

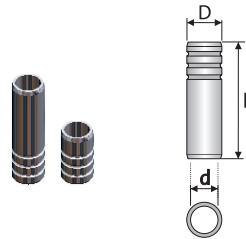
## Sleeve overview

### Titanium single sleeves

They are particularly well suitable for use in planning templates.

Cylindrical shape:

- easy to measure in X-ray images
- universal diameter ( $\varnothing 2.35$  mm standard drill shank)
- simple surgical guide

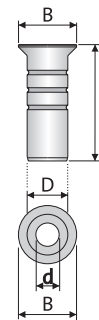


D = Outside diameter  
d = Inside diameter  
L = Length

### Titanium double sleeves

Tube in Tube principle

- perform different drill diameters with one template
- Outer sleeve is firmly seated in the template
- Inner sleeves are exchanged / replaced



D = Outside diameter  
d = Inside diameter  
L = Length  
B = Funnel diameter  
 $\varnothing 5.00$  mm

#### Outer sleeves

Closed outer sleeves

1 Diameter - 2 Length (5 and 6 mm)

Open outer sleeves

- For limited space
- Drill swiveled over entire sleeve length
- Inner sleeve is secured against tilt



#### Inner sleeves

fit exactly into the outer sleeves

Inner sleeve with funnel

- easier insertion
- Diameter from 1.50 mm to 2.80 mm



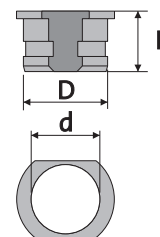
Inner sleeve with mit depth stop

- for drills with small depth stop
- Diameter from 1.16 mm to 2.35 mm



### Titanium guide sleeves

- For "full-guided" surgical kits
- Alternative sleeves for open systems planning
- Diameter and length adjusted to the guide sleeves of established surgical kits



D = Outside diameter  
d = Inner diameter  
L = Length

#### Equipment

##### Template drill

Pressing sleeve instead of gluing



##### Pressing tool

for easier handling



##### Sleeve holder

for gluing



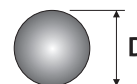
### Titanium reference balls

Balls  $\varnothing 5.00$  mm

- Simple planning tools
- For mucosal thickness measurement
- Less artifacts in the X-ray image than steel balls

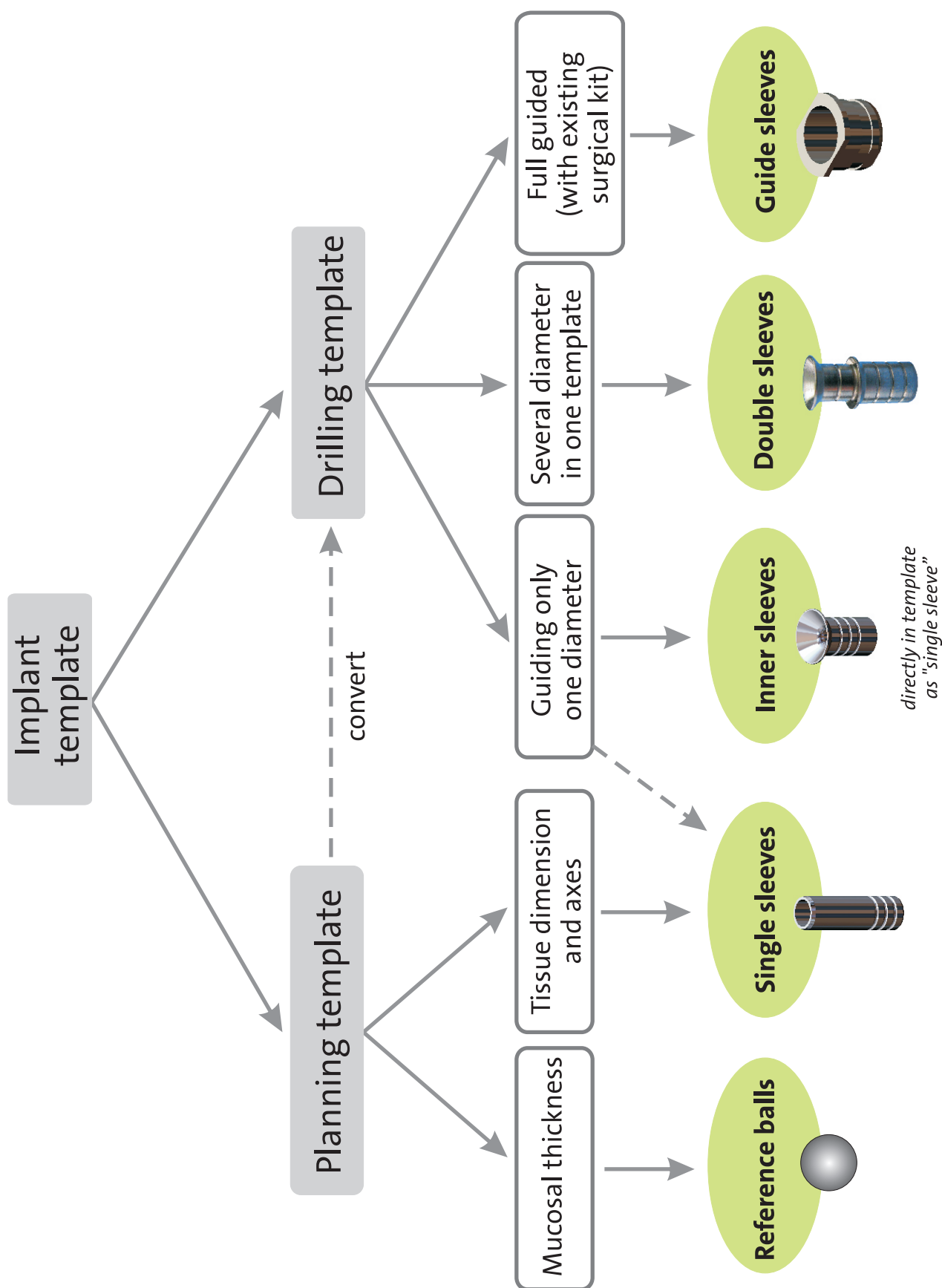
Balls  $\varnothing 2.50$  mm

- Used as position markers



D = Diameter

## Sleeve overview



directly in template  
as "single sleeve"