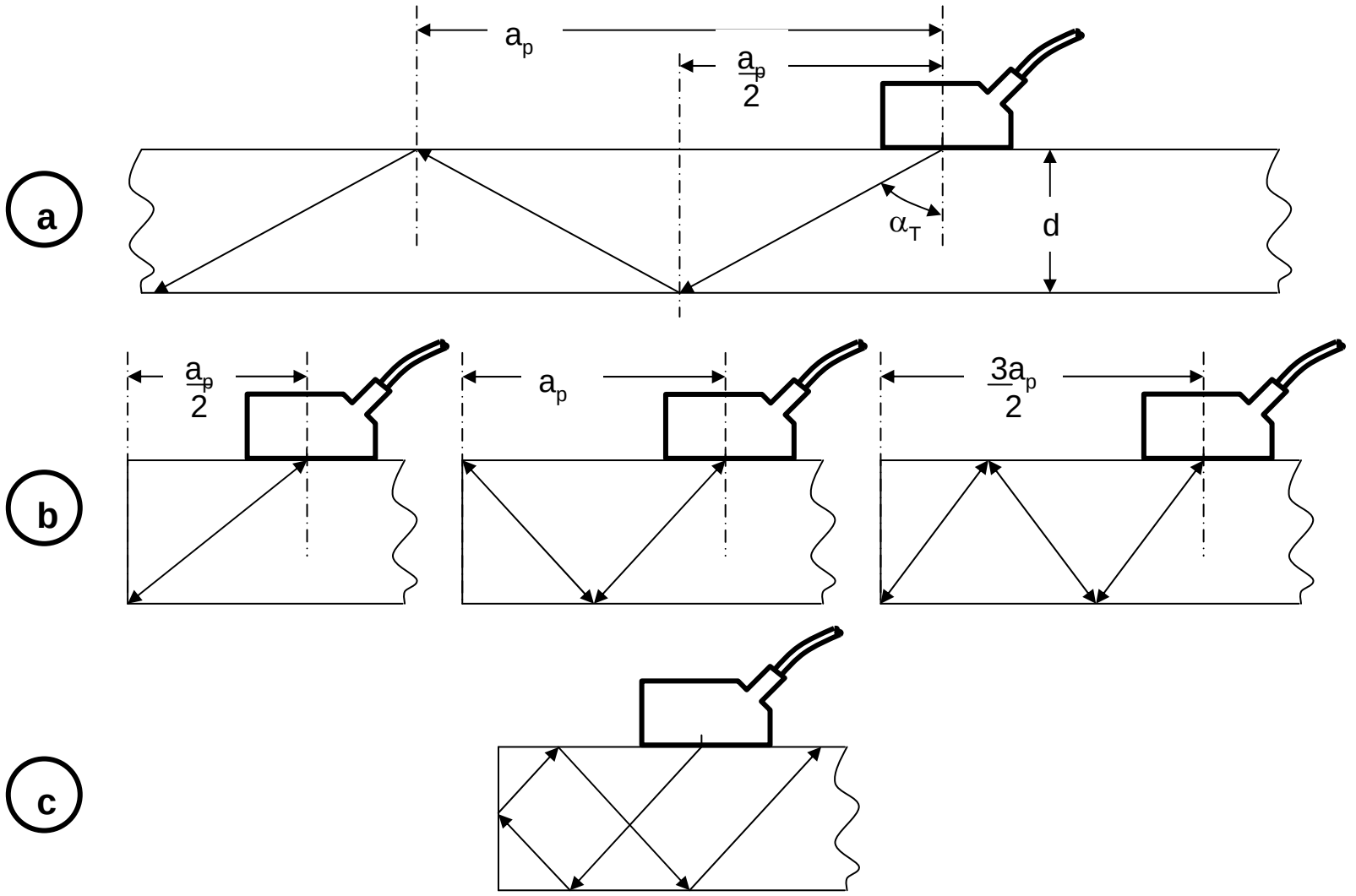
