

Sketching Skills

Koos Eissen & Roselien Steur

Exercise

02

HAIR- DRYER

swipe ←

Skills in this exercise



TOOLS

Kinds of line-sketching material



SHAPES

CYLINDERS

1. Upright or vertical cylinders
2. Declined or horizontal cylinders
3. Constructing with ellipses of upright cylinders
4. Constructing with ellipses of

Do the step by step hairdryer exercise

Exercise

02

Start

swipe ←

Introduction

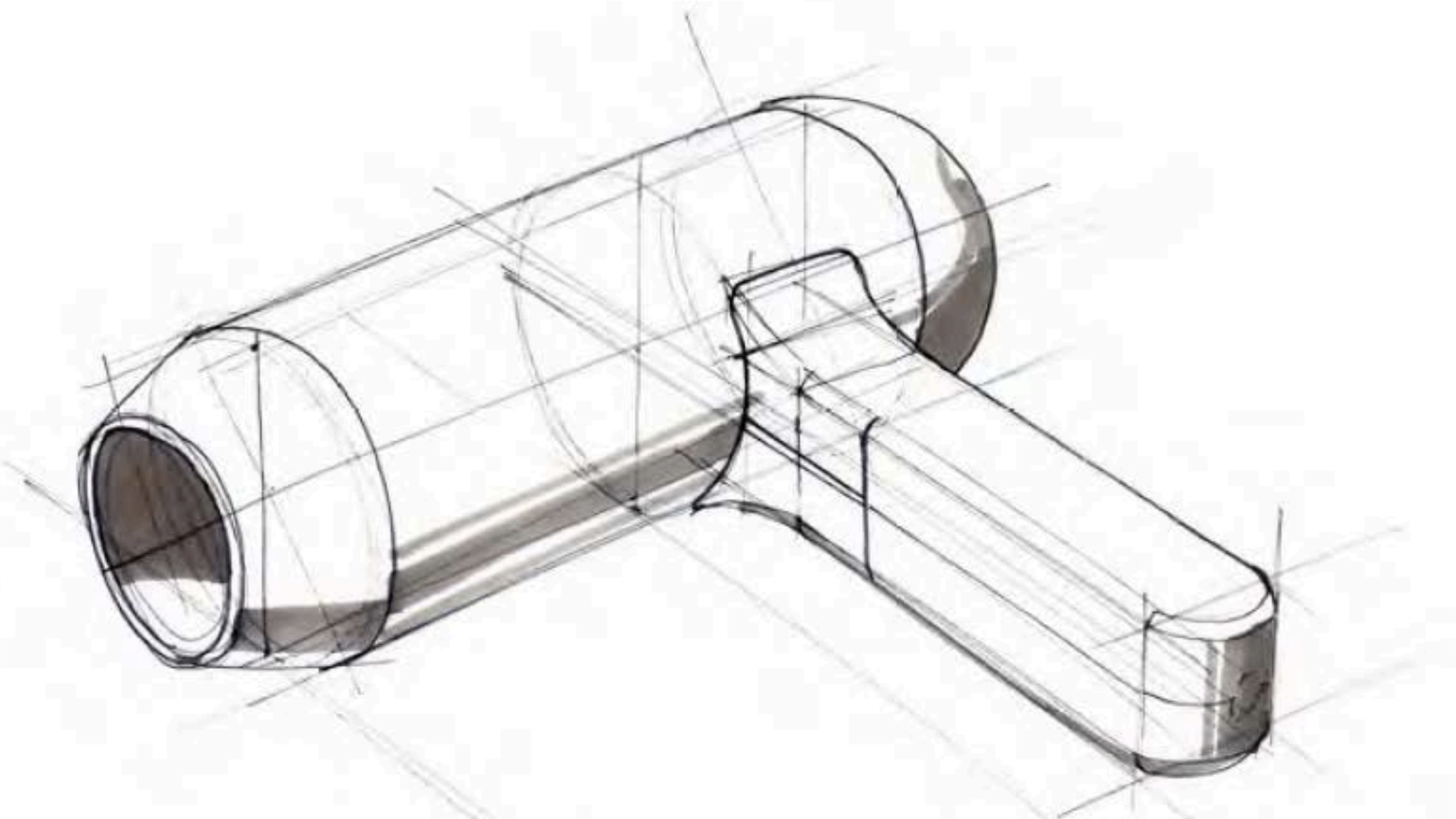
This session we will make a presentational sketch of a hairdryer, practicing material expression of glossy and chromium. The emphasis of this session lies on the use of cylindrical shapes and ellipses for construction. Basic knowledge you need is how to draw a declined cylinder, and use the ellipses for attaching the handle/grip. Furthermore, we assume you already know how to shade a rounded object, and use cast shadow on an elevated or floating shape.

