



## CALIBRATION DATA SUMMARY

### World SID 50th Neck Torsion (Left)

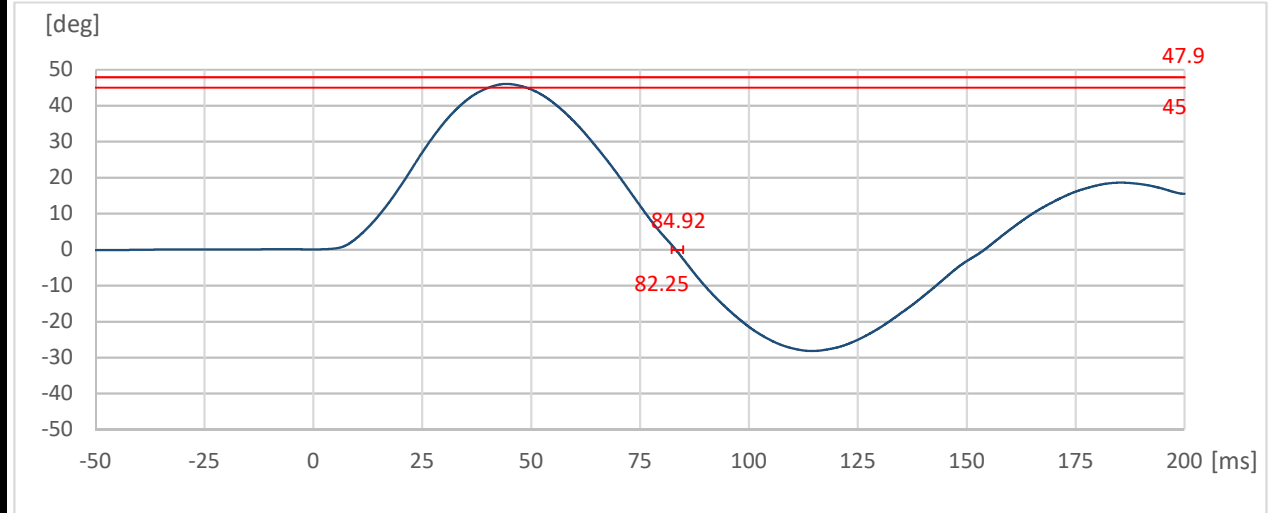
Test Parameter	Units	Specification		Result	Pass / Fail
Temperature	°C	20.6	22.2	21.5	<b>Pass</b>
Humidity	%	10	70	64.5	<b>Pass</b>
Impact Velocity	m/s	5.1	5.3	5.15	<b>Pass</b>
Pendulum Velocity at 10 ms after time zero (T0)	m/s	2.04	2.28	2.25	<b>Pass</b>
Pendulum Velocity at 15 ms after time zero (T0)	m/s	3.2	3.57	3.52	<b>Pass</b>
Pendulum Velocity at 20 ms after time zero (T0)	m/s	4.32	4.83	4.82	<b>Pass</b>
Peak Fixture Rotation	deg	45	47.9	46.04	<b>Pass</b>
Decay Time to 0 Degree from Peak Angle	ms	37.9	40.57	38.85	<b>Pass</b>
Peak Head Angular Velocity, Z axis	deg/s	1470	1536	1533.62	<b>Pass</b>
Peak Lower Neck Moment, Z axis	Nm	35.9	39.1	36.98	<b>Pass</b>
<b>Overall Test Results</b>					<b>Pass</b>



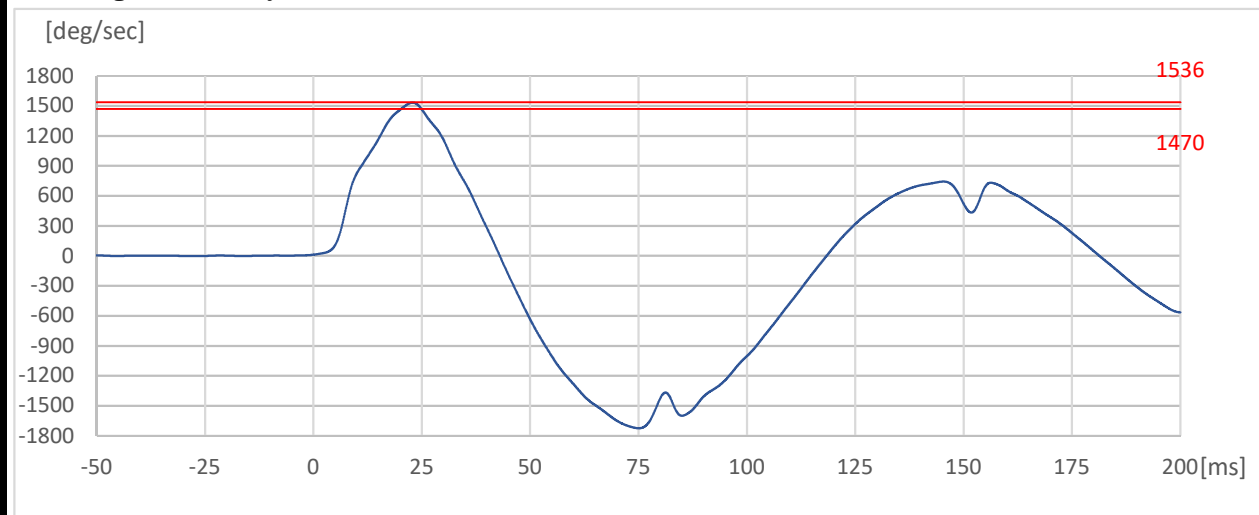
# CALIBRATION DATA GRAPH

World SID 50th  
Neck Torsion (Left)