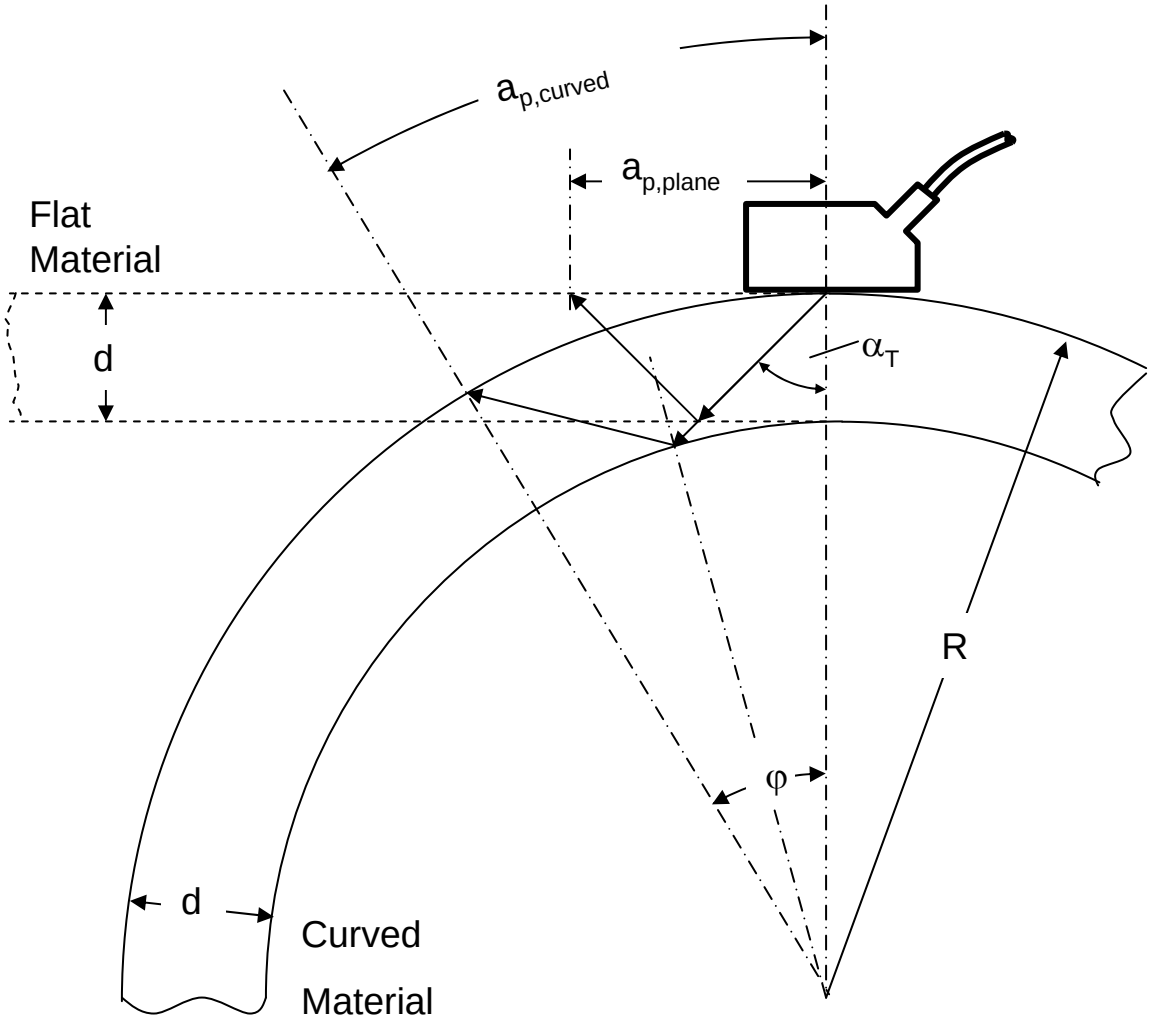