Exercise

02

Continue

swipe ←



STEP
1-9

We will start this drawing with a declined cylinder. Make sure you find an informative orientation of the cylinder, and suitable ellipse roundness.

RELATED
SKILLS



Tools

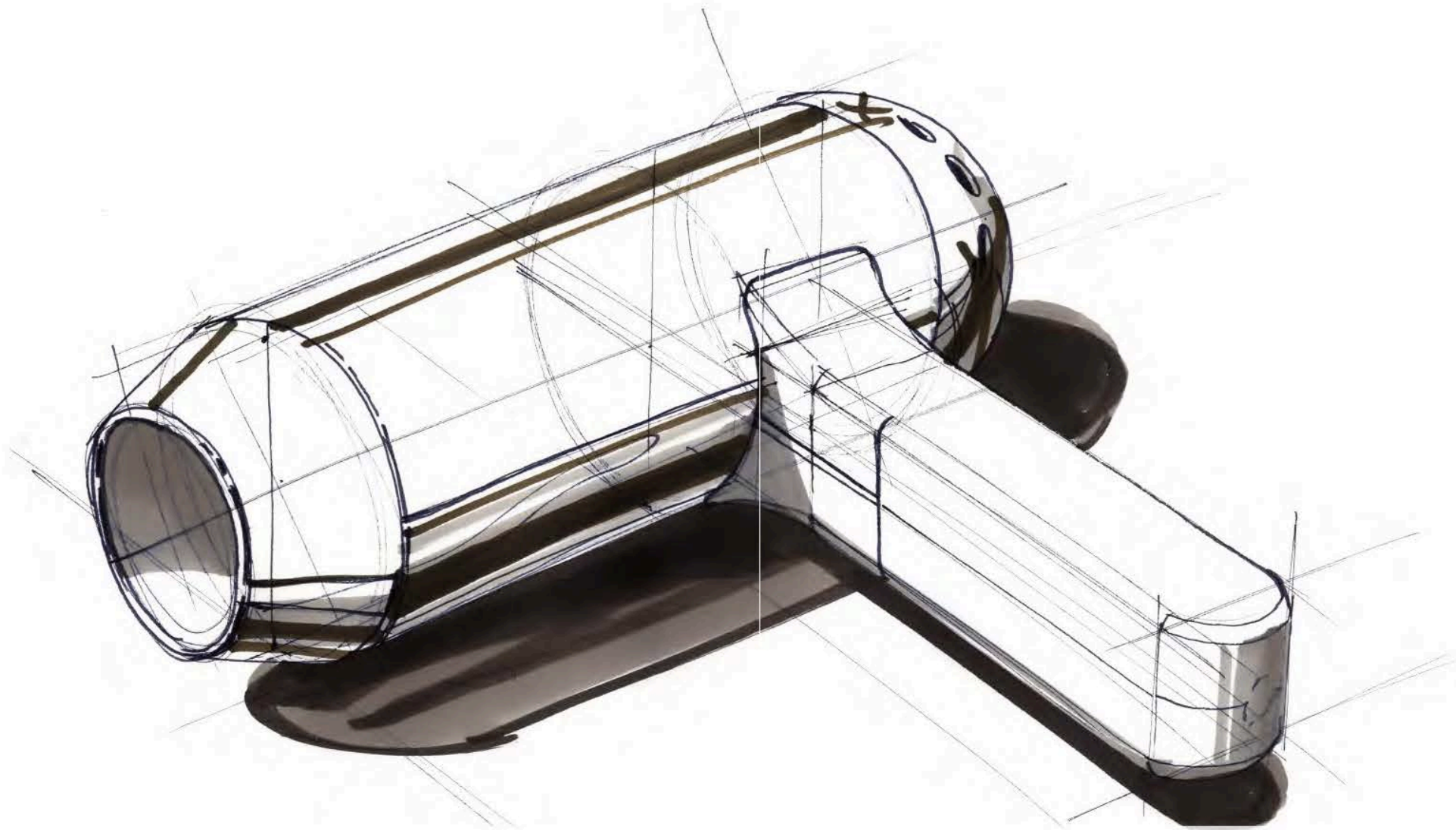


Kinds of line-sketching material

Shapes



5. Adding a grip to a declined cylinder



STEP
2-9



In order to sketch the grip in the appropriate perspective, an additional ellipse is drawn at the location of the handle. Using tangents to this ellipse

a horizontal perspective diagram is sketched. When we choose the handle, it theoretically

