIL80X Series Dilatometers - System Components - Reference Materials

863382.904	Dilatometer Reference Material Borosilicate Glass (10mm)
863382.903	Dilatometer Reference Material Borosilicate Glass (20mm)
863382.902	Dilatometer Reference Material Borosilicate Glass (25mm)
863586.004	Dilatometer Reference Material Platinum (Dia. = 3 mm; Length = 10 mm)
863586.003	Dilatometer Reference Material Platinum (Dia. = 3 mm; Length = 20 mm)
863586.002	Dilatometer Reference Material Platinum (Dia. = 3 mm; Length = 25 mm)
863586.001	Dilatometer Reference Material Platinum (Dia. = 3 mm; Length = 50 mm)
863382.901	Dilatometer Reference Material Borosilicate Glass (6.4 mm Square; Length = 50 mm)
863585.001	Dilatometer Reference Material Fused Silica (Dia. = 5 mm; Length = 10 mm)
863585.002	Dilatometer Reference Material Fused Silica (Dia. = 5 mm; Length = 20 mm)
863585.003	Dilatometer Reference Material Fused Silica (Dia. = 5 mm; Length = 25 mm)
863585.004	Dilatometer Reference Material Fused Silica (Dia. = 5 mm; Length = 50 mm)
863275.001	Dilatometer Reference Material Sapphire (Dia. = 5 mm; Length = 10 mm)
863275.004	Dilatometer Reference Material Sapphire (Dia. = 5 mm; Length = 20 mm)
863275.002	Dilatometer Reference Material Sapphire (Dia. = 5 mm; Length = 25 mm)
863275.003	Dilatometer Reference Material Fused Silica (Dia. = 5 mm; Length = 50 mm)
863409.901	Dilatometer Reference Material Sapphire (Dia. = 5 mm; Length = 50 mm)
863637.901	Inert Samples, Fused Silica (Length = 10, 20, 25, 50 mm) for DIL802/DIL802L/DIL803/DIL803L only
863638.901	Inert Samples, Al ₂ O ₃ (Length = 10, 20, 25, 50 mm) for DIL802/DIL802L/DIL803/DIL802L only

DIL80X Series Dilatometers - System Components - Furnaces

863376.901	Furnace -160 °C up to 700 °C for DIL 80x
863690.901	Furnace 1000 °C Water Cooled (with fan) for DIL 80x and DIL 80xL Models
863366.901	Furnace 1350 °C for DIL 80x and DIL 80xL models
863366.902	Furnace 1350 °C for DIL 80x and DIL 80xL models (up to S/N: 5144)
863367.901	Furnace 1500 °C Water Cooled for DIL 80x and DIL 80xL Models

863368.901	Furnace Max. 1700 °C for DIL 80x and DIL 80xL Models
863436.901	Transformer for Sub-Zero Furnace DIL/STA
863437.901	Transformer for Furnace 1350 °C DIL
863438.901	Transformer for Furnace 1500 °C DIL and Furnace 1000 °C Water Cooled
863439.901	Transformer for Furnace 1700 °C DIL

DIL80X Series Dilatometers - System Components - Measuring Systems

863329.901	Dilatometer Measuring System DIL801 (Al ₂ O ₃ , Type B)
863328.901	Dilatometer Measuring System DIL801 (Al ₂ O ₃ , Type S)
863326.901	Dilatometer Measuring System DIL801 (Fused Silica, Type K)
863327.901	Dilatometer Measuring System DIL801 (Fused Silica, Type S)
863333.901	Dilatometer Measuring System DIL802 (Al ₂ O ₃ , Type B)
863332.901	Dilatometer Measuring System DIL802 (Al ₂ O ₃ , Type S)
863330.901	Dilatometer Measuring System DIL802 (Fused Silica, Type K)
863331.901	Dilatometer Measuring System DIL802 (Fused Silica, Type S)
863338.901	Dilatometer Measuring System DIL803 (Al ₂ O ₃ , Type B)
863337.901	Dilatometer Measuring System DIL803 (Al ₂ O ₃ , Type S)
863335.901	Dilatometer Measuring System DIL803 (Fused Silica, Type K)
863336.901	Dilatometer Measuring System DIL803 (Fused Silica, Type S)
863317.901	Dilatometer Measuring System DIL801L (Al ₂ O ₃ , Type B)
863322.901	Dilatometer Measuring System DIL801L (Al ₂ O ₃ , Type S)
863630.901	Dilatometer Measuring System DIL801L (Al ₂ O ₃ , Type S) (Diameter = 11 mm; Length = 275 mm)
863320.901	Dilatometer Measuring System DIL801L (Fused Silica, Type K)
863321.901	Dilatometer Measuring System DIL801L (Fused Silica, Type S)
863640.901	Dilatometer Measuring System DIL801L (Fused Silica, Type S) HDR (Diameter = 11.6 mm), Rod (Diameter = 7 mm)
863641.901	Dilatometer Measuring System DIL801L (Fused Silica, Type S) HDR (Diameter = 16 mm), Rod (Diameter = 10 mm)
863642.901	Dilatometer Measuring System DIL801L (Fused Silica, Type S) HDR (Diameter = 25 mm), Rod (Diameter = 15 mm)
863318.901	Dilatometer Measuring System DIL802L (Al ₂ O ₃ , Type B)
863325.901	Dilatometer Measuring System DIL802L (Al ₂ O ₃ , Type S)
863323.901	Dilatometer Measuring System DIL802L (Fused Silica, Type K)
863324.901	Dilatometer Measuring System DIL802L (Fused Silica, Type S)
863319.901	Dilatometer Measuring System DIL803L (Al ₂ O ₃ , Type B)
863316.901	Dilatometer Measuring System DIL803L (Al ₂ O ₃ , Type S)
863526.001	Dilatometer Measuring System DIL803L (Al ₂ O ₃) (Diameter = 20 mm)
863314.901	Dilatometer Measuring System DIL803L (Fused Silica, Type K)
863315.901	Dilatometer Measuring System DIL803L (Fused Silica, Type S)
863629.901	Dilatometer Measuring System DIL801L/DIL804 (Fused Silica, Type S)

DIL80X Series Dilatometers - System Components - Protection Tubes

863349.001	Dilatometer Protection Tube Al ₂ O ₃ (Diameter = 28 mm; Length = 304 mm) for DIL801/802/803
863348.001	Dilatometer Protection Tube Fused Silica (Diameter = 31 mm; Length = 309 mm) for DIL801/802/803
863350.001	Dilatometer Protection Tube Al ₂ O ₃ (Diameter = 21 mm; Length = 296 mm) for Furnace P/N: 863368.901
863463.001	Convection-Protection Tube Fused Silica for DIL801L/802L/803L
863507.001	Protection Tube Al ₂ O ₃ (ID = 28 mm; Length = 354 mm) for DIL801/802/803

DIL80X Series Dilatometers - System Components - Transmission Rods

863632.901	Transmission Rod Al ₂ O ₃ (Dia. = 4 mm; Length = 270 mm) for DIL801L
863500.001	Transmission Rod Al ₂ O ₃ (Dia. = 4 mm; Length = 282.5 mm) for DIL801L
863464.001	Transmission Rod Al ₂ O ₃ (Dia. = 4 mm; Length = 345 mm) for DIL801L/802L/803L
863455.001	Transmission Rod Al ₂ O ₃ (Dia. = 4 mm; Length = 384 mm) for DIL801/802/803
863277.001	Transmission Rod Fused Silica (Dia. = 4 mm; Length = 384 mm) for DIL801/802/803
863276.001	Transmission Rod Fused Silica (Dia. = 4 mm; Length = 345 mm) for DIL801L/802L/803L
863460.001	Transmission Rod Glassy Carbon (Dia. = 4 mm; Length = 384 mm) for DIL801/802
863461.001	Transmission Rod Glassy Carbon (Dia. = 4 mm; Length = 367 mm) for DIL802 only
863285.001	Transmission Rod Al ₂ O ₃ (Dia. = 3 mm; Length = 367 mm) for DIL802 only
863286.001	Transmission Rod Al ₂ O ₃ (Dia. = 3 mm; Length = 384 mm) for DIL802 only
863458.001	Transmission Rod Al ₂ O ₃ (Dia. = 4 mm; Length = 367 mm) for DIL802 only
863466.001	Transmission Rod Al ₂ O ₃ (Dia. = 4 mm; Length = 328 mm) for DIL802L only
863476.901	Transmission Rod Fused Silica (Length = 297.5 mm) for DIL801L
863465.001	Transmission Rod Fused Silica (Dia. = 4 mm; Length = 328 mm) for DIL802L only
863449.001	Transmission Rod Fused Silica (Dia. = 4 mm; Length = 367 mm) for DIL802 only
863636.901	Transmission Rod Fused Silica (Dia. = 4 mm; Length = 384 mm) with End Plate for DIL801 only
863278.001	Transmission Rod Fused Silica Penetration (Dia. = 1 mm; Length = 345 mm) for DIL801 only

