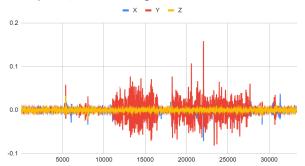
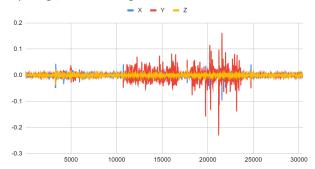
Cradle Stability testing

MDF spacers, 2 Linear Bearings



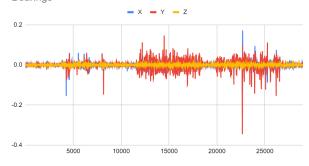
S	nlit	rings	4	linear	bearings
0	PIIL	111195,	4	IIIIeai	bearings



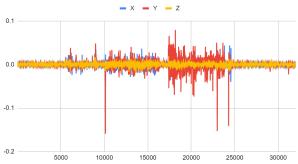
		Radians	Degrees	
N	lean Y	1.12E-05	0.0006391161378	
	Max Y	1.58E-01	9.078544912	

	Radians	Degrees
Mean Y	8.45E-05	0.004841776066
Max Y	1.62E-01	9.293165734

MDF spacer on 2 Linear Bearings, Split rings on 2 Linear Bearings



vvasners,	4	Linear	Bearings	
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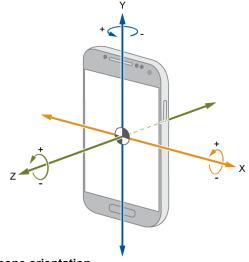


	Radians	Degrees	
Mean Y	-5.80E-05	-0.003323452525	
Max Y	1.46E-01	8.383934999	

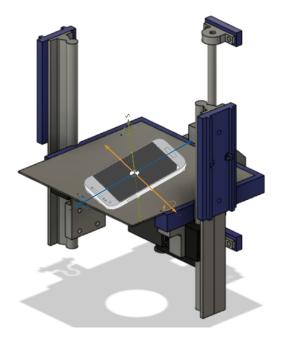
	Radians	Degrees
Mean Y	8.53E-05	0.004885246374
Max Y	7.93E-02	4.541670284

Test parameters

Measurement device : Samsung Galaxy S8 mini Units : Radians



Phone orientation



Operating details

10 seconds delay 5 seconds up 5 seconds down

Driven by **Bosch Hand Drill** directly to shaft *Drill settings :* 1 , drill state , 1

Findings

The lowest average was with 2 MDF spacers at 0.0006 Degrees

The lowest average with 4 total linear bearings, 2 MDF spacers , 2 Split rings at 0.003 Degrees

Using 4 linear bearings with just flat washers the smallest maximum angular deviation 4.54 Degrees

All test units reached equilibrium (approximately 0 degrees) at the end of the test

This indicated that the final resting point of the cradle is even and the wobble in transit doesn't effect the final position of the cradle