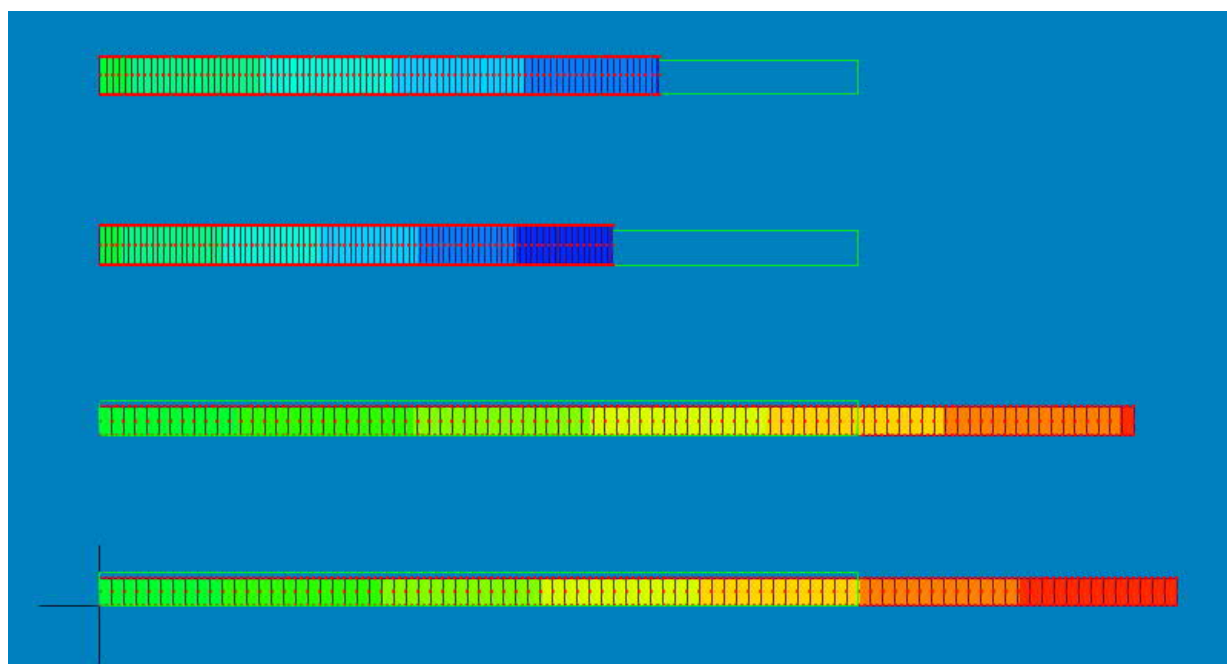
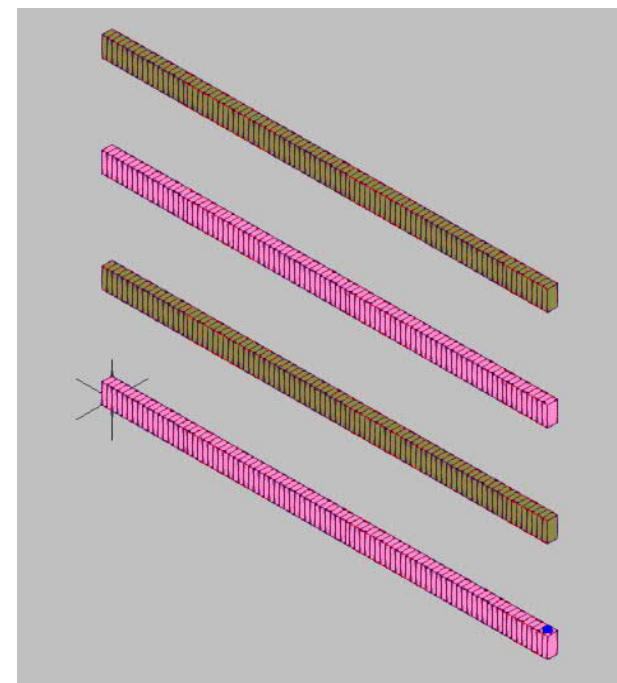
