Tolerance Stack-up Report: 1D Sample Stack

Revision: A, Author: Samuel Lehmann, Date: 2022-04-17

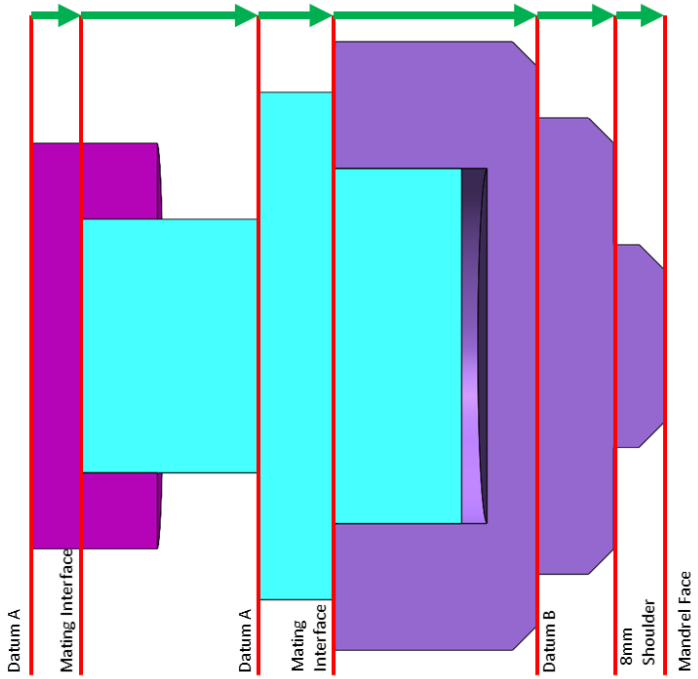
Overall Parameters

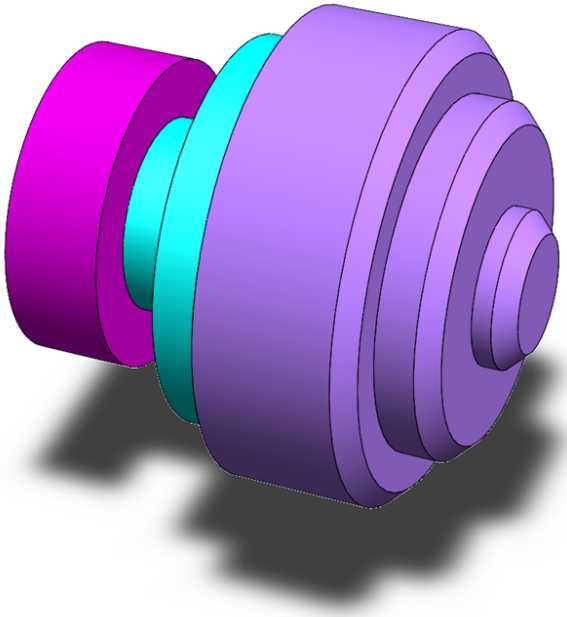
Stackup Type	Lower Specification Limit	Upper Specification Limit
One Dimensional Stackup	24.2	25.6