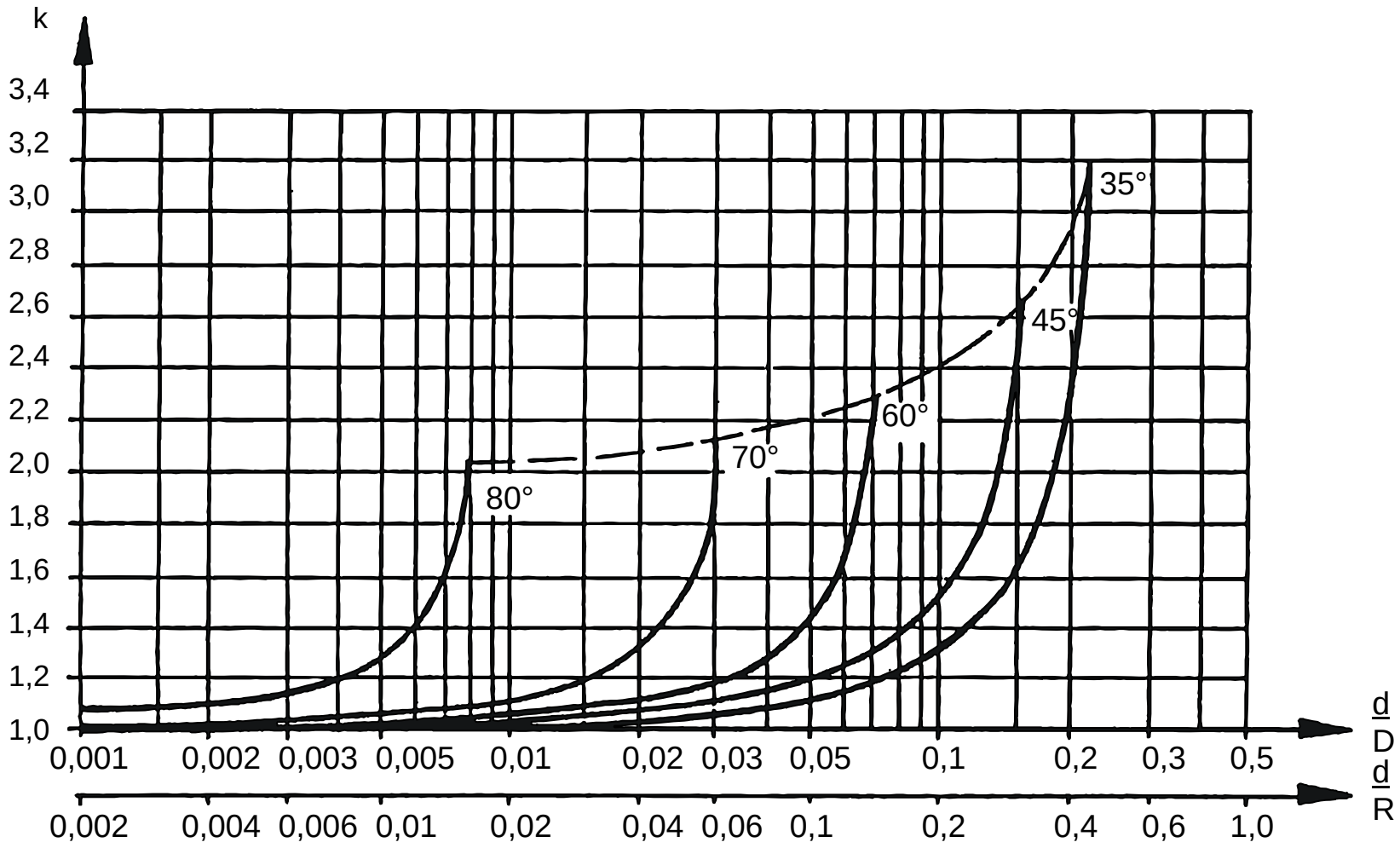


