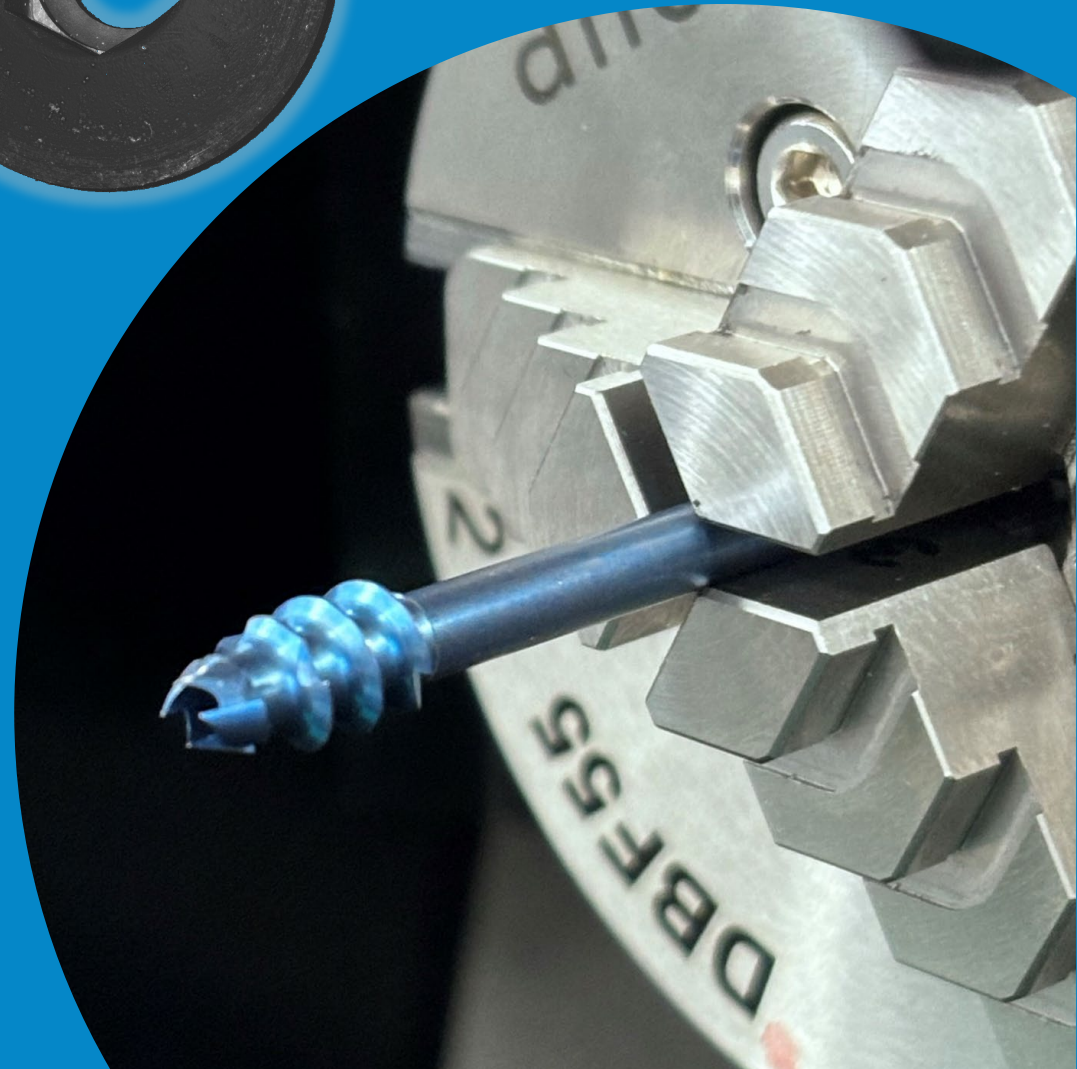
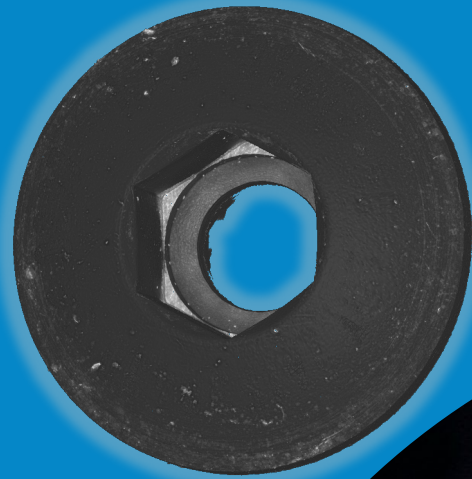