DIL80X Series Dilatometers - System Components - Sample Holders and End Plates

863631.901	Sample Holder Al ₂ O ₃ (Dia. = 11 mm; Length = 275 mm) for DIL801L
863454.001	Sample Holder Al ₂ O ₃ (ID = 14 mm; Length = 350 mm) for DIL80X instruments
863527.001	Sample Holder Al ₂ O ₃ (ID = 20 mm; Length = 350 mm) for DIL80X instruments
863475.901	Sample Holder Fused Silica (Length = 262.5 mm) for DIL801L
863274.001	Sample Holder Fused Silica (ID = 16 mm; Length = 350 mm) for DIL80X instruments
863274.002	Sample Holder Fused Silica (Dia. = 11 mm; Length = 350 mm) for DIL801/801L
863557.901	Sample Holder Fused Silica (Dia. = 14 mm; Length = 350 mm) for DIL80X instruments
863556.901	Sample Holder Fused Silica (Dia. = 25 mm; Length = 350 mm) for DIL80X instruments
863284.001	Sample Holder Al ₂ O ₃ with Slot for Thermocouple (ID = 12 mm; Length = 350 mm) for DIL801/802
863553.001	Sample Holder Al ₂ O ₃ with Slot for Thermocouple (Dia. = 14 mm; Length = 350 mm) for DIL801/802/803
863558.001	Sample Support for Fused Silica Sample Holder (ID = 14 mm)
863273.001	Sample Support for Fused Silica Sample Holder (ID = 16 mm) for round samples up to 6 mm diameter
863508.001	Sample Support for Fused Silica Sample Holder (ID = 16 mm) for square samples 4 mm on edge
863457.001	Sample Support for Al ₂ O ₃ Sample Holder (ID = 12 mm) for round samples up to 4.5 mm diameter
863529.001	Sample Support for Al ₂ O ₃ Sample Holder (ID = 20 mm) for round samples up to 8 mm diameter
863634.001	End Plate for Al ₂ O ₃ Sample Holder (Dia. = 11 mm) for DIL801L
863290.001	End Plate for Al ₂ O ₃ Sample Holder (Dia. = 12 mm) for DIL801/802
863456.001	End Plate for Al ₂ O ₃ Sample Holder (Dia. = 14 mm)
863528.001	End Plate for Al ₂ O ₃ Sample Holder (ID = 20 mm)
863291.001	Container for Measurement of Pastes and Powders in Horizontal DIL80X, Al ₂ O ₃

DIL80X Series Dilatometers - System Components - Protection Discs

863570.001	Protection Disc Al ₂ O ₃ (Dia. = 5 mm) for DIL80X, DIL 80xL, DIL 820 and DIL 830 Series
863493.001	Protection Disc Al ₂ O ₃ (Dia. = 6 mm) for DIL80X, DIL 80xL, DIL 820 and DIL 830 Series
863570.002	Protection Disc Al ₂ O ₃ (Dia. = 10 mm) for DIL80X, DIL 80xL, DIL 820 and DIL 830 Series
863570.003	Protection Disc Al ₂ O ₃ (Dia. = 12 mm) for DIL80X, DIL 80xL, DIL 820 and DIL 830 Series

863571.001	Protection Disk Fused Silica (Dia. = 6 mm) for DIL80X, DIL 80xL, DIL 820 and DIL 830 Series
863571.002	Protection Disk Fused Silica (Dia. = 10 mm): for DIL80X, DIL 80xL, DIL 820 and DIL 830 Series
863571.003	Protection Disk Fused Silica (Dia. = 12 mm): for DIL80X, DIL 80xL, DIL 820 and DIL 830 Series

DIL821 and DIL822 Vertical Dilatometer - System Components

863733.901	Dilatometer Measuring System DIL821 (Al ₂ O ₃ , Type B)
863732.901	Dilatometer Measuring System DIL821 (Al ₂ O ₃ , Type S)
863731.901	Dilatometer Measuring System DIL821 (Fused Silica, Type S)
863743.901	Dilatometer Measuring System DIL822 (Al ₂ O ₃ , Type B)
863742.901	Dilatometer Measuring System DIL822 (Al ₂ O ₃ , Type S)
863741.901	Dilatometer Measuring System DIL822 (Fused Silica, Type S)
863740.901	Dilatometer Measuring System DIL822/DIL832 (Fused Silica, Type K)
863763.901	Sample Holder Al ₂ O ₃ Type B for DIL821/822
863762.901	Sample Holder Al ₂ O ₃ Type S for DIL821/822
863761.901	Sample Holder Fused Silica Type S for DIL821/822
863760.901	Sample Holder Fused Silica Type K for DIL821/822
863752.901	Transmission Rod Al ₂ O ₃ (Dia. = 4 mm; Length = 294 mm) for DIL821/822
863751.901	Transmission Rod Fused Silica (Dia. = 4 mm; Length = 294 mm) for DIL821/822

DIL821HT and DIL822HT High Temperature Vertical Dilatometer - System Components

863770.901	Dilatometer Measuring System DIL821HT (Al ₂ O ₃ , Type B) 1700 °C
863771.901	Dilatometer Measuring System DIL821HT (Graphite, Type C) 2000 °C
863772.901	Dilatometer Measuring System DIL821HT (Graphite) 2300 °C
863780.901	Dilatometer Measuring System DIL822HT (Al ₂ O ₃ , Type B) 1700 °C
863781.901	Dilatometer Measuring System DIL822HT (Graphite, Type C) 2000 °C
863782.901	Dilatometer Measuring System DIL822HT (Graphite) 2300 °C
863785.901	Transmission Rod Al ₂ O ₃ (Dia. = 4 mm; Length = 326 mm) for DIL821HT/822HT
863786.901	Transmission Rod Glassy Carbon (Dia. = 4 mm; Length = 326 mm) for DIL821HT/822HT
863790.901	Sample Holder Al ₂ O ₃ Type B for DIL821HT/822HT
863791.901	Sample Holder Graphite Type C for DIL821HT/822HT
863792.901	Sample Holder Graphite for DIL821HT/822HT
863793.001	End Plate for Graphite Sample Holder (Dia. = 14 mm) for DIL821HT/822HT
863795.901	Protection Tube Al ₂ O ₃ for DIL821HT/822HT
863796.901	Protection Tube Glassy Carbon for DIL821HT/822HT
863381.903	Circulating Cooler for DIL82XHT High Temperature Vertical Dilatometer

DIL806, Misura 3, 860 Series - System Components - Furnaces

870802.901	M3 L-Series 1400 °C Furnace, 30 °C/min
870804.901	M3 H-Series 1400 °C Furnace, 80 °C/min
870807.901	M3 H-Series 1600 °C Furnace, 50 °C/min
871811.901	86X Series 1650 °C Furnace, 100 °C/min
870801.902	M3 H-Series 1200 °C Furnace, 80 °C/min, with Gas option
870803.902	M3 H-Series 1400 °C Furnace, 50 °C/min, with Gas option
870803.903	M3 H-Series 1400 °C Furnace, 50 °C/min, Gas+Flash options
870804.902	M3 H-Series 1400 °C Furnace, 80 °C/min, with Gas option
870804.903	M3 H-Series 1400 °C Furnace, 80 °C/min, Gas+Flash options
870807.903	M3 H-Series 1600 °C Furnace, 50 °C/min, Gas+Flash options
870807.902	M3 H-Series 1600 °C Furnace, 50 °C/min, with Gas option
870808.902	M3 H-Series 1600 °C Furnace, 80 °C/min, with Gas option
870808.903	M3 H-Series 1600 °C Furnace, 80 °C/min, Gas+Flash options
870800.901	M3 L-Series 1200 °C Furnace, 30 °C/min
870801.901	M3 H-Series 1200 °C Furnace, 80 °C/min
870803.901	M3 H-Series 1400 °C Furnace, 50 °C/min
870806.901	M3 L-Series 1600 °C Furnace, 30 °C/min
870808.901	M3 H-Series 1600 °C Furnace, 80 °C/min

DIL806 - System Components - Reference Materials

863580.001	Standard Reference Material Borosilicate Glass (Dia. = 10 mm) for DIL806 only
863405.901	Standard Reference Material Fused Silica (Dia. = 10 mm) for DIL806 only
863405.902	Standard Reference Material Fused Silica (Dia. = 20 mm) for DIL806 only
863407.901	Standard Reference Material Sapphire (Dia. = 10 mm) for DIL806 only
863407.902	Standard Reference Material Sapphire (Dia. = 20 mm) for DIL806 only