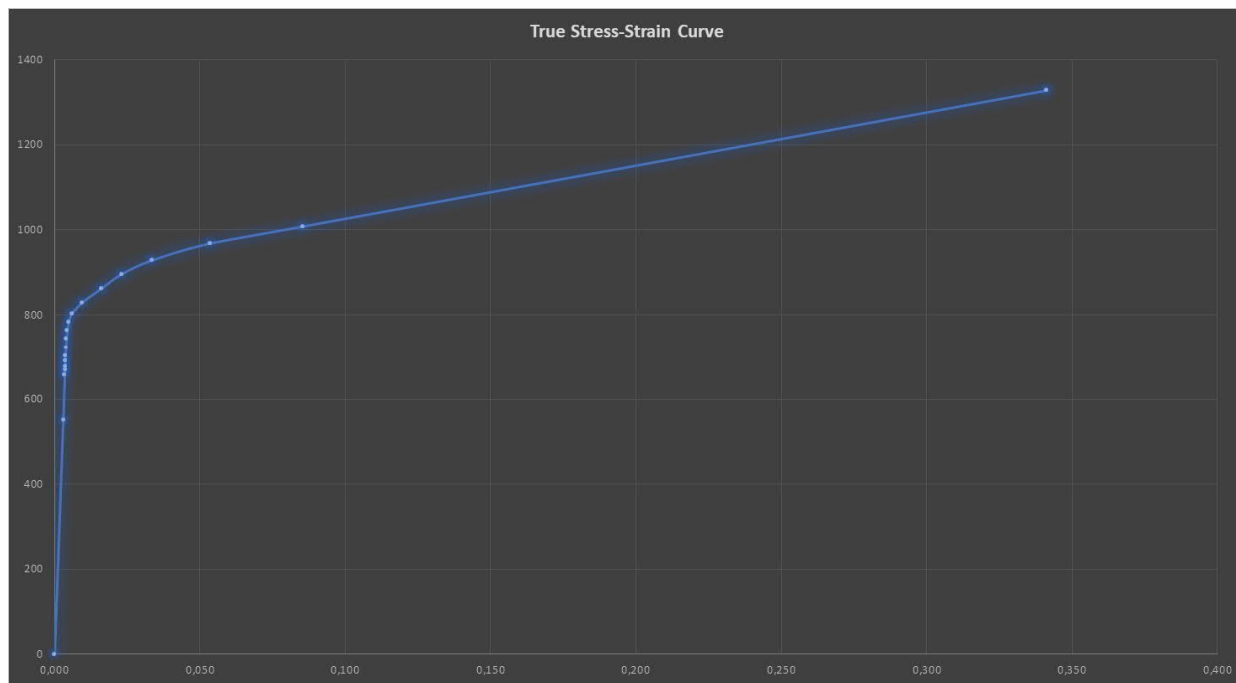




