

DRILLS USED IN **μHELIX Test Probe SOCKET AND FIXTURE CONSTRUCTION**

Part Number	DESCRIPTION	PRICE	APPLICATION
201316	#96 160 μm (.0063")	\$30.00 ea	S200 pin
201308	#97 150 μm (.0059")	\$30.00 ea	S200 pin (higher pointing accuracy)
201317	#88 240 μm (.0094")	\$20.00 ea	S200 spring, S300 pin
201307	#89 231 μm (.0091")	\$20.00 ea	S200 spring (254 μm centers)
201307	#89 231 μm (.0091")	\$20.00 ea	S300 pin (higher pointing accuracy)
201309	#80 343 μm (.0135")	\$10.00 ea	S300 spring
201309	#80 343 μm (.0135")	\$10.00 ea	S400 pin
201310	#77 457 μm (.0180")	\$ 5.00 ea	S400 spring
201311	#74 572 μm (.0225")	\$ 5.00 ea	S500 spring
201312	1/64" 397 μm (.0156")	\$ 5.00 ea	S500 pin
201355	#94 180 μm (.0071")	\$25.00 ea	
201356	#85 280 μm (.0110")	\$15.00 ea	
201408	#92 200 μm (.0079")	\$20.00 ea	i/o end drill for S200////S-400a probes
201409	#83 305 μm (.012")	\$15.00 ea	i/o end drill for S300////S-500a probes
201410	#78 400 μm (.016")	\$10.00 ea	i/o end drill for S400////S-635a probes
201411	#76 508 μm (.020")	\$ 5.00 ea	i/o end drill for S500////S-635a probes

* The *plunger-guide* drill listed for the S200 and S300 Series probes compromises pointing accuracy in favor of quicker, easier machining. Small diameter, high aspect ratio holes can vary slightly in diameter due to variances in drill size (in spite of the specified size), variation in drill feed-rate, spindle speed, and peck pattern. Careful machining practices and drill selection allows better pointing accuracy with the alternative drills listed (#97 and #89).

Sets of drills available from *AlphaTest*

Part Number	Application
201358	S200 drill set containing: 201317, #88 probe-guide drill 201358, #96 plunger-guide drill
201359	S300 drill set containing: 201309, #80 probe-guide drill 201317, #88 plunger-guide drill
201360	S400 drill set containing: 201310, #77 probe-guide drill 201309, #80 plunger-guide drill
201361	S500 drill set containing: 201311, #74 probe-guide drill 201312, 1/64" plunger-guide drill
201362	S200////S-400a drill set containing: 201317, #88 probe-guide drill 201358, #96 plunger-guide drill 201355, #92 i/o-end-guide drill
201363	S300////S-500a drill set containing: 201309, #80 probe-guide drill 201317, #88 plunger-guide drill 201409, #83 i/o-end-guide drill
201364	S400////S-635a drill set containing: 201308, #77 probe-guide drill 201307, #80 plunger-guide drill 201312, #78 i/o-end-guide drill
201365	S500////S-635a drill set containing: 201311, #74 probe-guide drill 201312, 1/64" plunger-guide drill 201411, #76 i/o-end-guide drill

Individual drills available from *AlphaTest* by Part Number:

AlphaTest Part Number: 201307

DESCRIPTION:

Drill #89 231 μ m, (.0091") with .125" shank.

Use to drill *probe-guide* hole for S200 Series Test Probes in close-center applications *requiring 254 μ m* (0.010") center-to-center placement of S200 Series probes.

minimum order qty: 1

unit price: \$20.00

delivery: < 2 weeks

AlphaTest Part Number: 201308

DESCRIPTION:

Drill #97 150 μ m, (.0059") with .125" shank.

Use to counter drill the *plunger-guide* hole for S200 Series Test Probes in high pointing accuracy applications where target size is under 130 μ m (.005") exists or where $\pm 10 \mu$ m pointing accuracy is required.

minimum order qty: 1

unit price: \$30.00

delivery: < 2 weeks

AlphaTest Part Number: 201309

DESCRIPTION:

Drill #80 343 μ m, (.0135") with .125" shank.

Use to drill the *probe-guide* hole for S300 Series Test Probes.

