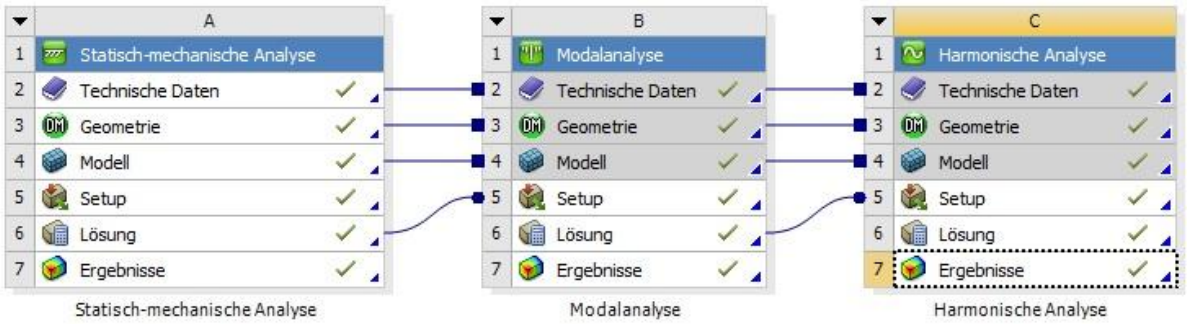
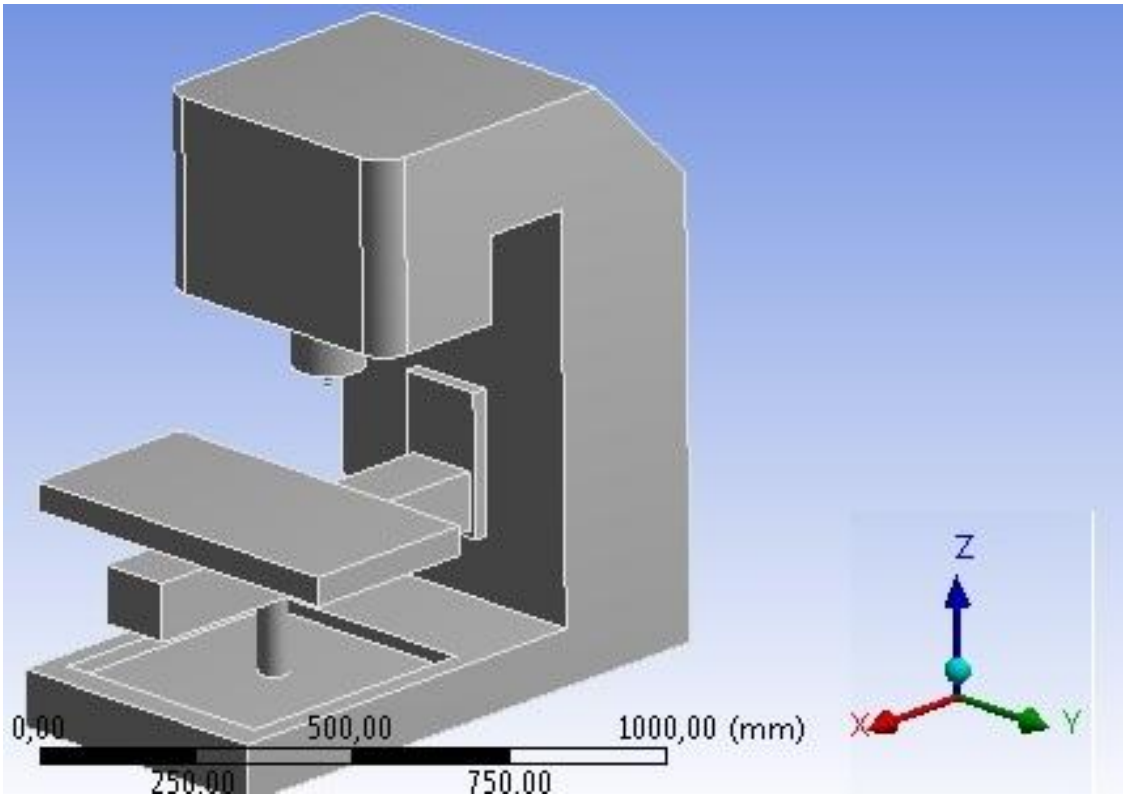
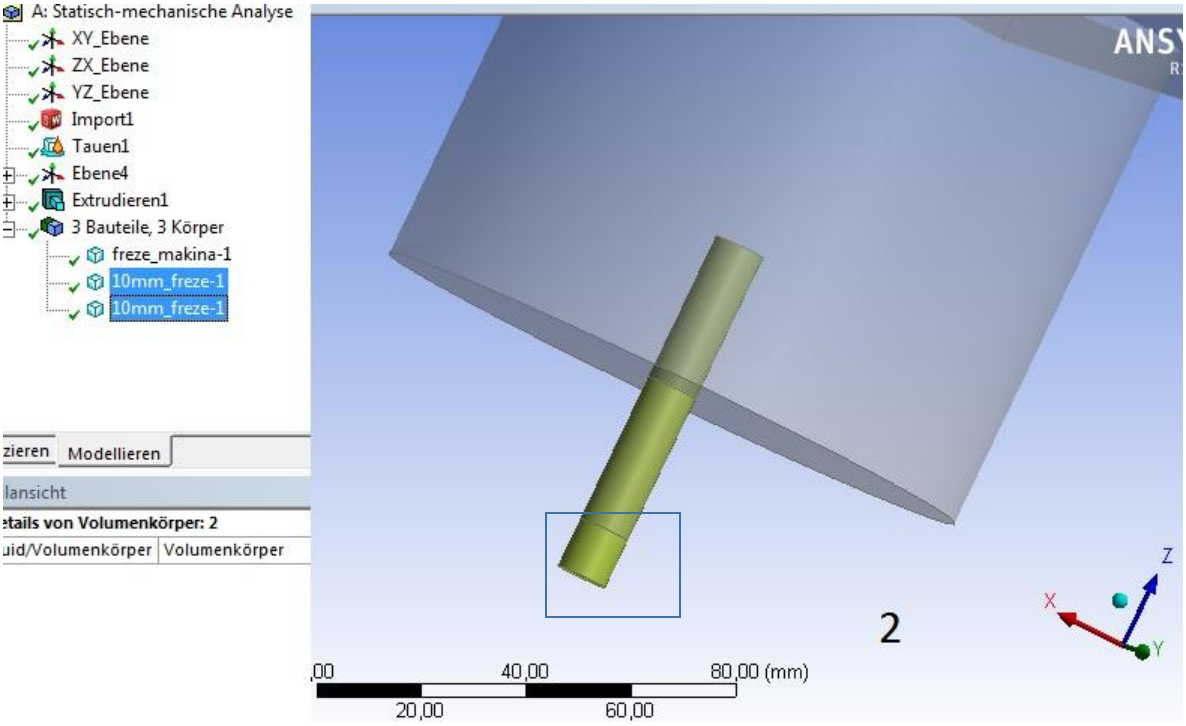