DIL806 - Parts and Consumables

863471.001	Sample Platform Al ₂ O ₃ (21 x 11 x 2 mm) for DIL806 only
863467.001	Sample Platform Fused Silica (21 x 11 x 2 mm) for DIL806 only
863620.901	Thin Film Holder for DIL806 and ODP 868
863353.001	Dilatometer Measuring System DIL806 (Al ₂ O ₃ , Type S)
863351.001	Dilatometer Measuring System DIL806 (Fused Silica, Type K)
863352.001	Dilatometer Measuring System DIL806 (Fused Silica, Type S)
863468.001	Fused Silica Supporting Rod for Dilatometer Measuring System (P/N: 863351.001 and P/N: 863352.001) (Dia. = 2 mm) for DIL806 only
863472.001	Al ₂ O ₃ Rod for Dilatometer Measuring System (P/N: 863353.001) (Dia. = 2 mm) for DIL806 only
863572.001	Protection Window Fused Silica (44 x 12 x 2 mm) for DIL805, DIL806, and STD812

ODP 868 and HM 867 System Components - Options

871042.901	ODP 868/HM 867 Instantaneous Heating System (Flash Mode)
871050.901	ODP 868 Upgrade from 1 to 2 Operational Modes
871051.901	ODP 868 Upgrade from 1 to 3 Operational Modes
871052.901	ODP 868 Upgrade from 2 to 3 Operational Modes

Misura3, ODP 868 and HM 867 System Components - Parts and Consumables

871320.901	Optical Dilatometer Reference Material Sapphire (Length = 50 mm)
871090.901	ODP 868/HM 867 Starting Kit Extension for HM Mode
871091.901	ODP 868 Starting Kit Extension for OD Mode
871092.901	ODP 868 Starting Kit Extension for Flex Mode
871100.901	150X Sample Holding Plates, 10 x 8 x 1 mm
871104.901	150X Sample Holding Plates, 15 x 15 x 1 mm
871103.901	150X Sample Holding Plates, 18 x 8 x 1 mm
871101.901	30X Sample Holding Plates, 60 x 8 x 1 mm
871102.901	5X Sample Holding Plates, 80 x 8 x 1 mm
871112.901	5X Sample Holding Plates, Al ₂ O ₃ , 80 x 10 x 1 mm
871150.901	2X Sample Holding Rod, (Diameter = 3 x 145 mm)
871151.901	2X Sample Hold. Rod With Holes, (Diameter = 3 x 130 mm)
871250.001	Shaped Quartz Glass Op. Sheet, 65 x 40 x 1 mm
871251.001	Quartz Glass Op. Sheet, 84 x 38 x 1 mm
871252.001	Quartz Glass Op. Sheet Diffu. 84 x 38 x 1 mm
871305.001	Al ₂ O ₃ Rod (Diameter = 3 x 85 mm), for Flex Correction
871310.901	Shaped Au Wire 3 mm Mp 1064 °C
871311.901	Shaped Pd Wire 3 mm Mp 1554 °C
871350.901	Handle Punch for (Diameter = 2 x 3 mm), and (Diameter = 3 x 3 mm)
871360.001	Pneumatic Press To Realize Specimens
871362.001	Die For 5 x 5 x 50 mm Samples
871380.001	Electric Cutter, 230V, 50Hz, incl. One Blade
871380.002	Electric Cutter, 110V, 60Hz, incl. One Blade
871380.003	Electric Cutter, 115V, 50Hz, incl. One Blade
871390.001	Turbo Blade for Electrical Cutter: Dia. = 115 mm
871200.901	Sample Thermocouple Type S, L = 110 mm
871210.901	Furnace Thermocouple Type S, L = 130 mm
871211.901	Furnace Thermocouple Type B, L = 90 mm
870150.901	Sample Holding Rod, (Diameter = 3.18 x 210 mm) for M3
870200.901	Sample Holding Rod (Diameter = 3.18 x 210 mm) including TC S for M3
870152.901	Sample Holding Rod (Diameter = 3.18 x 195 mm)

870153.901	Sample Holding Rod (Diameter = 3.18 x 230 mm)
870300.001	Halogen Brill 50W GU5.3 12V for M3
870250.001	Quarz Disc (Diameter = 48 mm)
870251.001	Quarz Disc (Diameter = 48 mm) with Holes
870252.001	Quarz Disc 38 x 18 x 1 mm

VIS 413 Rotational Viscometer Instruments - Consumables

862550.001	Viscometer Rotor, OD=12 mm, Al ₂ O ₃ , VIS 413
862551.001	Viscometer Rotor, OD=16 mm, Al ₂ O ₃ , VIS 413
862560.901	Viscometer Rotor Spindle, Al ₂ O ₃ , VIS 413
862530.001	Viscometer Crucible, OD=35 mm, H=65 mm, Al ₂ O ₃ , VIS 413
862531.001	Viscometer Crucible, OD=35 mm, H=100 mm, Al ₂ O ₃ , VIS 413
862540.901	Viscometer Crucible Holding Rod, Al ₂ O ₃ , VIS 413
862533.901	Viscometer Crucible Anti-Twist Device, PtRh, VIS 413
862506.901	Viscometer Furnace Protection Tube, Al ₂ O ₃ , VIS 413
862570.901	Viscometer Furnace Purge Gas Tube, Al ₂ O ₃ , VIS 413
862572.901	Viscometer Heat Shield Assembly, Al ₂ O ₃ , VIS 413

VIS 413 Rotational Viscometer Instruments - Consumables

862344.901	Viscometer Reference Material - Lime Soda Glass, 25 ml
862345.901	Viscometer Reference Material - Borosilicate Glass, 25 ml

VIS403 and VIS403HF Rotational Viscometer Instruments - System Components

862302.901	Induction Coil (Dia. = 40 mm; Length = 90 mm) for VIS403HF
862912.001	Rotor Pt/Rh (Dia. = 9 mm) for VIS403 and VIS403HF
862912.002	Rotor (Dia. = 19 mm) for VIS403 and VIS403HF
862904.001	Sample Support without Center Notch Fused Silica for VIS401
862916.001	Measuring Crucible for VIS403
862916.002	Measuring Crucible Pt/Au 65 mm for VIS403 (Dia. = 23 mm; Height = 65 mm) (Pt 95%/Au 5%)
862926.001	Measuring Crucible with drip edge for VIS403, PTAU5
862911.001	Measuring Crucible Pt/Rh 80/20 for VIS403HF
863400.001	Holder for Measuring Crucible without hole for VIS403
862915.001	Holder for Measuring Crucible with hole for VIS403
862401.901	Holder for 195 mm Measuring Crucible for VIS403HF
862334.901	Reference Material Lime Soda Glass for VIS403 and VIS403HF
862335.901	Reference Material Borosilicate Glass for VIS403 and VIS403HF

ELECTROFORCE LOAD FRAMES & TESTBENCHES

ElectroForce 3100 Fixtures

336709-0010	Tension/Compression Non-Submersible DMA Grips, Aluminum, Knurled Grip Faces, 450N Capacity
332369-0010	Tension/Compression DMA Grips, Titanium, Knurled Grip Face, 500N Capacity
332262-0010	BioDynamic Tensile Grips, Self-tightening preloading spring grip with a cam lock, 200N Capacity
332368-0010	Tension/Compression Grips, Knurled Grip Faces, 450N force capacity
332368-0020	Tension/Compression Grips, V-Cut Grip Faces (2-6 mm dia.), 450N force capacity
332283-0010	Additional Tension/Compression Grip Face, Knurled Face for flat specimens <i>Note: For use with 332368-00XX Tension/Compression Grips.</i>
350261-0010	Compression Platens, 10 mm diameter, 500N Capacity
332371-0010	Compression Platens, 25 mm diameter, 500N Capacity
332371-0020	Compression Platens, 50 mm diameter, 500N Capacity
332372-0030	3-Point Bend Fixture, 10 mm to 100 mm adjustable span, 2 & 4 mm points, 500N Capacity
332372-0040	3- and 4-Point Bend Fixture, 10 mm to 100 mm adjustable lower span, 2 & 4 mm points, 500N Capacity
336964-0010	Miniature 3-Point Bend Fixture, 4 mm to 26 mm adjustable lower span, 450N Capacity
350106-0010	Miniature 3- and 4-Point Bend Fixture, 4 mm to 26 mm adjustable lower span, 450N Capacity

ElectroForce 3100 Sensors

332042-0240	Load Sensor - 5 Newtons, Calibration included
332042-0050	Load Sensor - 22 Newtons, Calibration included
332042-0250	Submersible Load Sensor - 5 Newtons, Calibration included
332042-0060	Submersible Load Sensor - 22 Newtons, Calibration included
362164-0010	Acceleration compensation option, 100 g accelerometer, 10-32 Threads
362165-0010	Acceleration compensation option, Lightweight housing, 100 g accelerometer, 10-32 Threads <i>Note: For use with load sensor of 10 Newtons or less.</i>