Use to drill the *plunger-guide* hole for S400 Series Test Probes.

minimum order qty: 1

unit price: \$10.00

delivery: < 2 weeks

AlphaTest Part Number: 201310

DESCRIPTION:

Drill #77 457 μ m, (.0180") with .125" shank.

Use to drill the *probe-guide* hole for S400 Series Test Probes.

minimum order qty: 1

unit price: \$5.00

delivery: < 2 weeks

AlphaTest Part Number: 201311

DESCRIPTION:

Drill #74 572 μ m, (.0225") with .125" shank.

Use to drill the *probe-guide* hole for S500 Series Test Probes.

minimum order qty: 1

unit price: \$5.00

delivery: < 2 weeks

AlphaTest Part Number: 201355

DESCRIPTION:

Drill #94 180 μ m, (.0071") with .125" shank.

Not used with standard probes..

minimum order qty: 1

unit price: \$25.00

delivery: < 2 weeks

Individual drills available from *AlphaTest* by Part Number:

AlphaTest Part Number: 201356

DESCRIPTION:

Drill #85 280 μ m, (.0110") with .125" shank.

Not used with standard probes.

minimum order qty: 1

unit price: \$15.00

delivery: < 2 weeks

AlphaTest Part Number: 201408

DESCRIPTION:

Drill #92 200 μ m, (.0079") with .125" shank.

Use to drill the *probe-guide* hole for S200////S-400a Series Test Probes.

minimum order qty: 1

unit price: \$20.00

delivery: < 2 weeks

AlphaTest Part Number: 201409

DESCRIPTION:

Drill #83 305 μ m, (.0120") with .125" shank.

Use to drill the *probe-guide* hole for S300////S-500a Series Test Probes.

minimum order qty: 1

unit price: \$15.00

delivery: < 2 weeks

AlphaTest Part Number: 201410

DESCRIPTION:

Drill #78 400 μ m, (.0160") with .125" shank.

Use to drill the *probe-guide* hole for S400////S-635a Series Test Probes.

minimum order qty: 1

unit price: \$10.00

delivery: < 2 weeks

AlphaTest Part Number: 201411

DESCRIPTION:

Drill #76 508 μ m, (.020") with .125" shank.

Use to drill the *probe-guide* hole for S500////S-635a Series Test Probes.

minimum order qty: 1

unit price: \$5.00

delivery: < 2 weeks

AlphaTest Part Number: 201312

DESCRIPTION:

Drill 1/64" 397 μ m, (.0156") with .125" shank.

Use to counter drill the *plunger-guide* hole for S500 Series Test Probes.

minimum order qty: 1

unit price: \$5.00

delivery: < 2 weeks

AlphaTest Part Number: 201317

DESCRIPTION:

Drill #88 240 μ m, (.0094") with .125" shank.

Use to drill the *probe-guide* hole for S200 Series Test Probes.

Use to drill the *plunger-guide* hole for S300 Series Test Probes.

NOTE: applications requiring the closest center-to-center spacing should use #89 drill for S200 *probe-guide* holes.

minimum order qty: 1

unit price: \$20.00

delivery: < 2 weeks

DRILL SOURCES:***AlphaTest Corporation***

557 E Juanita Avenue, Suite 6, Mesa AZ 85204-6537 USA

Phone: 480-545-5518 FAX: 480-5455-5521

E-mail: message@alphatest.com

URL: www.alphatest.com

In general, drills can be purchased from the following (and other) suppliers by description and size (not by AlphaTest Part Number).

MSC INDUSTRIAL SUPPLY, on-line orders accepted

Within the USA:

Phone: 800-876-8688, New York NY USA

Outside the USA

Phone: 800-876-8688, Houston Texas USA

FAX: 713-864-5646, Houston Texas USA, ATTN: Raul Garza

E-mail: orders@mscdirect.com

URL: www.mscdirect.com

TOOLNET

2015 East 5th Street, Suite

Tempe Arizona 85281

Phone: 480-967-1211

FAX: 480-829-6705

Email: ertool@msn.com

IRCO

406 South Price Road

Tempe AZ 85281 USA

Phone: 480-829-6700

FAX: 480-829-1414

E-mail: sales@uswest.net

DRILLS USED IN **μHELIX Test Probe SOCKET AND FIXTURE CONSTRUCTION**

Part Number	DESCRIPTION	PRICE	APPLICATION
201316	#96 160 μm (.0063")	\$30.00 ea	S200 pin
201308	#97 150 μm (.0059")	\$30.00 ea	S200 pin (higher pointing accuracy)
201317	#88 240 μm (.0094")	\$20.00 ea	S200 spring, S300 pin
201307	#89 231 μm (.0091")	\$20.00 ea	S200 spring (254 μm centers)
201307	#89 231 μm (.0091")	\$20.00 ea	S300 pin (higher pointing accuracy)
201309	#80 343 μm (.0135")	\$10.00 ea	S300 spring
201309	#80 343 μm (.0135")	\$10.00 ea	S400 pin
201310	#77 457 μm (.0180")	\$ 5.00 ea	S400 spring
201311	#74 572 μm (.0225")	\$ 5.00 ea	S500 spring
201312	1/64" 397 μm (.0156")	\$ 5.00 ea	S500 pin
201355	#94 180 μm (.0071")	\$25.00 ea	
201356	#85 280 μm (.0110")	\$15.00 ea	
201408	#92 200 μm (.0079")	\$20.00 ea	i/o end drill for S200////S-400a probes
201409	#83 305 μm (.012")	\$15.00 ea	i/o end drill for S300////S-500a probes
201410	#78 400 μm (.016")	\$10.00 ea	i/o end drill for S400////S-635a probes
201411	#76 508 μm (.020")	\$ 5.00 ea	i/o end drill for S500////S-635a probes

* The *plunger-guide* drill listed for the S200 and S300 Series probes compromises pointing accuracy in favor of quicker, easier machining. Small diameter, high aspect ratio holes can vary slightly in diameter due to variances in drill size (in spite of the specified size), variation in drill feed-rate, spindle speed, and peck pattern. Careful machining practices and drill selection allows better pointing accuracy with the alternative drills listed (#97 and #89).

Sets of drills available from *AlphaTest*

Part Number	Application
201358	S200 drill set containing: 201317, #88 probe-guide drill 201358, #96 plunger-guide drill
201359	S300 drill set containing: 201309, #80 probe-guide drill 201317, #88 plunger-guide drill
201360	S400 drill set containing: 201310, #77 probe-guide drill 201309, #80 plunger-guide drill
201361	S500 drill set containing: 201311, #74 probe-guide drill 201312, 1/64" plunger-guide drill
201362	S200////S-400a drill set containing: 201317, #88 probe-guide drill 201358, #96 plunger-guide drill 201355, #92 i/o-end-guide drill
201363	S300////S-500a drill set containing: 201309, #80 probe-guide drill 201317, #88 plunger-guide drill 201409, #83 i/o-end-guide drill
201364	S400////S-635a drill set containing: 201308, #77 probe-guide drill 201307, #80 plunger-guide drill 201312, #78 i/o-end-guide drill
201365	S500////S-635a drill set containing: 201311, #74 probe-guide drill 201312, 1/64" plunger-guide drill 201411, #76 i/o-end-guide drill

Individual drills available from *AlphaTest* by Part Number:

AlphaTest Part Number: 201307

DESCRIPTION:

Drill #89 231 μ m, (.0091") with .125" shank.

Use to drill *probe-guide* hole for S200 Series Test Probes in close-center applications *requiring 254 μ m* (0.010") center-to-center placement of S200 Series probes.

minimum order qty: 1

unit price: \$20.00

delivery: < 2 weeks

AlphaTest Part Number: 201308

DESCRIPTION:

Drill #97 150 μ m, (.0059") with .125" shank.

Use to counter drill the *plunger-guide* hole for S200 Series Test Probes in high pointing accuracy applications where target size is under 130 μ m (.005") exists or where $\pm 10 \mu$ m pointing accuracy is required.

minimum order qty: 1

unit price: \$30.00

delivery: < 2 weeks

AlphaTest Part Number: 201309

DESCRIPTION:

Drill #80 343 μ m, (.0135") with .125" shank.

Use to drill the *probe-guide* hole for S300 Series Test Probes.

Use to drill the *plunger-guide* hole for S400 Series Test Probes.

minimum order qty: 1

unit price: \$10.00

delivery: < 2 weeks

AlphaTest Part Number: 201310

DESCRIPTION:

Drill #77 457 μ m, (.0180") with .125" shank.