Skip distance a_P



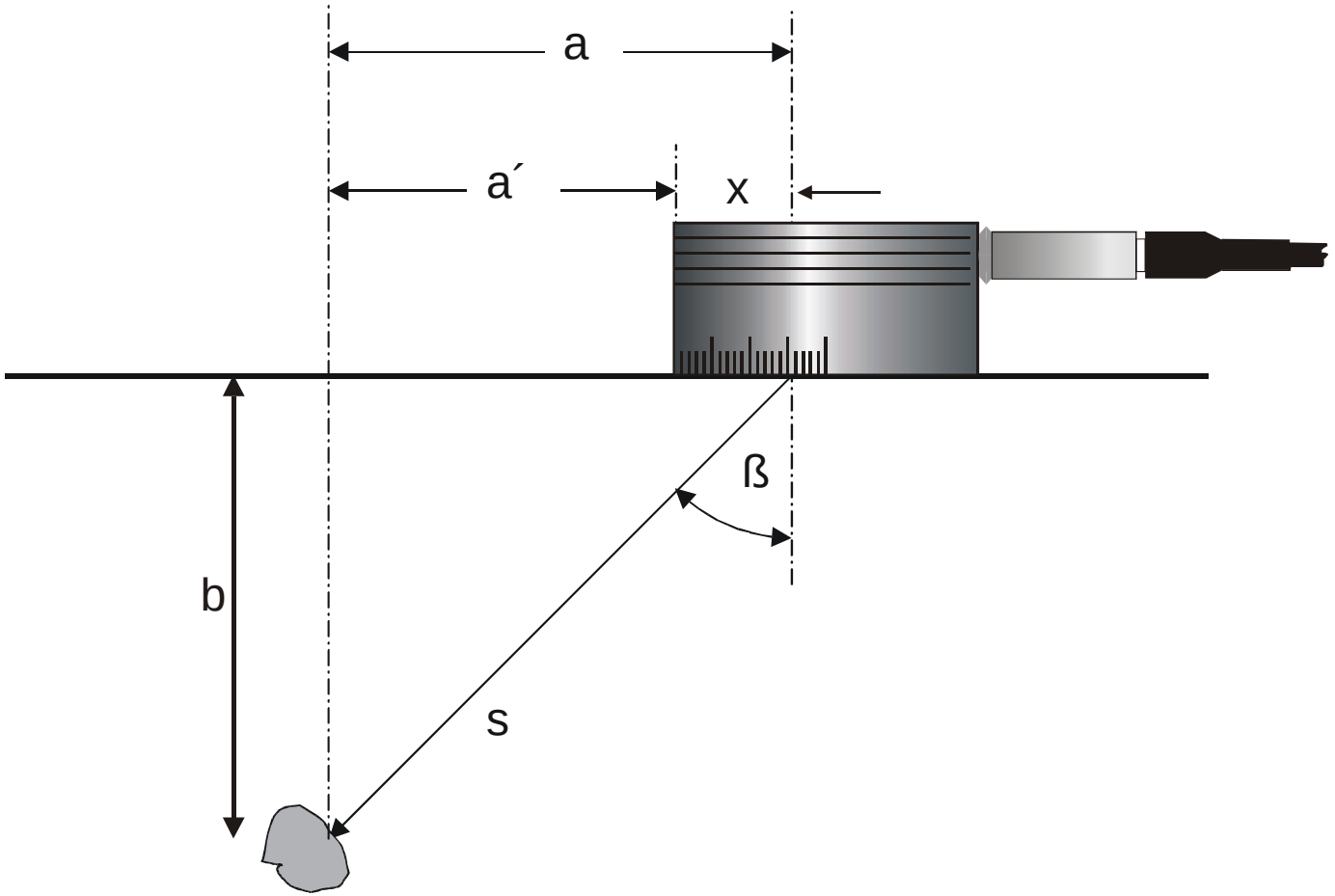
Skip Distance for Curved Surface

