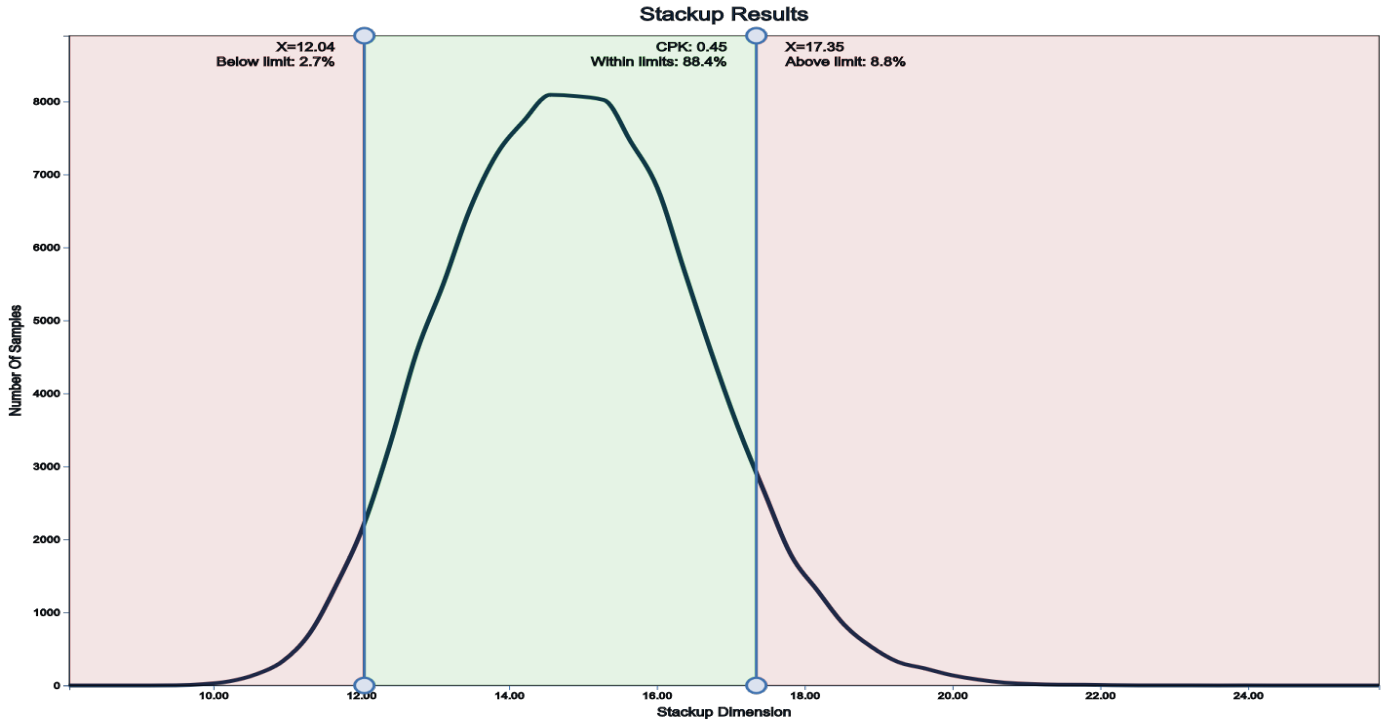
# Tolerance Stackup Report: Bearing Axial Tolerance Stackup

## Description

Sample tolerance stackup demonstrating capabilities.

## Stackup Steps:

| # | Name | Nominal | Tolerance | Distribution | Standard Deviation | Lower Cutoff | Upper Cutoff |
|---|---|---|---|---|---|---|---|
| 1 | Bearing To Shoulder | 5 | 12 | Normal | 2 | 7 | 19 |
| 2 | Shoulder To Shoulder | 3 | 2 | Uniform | 0.333 | NaN | NaN |
| 3 | Shoulder To Bearing | 4 | 5 | Normal | 0.833 | NaN | NaN |




## Statistical Results

| Parameter | Value |
|---|---|
| Mean | 15.06 |
| Median | 15.02 |
| Standard Deviation | 1.68 |
| Number Of Samples | 100000 |

| Stackup Type | Minimum | Maximum |
|---|---|---|
| Worst Case (Absolute) Tolerance Stackup | -7.00 | 31.00 |
| Statistical (Three Sigma) Tolerance Stackup | 10.03 | 20.09 |
| Range of Simulated Results | 9.53 | 24.29 |

| Range | Minimum | Maximum |
|---|---|---|
| 70% of Samples Fall Between | 13.27 | 16.81 |
| 95% of Samples Fall Between | 11.99 | 18.45 |
| 99% of Samples Fall Between | 11.25 | 19.68 |
| 99.9% of Samples Fall Between | 10.46 | 21.06 |
| 99.99% of Samples Fall Between | 10.00 | 22.36 |