RELATED
SKILLS



1. Upright or vertical
cylinders



5. Adding a grip to a
declined cylinder



Contents

02

HAIRDRYER EXERCIZE

Step 1 to 9: sketching exercise



1

2

3

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5

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CASES

Bugaboo Design & Sales, Bugaboo

Beestudio, Electronic Concept Car

SKILLS

HAIRDRYER

ALL

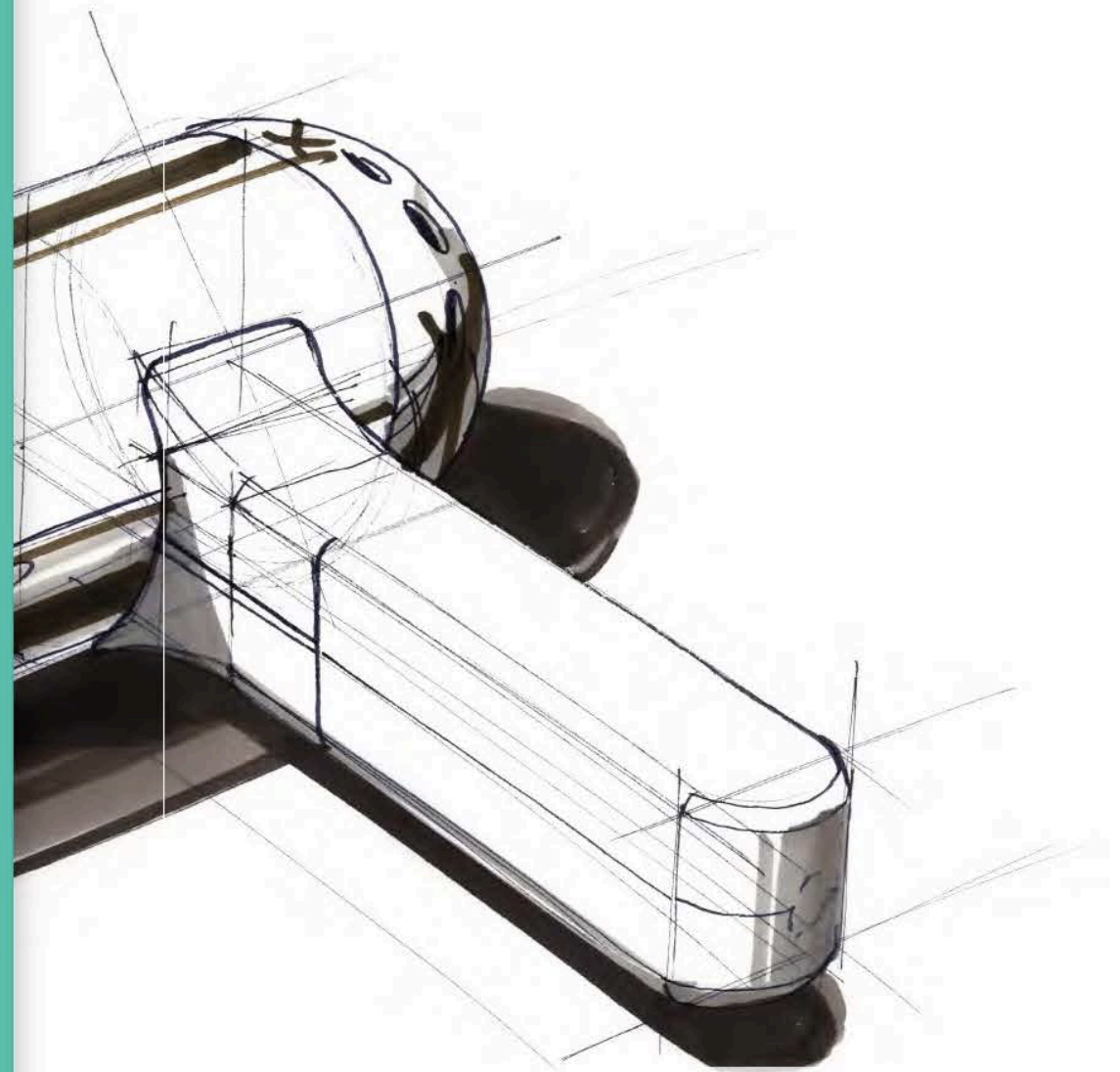


TOOLS

Kinds of line-sketching material



SHAPES



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5. Adding a grip to a
declined cylinder