1

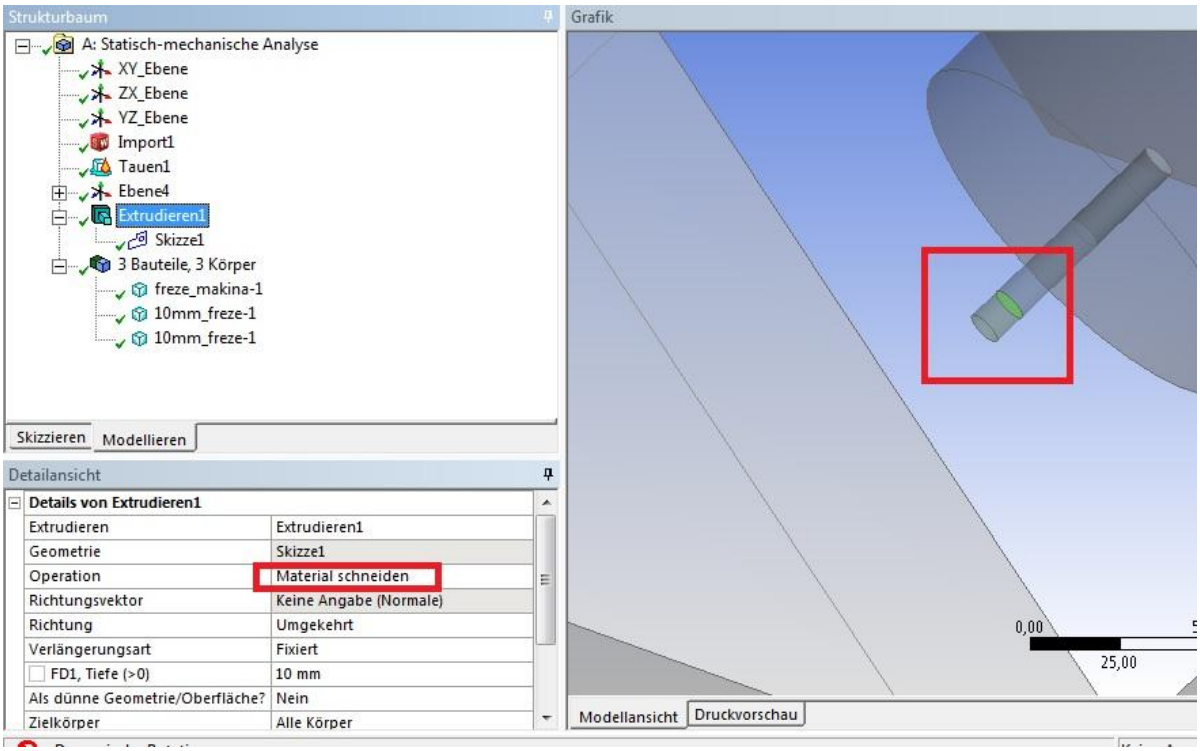
I started with static-mechanical-analysis because my part is turning with an angular velocity.



