**Appendix B**

**Letter representation**

* **w** = test
* **x** = angle
* **y** = dimensions/size
* **z** = sample

**File name and Meaning**

* **SEE1\_arms**

|  |  |
| --- | --- |
| *3RecordedvsSimTorque-****y****\_****z****\_****x*** | Recorded against simulated torque response. |
| *RecordedSimAndSimOptimisedTorque-****y****\_****z****\_****x****-test-****w*** | Recorded against initial model against optimised simulation torque response. |
| *ComparisonGraph* | Compares all optimised torque responses. |

* **SEE2\_compact\_keyway**

|  |  |
| --- | --- |
| *RecordedSimAndSimOptimisedTorque-Version\_****z****\_****x****-test-****w*** | Recorded against initial model against optimised simulation torque response. |

* **SEE3\_keyway**

|  |  |
| --- | --- |
| *RecordedSimAndSimOptimisedTorque-Version\_****z****\_****x****-test-****w*** | Recorded against initial model against optimised simulation torque response. |

* **SEE4\_hex**

|  |  |
| --- | --- |
| *RecordedSimAndSimOptimisedTorque-Version\_****z****\_****x****-test-****w*** | Recorded against initial model against optimised simulation torque response. |
| *3tests\_comparison-****z****-angle****x*** | Comparison of 3 actual response on same graph. |
| *ComparisonAtAngle-****x*** | Simulated responses for all test samples, with target resting torque displayed. |

* **Solidsee**

|  |  |
| --- | --- |
| *springConstantVsAngle* | Change of spring constant in relation to angle – solid hex with coatings. |
| *torqueVsAngle* | Settling Torque against angle of rotation – solid hex with coatings. |
| *armsSpringConstantVsAngle* | Change of spring constant in relation to angle – solid arms. |

* **SEE5\_arms**

|  |  |
| --- | --- |
| *3RecordedvsSimTorque\_angle****x*** | Recorded against simulated torque response. |
| *3tests\_comparison-angle****x*** | Comparison of 3 actual response on same graph. |
| *comparison\_at\_different\_angles* | Simulated responses for all test samples. |
| *spring\_constant\_comparison* | Settling Torque against angle of rotation |