



3D Disto Software  
for Windows®

# Leica 3D Disto Tutorial



CAD tools

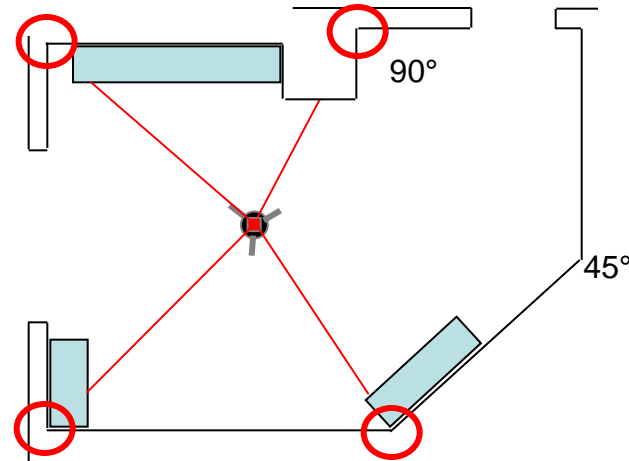
- when it has to be **right**

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# CAD Tools

## When to use them

- to measure windows, doors and other wall details
- to measure hidden points
- to create corners of exactly  $90^\circ$
- to create preset dimensions
- to complete missing points and edges
- to measure rooms with minimal effort

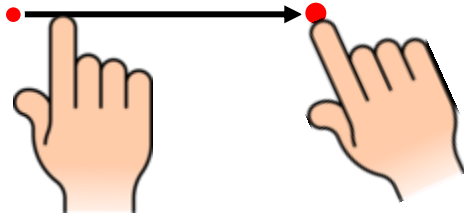


- when it has to be **right**

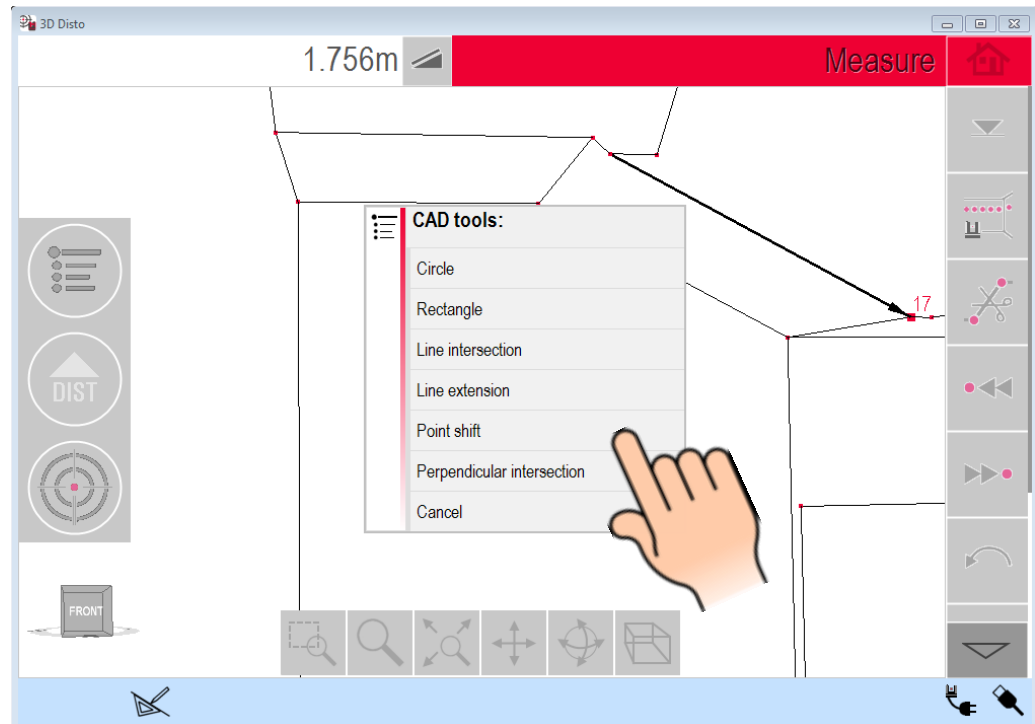
# CAD Tools

## Start & Options

- CAD tools are only offered in the MEASURE application
- make a long click on point or line on a touch screen or a right mouse click to start the CAD tools



