



KOH-I-NOOR®

RAPIDOGRAPH®

TECHINCAL PEN SERIES 3165

RAPIDOGRAPH® PARTS



POINT SIZE CHART

6x0	4x0	3x0	00	0	1	2	2.5	3	4
.13	.18	.25	.30	.35	.50	.60	.70	.80	1.20
.005 in.	.007 in.	.010 in.	.012 in.	.014 in.	.020 in.	.024 in.	.028 in.	.031 in.	.047 in.
.13 mm	.18 mm	.25 mm	.30 mm	.35 mm	.50 mm	.60 mm	.70 mm	.80 mm	1.20 mm

Grey-toned squares indicate those metric point sizes in the geometric progression of the square root of 2 (1.414). 72D series nibs are compatible replacements for the 3165 series Rapidograph® Pens.

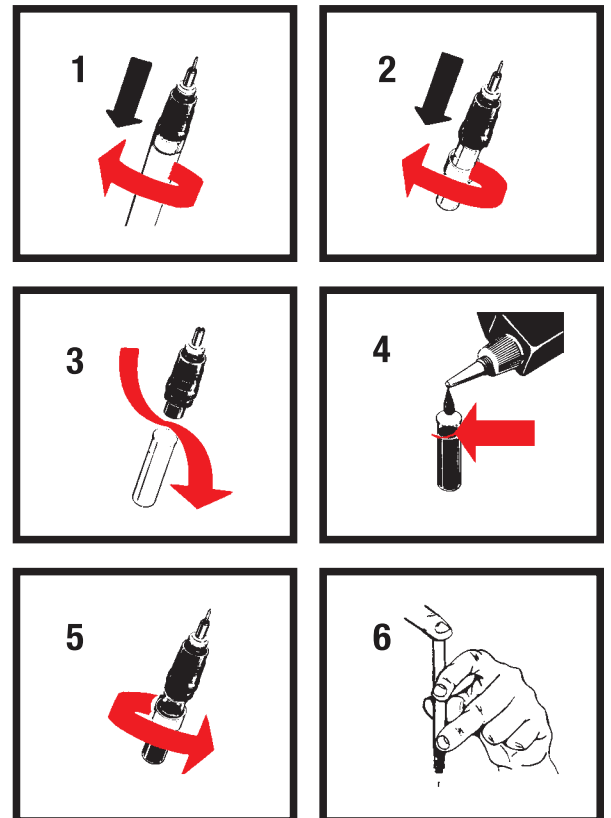
PEN CARE GUIDE

FILLING:

Unscrew cap (1) and clamp ring (2) from the pen body. Pull ink reservoir from pen body using a slight twist (3). Fill reservoir with ink to the fill line approx. 1/4" from top (4). Slowly press pen body down into the filled ink reservoir using a slight twist. Replace clamp ring and secure the reservoir (5) and thread holder onto the pen body. **NOTE: Fill only with Koh-I-Noor® inks. Other brand inks may not be suitable for use in Rapidograph® Pens and may adversely affect overall pen performance.**

START-UP:

To start ink flow, hold pen point down and tap the back of the holder gently (6). Holding pen in a vertical position, draw on scrap drawing media until good ink flow appears. Once the pen is started, *do not shake the pen*. Shaking will cause the pen to eventually leak. Do not tap the pen nib or attempt to pump the nib to activate as it may damage the point. After each use and before capping the pen, wipe nib with a lint-free cloth saturated with Rapido-eze® Pen Cleaner to remove any dried and to prevent from clogging. The patented airtight dry, double-seal™ cap liner prevents ink from drying in the nib when the cap is replaced securely after each use.