ElectroForce 3100 Power Accessories

335168-0020	UPS 1500VA 120V, Power Failure Backup for 3100
335168-0030	UPS 2200VA 208/230V, Power Failure Backup for 3100

ElectroForce 3100 Other Accessories

752960-0010	System Status Indicator (SSI) Light Kit
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ElectroForce 3100 Software

337536-0010	Dynamic Link Library <i>Note: Functionality to allow user-written programs using external programs to access test system data and functions. Example compatible programs are LabView, MatLab, Visual Basic.</i>
337534-0010	External Waveform <i>Note: Allows users to program custom waveforms, time histories, or extended function generation sequences to use in tests where a nonstandard or more complex drive function is required.</i>
337537-0010	A/D Mover <i>Note: Optional input channel for user-supplied external function (+/- 10V high level analog input typical). Includes interface cable and project file.</i>

ElectroForce 5500 Fixtures

336709-0010	Tension/Compression Non-Submersible DMA Grips, Aluminum, Knurled Grip Faces, 450N Capacity
332369-0010	Tension/Compression DMA Grips, Titanium, Knurled Grip Face, 500N Capacity
332262-0010	BioDynamic Tensile Grips, Self-tightening preloading spring grip with a cam lock, 200N Capacity
332368-0010	Tension/Compression Grips, Titanium, Knurled Grip Faces, 450N Force Capacity
332368-0020	Tension/Compression Grips, Titanium, V-Cut Grip Faces (2-6 mm dia.), 450N Force Capacity
332283-0010	Additional Tension/Compression Grip Face, Knurled Face <i>Note: For use with 332368-00XX Tension/Compression Grips.</i>
350261-0010	Compression Platens, 10 mm diameter, 500N Capacity
332371-0010	Compression Platens, 25 mm diameter, 500N Capacity
332371-0020	Compression Platens, 50 mm diameter, 500N Capacity
332372-0030	3-Point Bend Fixture, 10 mm to 100 mm adjustable span, 2 & 4 mm points, 500N Capacity
332372-0040	3- and 4-Point Bend Fixture, 10 mm to 100 mm adjustable lower span, 2 & 4 mm points, 500N Capacity
336964-0010	Miniature 3-Point Bend Fixture, 4 mm to 26 mm adjustable lower span, 450N Capacity
350106-0010	Miniature 3- and 4-Point Bend Fixture, 4 mm to 26 mm adjustable lower span, 450N Capacity

ElectroForce 5500 Sensors

332042-0240	Load Sensor - 5 Newtons, Calibration included
332042-0050	Load Sensor - 22 Newtons, Calibration included
332042-0140	Load Sensor - 45 Newtons, Calibration included
332042-0070	Load Sensor - 225 Newtons, Calibration included
332042-0250	Submersible Load Sensor - 5 Newtons, Calibration included

332042-0060	Submersible Load Sensor - 22 Newtons, Calibration included
332042-0160	Submersible Load Sensor - 45 Newtons, Calibration included
332042-0080	Submersible Load Sensor - 225 Newtons, Calibration included
332338-0010	Pressure Sensor, 0 - 500 mmHg Measurement Range, Catheter Type, Calibration included

ElectroForce 5500 Power Accessories

335168-0070	UPS 1500VA 120V, Power Failure Backup for 5500
335168-0100	UPS 2200VA 208/230V, Power Failure Backup for 5500

ElectroForce 5500 Other Accessories

752960-0010	System Status Indicator (SSI) Light Kit
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ElectroForce 5500 Software

337536-0010	Dynamic Link Library <i>Note: Functionality to allow user-written programs using external programs to access test system data and functions. Example compatible programs are LabView, MatLab, Visual Basic.</i>
337534-0010	External Waveform <i>Note: Allows users to program custom waveforms, time histories, or extended function generation sequences to use in tests where a nonstandard or more complex drive function is required.</i>
337537-0010	A/D Mover <i>Note: Optional input channel for user-supplied external function (+/-10V high level analog input typical). Includes interface cable and project file.</i>

ElectroForce 3200 Fixtures

336709-0010	Tension/Compression Non-Submersible DMA Grips, Aluminum, Knurled Grip Faces, 450N Capacity
332369-0010	Tension/Compression DMA Grips, Titanium, Knurled Grip Face, 500N Capacity
332262-0010	BioDynamic Tensile Grips, Self-tightening preloading spring grip with a cam lock, 200N Capacity <i>Note: Grips are for use with standard 3200 extension shafts and not in BioDynamic chamber.</i>
332368-0010	Tension/Compression Grips, Titanium, Knurled Grip Faces, 450N Force Capacity
332368-0020	Tension/Compression Grips, Titanium, V-Cut Grip Faces (2-6 mm dia.), 450N Force Capacity
332283-0010	Additional Tension/Compression Grip Face, Knurled Face <i>Note: For use with 332368-00XX Tension/Compression Grips.</i>
350261-0010	Compression Platens, 10 mm diameter, 500N Capacity
332371-0010	Compression Platens, 25 mm diameter, 500N Capacity
332371-0020	Compression Platens, 50 mm diameter, 500N Capacity

332372-0030	3-Point Bend Fixture, 10 mm to 100 mm adjustable span, 2 & 4 mm points, 500N Capacity
332372-0040	3- and 4-Point Bend Fixture, 10 mm to 100 mm adjustable lower span, 2 & 4 mm points, 500N Capacity
336964-0010	Miniature 3-Point Bend Fixture, 4 mm to 26 mm adjustable lower span, 450N Capacity
350106-0010	Miniature 3- and 4-Point Bend Fixture, 4 mm to 26 mm adjustable lower span, 450N Capacity
760329-0010	Adapter Kit for RSA Geometries on ElectroForce 3200 and TestBench 200/400N, SST

ElectroForce 3200 Sensors

332042-0240	Load Sensor - 5 Newtons, Calibration included
332042-0050	Load Sensor - 22 Newtons, Calibration included
332042-0140	Load Sensor - 45 Newtons, Calibration included
332042-0070	Load Sensor - 225 Newtons, Calibration included
332042-0090	Load Sensor - 450 Newtons, Calibration included
332042-0250	Submersible Load Sensor - 5 Newtons, Calibration included
332042-0060	Submersible Load Sensor - 22 Newtons, Calibration included
332042-0160	Submersible Load Sensor - 45 Newtons, Calibration included
332042-0080	Submersible Load Sensor - 225 Newtons, Calibration included
332042-0100	Submersible Load Sensor - 450 Newtons, Calibration included
332327-0010	Axial/Torsion Load Sensor, 450N/5.6Nm, Configured to Match Instrument Capacity, Calibration included
362164-0010	Acceleration compensation option, 100 g accelerometer, 10-32 Threads
362165-0010	Acceleration compensation option, Lightweight housing, 100 g accelerometer, 10-32 Threads <i>Note: For use with load sensor of 10 Newtons or less..</i>
362166-0010	Acceleration compensation option, 100 g accelerometer, Axial/Torsion mounting <i>Note: For use with Axial/Torsion load sensor. Compensates only for linear accelerations.</i>

ElectroForce 3200 Power Accessories

335168-0070	UPS 1500VA 120V, Power Failure Backup for any 3200 Axial-only Instrument
335168-0090	UPS 2000VA 120V, Power Failure Backup for 3200 Axial-Torsion or 3200 Extended Stroke
335168-0100	UPS 2200VA 208V/230V, Power Failure Backup for any 3200 Instrument

ElectroForce 3200 Other Accessories

760890-0010	Shield Accessory for ElectroForce 3200 Series III with Standard Columns
760890-0020	Shield Accessory for ElectroForce 3200 Series III with Extended Columns
760872-0010	Granite Table Assembly for ElectroForce Tabletop Instruments, 36" x 36" x 35"H

ElectroForce 3200 BioDynamic Fixtures and Sensors

335055-0010	BioDynamic Tensile Grips, Stainless Steel, Grit Blast Grip Face, 200N Capacity
335056-0010	BioDynamic Tensile Grips, Stainless Steel, Knurled Grip Face, 200N Capacity
335054-0010	BioDynamic Tensile Grips, Self-tightening preloading spring grip with a cam lock, 200N Capacity
332540-0010	BioDynamic 4-well Non-Porous Platens, 10 mm Diameter
336965-0010	BioDynamic Miniature 3-Point Bend Fixture, 4 mm to 26 mm adjustable lower span, 200N Capacity
332338-0010	Pressure Sensor, 0 - 500 mmHg Measurement Range, Catheter Type, Calibration included