- select a tool from the list

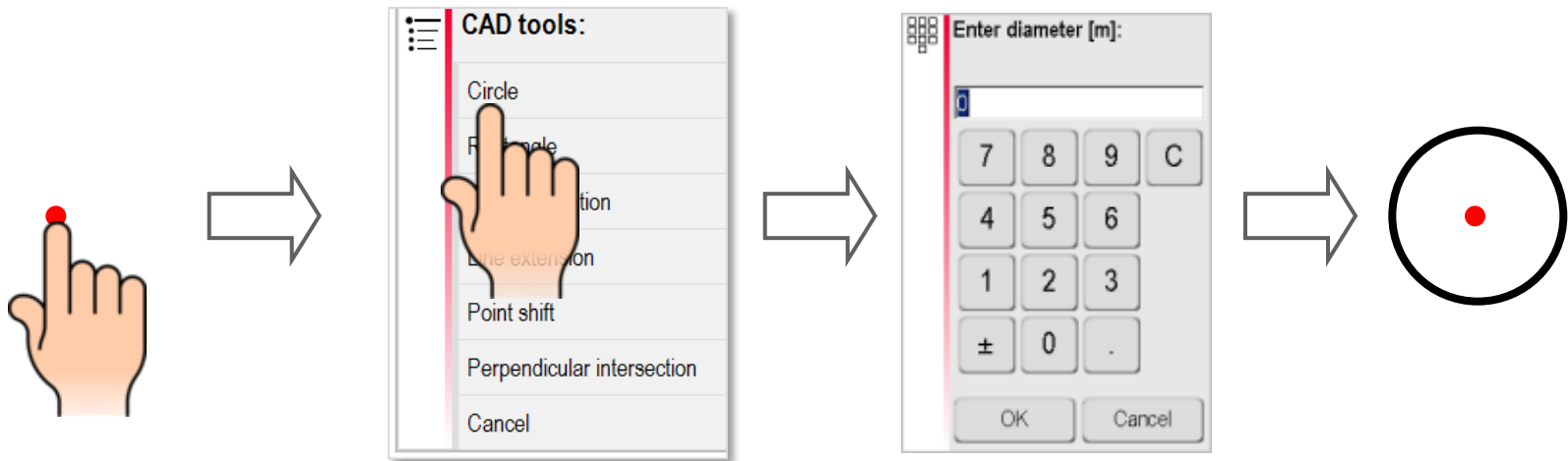


- when it has to be **right**

# CAD Tools

## Circle Tool

Draws a circle around the selected point, e. g. to measure plugs, sinks, etc.:



long click on point  
(touch screen) or  
right mouse click  
(desktop PC)

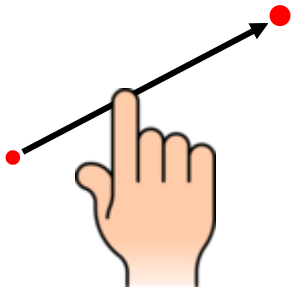
enter the diameter

- when it has to be **right**

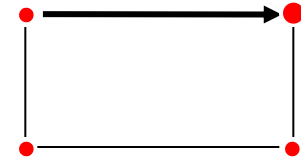
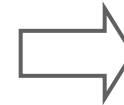
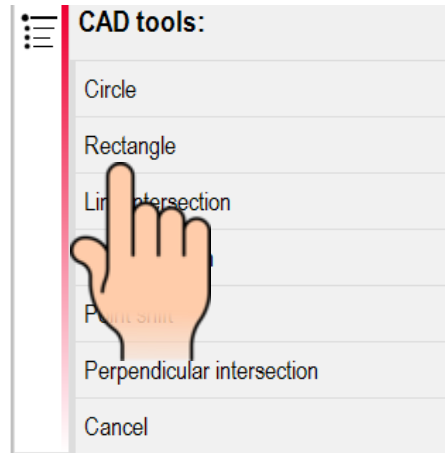
# CAD Tools