Use to drill the *probe-guide* hole for S400 Series Test Probes.

minimum order qty: 1

unit price: \$5.00

delivery: < 2 weeks

AlphaTest Part Number: 201311

DESCRIPTION:

Drill #74 572 μ m, (.0225") with .125" shank.

Use to drill the *probe-guide* hole for S500 Series Test Probes.

minimum order qty: 1

unit price: \$5.00

delivery: < 2 weeks

AlphaTest Part Number: 201355

DESCRIPTION:

Drill #94 180 μ m, (.0071") with .125" shank.

Not used with standard probes..

minimum order qty: 1

unit price: \$25.00

delivery: < 2 weeks

Individual drills available from *AlphaTest* by Part Number:

AlphaTest Part Number: 201356

DESCRIPTION:

Drill #85 280 μ m, (.0110") with .125" shank.

Not used with standard probes.

minimum order qty: 1

unit price: \$15.00

delivery: < 2 weeks

AlphaTest Part Number: 201408

DESCRIPTION:

Drill #92 200 μ m, (.0079") with .125" shank.

Use to drill the *probe-guide* hole for S200////S-400a Series Test Probes.

minimum order qty: 1

unit price: \$20.00

delivery: < 2 weeks

AlphaTest Part Number: 201409

DESCRIPTION:

Drill #83 305 μ m, (.0120") with .125" shank.

Use to drill the *probe-guide* hole for S300////S-500a Series Test Probes.

minimum order qty: 1

unit price: \$15.00

delivery: < 2 weeks

AlphaTest Part Number: 201410

DESCRIPTION:

Drill #78 400 μ m, (.0160") with .125" shank.

Use to drill the *probe-guide* hole for S400////S-635a Series Test Probes.

minimum order qty: 1

unit price: \$10.00

delivery: < 2 weeks

AlphaTest Part Number: 201411

DESCRIPTION:

Drill #76 508 μ m, (.020") with .125" shank.

Use to drill the *probe-guide* hole for S500////S-635a Series Test Probes.

minimum order qty: 1

unit price: \$5.00

delivery: < 2 weeks

AlphaTest Part Number: 201312

DESCRIPTION:

Drill 1/64" 397 μ m, (.0156") with .125" shank.

Use to counter drill the *plunger-guide* hole for S500 Series Test Probes.

minimum order qty: 1

unit price: \$5.00

delivery: < 2 weeks

AlphaTest Part Number: 201317

DESCRIPTION:

Drill #88 240 μ m, (.0094") with .125" shank.

Use to drill the *probe-guide* hole for S200 Series Test Probes.

Use to drill the *plunger-guide* hole for S300 Series Test Probes.

NOTE: applications requiring the closest center-to-center spacing should use #89 drill for S200 *probe-guide* holes.

minimum order qty: 1

unit price: \$20.00

delivery: < 2 weeks

DRILLS USED IN **μHELIX Test Probe SOCKET AND FIXTURE CONSTRUCTION**

Part Number	DESCRIPTION	PRICE	APPLICATION
201316	#96 160 μm (.0063")	\$30.00 ea	S200 pin
201308	#97 150 μm (.0059")	\$30.00 ea	S200 pin (higher pointing accuracy)
201317	#88 240 μm (.0094")	\$20.00 ea	S200 spring, S300 pin
201307	#89 231 μm (.0091")	\$20.00 ea	S200 spring (254 μm centers)
201307	#89 231 μm (.0091")	\$20.00 ea	S300 pin (higher pointing accuracy)
201309	#80 343 μm (.0135")	\$10.00 ea	S300 spring
201309	#80 343 μm (.0135")	\$10.00 ea	S400 pin
201310	#77 457 μm (.0180")	\$ 5.00 ea	S400 spring
201311	#74 572 μm (.0225")	\$ 5.00 ea	S500 spring
201312	1/64" 397 μm (.0156")	\$ 5.00 ea	S500 pin
201355	#94 180 μm (.0071")	\$25.00 ea	
201356	#85 280 μm (.0110")	\$15.00 ea	
201408	#92 200 μm (.0079")	\$20.00 ea	i/o end drill for S200////S-400a probes
201409	#83 305 μm (.012")	\$15.00 ea	i/o end drill for S300////S-500a probes
201410	#78 400 μm (.016")	\$10.00 ea	i/o end drill for S400////S-635a probes
201411	#76 508 μm (.020")	\$ 5.00 ea	i/o end drill for S500////S-635a probes