PEN CARE GUIDE

RE-STARTING:

If ink does not start to flow automatically, dip the nib in Rapido-Eze® (7) and wipe with a lint-free cloth. To re-start ink flow, do not shake the pen. Hold the pen point up and tap the back of the pen on a hard surface several times (8). Wipe off pen tip and check for ink flow by drawing on scrap drawing media. If ink does not flow, the pen needs to be cleaned. **WARNING: persistent tapping of small pen sizes 6x0 and 4x0 may damage the pen nib. If the pen does not start, disassemble and clean using the following instructions.**

CLEANING:

Cleaning is recommended before each refilling or if the ink will be stored for longer than two weeks. Disassemble the pen following instructions (1-3) on the first page of this care guide. Gently tap rear of pen body on paper and wipe with a lint free cloth saturated in Rapido-Eze® Pen Cleaner to remove residual ink (9). Using the nib key, unscrew the nib from the pen body (10). Thread nib into a Koh-I-Noor® pressure-bulb cleaning syringe, available separately (11). First, flush several times with water to remove residual ink. Next, flush several times with Koh-I-Noor® Rapido-Eze® Pen Cleaner, which is designed specifically to remove dry Koh-I-Noor® ink residue. Finally, flush again with clean water. Soaking the nib and pen body overnight in Rapido-Eze may sometimes be necessary when extremely dirty or clogged (12). An ultrasonic jewelry cleaner can also be used with Rapido-Eze® for cleaning all pen parts. Clean with ultrasonic action for no more than 2 minutes at a time. Rinse pen nib with pressure bulb syringe. Rinse all parts under lukewarm running water. Reassemble the nib into the pen body until it is finger tight. Do not use the nib key to tighten. If storing the pen, empty the ink from it and clean it before storing. If re-using immediately, fill ink reservoir and follow start-up instructions.

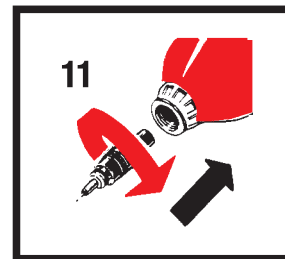
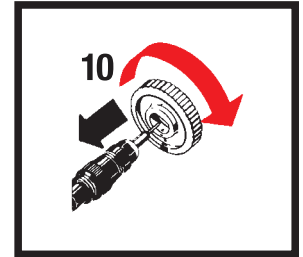
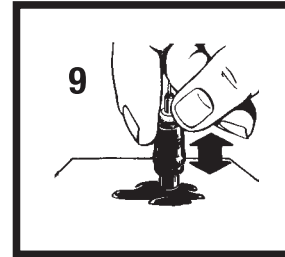
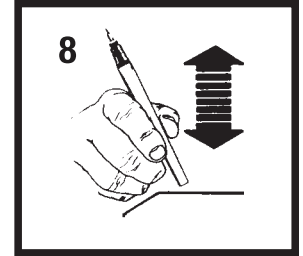
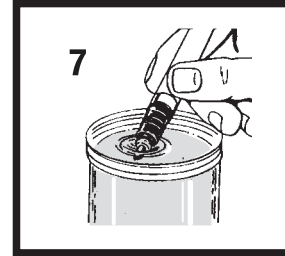
SERVICE POLICY:

Should your Series 3165 Koh-I-Noor® RapidoGraph® technical pen require servicing, it should be sent to Chartpak, Inc.

Attn: Pen Service Department
1 River Road
Leeds, MA 01053

Pack your pen securely. Chartpak is not responsible for damage or loss occurring in shipment when receiving or returning your pen for service. All repairs are subject to a minimum service and handling charge of \$10.00 US, \$14.00 Canadian for stainless steel points, plus the cost of the required new parts. A cover letter explaining the pen's problem is suggested to expedite service. Please allow 3-4 weeks for return of your repaired pen. Repair costs are subject to change without notice.

Koh-I-Noor® is a brand of Chartpak, Inc. 1 River Road, Leeds, MA 01053.
MADE & SERVICED IN THE USA



Visit our website at www.kohinoorusa.com for more RapidoGraph® resources.