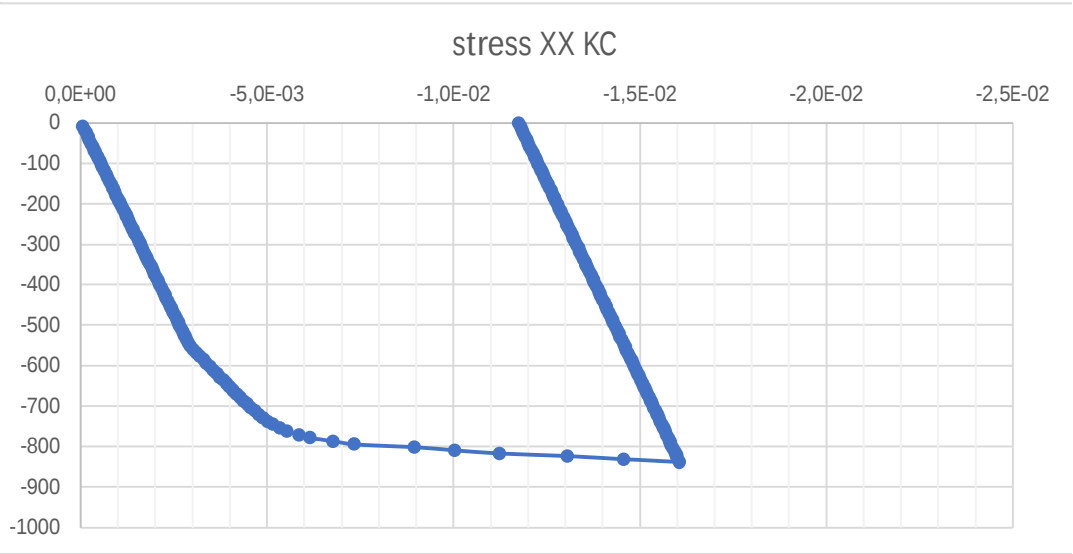
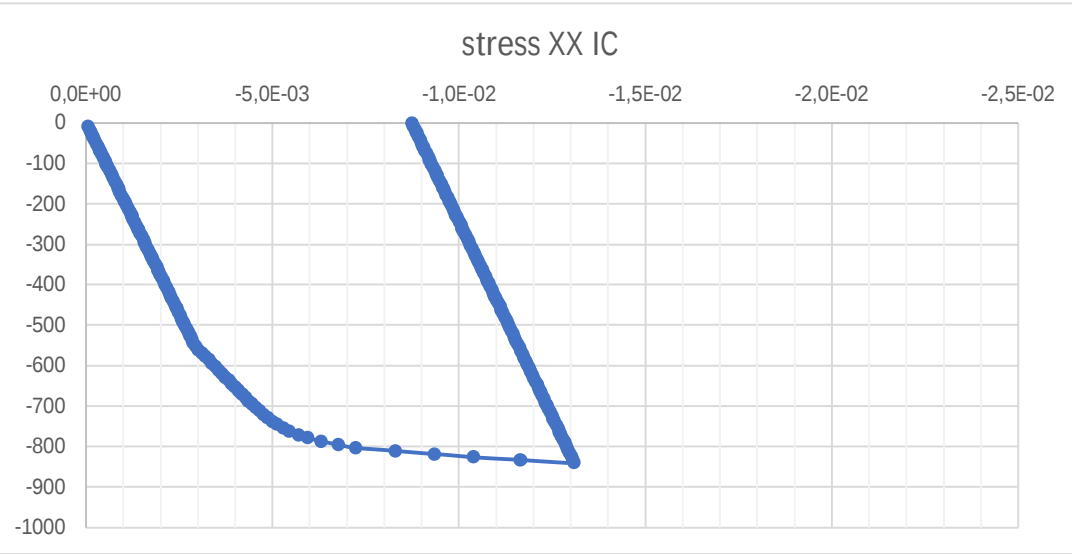
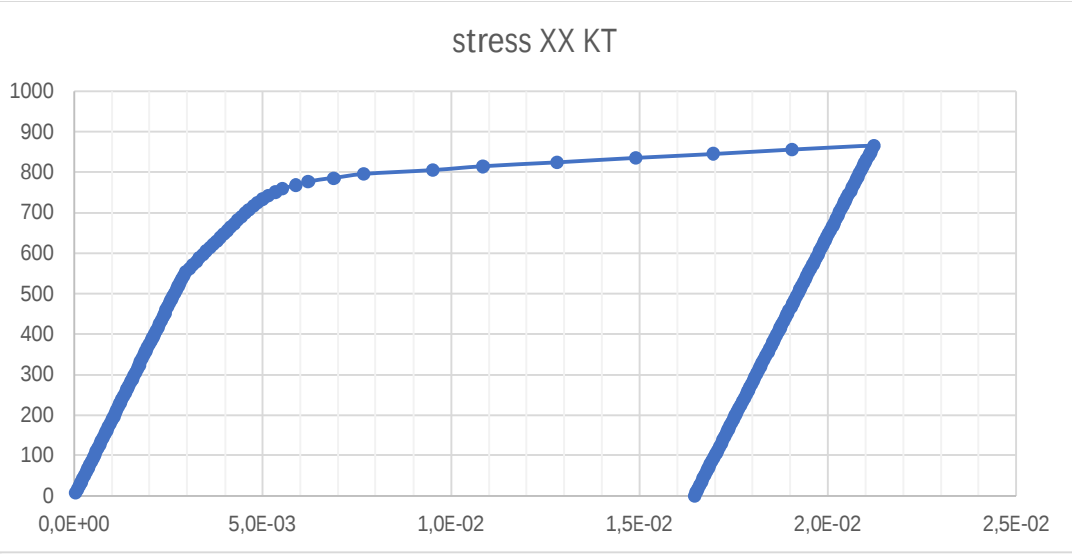