KARL DEUTSCH



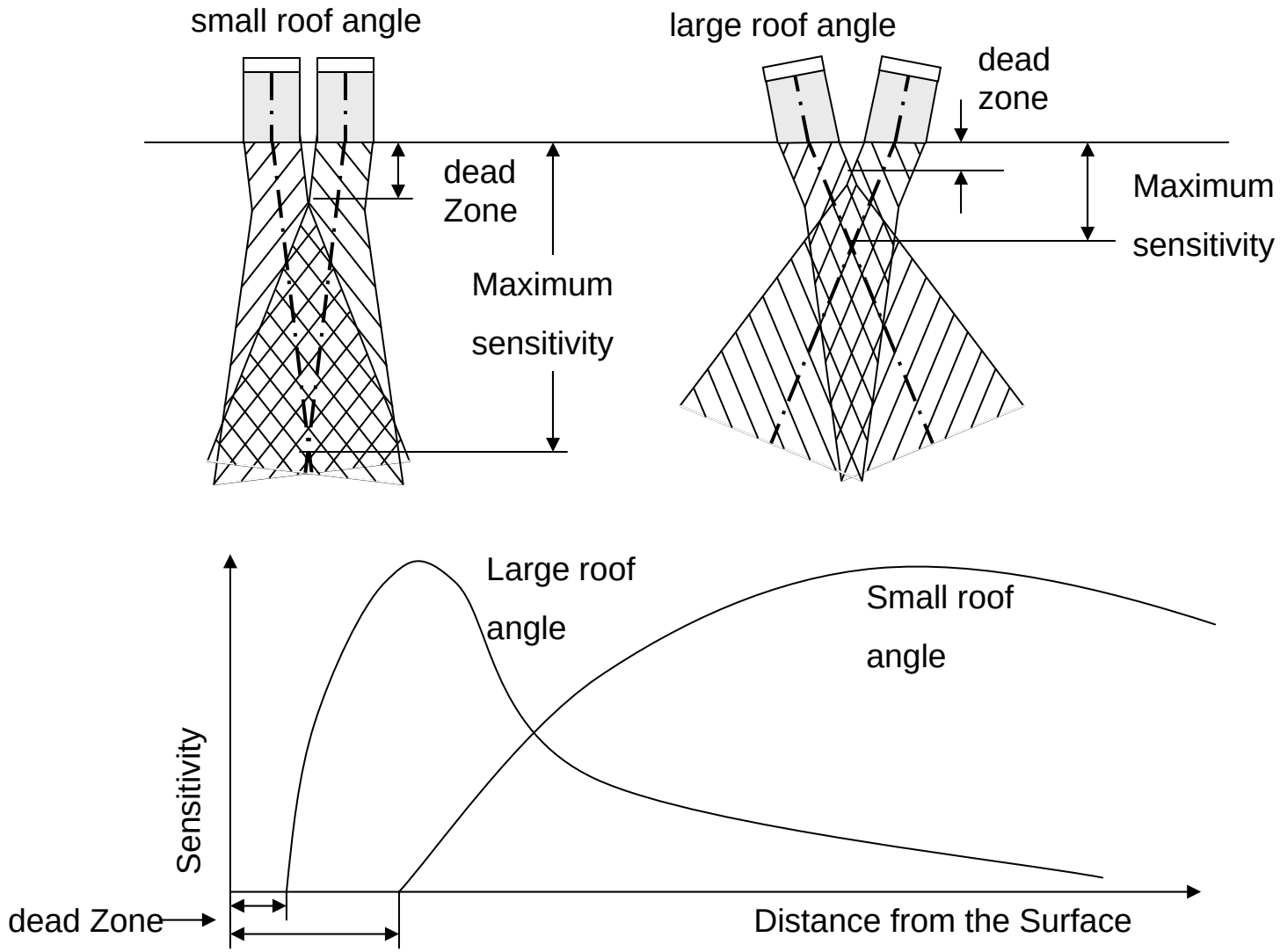
Correction Factor k (for a_P on curved surface)