* The *plunger-guide* drill listed for the S200 and S300 Series probes compromises pointing accuracy in favor of quicker, easier machining. Small diameter, high aspect ratio holes can vary slightly in diameter due to variances in drill size (in spite of the specified size), variation in drill feed-rate, spindle speed, and peck pattern. Careful machining practices and drill selection allows better pointing accuracy with the alternative drills listed (#97 and #89).

Sets of drills available from *AlphaTest*

Part Number	Application
201358	S200 drill set containing: 201317, #88 probe-guide drill 201358, #96 plunger-guide drill
201359	S300 drill set containing: 201309, #80 probe-guide drill 201317, #88 plunger-guide drill
201360	S400 drill set containing: 201310, #77 probe-guide drill 201309, #80 plunger-guide drill
201361	S500 drill set containing: 201311, #74 probe-guide drill 201312, 1/64" plunger-guide drill
201362	S200////S-400a drill set containing: 201317, #88 probe-guide drill 201358, #96 plunger-guide drill 201355, #92 i/o-end-guide drill
201363	S300////S-500a drill set containing: 201309, #80 probe-guide drill 201317, #88 plunger-guide drill 201409, #83 i/o-end-guide drill
201364	S400////S-635a drill set containing: 201308, #77 probe-guide drill 201307, #80 plunger-guide drill 201312, #78 i/o-end-guide drill
201365	S500////S-635a drill set containing: 201311, #74 probe-guide drill 201312, 1/64" plunger-guide drill 201411, #76 i/o-end-guide drill

Individual drills available from *AlphaTest* by Part Number:

AlphaTest Part Number: 201307

DESCRIPTION:

Drill #89 231 μ m, (.0091") with .125" shank.

Use to drill *probe-guide* hole for S200 Series Test Probes in close-center applications *requiring 254 μ m* (0.010") center-to-center placement of S200 Series probes.

minimum order qty: 1

unit price: \$20.00

delivery: < 2 weeks

AlphaTest Part Number: 201308

DESCRIPTION:

Drill #97 150 μ m, (.0059") with .125" shank.

Use to counter drill the *plunger-guide* hole for S200 Series Test Probes in high pointing accuracy applications where target size is under 130 μ m (.005") exists or where $\pm 10 \mu$ m pointing accuracy is required.

minimum order qty: 1

unit price: \$30.00

delivery: < 2 weeks

AlphaTest Part Number: 201309

DESCRIPTION:

Drill #80 343 μ m, (.0135") with .125" shank.

Use to drill the *probe-guide* hole for S300 Series Test Probes.

Use to drill the *plunger-guide* hole for S400 Series Test Probes.

minimum order qty: 1

unit price: \$10.00

delivery: < 2 weeks

AlphaTest Part Number: 201310

DESCRIPTION:

Drill #77 457 μ m, (.0180") with .125" shank.

Use to drill the *probe-guide* hole for S400 Series Test Probes.

minimum order qty: 1

unit price: \$5.00

delivery: < 2 weeks

AlphaTest Part Number: 201311

DESCRIPTION:

Drill #74 572 μ m, (.0225") with .125" shank.

Use to drill the *probe-guide* hole for S500 Series Test Probes.

minimum order qty: 1

unit price: \$5.00

delivery: < 2 weeks

AlphaTest Part Number: 201355

DESCRIPTION:

Drill #94 180 μ m, (.0071") with .125" shank.

Not used with standard probes..

minimum order qty: 1

unit price: \$25.00

delivery: < 2 weeks

Individual drills available from *AlphaTest* by Part Number:

AlphaTest Part Number: 201356

DESCRIPTION:

Drill #85 280 μ m, (.0110") with .125" shank.

Not used with standard probes.

minimum order qty: 1

unit price: \$15.00

delivery: < 2 weeks

AlphaTest Part Number: 201408

DESCRIPTION:

Drill #92 200 μ m, (.0079") with .125" shank.