ElectroForce 3200 Software

337536-0010	Dynamic Link Library <i>Note: Functionality to allow user-written programs using external programs to access test system data and functions. Example compatible programs are LabView, MatLab, Visual Basic.</i>
337534-0010	External Waveform <i>Note: Allows users to program custom waveforms, time histories, or extended function generation sequences to use in tests where a nonstandard or more complex drive function is required.</i>
337537-0010	A/D Mover <i>Note: Optional input channel for user-supplied external function (+/-10V high level analog input typical). Includes interface cable and project file.</i>

ElectroForce DMA 3200 Fixtures/Geometries

708.01456	RSA-G2 and DMA 3200 3-Point Bending Geometry
708.01446	RSA-G2 and DMA 3200 Cantilever Bending Geometry
708.01455	RSA-G2 and DMA 3200 Film / Fiber Geometry
708.01464	RSA-G2 and DMA 3200 Parallel Plate Compression Geometry, Includes 8mm, 15mm and 25mm Dia. Plates
708.01466.1	8 mm diameter Plates for RSA-G2 and DMA 3200 Compression Geometry
708.01466.2	15 mm diameter Plates for RSA-G2 and DMA 3200 Compression Geometry
708.01466.3	25 mm diameter Plates for RSA-G2 and DMA 3200 Compression Geometry
708.01461	RSA-G2 and DMA 3200 Shear Sandwich Geometry
332369-0010	LSO Tension/Compression DMA Grips, Titanium, Knurled Grip Face, 500N Capacity <i>Note: This geometry/fixture is not compatible with FCO oven.</i>
332371-0010	LSO Compression Platens, 25 mm diameter, 500N Capacity <i>Note: This geometry/fixture is not compatible with FCO oven.</i>
332372-0030	LSO 3-Point Bend Fixture, 10 mm to 100 mm adjustable span, 2 & 4 mm points, 500N Capacity <i>Note: This geometry/fixture is not compatible with FCO oven.</i>

Three-Point Bending



ElectroForce DMA 3200 Sensors

332042-0050	Load Sensor - 22 Newtons, Calibration included
332042-0090	Load Sensor - 500 Newtons, Calibration included

ElectroForce DMA 3200 Power Accessories

335168-0100	UPS 2200VA 208/230V, Power Failure Backup for DMA 3200 Instrument <i>Note: This is to maintain power to the base DMA 3200 Instrument, not the oven or chiller. Includes communication cable to WinTest to trigger 300 sec shutdown delay upon power loss.</i>
335168-0120	UPS 3000VA 208/230V, Power Failure Backup for FCO or LSO <i>Note: This is to maintain power to the DMA 3200's oven. This does not include maintaining the ACS chiller power. This does not communicate with WinTest.</i>

ElectroForce DMA 3200 Other Accessories

760872-0010	Granite Table Assembly for ElectroForce Tabletop Instruments, 36" x 36" x 35"H
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ElectroForce DMA 3200 Software

337536-0010	Dynamic Link Library <i>Note: Functionality to allow user-written programs using external programs to access test system data and functions. Example compatible programs are LabView, MatLab, Visual Basic.</i>
337534-0010	External Waveform <i>Note: Allows users to program custom waveforms, time histories, or extended function generation sequences to use in tests where a nonstandard or more complex drive function is required.</i>
337537-0010	A/D Mover <i>Note: Optional input channel for user-supplied external function (+/-10V high level analog input typical). Includes interface cable and project file.</i>

ElectroForce 3300 Fixtures

Note: Standard Grips and Fixtures for use with 5/8-18 thread size.

332271-0010	Tension/Torsion Grips, Stainless Steel, Knurled Grip Faces, 3000N/50Nm Capacity
332271-0020	Tension/Torsion Grips, Stainless Steel, V-Cut Grip Faces (5-15 mm dia. Specimens), 3000N/50Nm Capacity
332271-0030	Tension/Torsion Grips, Stainless Steel, V-Cut Grip Faces (2-6 mm dia. Specimens), 3000N/50Nm Capacity
332271-0040	Tension/Torsion Grips, Stainless Steel, Grit Blast Grip Faces, 3000N/50Nm Capacity
332284-0010	Additional Tension/Torsion Grip Face, Knurled Face Note: For use with 332271-00XX Tension/Torsion Grips.
332284-0020	Additional Tension/Torsion Grip Face, V-Cut Grip Faces (5-15 mm dia. Specimens) Note: For use with 332271-00XX Tension/Torsion Grips.
332284-0030	Additional Tension/Torsion Grip Face, V-Cut Grip Faces (2-6 mm dia. Specimens) Note: For use with 332271-00XX Tension/Torsion Grips.
332284-0040	Additional Tension/Torsion Grip Face, Grit Blast Face Note: For use with 332271-00XX Tension/Torsion Grips.
350390-0010	Tension/Compression Wedge Grips, Fatigue-Rated, 3000N/50Nm Capacity Note: These grips are for axial testing only. Grip bodies include one grip wedge jaw set identified by parts 332289-XXXX.
332292-0010	Tension/Compression/Torsion (AT) Wedge Grips, Fatigue-Rated, 3000N/28Nm Capacity, 3000N/50Nm Capacity Note: Grip bodies include one grip wedge jaw set identified by parts 332289-XXXX.
332289-0010	Wedge Grip Jaw Set, F1 (for flats 0 to 4.0 mm)
332289-0020	Wedge Grip Jaw Set, F2 (for flats 3.5 to 7.0 mm)
332289-0030	Wedge Grip Jaw Set, F3 (for flats 6.5 to 10.0 mm)
332289-0040	Wedge Grip Jaw Set, F4 (for flats 9.5 to 13.0 mm)
332289-0050	Wedge Grip Jaw Set, F5 (for flats 12.5 to 16.0 mm)
332289-0060	Wedge Grip Jaw Set, F6 (for flats 15.5 to 19.0 mm)
332289-0070	Wedge Grip Jaw Set, R1 (for rounds 4 to 7.2 mm)
332289-0080	Wedge Grip Jaw Set, R1 (for rounds 7 to 10.0 mm)
332289-0090	Wedge Grip Jaw Set, R1 (for rounds 9.7 to 12.5 mm)
332289-0100	Wedge Grip Jaw Set, R1 (for rounds 12.2 to 15.2 mm)
332289-0110	Wedge Grip Jaw Set, R1 (for rounds 14.9 to 18.0 mm)
332289-0120	Wedge Grip Jaw Set, R1 (for rounds 17.7 to 19.0 mm)
333898-0030	Compression Platens, 50 mm diameter, 5/8-18 Threads, 3000N Capacity
335039-0010	Compression Platens, 100 mm diameter, 5/8-18 Threads, 3000N Capacity
334169-0010	3- and 4-Point Bend Fixture, 15 mm to 160 mm adjustable span, 5 & 10 mm points, 5/8-18 Threads, 3000N Capacity

334169-0020	3-Point Bend Fixture, 15 mm to 160 mm adjustable span, 5 & 10 mm points, 5/8-18 Threads, 3000N Capacity
760503-0020	Compliance Calibration Kit for ElectroForce Instruments between 1000N and 15000N Note: Recommended when using the DMA Application v8.0 or newer.

ElectroForce 3300 Low Force Fixtures

Note: Low Force Grips and Fixtures for use with 10-32 thread size. Grip/ Fixture sets include adapters for using on load sensor with 5/8-18 interface.

332281-0010	Tension/Compression DMA Grips, Titanium, Knurled Grip Face, 500N Capacity Note: Includes set of 10-32 to 5/8-18 adapters.
332274-0010	Tension/Compression Grips, Titanium, Knurled Grip Faces, 450N Force Capacity Note: Includes set of 10-32 to 5/8-18 adapters.
332274-0020	Tension/Compression Grips, Titanium, V-Cut Grip Faces (2-6 mm dia.), 450N Force Capacity Note: Includes set of 10-32 to 5/8-18 adapters.
332283-0010	Additional Tension/Compression Grip Face, Knurled Face Note: For use with 332368-00XX Tension/Compression Grips.
332276-0010	Compression Platens, 50 mm diameter, 500N Capacity Note: Includes set of 10-32 to 5/8-18 adapters.
332276-0020	Compression Platens, 25 mm diameter, 500N Capacity Note: Includes set of 10-32 to 5/8-18 adapters.
332277-0030	3- and 4-Point Bend Fixture, 10 mm to 100 mm adjustable lower span, 2 & 4 mm points, 500N Capacity Note: Includes set of 10-32 to 5/8-18 adapters.
332277-0040	3-Point Bend Fixture, 10 mm to 100 mm adjustable span, 2 & 4 mm points, 500N Capacity Note: Includes set of 10-32 to 5/8-18 adapters.
332278-0010	Adapter, 5/8-18 to 10-32 thread, for use with low force grips and fixtures on standard 1kN or 3kN load sensors Note: Price is for set of 2.
760503-0010	Compliance Calibration Kit for ElectroForce Instruments up to 500N Note: Recommended when using the DMA Application v8.0 or newer.