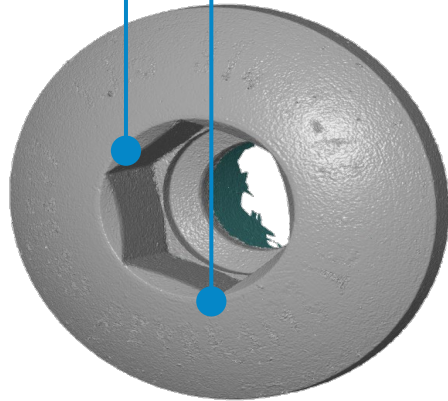
# Bruker alicona Bone Screws



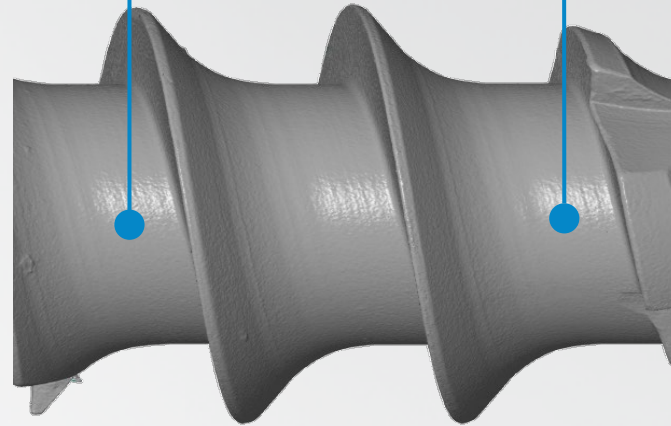
Dominik Klemencic  
December 2024

# Application Overview

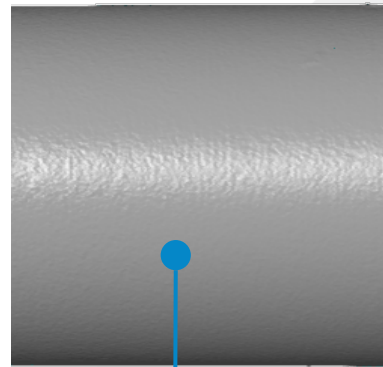
Head recess / Countersink geometry



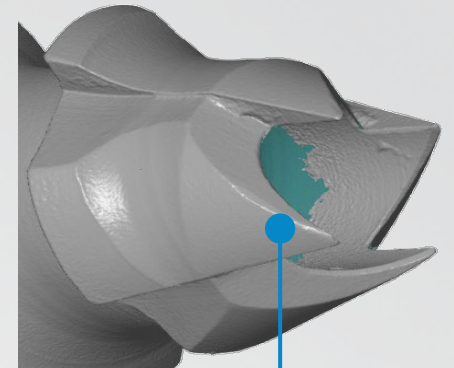
Thread geometry / Surface properties of thread