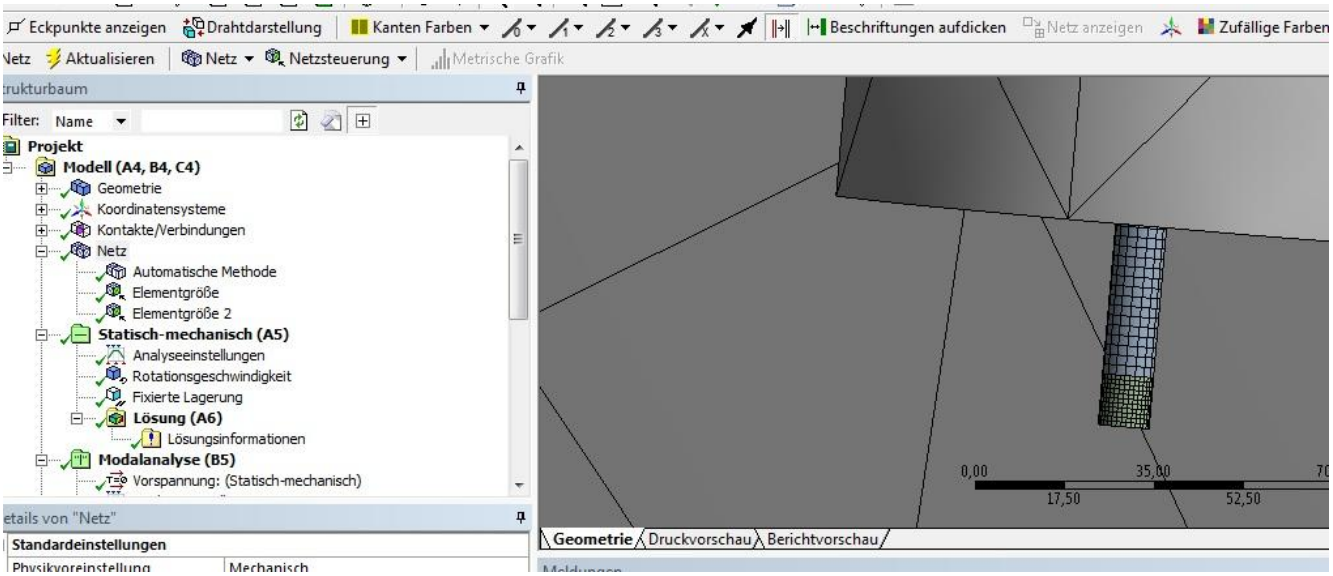
This is the assembly file from solidworks. İ drow the “machine” and the “end mill” in solidworks.