Winkeleinschallung



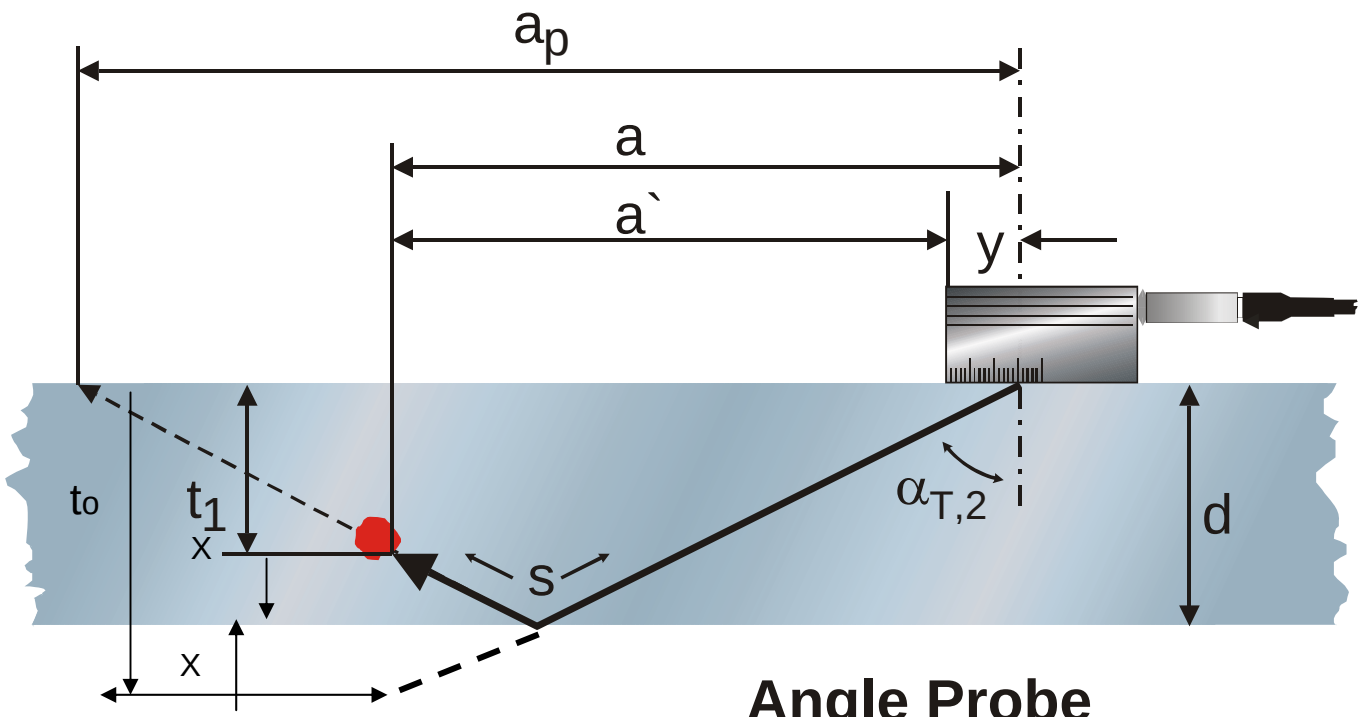
(shortened) Projection Distance

KARL DEUTSCH



Roof Angle (SE-Probe)

Winkeleinschallung



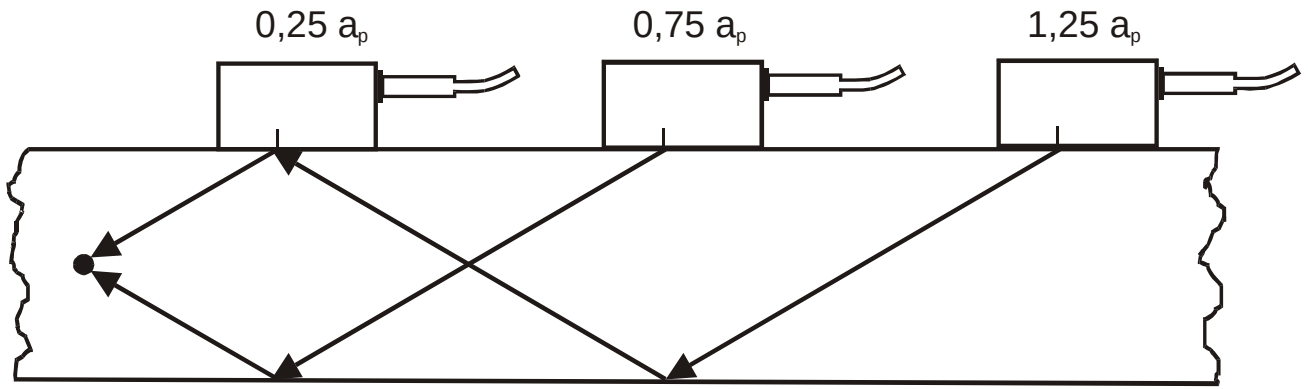
Angle Probe

s = Beam Path
a = s sin ß = Projection Distance
a`= a – x = shortened projection distance.
a_p = d x 2 x tan ß = Skip distance
t_0 = s cos ß = Depth or Thickness
t_1 = 2d - s cos ß = Depth beyond Skip