## Rectangle Tool

Transforms a diagonal line into a rectangle, e. g. to measure windows or doors:



long click or right  
mouse click

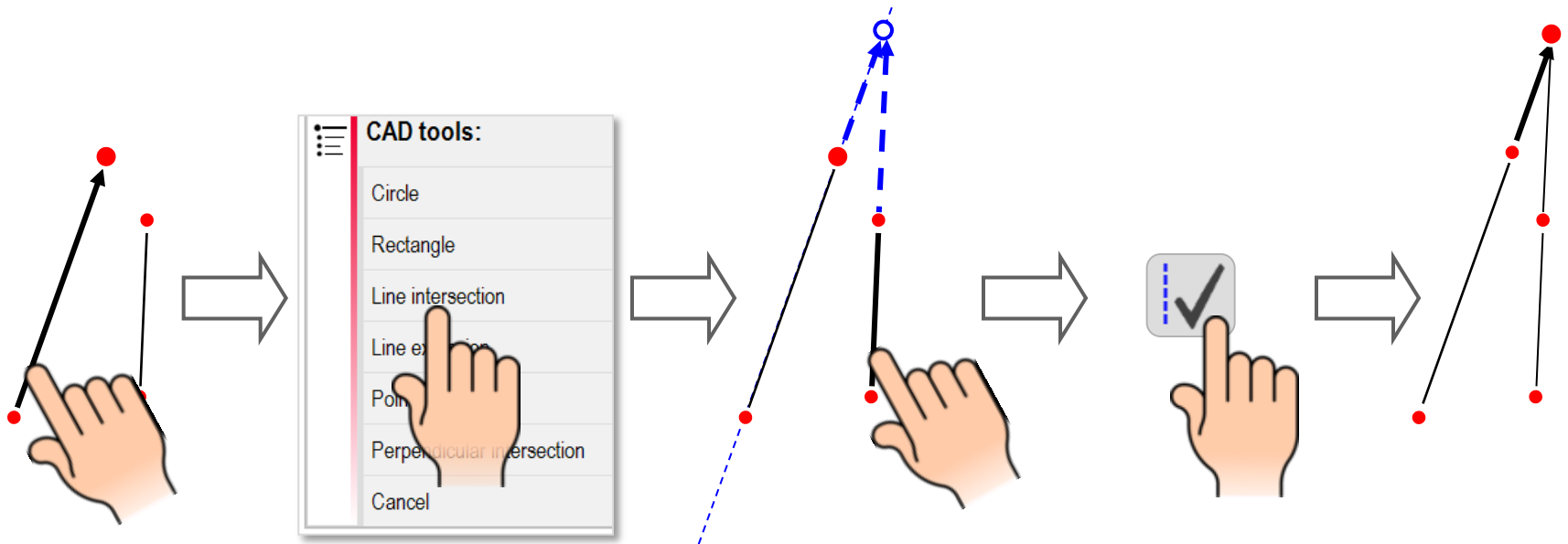


- when it has to be **right**

# CAD Tools

## Line intersection

Intersects two lines:



long click  
or right  
mouse click

tip on 2nd line  
→ preview  
appears

accept

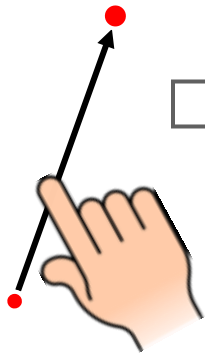
Result

- when it has to be **right**

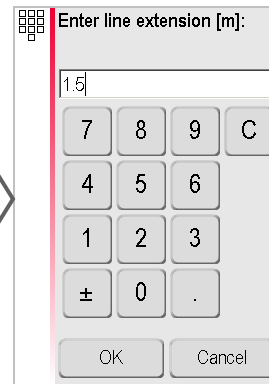
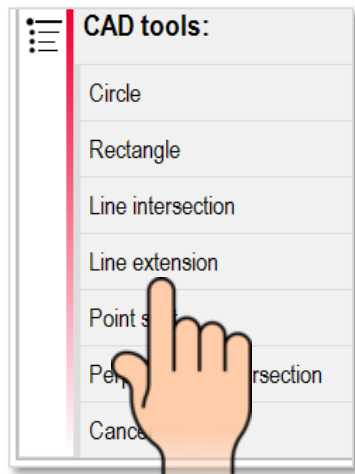
# CAD Tools