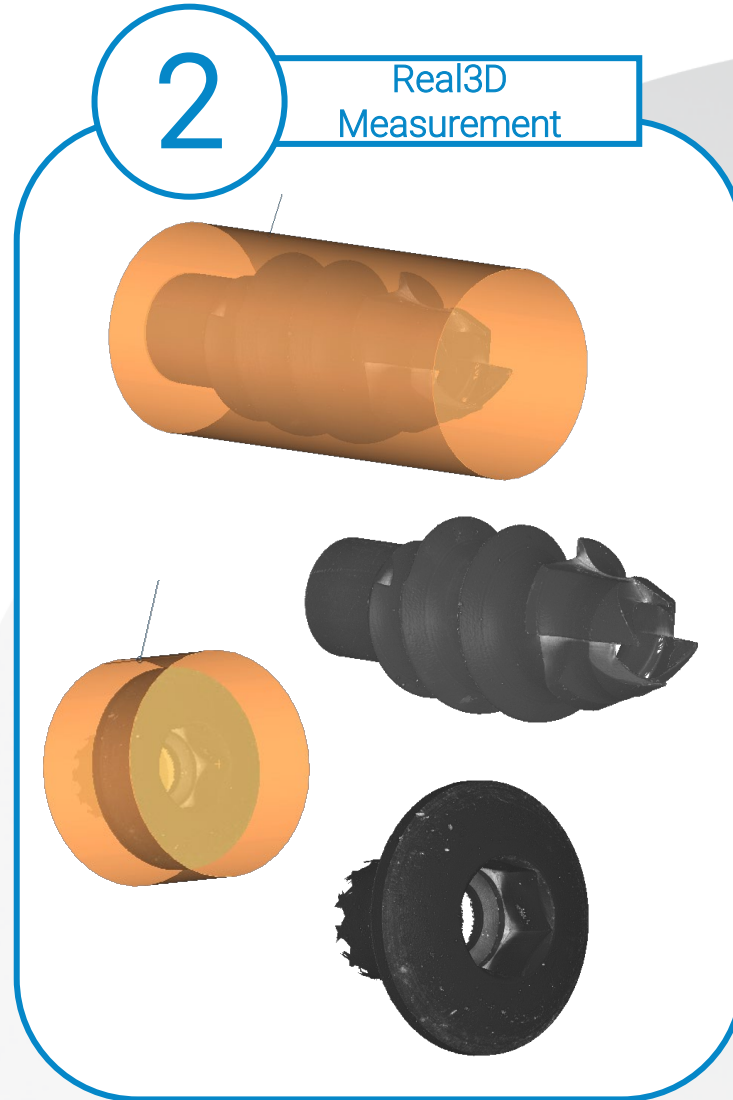
Shaft geometry and run-out into thread



Tip flute geometry



# ✂ Solution / Process



**3** Reporting

Measurement Report

Keywords	
Part number	0505
Serial number	1234
Operator	Dominik Klemencic

Software/Plugin	
Used Version	4.5
MetMax	

Diameter.d1	
Actual	+6.450

Angle 5.z.z	
Actual	+119.93

Angle 8.z.z	
Actual	+119.83

Angle 4.z.z	
Actual	+120.22

Angle 1.z.z	
Actual	+119.88

Angle 3.z.z	
Actual	+119.99

Angle 2.z.z	
Actual	+120.19

Angle 7.z.z	
Actual	+42.95

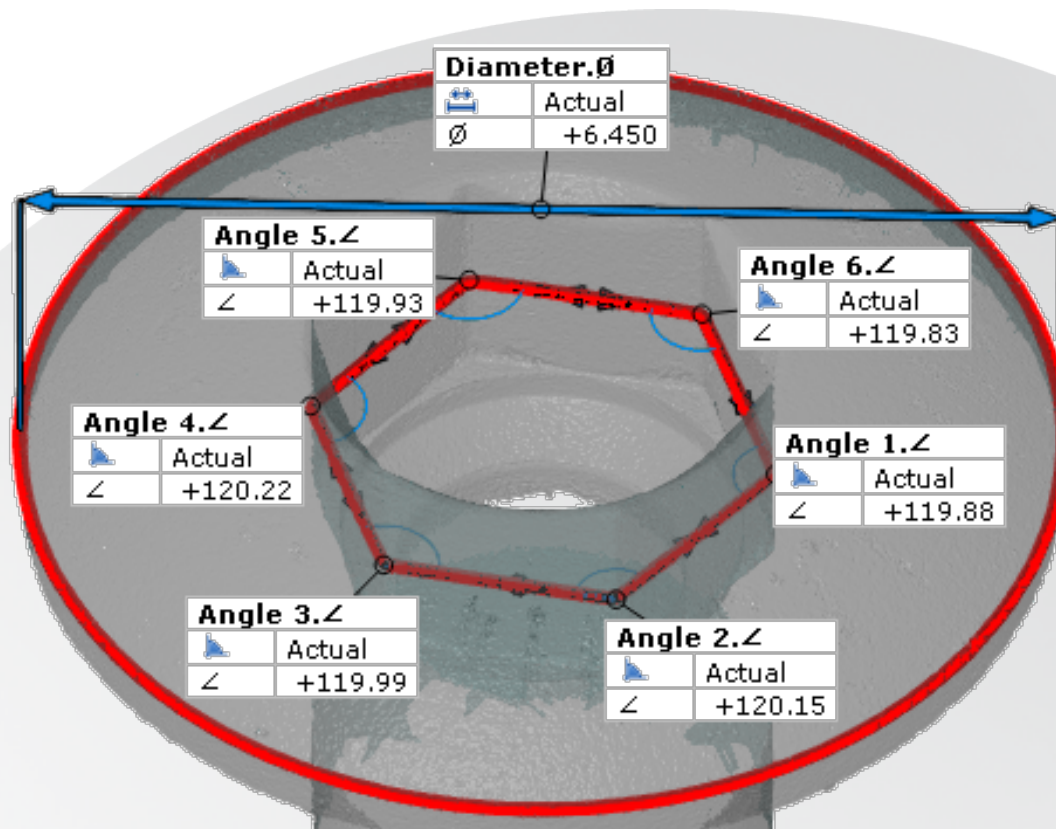
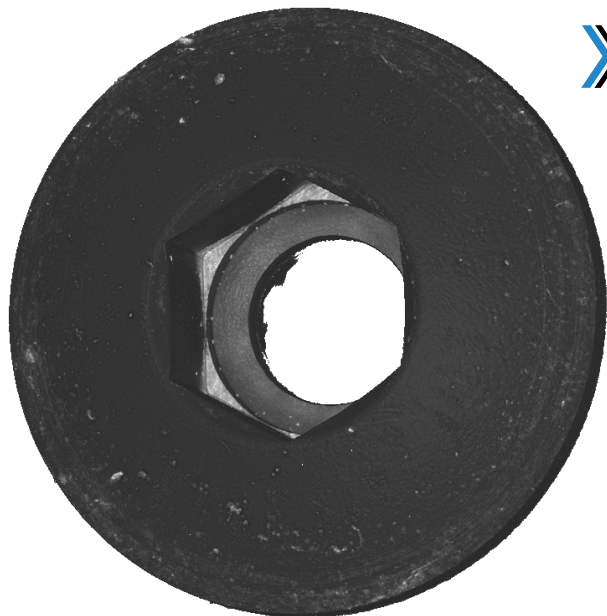
