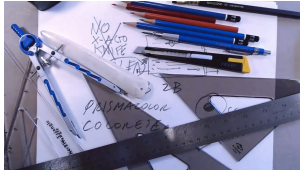


Pino Trogu

Tools & Supplies – Recorded Sept. 8, 2020

<https://www.youtube.com/watch?v=FgFqSxECFjM>

Video description with time stamps. Compiled 2021-08-22; revised 2022-01-21.



Update 2022-01-22: (revised) timestamps below for each tool, including a handful of corrections.

00:44 pencils

01:45 eraser

02:15 Blackwing sharpener (2-step)

04:20 mechanical lead holder (2 mm graphite, does not actually contain lead)

04:40 the mechanical lead holder lead (graphite) is 2 mm thick (not 1.5 mm)

05:30 sand paper for sharpening lead (or sand-paper pad)

07:30 rotary sharpener for mechanical lead holder

09:16 drafting triangles (both types shown are good)

10:37 transparent (acrylic) set shown is very good & precise

14:25 checking the "squareness" of drafting triangles

16:45 drawing/drafting board

18:35 straight edge & T-square

20:35 using T-square and triangles

19:55 drawing a square using two triangles sliding along each other, shows hand/finger position and releasing/locking when drawing the lines

24:10 cutting knife (snap-blade Olfa/Japan). DO NOT use X-acto knife

26:23 sharpen pencil by hand

28:02 sketching paper pad 9x12 for all free-hand drawings

29:22 drafting (Bristol) paper pad for all drawings made with tools

29:55 drawing the title block on the sheet (corner detail)

31:39 tracing paper pad 9x12 (many uses; indispensable!)

36:50 drafting compass

37:27 sharpening the compass lead point with sand paper (chisel point)

40:44 using the compass with one or two hands depending on the step

44:20 optional tools

44:33 painter's/masking/drafting tape (to hold down the sheet for technical drawings)

45:12 bone folder for bookbinding and paper construction projects

46:22 cutting mat (not shown) or using the back of a paper pad to cut with Olfa knife

47:55 architect's scale

48:30 summary (recapitulation): pencils, color pencils, mechanical pencil, sharpener, triangles

50:32 the inch and centimeter/millimeter markings on the clear acrylic triangle set are actually very good and can be trusted (tested again after video was posted)

50:54 the correct pairs of triangles lengths are 9"/6" (white acrylic) and/or 8"/6" (Alvin). The set in the kit in Spring 2022 is 10"/8".

More tools: T-square, straight edge, drafting board, Bristol pad, sketching pad, tracing pad, compass, Olfa cutter, cutting mat, and bone folder.

A demonstration of each tool and material used in the class. The video is from summer 2020; please see corrections listed above and also the syllabus and the tools document list (PDF) for the last updated list.

Download a PDF with a visual reference for each tool, a description, and links to online sources for each item. The list is updated to August 2025

http://static.trogu.com/documents/classes/320/2025/trogu_DES320_drafting_tools_FALL_2025.pdf