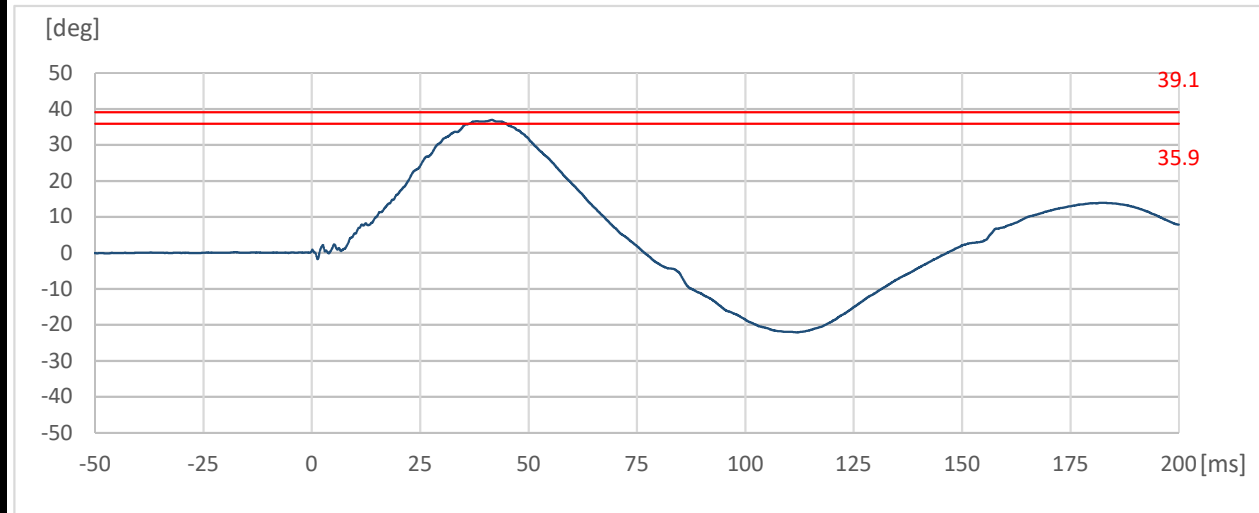
Fixture Rotation CFC 60 Peak : 46.04 (44.35)



Head Angular Velocity CFC 60 Peak : 1533.62 (22.90)



Lower Neck Moment CFC 600 Peak : 36.98 (41.55)



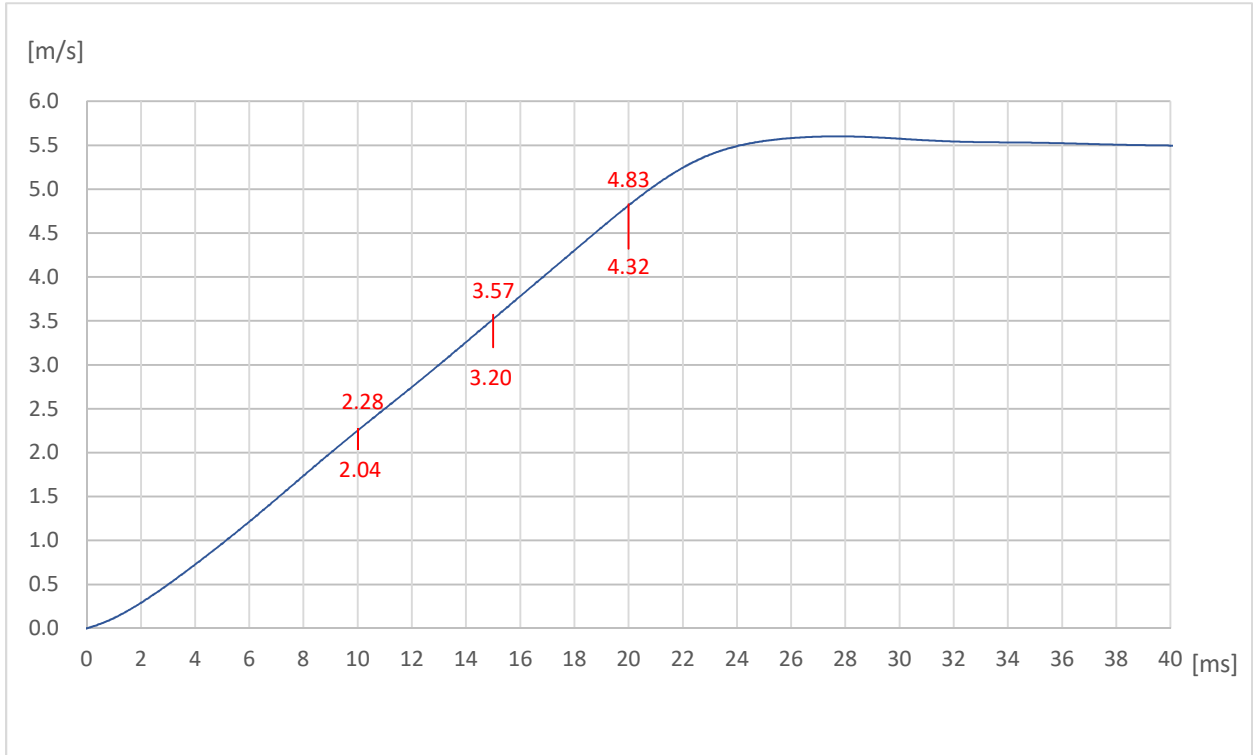


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World SID 50th  
Neck Torsion (Left)

Velocity Change

CFC 60



Velocity

nun

5.15 (m/s)