Angle 8.z.z	
Actual	+43.35

BRUKER

1/1

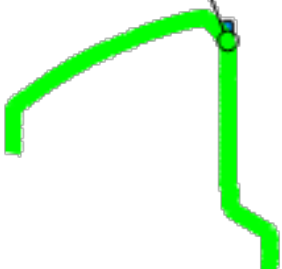
Bruker alicon

# ✕ Bone Screw Measurements



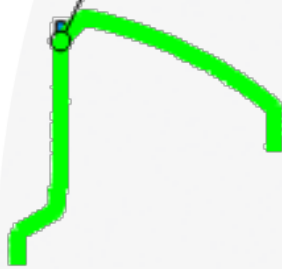
**Angle 7.∠**

Actual
∠ +42.95



**Angle 8.∠**

Actual
∠ +43.35



# ✕ Bone Screw Measurements



Shaft Diameter	
	Actual
∅	+2.822

Shaft Diameter Concentricity	
	Actual
	0.253

Pitch.L	
	Actual
L	+1.998

Radius.R	
	Actual
R	+1.117

Cutting Edge Radius.R	
	Actual
R	+0.038

Rake Angle.∠	
	Actual
∠	+44.57

Diameter Screw	
	Actual
∅	+4.590

Corediameter	
	Actual
∅	+2.834

Angle 1.∠	
	Actual
∠	+125.57

Angle 2.∠	
	Actual
∠	+92.11

