



CALIBRATION DATA SUMMARY

World SID 50th Neck Pendulum (Left)

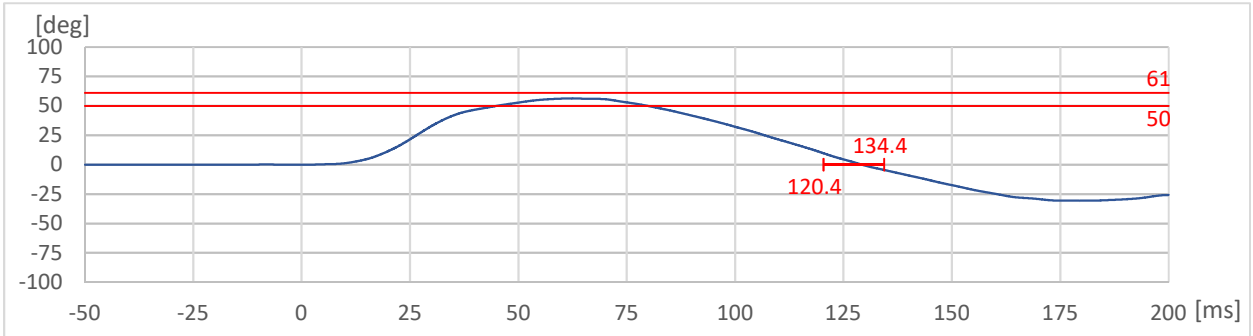
Test Parameter	Units	Specification		Result	Pass / Fail
Temperature	°C	20.6	22.2	20.8	Pass
Humidity	%	10	70	40.0	Pass
Pendulum Velocity	m/s	3.3	3.5	3.39	Pass
Velocity Change at 4 ms	m/s	0.77	1.04	0.79	Pass
Velocity Change at 8 ms	m/s	1.60	1.90	1.85	Pass
Velocity Change at 12 ms	m/s	2.43	3.29	2.98	Pass
Max Angular Displacement of The Headform Relative to The Pendulum , (β)	deg	50	61	56.44	Pass
Decay Time Of (β) To 0 Degree	ms	58	72	66.90	Pass
Peak Moment At Occipital Condyle	Nm	55	68	56.05	Pass
Peak Moment Decay Time to 0Nm	ms	71	87	81.90	Pass
Peak Forward Potentiometer Angular Displacement , (θf)	deg	32	39	35.83	Pass
Time Of θf	ms	56	68	63.25	Pass
Peak Rearward Potentiometer Angular Displacement , (θr)	deg	30	37	33.93	Pass
Time Of θr	ms	56	68	62.85	Pass
Overall Test Results					Pass



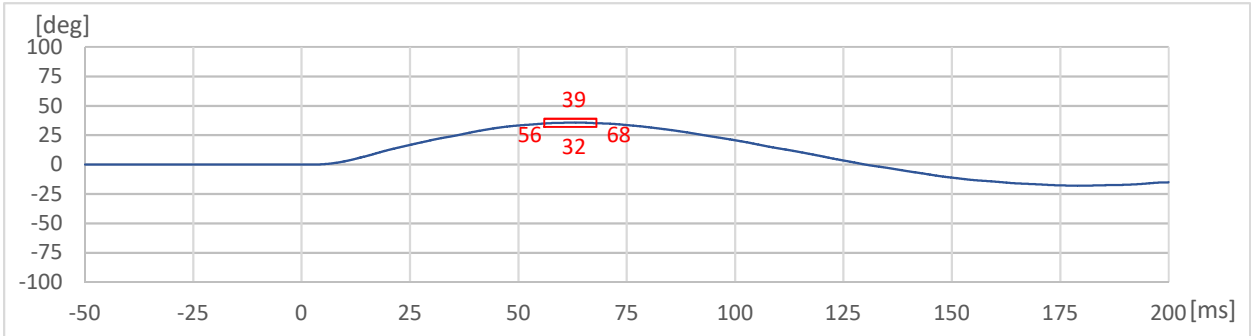
CALIBRATION DATA GRAPH

World SID 50th
Neck Pendulum (Left)