Use to drill the *probe-guide* hole for S200////S-400a Series Test Probes.

minimum order qty: 1

unit price: \$20.00

delivery: < 2 weeks

AlphaTest Part Number: 201409

DESCRIPTION:

Drill #83 305 μ m, (.0120") with .125" shank.

Use to drill the *probe-guide* hole for S300////S-500a Series Test Probes.

minimum order qty: 1

unit price: \$15.00

delivery: < 2 weeks

AlphaTest Part Number: 201410

DESCRIPTION:

Drill #78 400 μ m, (.0160") with .125" shank.

Use to drill the *probe-guide* hole for S400////S-635a Series Test Probes.

minimum order qty: 1

unit price: \$10.00

delivery: < 2 weeks

AlphaTest Part Number: 201411

DESCRIPTION:

Drill #76 508 μ m, (.020") with .125" shank.

Use to drill the *probe-guide* hole for S500////S-635a Series Test Probes.

minimum order qty: 1

unit price: \$5.00

delivery: < 2 weeks

AlphaTest Part Number: 201312

DESCRIPTION:

Drill 1/64" 397 μ m, (.0156") with .125" shank.

Use to counter drill the *plunger-guide* hole for S500 Series Test Probes.

minimum order qty: 1

unit price: \$5.00

delivery: < 2 weeks

AlphaTest Part Number: 201317

DESCRIPTION:

Drill #88 240 μ m, (.0094") with .125" shank.

Use to drill the *probe-guide* hole for S200 Series Test Probes.

Use to drill the *plunger-guide* hole for S300 Series Test Probes.

NOTE: applications requiring the closest center-to-center spacing should use #89 drill for S200 *probe-guide* holes.

minimum order qty: 1

unit price: \$20.00

delivery: < 2 weeks

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201307	#89 231 μm (.0091")	\$20.00 ea	S300 pin (higher pointing accuracy)
201309	#80 343 μm (.0135")	\$10.00 ea	S300 spring
201309	#80 343 μm (.0135")	\$10.00 ea	S400 pin
201310	#77 457 μm (.0180")	\$ 5.00 ea	S400 spring
201311	#74 572 μm (.0225")	\$ 5.00 ea	S500 spring
201312	1/64" 397 μm (.0156")	\$ 5.00 ea	S500 pin
201355	#94 180 μm (.0071")	\$25.00 ea	
201356	#85 280 μm (.0110")	\$15.00 ea	
201408	#92 200 μm (.0079")	\$20.00 ea	i/o end drill for S200////S-400a probes
201409	#83 305 μm (.012")	\$15.00 ea	i/o end drill for S300////S-500a probes
201410	#78 400 μm (.016")	\$10.00 ea	i/o end drill for S400////S-635a probes
201411	#76 508 μm (.020")	\$ 5.00 ea	i/o end drill for S500////S-635a probes

* The *plunger-guide* drill listed for the S200 and S300 Series probes compromises pointing accuracy in favor of quicker, easier machining. Small diameter, high aspect ratio holes can vary slightly in diameter due to variances in drill size (in spite of the specified size), variation in drill feed-rate, spindle speed, and peck pattern. Careful machining practices and drill selection allows better pointing accuracy with the alternative drills listed (#97 and #89).

Sets of drills available from *AlphaTest*

Part Number	Application
201358	S200 drill set containing: 201317, #88 probe-guide drill 201358, #96 plunger-guide drill
201359	S300 drill set containing: 201309, #80 probe-guide drill 201317, #88 plunger-guide drill
201360	S400 drill set containing: 201310, #77 probe-guide drill 201309, #80 plunger-guide drill
201361	S500 drill set containing: 201311, #74 probe-guide drill 201312, 1/64" plunger-guide drill
201362	S200////S-400a drill set containing: 201317, #88 probe-guide drill 201358, #96 plunger-guide drill 201355, #92 i/o-end-guide drill
201363	S300////S-500a drill set containing: 201309, #80 probe-guide drill 201317, #88 plunger-guide drill 201409, #83 i/o-end-guide drill
201364	S400////S-635a drill set containing: 201308, #77 probe-guide drill 201307, #80 plunger-guide drill 201312, #78 i/o-end-guide drill
201365	S500////S-635a drill set containing: 201311, #74 probe-guide drill 201312, 1/64" plunger-guide drill 201411, #76 i/o-end-guide drill

Individual drills available from *AlphaTest* by Part Number:

AlphaTest Part Number: 201307

DESCRIPTION:

Drill #89 231 μ m, (.0091") with .125" shank.