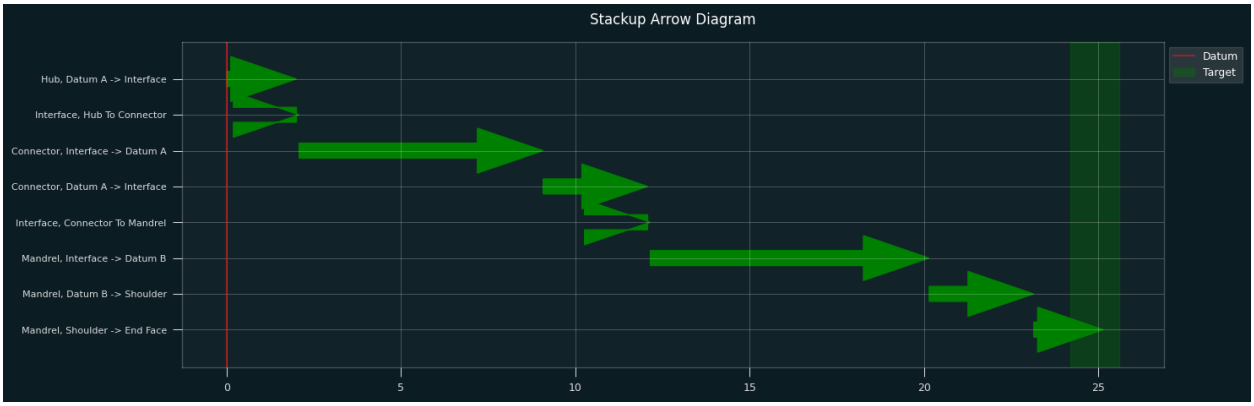
Overall Stackup Results			
Mean:	24.88	Median:	24.88
Minimum:	23.41	Maximum:	26.3
Standard Deviation:	0.34	CPK:	0.7
Number of Samples:	50000	Absolute Limits:	(24.2, 25.6,)
Percent Below Limit:	2.34%	Percent Above Limit:	1.7%
Percent Within Limits:	4.03%	Percent Outside Limits:	95.97%

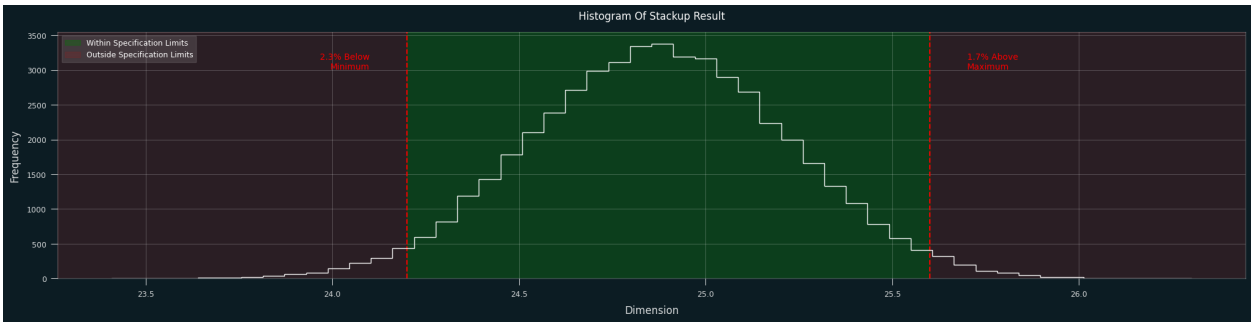
Part	Description	Distribution Type	Mean	Standard Deviation	Skew	Lower Limit	Upper Limit
Hub	Datum A -> Interface	Normal	2.0	0.15	-	0.0	0.0
Interface	Hub To Connector	Uniform	-	-	-	0.0	0.15
Connector	Interface -> Datum A	Normal	7.0	0.2	-	5.0	6.7
Connector	Datum A -> Interface	Normal	3.0	0.2	-	2.6	3.4
Interface	Connector To Mandrel	Uniform	-	-	-	0.0	0.15
Mandrel	Interface -> Datum B	Normal	8.0	0.15	-	0.0	0.0
Mandrel	Datum B -> Shoulder	Skewed Normal	3.0	0.15	3.0	0.0	5.0
Mandrel	Shoulder -> End Face	Normal	2.0	0.15	-	1.6	2.4