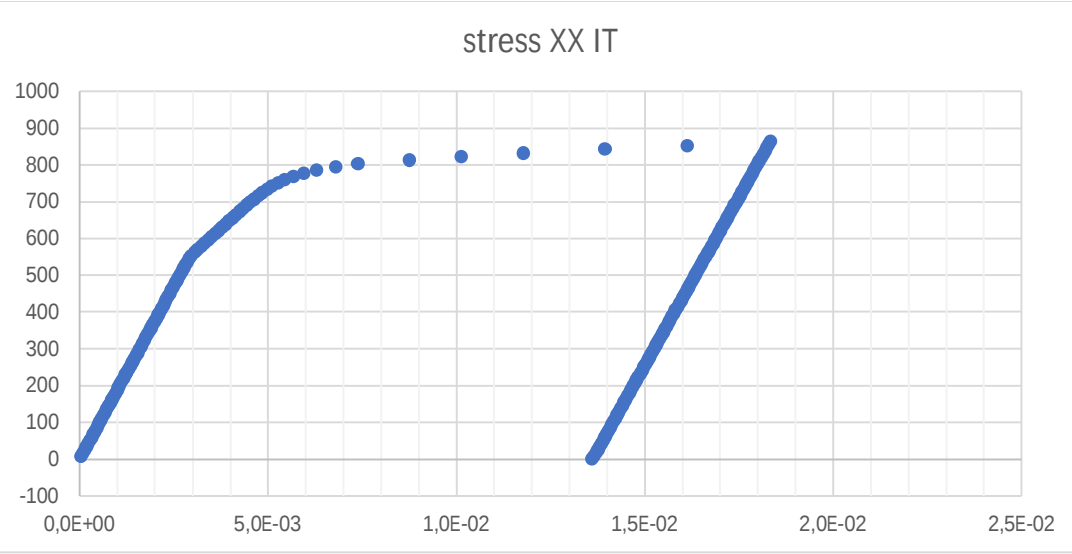
XX displacement at maximum Load is represented.