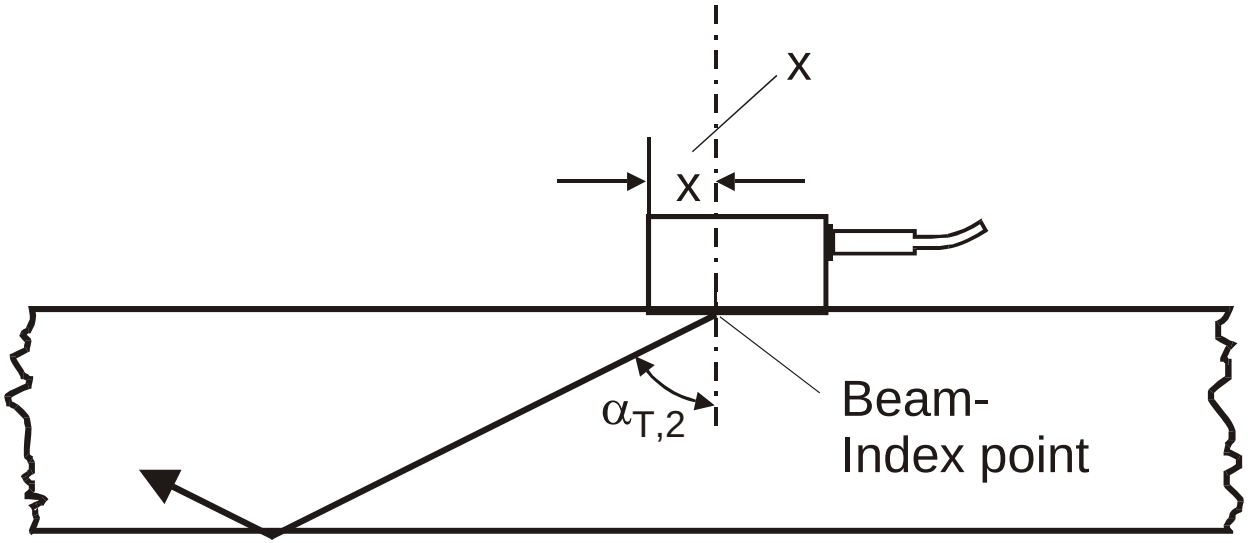
X = to - d
t1= d - x

t
t

Winkeleinschallung

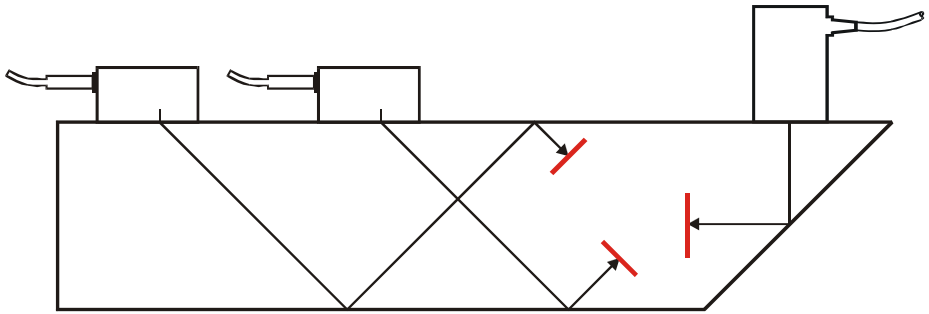


Beam Travel Distance to Side Drilled Hole

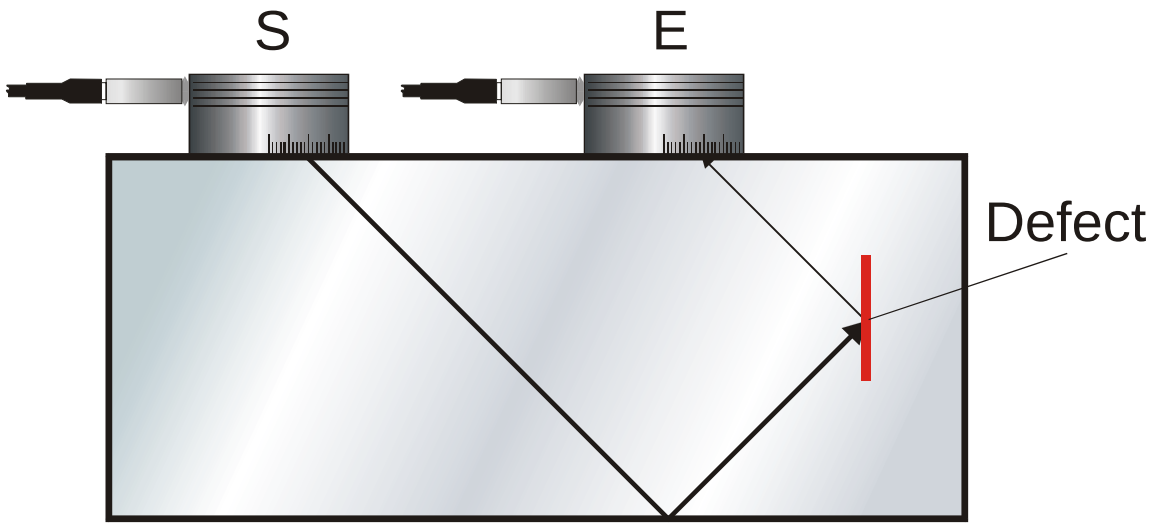


Beam Index Point (x-)