Overall Figures



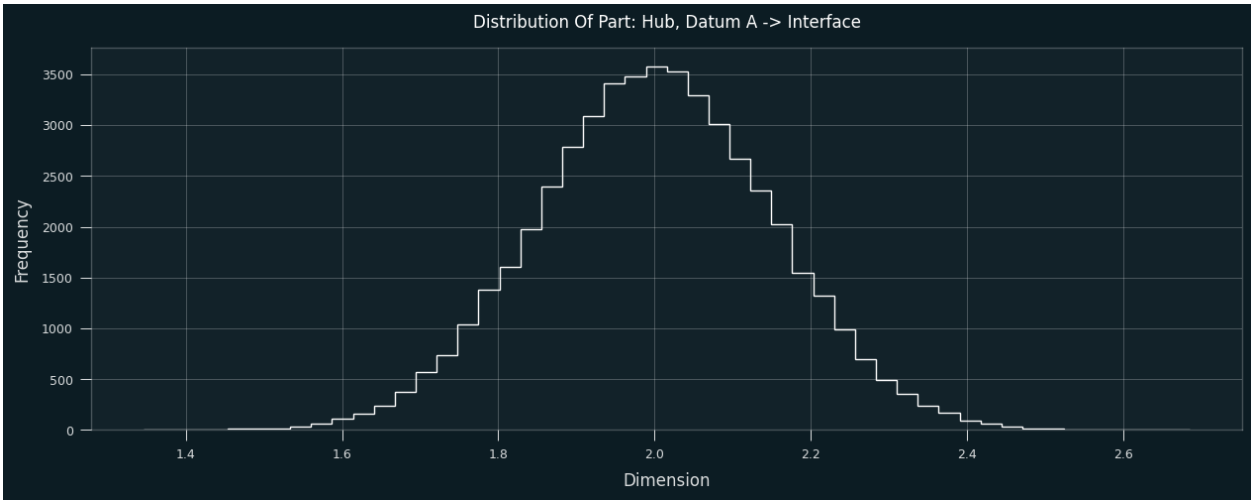




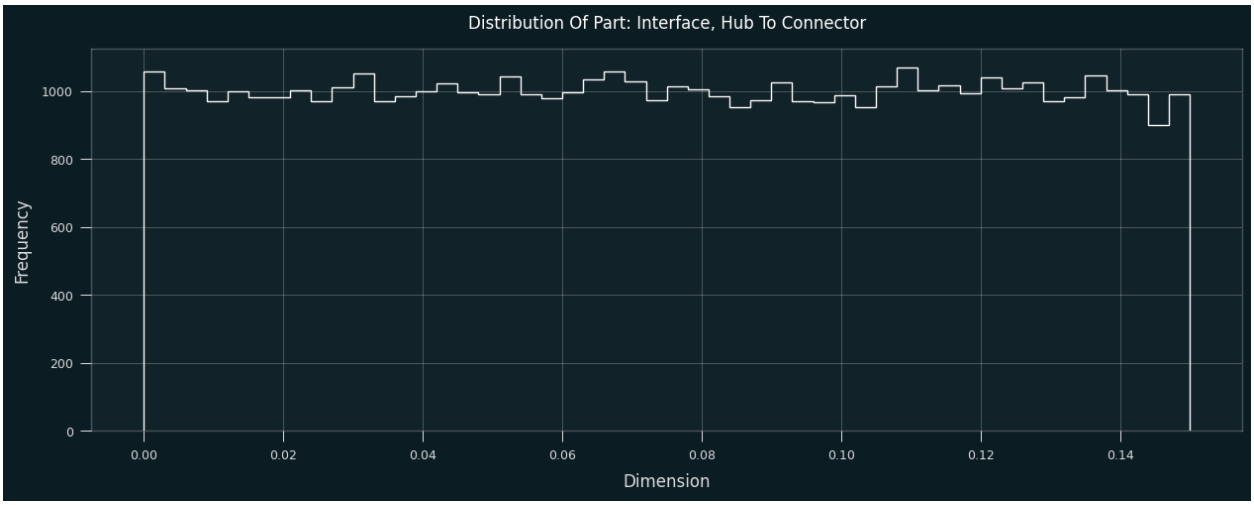


Detailed Stackup Step Information

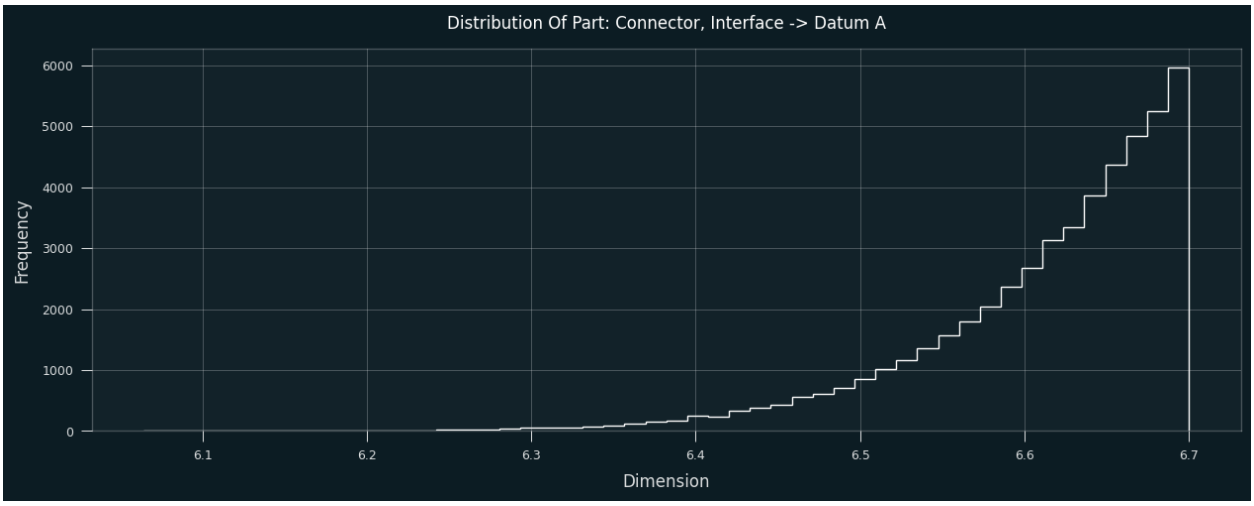
