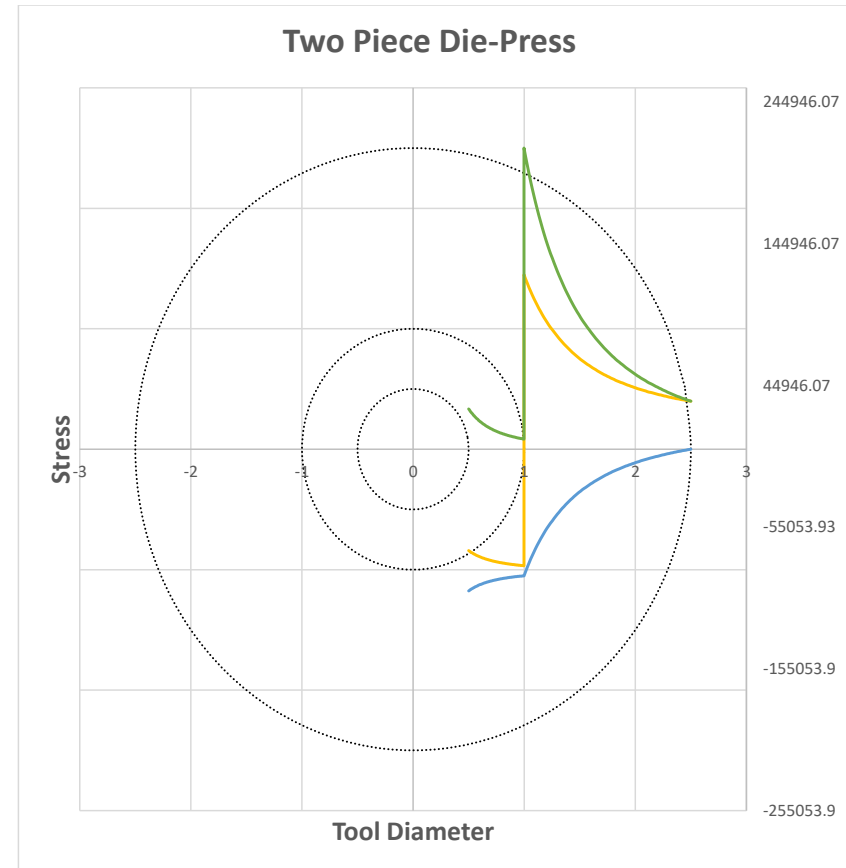


Input		
Insert	Material	Carbide(ND20)
	ID	1
	OD	2
Casing	Material	H13(RC46-49)
	ID	1.99
	OD	5
Forming Pressure		100000

Results		
Interference Pressure		67348.08891
Insert	Disp Outer Surface (Radius)	0.001325
	Tangential Stress - Inside Surface	-71562.525
	Tangential Stress - Outside Surface	-82208.738
	Radial Stress - Inside Surface	-100000
	Radial Stress - Outside Surface	-89353.787
Due to Interference , new ID		0.997504
Casing	Disp Inner Surface (Radius)	0.003675
	Tangential Stress - Inside Surface	123191.154
	Tangential Stress - Outside Surface	33837.367
	Radial Stress - Inside Surface	-89353.787
	Radial Stress - Outside Surface	0
Due to Interference , new OD		5.004181

Study Information (Change as needed)	
Part #	Trial
Study Date	4/5/2019
Project	Two-Piece Study
Name	Gaurav Nagpal



English Unit System

Dia **inches**

Stress **lbs**

Pressure **lbs/in²**