## Line extension

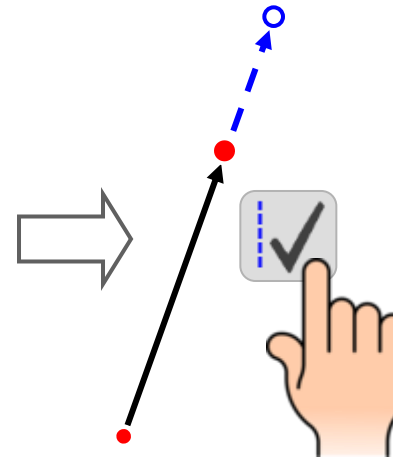
Prolongs a measured line:



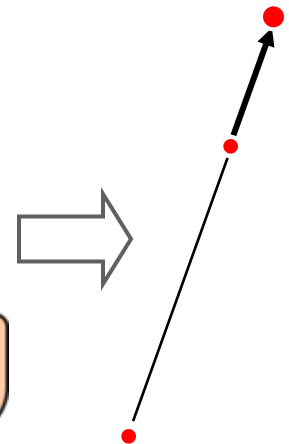
long click  
or right  
mouse click



Enter a value



Accept point



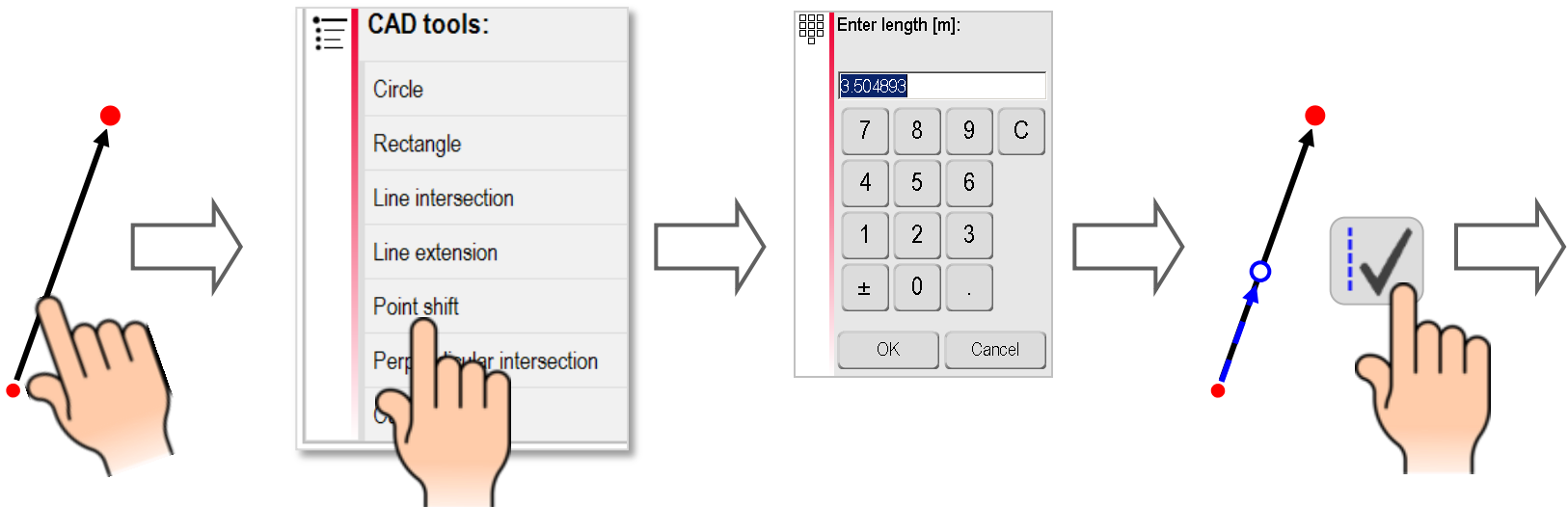
Result

- when it has to be **right**

# CAD Tools

## Point shift (1)

Creates a point related to a line:



long click  
or right  
mouse click

Enter a value.  
Default = length  
of selected line.  
Negative entries  
are accepted.