Overview for Hub, Datum A -> Interface			
Mean:	2.0	Median:	2.0
Min:	1.35	Max:	2.69



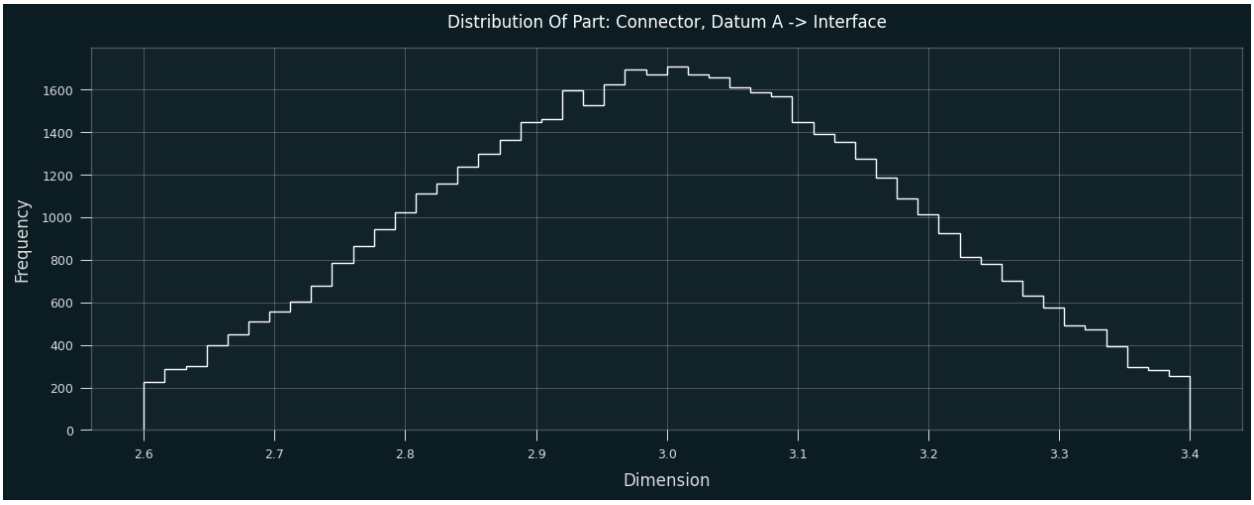
Overview for Interface, Hub To Connector			
Mean:	0.07	Median:	0.07
Min:	0.0	Max:	0.15