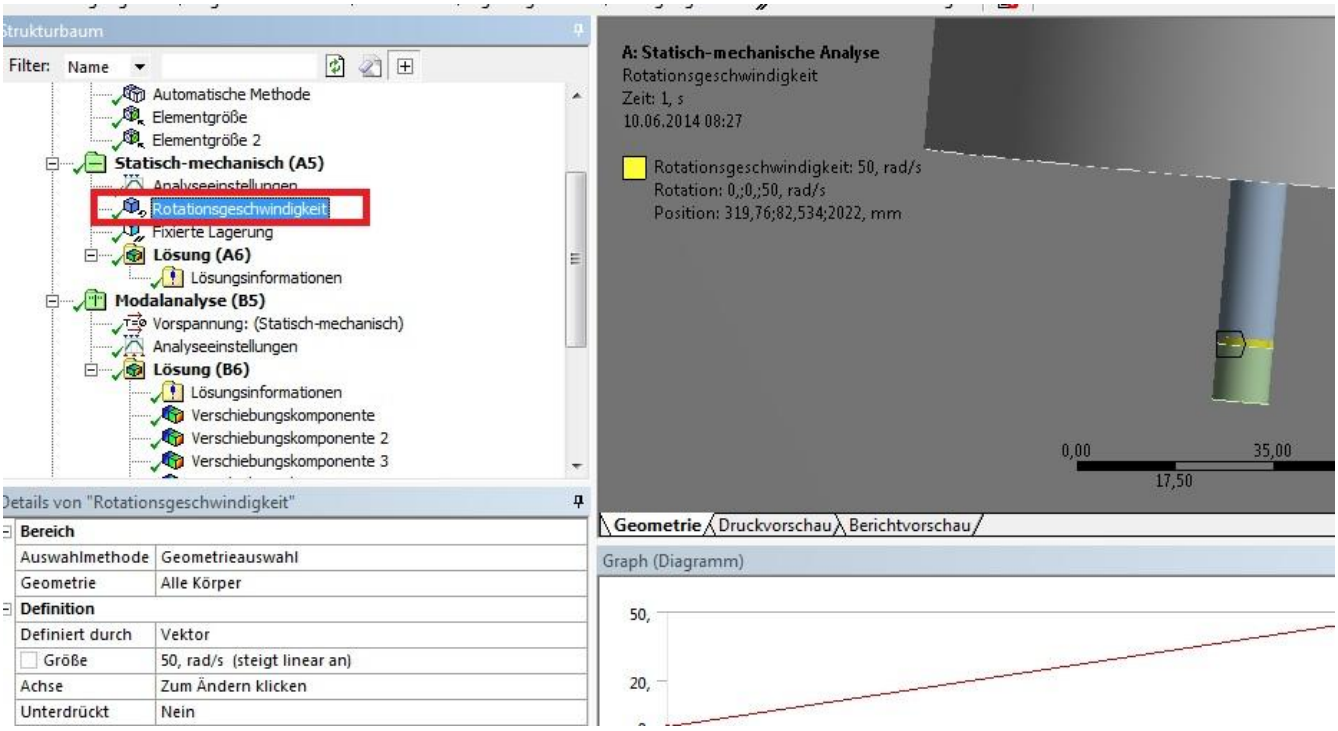


İ cut the “end mill” in 2 parts in order to analyse only the first 10mm



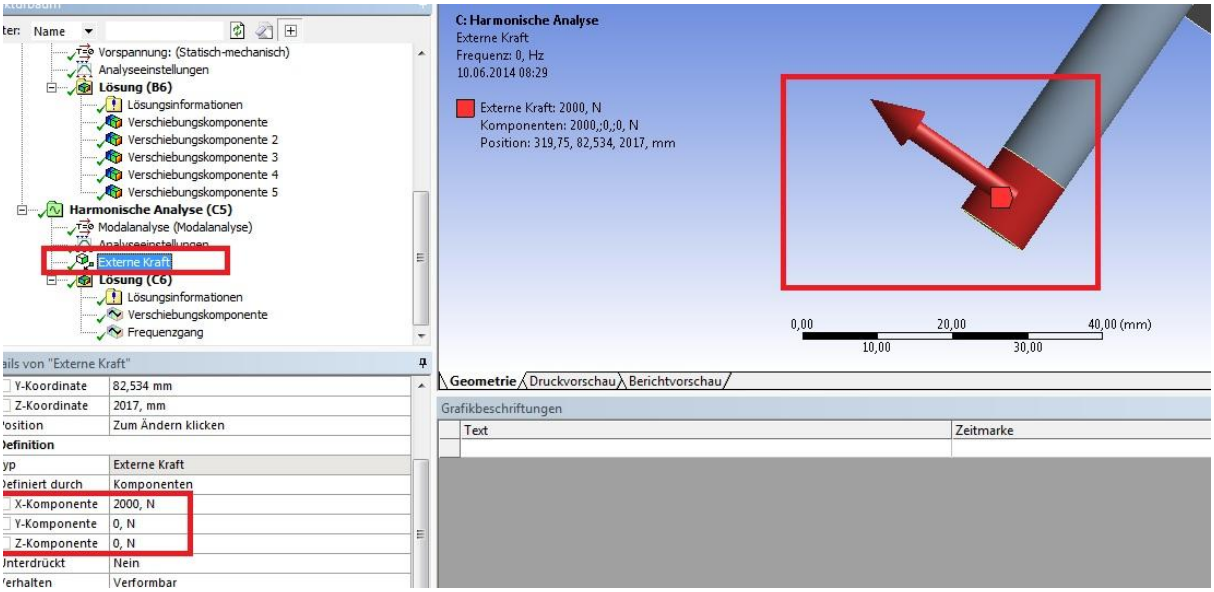
. I am not sure if it brings me false results but i can’t do it without cutting.