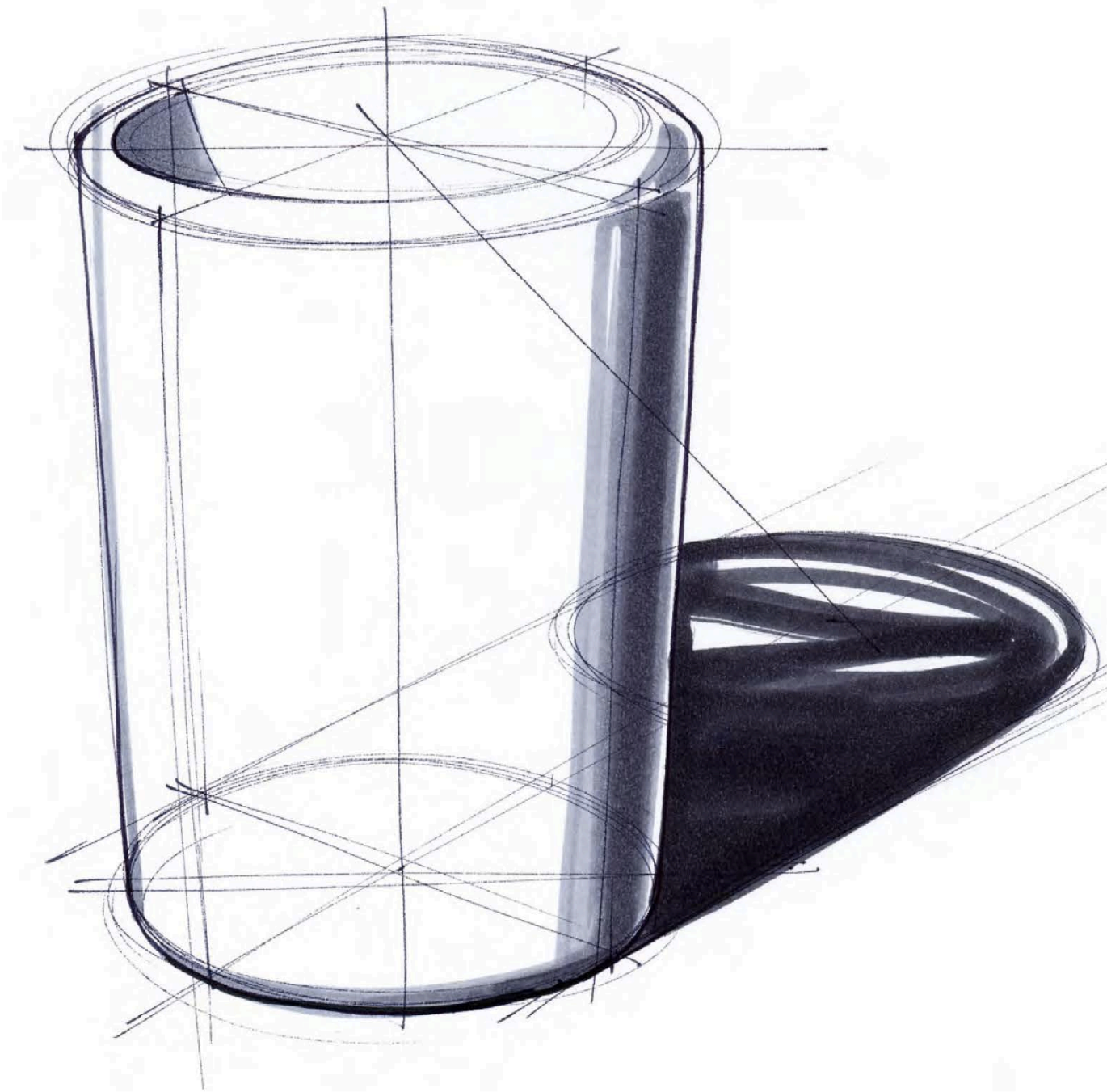
Cylinders

CHAPTER 3.

Constructing with ellipses upright cylinders

A circle in perspective is represented by an ellipse. The major axis is the longest axis. The minor axis is dividing the major axis into two equal parts. The crossing of those two axes is the center of the circle. In perspective, the center of the circle is of course not the center of the ellipse, but, depending on the amount of foreshortening, it is what behind this point, as shown in the diagram. To cut a grapefruit in two equal halves, you would cut through the center of the fruit.

TIP





Cylinders

CHAPTER 5.