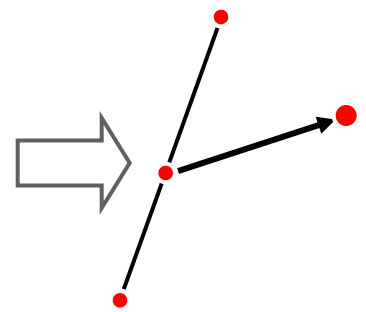
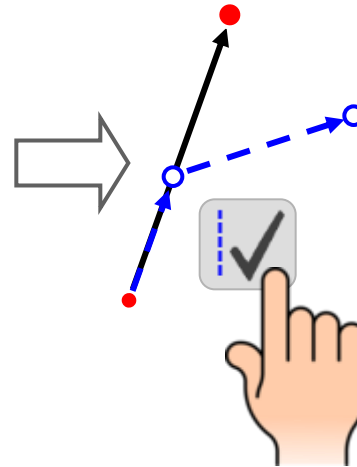
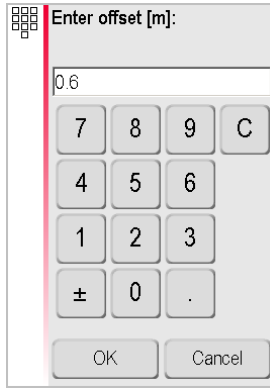
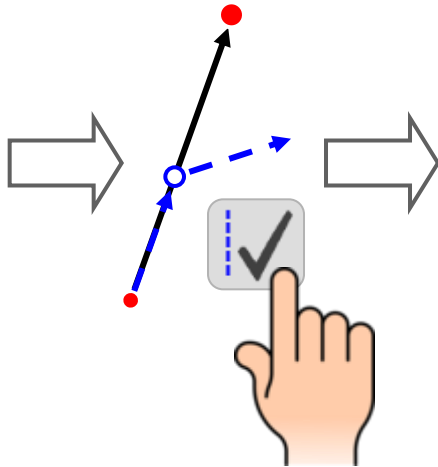
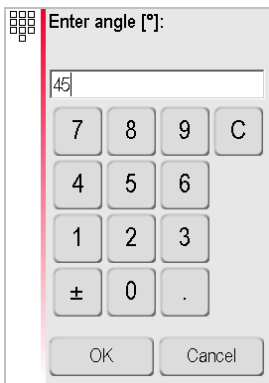
Accept