ElectroForce 3300 Sensors

332042-0050	Load Sensor - 22 Newtons, Calibration included Note: Requires set of 10-32 to 5/8-18 adapters (332278-0010). For use with low force fixtures. Some low force fixtures include adapters. Load sensor not suitable for use with 3300 Hot/Cold Chamber.
332042-0140	Load Sensor - 45 Newtons, Calibration included Note: Requires set of 10-32 to 5/8-18 adapters (332278-0010). For use with low force fixtures. Some low force fixtures include adapters. Load sensor not suitable for use with 3300 Hot/Cold Chamber.

332042-0070	Load Sensor - 225 Newtons, Calibration included <i>Note: Requires set of 10-32 to 5/8-18 adapters (332278-0010). For use with low force fixtures. Some low force fixtures include adapters. Load sensor not suitable for use with 3300 Hot/Cold Chamber.</i>
332042-0090	Load Sensor - 450 Newtons, Calibration included <i>Note: Requires set of 10-32 to 5/8-18 adapters (332278-0010). For use with low force fixtures. Some low force fixtures include adapters. Load sensor not suitable for use with 3300 Hot/Cold Chamber.</i>
332042-0060	Submersible Load Sensor - 22 Newtons, Calibration included <i>Note: Requires set of 10-32 to 5/8-18 adapters (332278-0010). For use with low force fixtures. Some low force fixtures include adapters. Load sensor not suitable for use with 3300 Hot/Cold Chamber.</i>
332042-0160	Submersible Load Sensor - 45 Newtons, Calibration included <i>Note: Requires set of 10-32 to 5/8-18 adapters (332278-0010). For use with low force fixtures. Some low force fixtures include adapters. Load sensor not suitable for use with 3300 Hot/Cold Chamber.</i>
332042-0080	Submersible Load Sensor - 225 Newtons, Calibration included <i>Note: Requires set of 10-32 to 5/8-18 adapters (332278-0010). For use with low force fixtures. Some low force fixtures include adapters. Load sensor not suitable for use with 3300 Hot/Cold Chamber.</i>
332042-0100	Submersible Load Sensor - 450 Newtons, Calibration included <i>Note: Requires set of 10-32 to 5/8-18 adapters (332278-0010). For use with low force fixtures. Some low force fixtures include adapters. Load sensor not suitable for use with 3300 Hot/Cold Chamber.</i>
332330-0040	Load Sensor - 1000 Newtons, 5/8-18 threads, Calibration included
332330-0020	Load Sensor - 3000 Newtons, 5/8-18 threads, Calibration included
332332-0020	Axial/Torsion Load Sensor 3000N/56 Nm, configured to match instrument capacity, Calibration included
760129-0010	Axial/Torsion Load Sensor 1100N/14 Nm, Calibration included
367571-0010	Acceleration compensation option, 100 g accelerometer, 5/8-18 Threads
367577-0010	Acceleration compensation option, 100 g accelerometer, 8x1/4-28 Threads <i>Note: For use on axial-torsion test instruments. Compensates for linear accelerations only.</i>

ElectroForce 3300 Power Accessories

335168-0100	UPS 2200VA 208/230V, Power Failure Backup for 3310
335168-0120	UPS 3000VA 208V/230V, Power Failure Backup for 3330 Axial and all 3310 & 3330 -AT and -ES Configurations

ElectroForce 3300 Other Accessories

Note: Compatible with 3300 Series I or II Instruments.

760891-0010	Shield Accessory for ElectroForce 3300 Series III with Standard Length Columns
760891-0020	Shield Accessory for ElectroForce 3300 Series III with Extended Columns

ElectroForce 3300 Software

337536-0010	Dynamic Link Library <i>Note: Functionality to allow user-written programs using external programs to access test system data and functions. Example compatible programs are LabView, MatLab, Visual Basic.</i>
337534-0010	External Waveform <i>Note: Allows users to program custom waveforms, time histories, or extended function generation sequences to use in tests where a nonstandard or more complex drive function is required.</i>
337537-0010	A/D Mover <i>Note: Optional input channel for user-supplied external function (+/-10V high level analog input typical). Includes interface cable and project file.</i>

ElectroForce 3300 MSF Sensors

335195-0010	Load Sensor, Mini-Beam - 40 Newtons, Calibration included
335195-0040	Load Sensor, Mini-Beam - 100 Newtons, Calibration included

ElectroForce 3300 MSF Accessories

760872-0010	Granite Table Assembly for ElectroForce Tabletop Instruments, 36" x 36" x 35"H
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ElectroForce 3510 Fixtures

332229-0010	Tension/Torsion Vice Grips, 316 SS, 3000N/50Nm Capacity Rating, Grit Face
332229-0040	Tension/Torsion Vice Grips, 316 SS, 3000N/50Nm Capacity Rating, Knurled Face
332233-0010	Tension/Compression Wedge Grips, Fatigue-Rated, 15kN Capacity <i>Note: These grips are for axial testing only. Grip bodies include one grip wedge jaw set identified by parts 332289-XXXX.</i>
332234-0010	Tension/Compression/Torsion (AT) Wedge Grips, Fatigue-Rated, 15kN/100Nm Capacity <i>Note: Grip bodies include one grip wedge jaw set identified by parts 332289-XXXX.</i>
332289-0010	Wedge Grip Jaw Set, F1 (for flats 0 to 4.0 mm)
332289-0020	Wedge Grip Jaw Set, F2 (for flats 3.5 to 7.0 mm)
332289-0030	Wedge Grip Jaw Set, F3 (for flats 6.5 to 10.0 mm)
332289-0040	Wedge Grip Jaw Set, F4 (for flats 9.5 to 13.0 mm)
332289-0050	Wedge Grip Jaw Set, F5 (for flats 12.5 to 16.0 mm)
332289-0060	Wedge Grip Jaw Set, F6 (for flats 15.5 to 19.0 mm)
332289-0070	Wedge Grip Jaw Set, R1 (for rounds 4 to 7.2 mm)
332289-0080	Wedge Grip Jaw Set, R1 (for rounds 7 to 10.0 mm)
332289-0090	Wedge Grip Jaw Set, R1 (for rounds 9.7 to 12.5 mm)

332289-0100	Wedge Grip Jaw Set, R1 (for rounds 12.2 to 15.2 mm)
332289-0110	Wedge Grip Jaw Set, R1 (for rounds 14.9 to 18.0 mm)
332289-0120	Wedge Grip Jaw Set, R1 (for rounds 17.7 to 19.0 mm)
333898-0040	Compression Platens, 50 mm diameter, M16X2 Threads, 15kN Capacity
333898-0050	Compression Platens, 100 mm diameter, M16X2 Threads, 15kN Capacity
334169-0030	3- and 4-Point Bend Fixture, 15 mm to 160 mm adjustable span, 5 & 10 mm points, M16 Threads, 15kN Capacity
334169-0040	3-Point Bend Fixture, 15 mm to 160 mm adjustable span, 5 & 10 mm points, M16 Threads, 15kN Capacity
760503-0020	Compliance Calibration Kit for ElectroForce Instruments between 1000N and 15000N Note: Recommended when using the DMA Application v8.0 or newer.

ElectroForce 3510 Sensors

332329-0010	Load Sensor - 1000 Newtons, M16 Threads, Calibration included
332329-0020	Load Sensor - 5000 Newtons, M16 Threads, Calibration included
332329-0030	Load Sensor - 12.5 kN, M16 Threads, Configured to Match Instrument Capacity, Calibration included
332329-0040	Load Sensor - 25 kN, M16 Threads, Configured to Match Instrument Capacity, Calibration included
332331-0010	Axial/Torsion Load Sensor 1100N/14Nm, 8xM6 Threads, Calibration included
332331-0040	Axial/Torsion Load Sensor 15kN/70Nm, 8xM6 Threads, Calibration included
367573-0010	Acceleration compensation option, 100 g accelerometer, 2xM16 Threads
369041-0010	Acceleration compensation option, 100 g accelerometer, 8xM6 Threads Note: For use on axial-torsion test instruments. Compensates for linear accelerations only.

ElectroForce 3510 Other Accessories

752960-0010	System Status Indicator (SSI) Light Kit
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ElectroForce 3510 Software

337536-0010	Dynamic Link Library Note: Functionality to allow user-written programs using external programs to access test system data and functions. Example compatible programs are LabView, MatLab, Visual Basic.
337534-0010	External Waveform Note: Allows users to program custom waveforms, time histories, or extended function generation sequences to use in tests where a nonstandard or more complex drive function is required.
337537-0010	A/D Mover Note: Optional input channel for user-supplied external function (+/-10V high level analog input typical). Includes interface cable and project file.