Winkeleinschallung



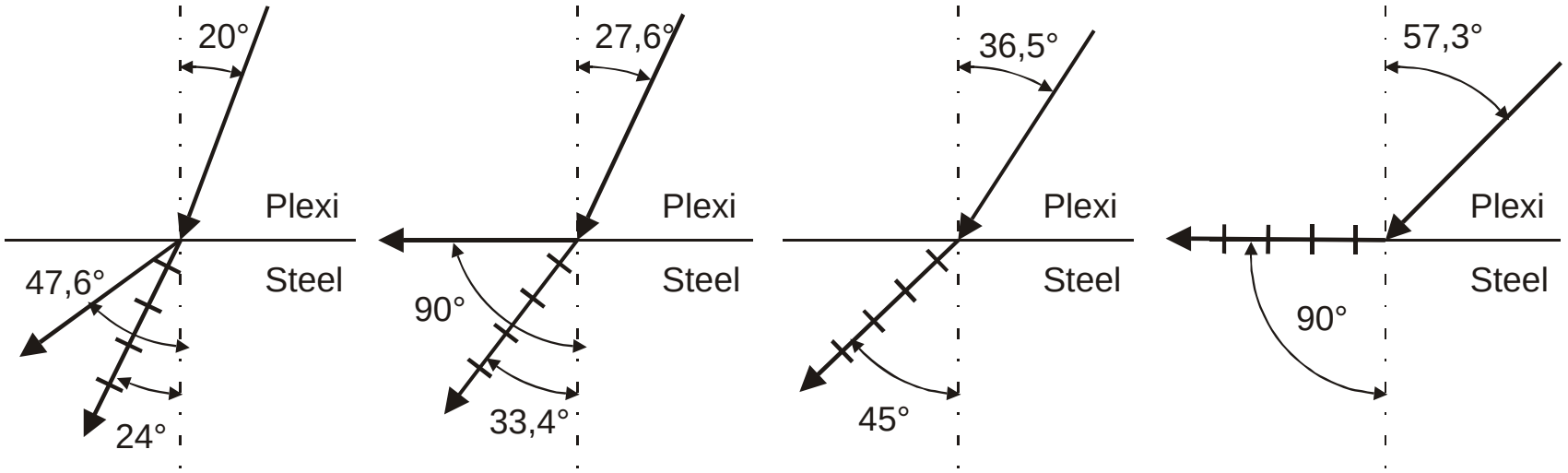
Beam paths to defect



Tandem technique

Winkeleinschallung

KARL DEUTSCH



2 Beams

1st Critical Angle

Working Range

2nd Critical Angle

Angle Beam Propagation

Winkeleinschallung