ENDPOINT™

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☐ Insertion Torque

#	Screw .step File Name	Sawbones® Grade	Insertion Depth (mm)	Pilot Hole Diameter (mm)	Coefficient of Friction (CoF)*
1		20 PCF			
2		20 PCF			
3		20 PCF			
4		20 PCF			
5		20 PCF			

☐ Axial Pullout Force

#	Screw .step File Name	Sawbones® Grade	Insertion Depth (mm)
1			
2			
3			
4			
5			

*The predictive capability of the insertion model depends on having prior knowledge of the CoF between the screw and the Sawbones material grade [1]. The model's sensitivity to this parameter means that uncertainties regarding the CoF can potentially impact the results. Therefore, providing an accurate value is crucial for utilizing the results in a predictive manner. In the event that the CoF is unknown, the model can still generate a prediction based on an estimated CoF. It's essential to acknowlege the uncertainty associated with the estimated value, and results should be interpreted with caution in such scenarios. Nevertheless, the model can still be confidently used for comparative purposes in determining the relative performance or identifying the worst-case configuration among multiple screw designs. If you only intend to use this insertion torque test for comparative purposes you do not need to specify the CoF in this form. In this instance, please indicate "NOT REQUIRED".

[1] Benoit et al. (2023) Validation of a virtual mechanical test for the prediction of screw insertion torque in Sawbones® polyurethane foam in accordance to ASTM F543 standard.

Should you require any assistance to complete this form, please contact
sawbones@numalogics.com