Use to drill *probe-guide* hole for S200 Series Test Probes in close-center applications *requiring 254 μ m* (0.010") center-to-center placement of S200 Series probes.

minimum order qty: 1

unit price: \$20.00

delivery: < 2 weeks

AlphaTest Part Number: 201308

DESCRIPTION:

Drill #97 150 μ m, (.0059") with .125" shank.

Use to counter drill the *plunger-guide* hole for S200 Series Test Probes in high pointing accuracy applications where target size is under 130 μ m (.005") exists or where $\pm 10 \mu$ m pointing accuracy is required.

minimum order qty: 1

unit price: \$30.00

delivery: < 2 weeks

AlphaTest Part Number: 201309

DESCRIPTION:

Drill #80 343 μ m, (.0135") with .125" shank.

Use to drill the *probe-guide* hole for S300 Series Test Probes.

Use to drill the *plunger-guide* hole for S400 Series Test Probes.

minimum order qty: 1

unit price: \$10.00

delivery: < 2 weeks

AlphaTest Part Number: 201310

DESCRIPTION:

Drill #77 457 μ m, (.0180") with .125" shank.

Use to drill the *probe-guide* hole for S400 Series Test Probes.

minimum order qty: 1

unit price: \$5.00

delivery: < 2 weeks

AlphaTest Part Number: 201311

DESCRIPTION:

Drill #74 572 μ m, (.0225") with .125" shank.

Use to drill the *probe-guide* hole for S500 Series Test Probes.

minimum order qty: 1

unit price: \$5.00

delivery: < 2 weeks

AlphaTest Part Number: 201355

DESCRIPTION:

Drill #94 180 μ m, (.0071") with .125" shank.

Not used with standard probes..

minimum order qty: 1

unit price: \$25.00

delivery: < 2 weeks

Individual drills available from *AlphaTest* by Part Number:

AlphaTest Part Number: 201356

DESCRIPTION:

Drill #85 280 μ m, (.0110") with .125" shank.

Not used with standard probes.

minimum order qty: 1

unit price: \$15.00

delivery: < 2 weeks

AlphaTest Part Number: 201408

DESCRIPTION:

Drill #92 200 μ m, (.0079") with .125" shank.

Use to drill the *probe-guide* hole for S200////S-400a Series Test Probes.

minimum order qty: 1

unit price: \$20.00

delivery: < 2 weeks

AlphaTest Part Number: 201409

DESCRIPTION:

Drill #83 305 μ m, (.0120") with .125" shank.

Use to drill the *probe-guide* hole for S300////S-500a Series Test Probes.

minimum order qty: 1

unit price: \$15.00

delivery: < 2 weeks

AlphaTest Part Number: 201410

DESCRIPTION:

Drill #78 400 μ m, (.0160") with .125" shank.

Use to drill the *probe-guide* hole for S400////S-635a Series Test Probes.

minimum order qty: 1

unit price: \$10.00

delivery: < 2 weeks

AlphaTest Part Number: 201411

DESCRIPTION:

Drill #76 508 μ m, (.020") with .125" shank.

Use to drill the *probe-guide* hole for S500////S-635a Series Test Probes.

minimum order qty: 1

unit price: \$5.00

delivery: < 2 weeks

AlphaTest Part Number: 201312

DESCRIPTION:

Drill 1/64" 397 μ m, (.0156") with .125" shank.

Use to counter drill the *plunger-guide* hole for S500 Series Test Probes.

minimum order qty: 1

unit price: \$5.00

delivery: < 2 weeks

AlphaTest Part Number: 201317

DESCRIPTION:

Drill #88 240 μ m, (.0094") with .125" shank.

Use to drill the *probe-guide* hole for S200 Series Test Probes.

Use to drill the *plunger-guide* hole for S300 Series Test Probes.

NOTE: applications requiring the closest center-to-center spacing should use #89 drill for S200 *probe-guide* holes.

minimum order qty: 1

unit price: \$20.00

delivery: < 2 weeks