Same True Stress Strain Curve for all four Specimens

Determination of the Proportional Limit.	$\sigma_t =$	551 Mpa
	$\epsilon_{ts} =$	0.002923
Modulus of Elasticity (E_y)	E_y	188716
Engineering Yield Strength (0.2% Offset)(S_y)	S_{yt}	806,687
Engineering Tensile Strength (S_u)	S_{ut}	930,78
0.2% Yield Strength Offset	ϵ_{ys}	0,002
Material Parameter (ϵ_p) .Table 3-D.1	ϵ_p	0,00002

MODEL REPRESENTATION

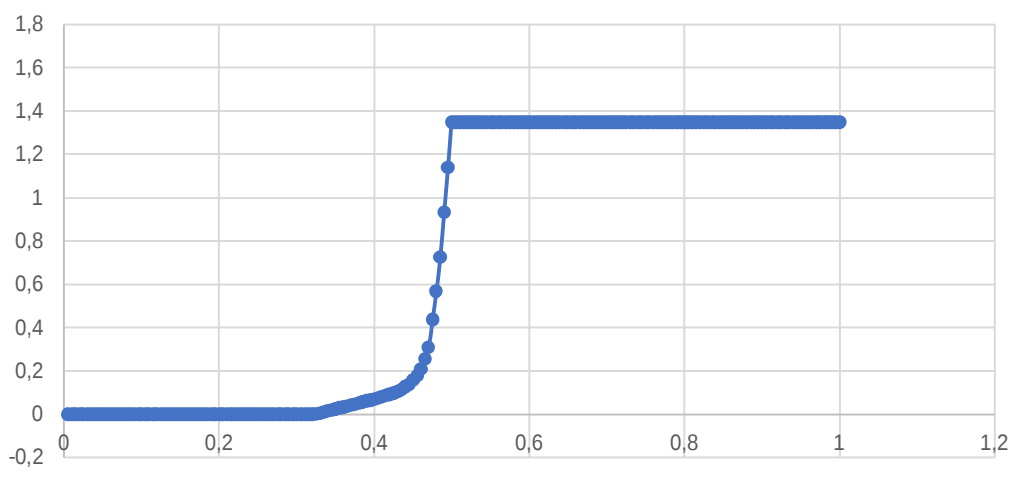
KC	Kinematic Under Uniaxial Compression
IC	Isotropic Under Uniaxial Compression
KT	Kinematic Under Uniaxial Tension
IT	Isotropic Under Uniaxial Tension



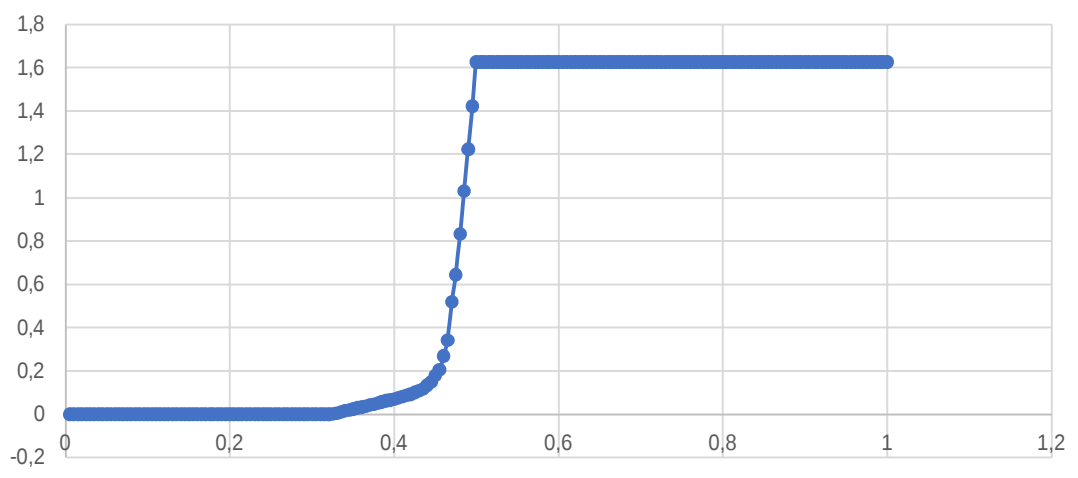
IT Isotropic Under Uniaxial Tension
IC Isotropic Under Uniaxial Compression