ElectroForce 3520/3550 Fixtures

332229-0010	Tension/Torsion Vice Grips, 316 SS, 3000N/50Nm Capacity, Grit Face
332229-0040	Tension/Torsion Vice Grips, 316 SS, 3000N/50Nm Capacity, Knurled Face
332233-0010	Tension/Compression Wedge Grips, Fatigue-Rated, 15kN/100Nm Capacity Note: These grips are for axial testing only. Grip bodies include one grip wedge jaw set identified by parts 332289-XXXX.
332234-0010	Tension/Compression/Torsion (AT) Wedge Grips, Fatigue-Rated, 15kN/100Nm Capacity Note: Grip bodies include one grip wedge jaw set identified by parts 332289-XXXX.
332289-0010	Wedge Grip Jaw Set, F1 (for flats 0 to 4.0 mm)
332289-0020	Wedge Grip Jaw Set, F2 (for flats 3.5 to 7.0 mm)
332289-0030	Wedge Grip Jaw Set, F3 (for flats 6.5 to 10.0 mm)
332289-0040	Wedge Grip Jaw Set, F4 (for flats 9.5 to 13.0 mm)
332289-0050	Wedge Grip Jaw Set, F5 (for flats 12.5 to 16.0 mm)
332289-0060	Wedge Grip Jaw Set, F6 (for flats 15.5 to 19.0 mm)
332289-0070	Wedge Grip Jaw Set, R1 (for rounds 4 to 7.2 mm)
332289-0080	Wedge Grip Jaw Set, R1 (for rounds 7 to 10.0 mm)
332289-0090	Wedge Grip Jaw Set, R1 (for rounds 9.7 to 12.5 mm)
332289-0100	Wedge Grip Jaw Set, R1 (for rounds 12.2 to 15.2 mm)
332289-0110	Wedge Grip Jaw Set, R1 (for rounds 14.9 to 18.0 mm)
332289-0120	Wedge Grip Jaw Set, R1 (for rounds 17.7 to 19.0 mm)
333898-0040	Compression Platens, 50 mm diameter, M16X2 Threads, 15kN Capacity
333898-0050	Compression Platens, 100 mm diameter, M16X2 Threads, 15kN Capacity
334169-0030	3- and 4-Point Bend Fixture, 15 mm to 160 mm adjustable span, 5 & 10 mm points, M16 Threads, 15kN Capacity
334169-0040	3-Point Bend Fixture, 15 mm to 160 mm adjustable span, 5 & 10 mm points, M16 Threads, 15kN Capacity
760503-0020	Compliance Calibration Kit for ElectroForce Instruments between 1000N and 15000N Note: Recommended when using the DMA Application v8.0 or newer.

ElectroForce 3520/3550 Sensors

332329-0010	Load Sensor - 1000 Newtons, M16 Threads, Calibration included
332329-0020	Load Sensor - 5000 Newtons, M16 Threads, Calibration included
332329-0030	Load Sensor - 12.5 kN, M16 Threads, Configured to Match Instrument Capacity, Calibration included
332329-0040	Load Sensor - 25 kN, M16 Threads, Configured to Match Instrument Capacity, Calibration included
332331-0010	Axial/Torsion Load Sensor 1100N/14Nm, 8xM6 Threads, Calibration included

332331-0040	Axial/Torsion Load Sensor 15kN/70Nm, 8xM6 Threads, Configured to Match Instrument Capacity, Calibration included
367573-0010	Acceleration compensation option, 100 g accelerometer, 2xM16 Threads
369041-0010	Acceleration compensation option, 100 g accelerometer, 8XM6 Threads Note: For use on axial-torsion test instruments. Compensates for linear accelerations only.

ElectroForce 3520/3550 Other Accessories

752960-0010	System Status Indicator (SSI) Light Kit
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ElectroForce 3520/3550 Software

337536-0010	Dynamic Link Library Note: Functionality to allow user-written programs using external programs to access test system data and functions. Example compatible programs are LabView, MatLab, Visual Basic.
337534-0010	External Waveform Note: Allows users to program custom waveforms, time histories, or extended function generation sequences to use in tests where a nonstandard or more complex drive function is required.
337537-0010	A/D Mover Note: Optional input channel for user-supplied external function (+/-10V high level analog input typical). Includes interface cable and project file.

ElectroForce 200N/400N TestBench Fixtures

332369-0010	Tension/Compression DMA Grips, Titanium, Knurled Grip Face, 500N Capacity
332262-0010	BioDynamic Tensile Grips, Self-tightening preloading spring grip with a cam lock, 200N Capacity Note: Grips are for use with standard 3200 extension shafts and not in BioDynamic chamber.
332368-0010	Tension/Compression Grips, Titanium, Knurled Grip Faces, 450N Force Capacity
332368-0020	Tension/Compression Grips, Titanium, V-Cut Grip Faces (2-6 mm dia.), 450N Force Capacity
332283-0010	Additional Tension/Compression Grip Face, Knurled Face Note: For use with 332368-00XX Tension/Compression Grips.
350261-0010	Compression Platens, 10 mm diameter, 500N Capacity
332371-0010	Compression Platens, 25 mm diameter, 500N Capacity
332371-0020	Compression Platens, 50 mm diameter, 500N Capacity
332372-0030	3-Point Bend Fixture, 10 mm to 100 mm adjustable span, 2 & 4 mm points, 500N Capacity
332372-0040	3- and 4-Point Bend Fixture, 10 mm to 100 mm adjustable lower span, 2 & 4 mm points, 500N Capacity

336964-0010	Miniature 3-Point Bend Fixture, 4 mm to 26 mm adjustable lower span, 450N Capacity
350106-0010	Miniature 3- and 4-Point Bend Fixture, 4 mm to 26 mm adjustable lower span, 450N Capacity
760329-0010	Adapter Kit for RSA Geometries on ElectroForce 3200 and TestBench 200/400N, SST

ElectroForce 200N/400N TestBench Sensors

332042-0240	Load Sensor - 5 Newtons, Calibration included
332042-0050	Load Sensor - 22 Newtons, Calibration included
332042-0140	Load Sensor - 45 Newtons, Calibration included
332042-0070	Load Sensor - 225 Newtons, Calibration included
332042-0250	Submersible Load Sensor - 5 Newtons, Calibration included
332042-0060	Submersible Load Sensor - 22 Newtons, Calibration included
332042-0160	Submersible Load Sensor - 45 Newtons, Calibration included
332042-0080	Submersible Load Sensor - 225 Newtons, Calibration included
332327-0010	Axial/Torsion Load Sensor 225N/2.8 Nm (gained to value), Calibration included
362164-0010	Acceleration compensation option, 100 g accelerometer, 10-32 Threads
362165-0010	Acceleration compensation option, Lightweight housing, 100 g accelerometer, 10-32 Threads Note: For use with load sensor of 10 Newtons or less.
362166-0010	Acceleration compensation option, 100 g accelerometer, Axial/Torsion mounting Note: For use with Axial/Torsion load sensor. Compensates only for linear accelerations.

ElectroForce 200N/400N TestBench Power Accessories

335168-0070	UPS 1500VA 120V, Power Failure Backup for TestBench base system
335168-0100	UPS 2200VA 208/230V, Power Failure Backup for 200N/400N TestBench

ElectroForce 200N/400N TestBench Other Accessories

340261-0010	TestBench Vertical Mounting Legs
752960-0010	System Status Indicator (SSI) Light Kit

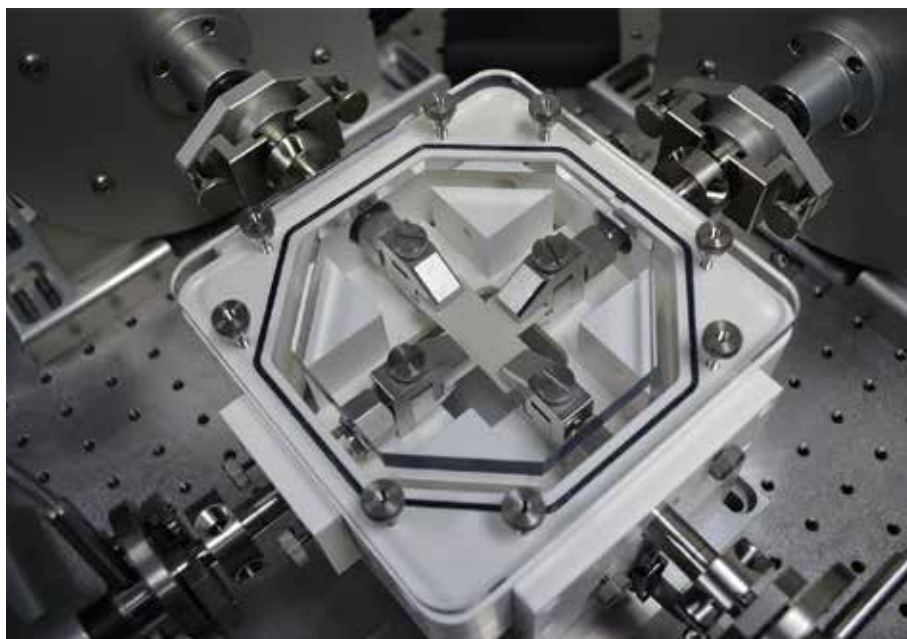
ElectroForce 200N/400N TestBench BioDynamic Fixtures and Sensors