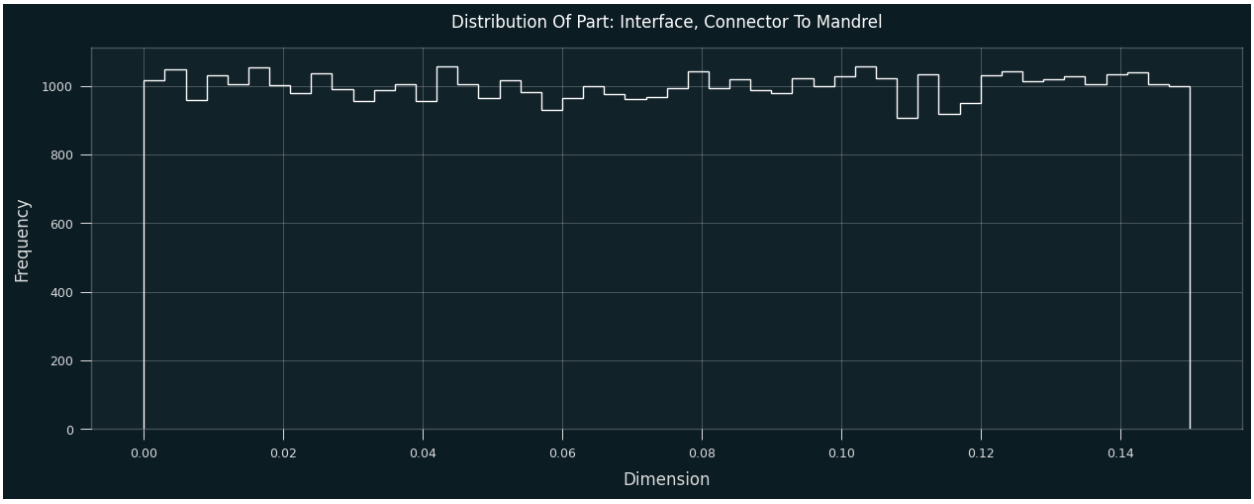
Overview for Connector, Interface -> Datum A			
Mean:	6.61	Median:	6.63
Min:	6.06	Max:	6.7