KT Kinematic Under Uniaxial Tension
KC Kinematic Under Uniaxial Compression

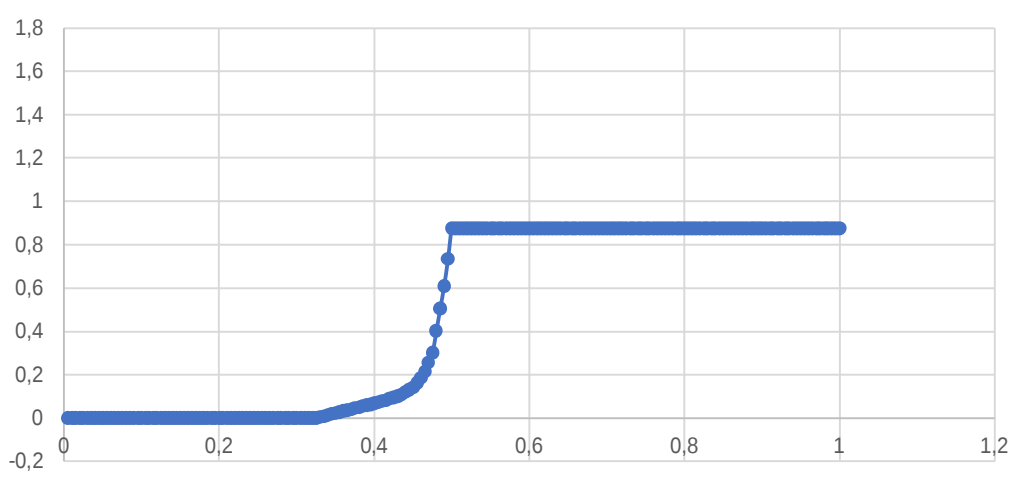
Equivalent_Plastic_Strain_% IT



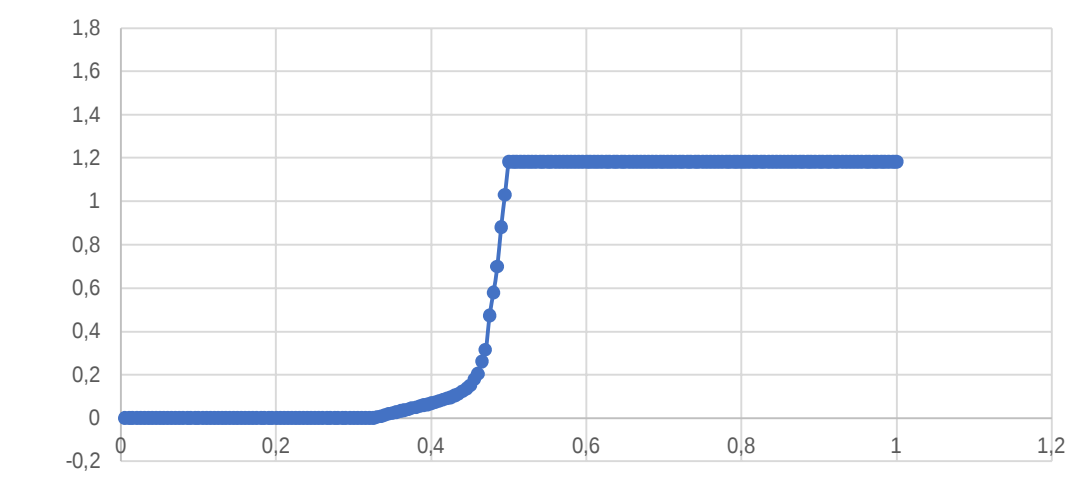
Equivalent_Plastic_Strain_% KT



Equivalent_Plastic_Strain_% IC



Equivalent_PlastKC_Strain_% KC



IT Isotropic Under Uniaxial Tension
IC Isotropic Under Uniaxial Compresion

KT Kinematic Under Uniaxial Tension
KC Kinematic Under Uniaxial Compresion

Equivalent Plastic% - abs(eX)%