335055-0010	Tensile Grips, Stainless Steel, Grit Blast Grip Face, 200N Capacity
335056-0010	Tensile Grips, Stainless Steel, Knurled Grip Face, 200N Capacity
335054-0010	BioDynamic Tensile Grips, Self-tightening preloading spring grip with a cam lock, 200N Capacity

332540-0010	BioDynamic 4-well Non-Porous Platens, 10 mm Diameter
336965-0010	Miniature 3-Point Bend Fixture, 4 mm to 26 mm adjustable lower span, 200N Capacity
332338-0010	Pressure Sensor, 0 - 500 mmHg Measurement Range, Catheter Type, Calibration included

ElectroForce 200N/400N TestBench Software

337536-0010	Dynamic Link Library <i>Note: Functionality to allow user-written programs using external programs to access test system data and functions. Example compatible programs are LabView, MatLab, Visual Basic.</i>
337534-0010	External Waveform <i>Note: Allows users to program custom waveforms, time histories, or extended function generation sequences to use in tests where a nonstandard or more complex drive function is required.</i>
337537-0010	A/D Mover <i>Note: Optional input channel for user-supplied external function (+/-10V high level analog input typical). Includes interface cable and project file.</i>



Planar Biaxial BioDynamic® Chamber

ElectroForce Planar Biaxial Fixtures

332368-0010	Tension/Compression Grips, Titanium, Knurled Grip Faces, 450N Force Capacity
332368-0020	Tension/Compression Grips, Titanium, V-Cut Grip Faces (2-6 mm dia.), 450N Force Capacity
332283-0010	Additional Tension/Compression Grip Face, Knurled Face <i>Note: For use with 332368-00XX Tension/Compression Grips.</i>
332369-0010	Tension/Compression DMA Grips, Titanium, Knurled Grip Face, 500N Capacity

ElectroForce Planar Biaxial Sensors

332042-0240	Load Sensor - 5 Newtons, Calibration included
332042-0050	Load Sensor - 22 Newtons, Calibration included
332042-0140	Load Sensor - 45 Newtons, Calibration included
332042-0070	Load Sensor - 225 Newtons, Calibration included
332042-0250	Submersible Load Sensor - 5 Newtons, Calibration included
332042-0060	Submersible Load Sensor - 22 Newtons, Calibration included
332042-0160	Submersible Load Sensor - 45 Newtons, Calibration included
332042-0080	Submersible Load Sensor - 225 Newtons, Calibration included
362164-0010	Acceleration compensation option, 100 g accelerometer, 10-32 Threads
362165-0010	Acceleration compensation option, Lightweight housing, 100 g accelerometer, 10-32 Threads <i>Note: For use with load sensor of 10 Newtons or less..</i>

ElectroForce Planar Biaxial Power Accessories

335168-0090	UPS 2000VA 120V, Power Failure Backup for Planar Biaxial
335168-0100	UPS 2200VA 208V/230V, Power Failure Backup for Planar Biaxial

ElectroForce Planar Biaxial Other Accessories

752960-0010	System Status Indicator (SSI) Light Kit
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ElectroForce Planar Biaxial Software

337536-0010	Dynamic Link Library <i>Note: Functionality to allow user-written programs using external programs to access test system data and functions. Example compatible programs are LabView, MatLab, Visual Basic.</i>
337534-0010	External Waveform <i>Note: Allows users to program custom waveforms, time histories, or extended function generation sequences to use in tests where a nonstandard or more complex drive function is required.</i>
337537-0010	A/D Mover <i>Note: Optional input channel for user-supplied external function (+/- 10V high level analog input typical). Includes interface cable and project file.</i>

CARDIOVASCULAR INSTRUMENTS

DuraPulse SGT Sensors

760018-0010	Pressure Sensor, Luer lock fittings, 500 mmHg, Calibration included
332338-0010	Pressure Sensor, Catheter Type, 500 mmHg, Calibration included
331974-0010	Pressure Sensor, Cavity Type, 1250 mmHg, Calibration included

DuraPulse Stent/Graft Test Instrument Accessories

760152-0010	12 Tube Manifold Kit for DuraPulse SGT Instrument
760151-0010	8 Tube Manifold Kit for DuraPulse SGT Instrument
760150-0010	6 Tube Manifold Kit for DuraPulse SGT Instrument
760153-0010	4B Tube Manifold Kit for DuraPulse SGT Instrument

DuraPulse Stent/Graft Test Instrument Spare Parts

332365-0010	SGT Bellow Assembly, 57.7 mm ID, Quantity 2 Bellows <i>Note: Compatible with 9110, 9120, 9210 and DP SGT-12, DP SGT-8 and DP SGT-4B Instruments.</i>
332364-0010	SGT Bellow Assembly, 81.8 mm ID, Quantity 2 Bellows <i>Note: Compatible with 9150, 9400 and DuraPulse SGT-6 Instruments.</i>

DuraPulse HVT Sensors

760018-0010	Pressure Sensor, Luer lock fittings, 500 mmHg, Calibration included
332338-0010	Pressure Sensor, 0 - 500 mmHg Measurement Range, Catheter Type, Calibration included

DuraPulse HVT Power Accessories

335168-0070	UPS 1500VA 120V, Power Failure Backup for 120V DuraPulse HVT-2 & HVT-4 Instruments
335168-0090	UPS 2000VA 120V, Power Failure Backup for 120V DuraPulse HVT-6 Instruments
335168-0100	UPS 2200VA 208V/230V, Power Failure Backup for 230V DuraPulse HVT-2, HVT-4 & HVT-6 Instruments

DuraPulse HVT Other Accessories

729972-0020	45mm Diameter Valve Holder for DuraPulse HVT
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DuraPulse HVT Spare Parts

729981-0010	HVT Bellow Assembly, 57.7 mm ID, Quantity 1 Bellow <i>Note: Compatible only with DuraPulse HVT Instruments.</i>
731031-0010	DuraPulse Spare Parts Accessory Kit

BIOREACTORS

ElectroForce BioDynamic 5100 & 5200 Fixtures

Note: These grips for use on BioDynamic 5100 & 5200 Test Instruments are not compatible with BioDynamic Pulsatile Test Instruments.

335055-0010	Tensile Grips, Stainless Steel, Grit Blast Grip Face, 200N Capacity
335056-0010	Tensile Grips, Stainless Steel, Knurled Grip Face, 200N Capacity
335054-0010	BioDynamic Tensile Grips, Self-tightening preloading spring grip with a cam lock, 200N Capacity
332540-0010	BioDynamic 4-well Non-Porous Platens, 10 mm Diameter
336965-0010	Miniature 3-Point Bend Fixture, 4 mm to 26 mm adjustable lower span, 200N Capacity

ElectroForce BioDynamic Sensors

332325-0010	Load Sensor - 22 Newtons, Extended Cable, Calibration included <i>Note: Load Sensor is not used on BioDynamic Pulsatile test instruments.</i>
332338-0010	Pressure Sensor, 0 - 500 mmHg Measurement Range, Catheter Type, Calibration included

ElectroForce BioDynamic Power Accessories

335168-0070	UPS 1500VA 120V, Power Failure Backup for BioDynamic Pulsatile and 5100
335168-0090	UPS 2200VA 120V, Power Failure Backup for BioDynamic 5200
335168-0100	UPS 2200VA 208/230V, Power Failure Backup for BioDynamic Pulsatile, 5100 and 5200

ElectroForce BioDynamic Other Accessories

752960-0010	System Status Indicator (SSI) Light Kit
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ElectroForce BioDynamic Software

337536-0010	Dynamic Link Library <i>Note: Functionality to allow user-written programs using external programs to access test system data and functions. Example compatible programs are LabView, MatLab, Visual Basic.</i>
337534-0010	External Waveform <i>Note: Allows users to program custom waveforms, time histories, or extended function generation sequences to use in tests where a nonstandard or more complex drive function is required.</i>
337537-0010	A/D Mover <i>Note: Optional input channel for user-supplied external function (+/-10V high level analog input typical). Includes interface cable and project file.</i>



AMERICAS

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