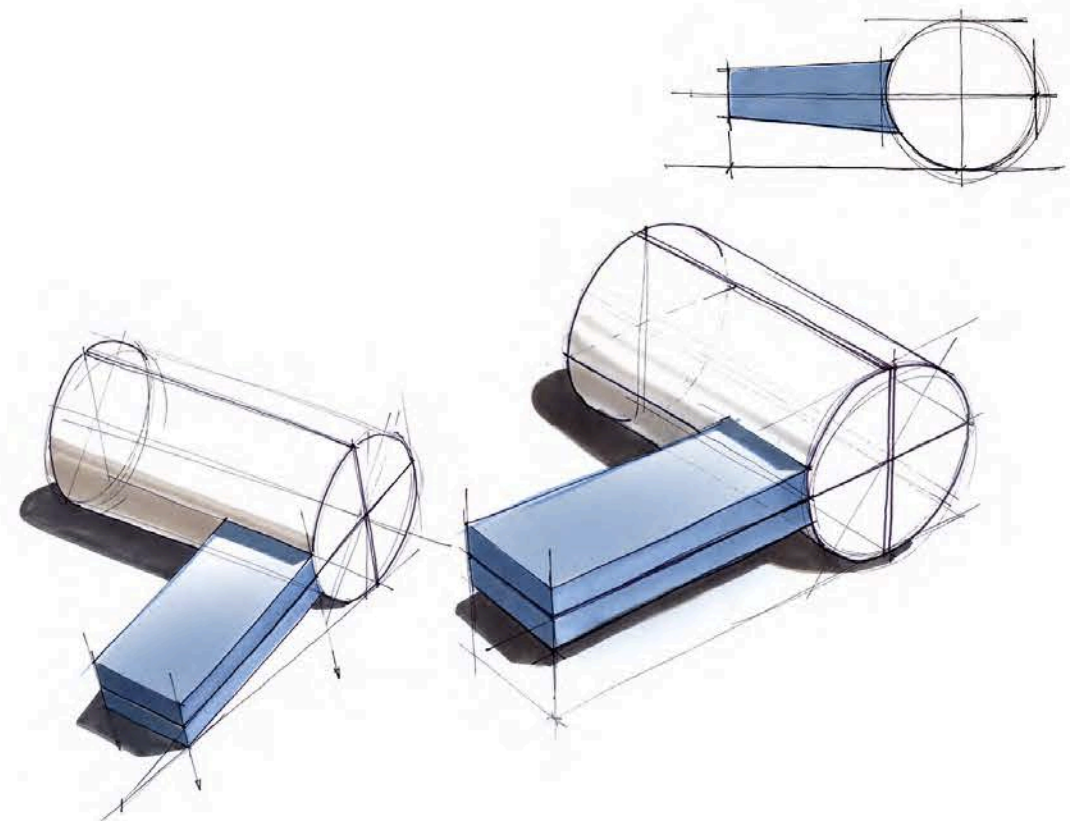
Adding a grip to a declined cylinder

Step 1.

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ut aliquip ex ea commodo consequat.

The typical chromium characteristics are drawn with fineliner and marker.

← swipe in box for Step 2.





Cylinders

CHAPTER 5.

Adding a grip to a declined cylinder

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TIP





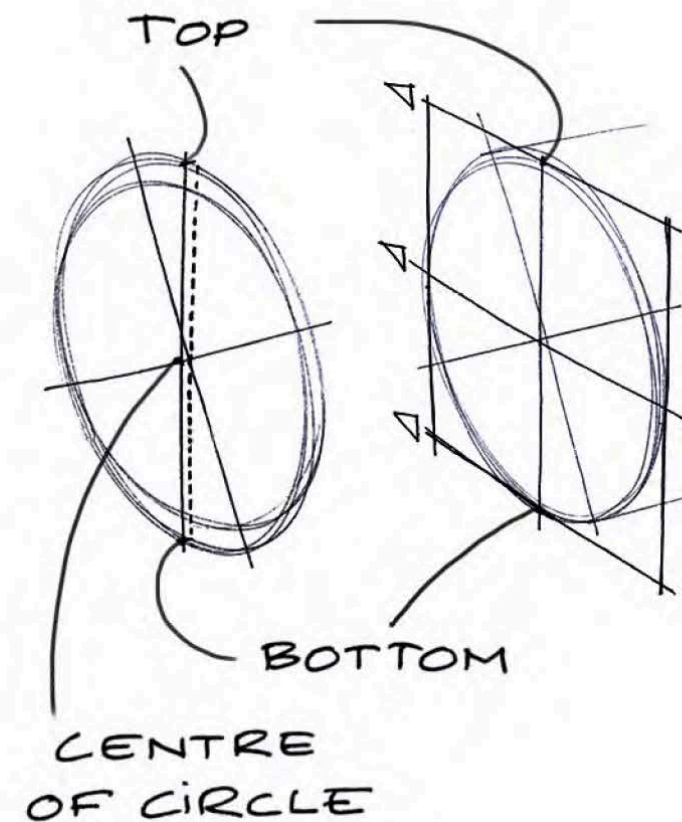
Cylinders

CHAPTER 3.

Constructing with ellipses of upright cylinders

A circle in perspective is represented by an ellipse, a mathematical shape. Useful rules are related to their axes. The major axes is the longest line possible, while the minor axes is dividing the major axes in two equal parts. The crossing of those two lines is exactly in 90 degrees in the middle. In perspective the perspective centre of the circle is of course not through this point, but, depending on the amount of convergence, somewhat behind this point, as shown in the example. If you cut a grapefruit in two equal halves you can see this difference.