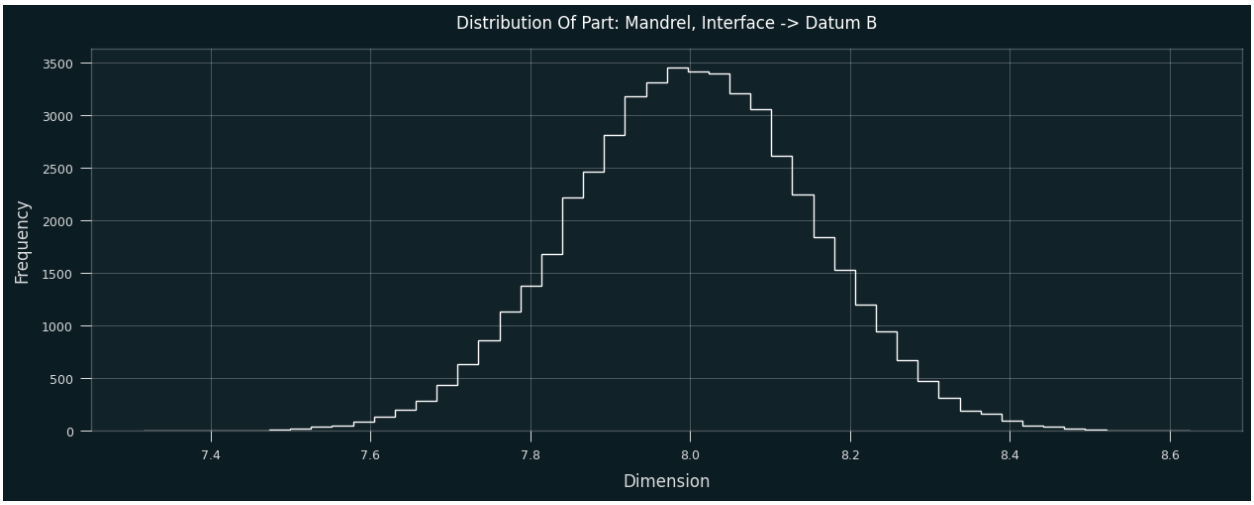
Overview for Connector, Datum A -> Interface			
Mean:	3.0	Median:	3.0
Min:	2.6	Max:	3.4



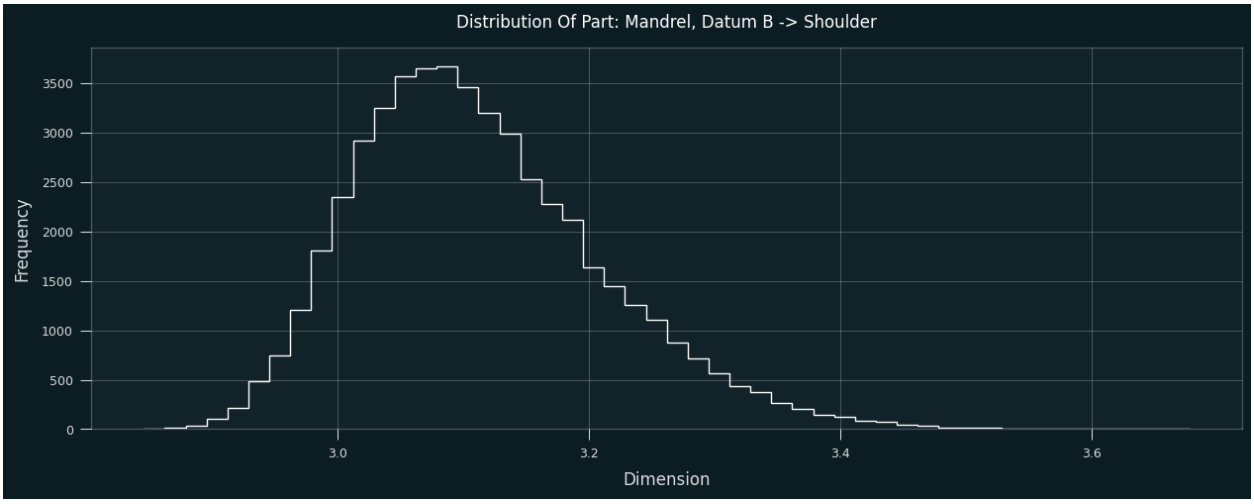
Overview for Interface, Connector To Mandrel			
Mean:	0.08	Median:	0.08
Min:	0.0	Max:	0.15



Overview for Mandrel, Interface -> Datum B			
Mean:	8.0	Median:	8.0
Min:	7.32	Max:	8.63



Overview for Mandrel, Datum B -> Shoulder			
Mean:	3.11	Median:	3.1
Min:	2.85	Max:	3.68



Overview for Mandrel, Shoulder -> End Face			
Mean:	2.0	Median:	2.0
Min:	1.6	Max:	2.4