- when it has to be **right**



# CAD Tools

## Point shift (2)



Enter an angle

Accept

Accept

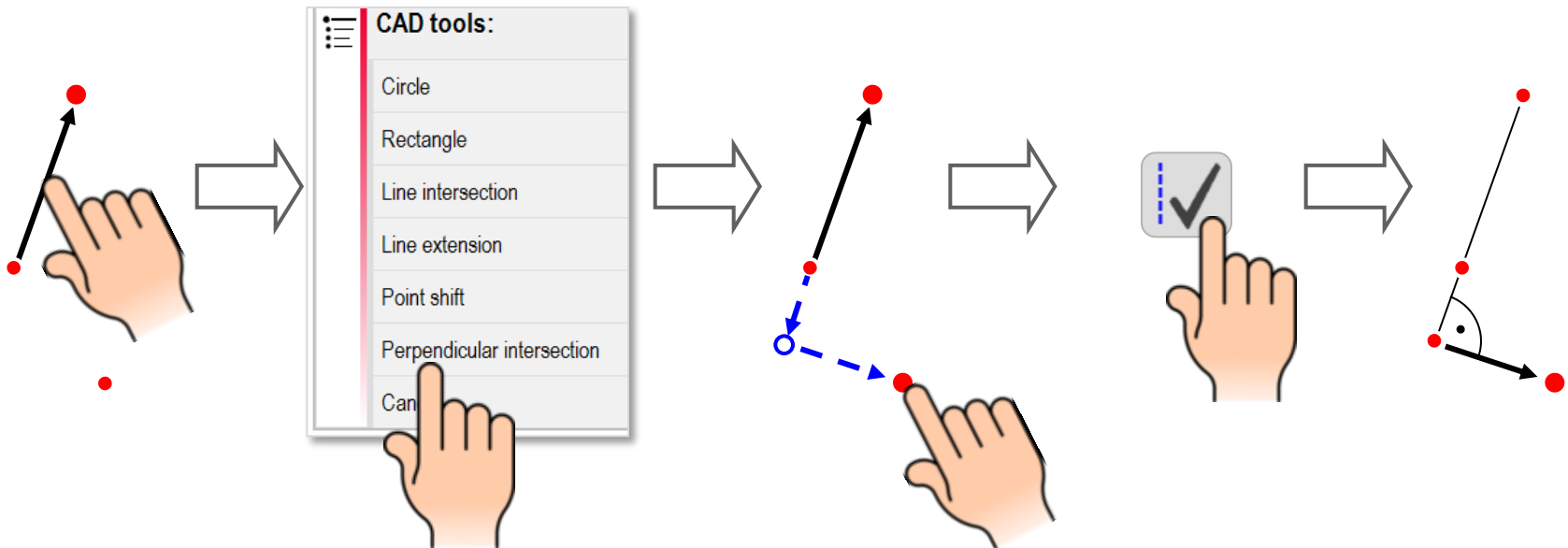
Result

- when it has to be **right**

# CAD Tools

## Perpendicular intersection

Projects a point perpendicular to a line and creates a right angle:



long click  
or right  
mouse click

Select a point  
→ preview  
appears

Accept

Result

- when it has to be **right**

# CAD Tools

## Examples

The following pages show some examples how to use the CAD tools effectively.



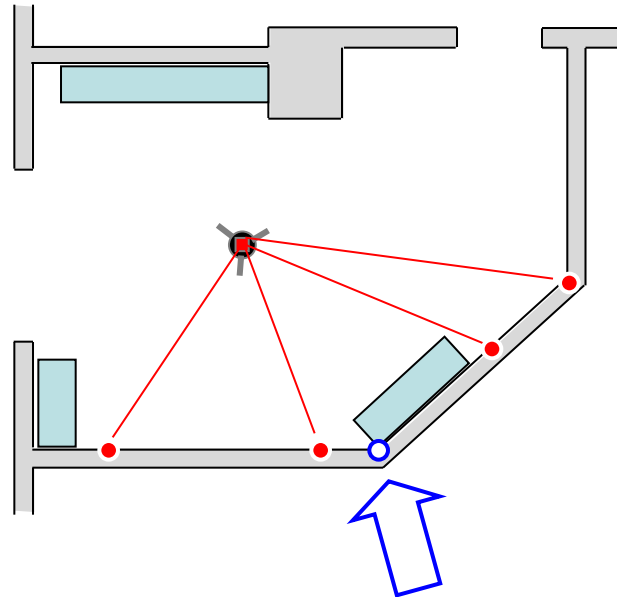
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# CAD Tools

## Hidden Corner with Line Intersection

- measure 4 points on two walls
- use „Line intersection“ tool to determine hidden corner

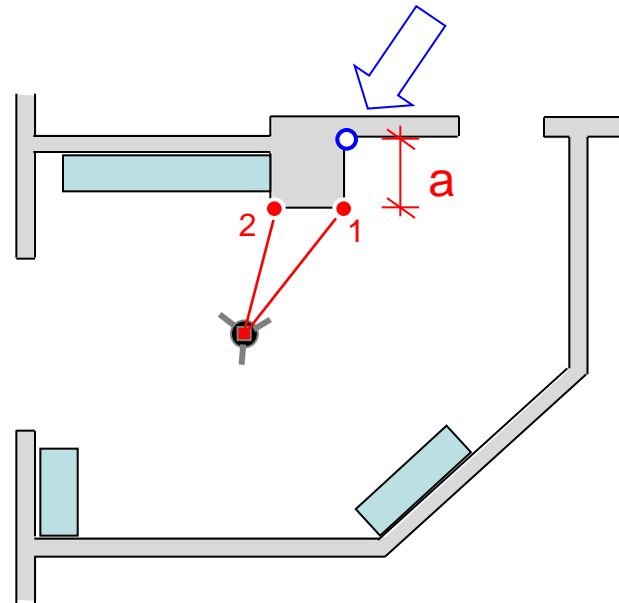


- when it has to be **right**

# CAD Tools

## Measuring around the corner with "Point shift"

- measure 2 corners with 3D Disto
- measure „a“ by hand
- start POINT SHIFT tool
- enter 0, 90° and „a“ to create the hidden point