TIP





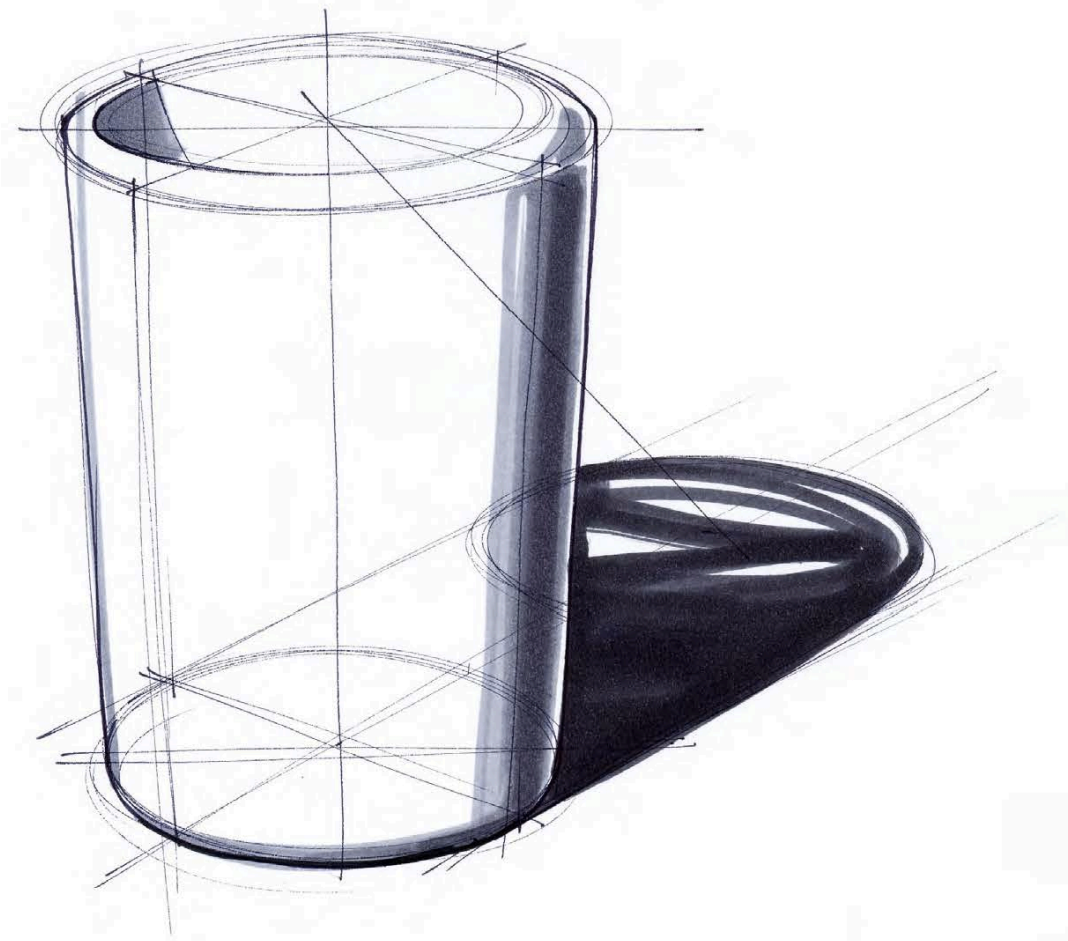
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TIP



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Exercise

02

HAIR- DRYER

Cases

For your inspiration we have selected these case examples from professional industrial designers and design firms.

The skill set you've mastered in this exercise will enable you to create comparable artwork. It's time to get creative!



BEESTUDIO, INDIA

Electronic concept car with a self-structured platform for a Japanese car manufacturer, 2008



Design Director: Emanuele Nicosia

Adding some perspective

Odio kale chips meh consectetur bespoke, leggings pop-up synth Williamsburg forage. Accusamus raw denim DIY beard. Pinterest next level 3 wolf moon, disrupt four loko gastropub fap Etsy.

Motors are joined

Flannel nesciunt Carles non culpa literally, aesthetic semiotics raw denim laborum narwhal. Reprehenderit Banksy tote bag, eiusmod Vice post-ironic.





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