Details von "Rotationsgeschwindigkeit"

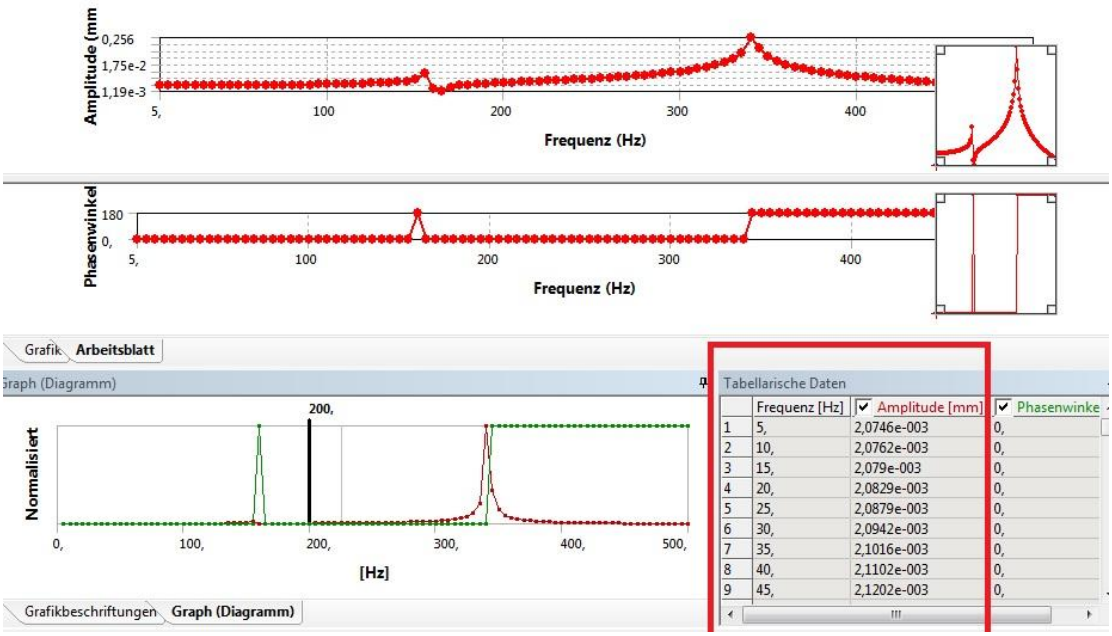
Bereich	
Auswahlmethode	Geometrieauswahl
Geometrie	Alle Körper
Definition	
Definiert durch	Vektor
Größe	50, rad/s (steigt linear an)
Achse	Zum Ändern klicken
Unterdrückt	Nein



External Force of 2000 N in direction of x

İ use harmonic analysis because it s the only way i know how the dynamic Force changes.

When i use PSD… i can not see how it changes.



AND THE RESULT

NOW THE PROBLEM IS I DONT HAVE THE TRANSFER FUNCTION.

I HAVE THE DEFORMATION OVER FREQUENCY

I HAVE THE FORCE OVER FREQUENCY(it must be constant 2000N over frequency)

BUT WHAT I NEED IS A GRAPHIC LIKE THIS….