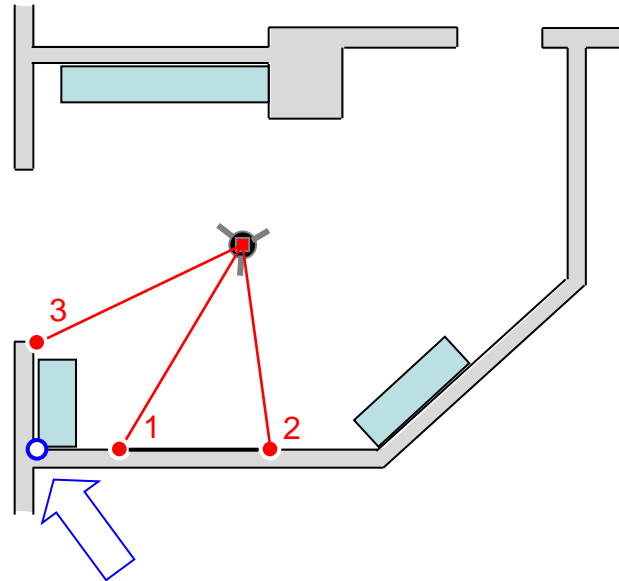


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# CAD Tools

## Creating a 90° corner with “Perpendicular intersection”

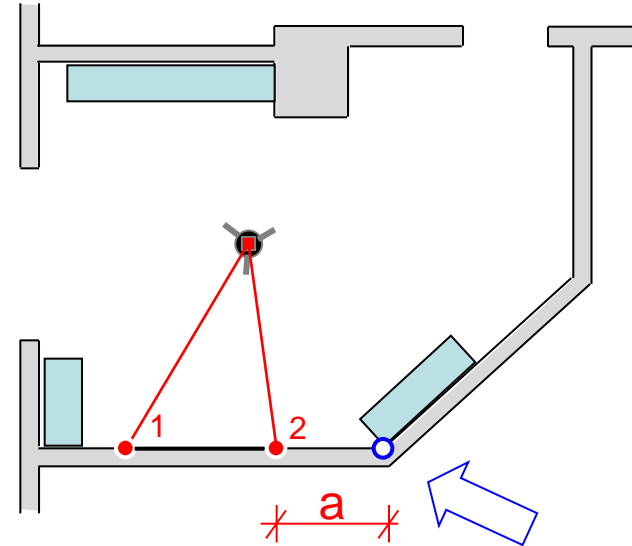
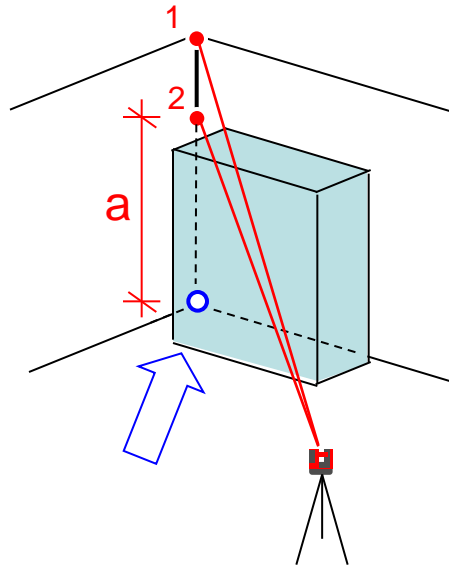
- measure P1 and P2 on the wall
- measure P3 on the corner
- start PERPENDICULAR INTERSECTION tool with line P1/P2
- tip on P3 and accept



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# CAD Tools

## Measure a hidden corner with "Line extension"



- measure P1 and P2 with 3D Disto
- measure „a“ by hand
- start LINE EXTENSION tool on line P1/P2
- enter „a“ and accept

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# Leica 3D Disto

## Registration at myWorld



Register your 3D Disto on myWorld for:

- warranty extension
- license keys
- more tutorials
- free software updates
- support
- manuals

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