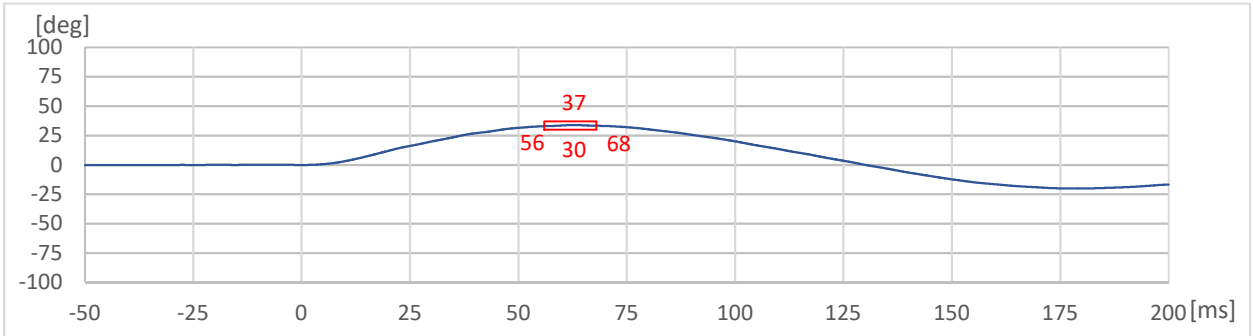
Angular Disp. (β) CFC 1000 Peak : 56.44 (62.40) Upeak : -30.58 (179.40)



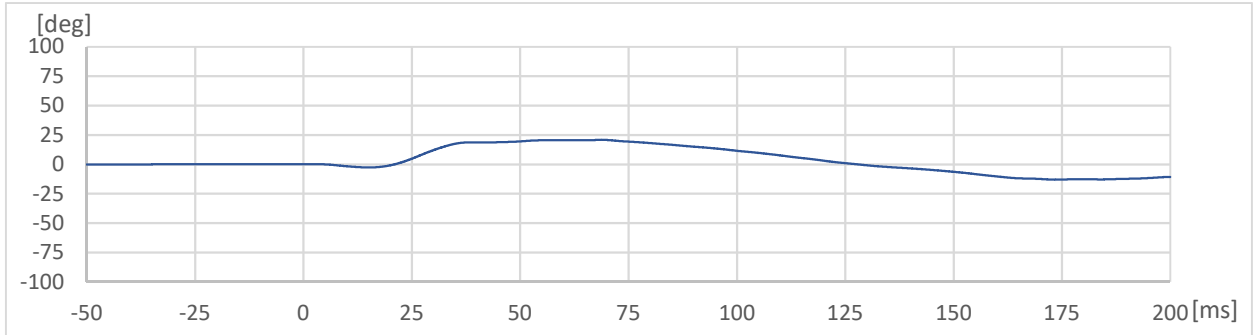
Angular Disp. (θf) CFC 1000 Peak : 35.83 (63.25) Upeak : -17.94 (179.25)



Angular Disp. (θr) CFC 1000 Peak : 33.93 (62.85) Upeak : -20.04 (179.15)



Angular Disp. (θh) CFC 1000 Peak : 20.83 (68.75) Upeak : -12.95 (173.45)





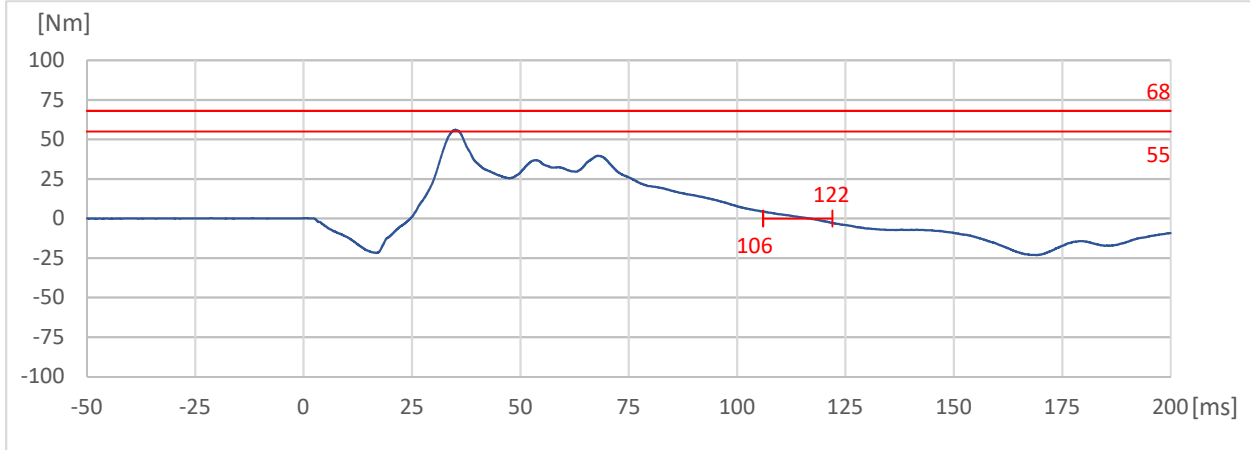
CALIBRATION DATA GRAPH

World SID 50th
Neck Pendulum (Left)

Moment at O.C.

Peak : 56.05 (35.00)

Upeak : -23.12 (169.10)

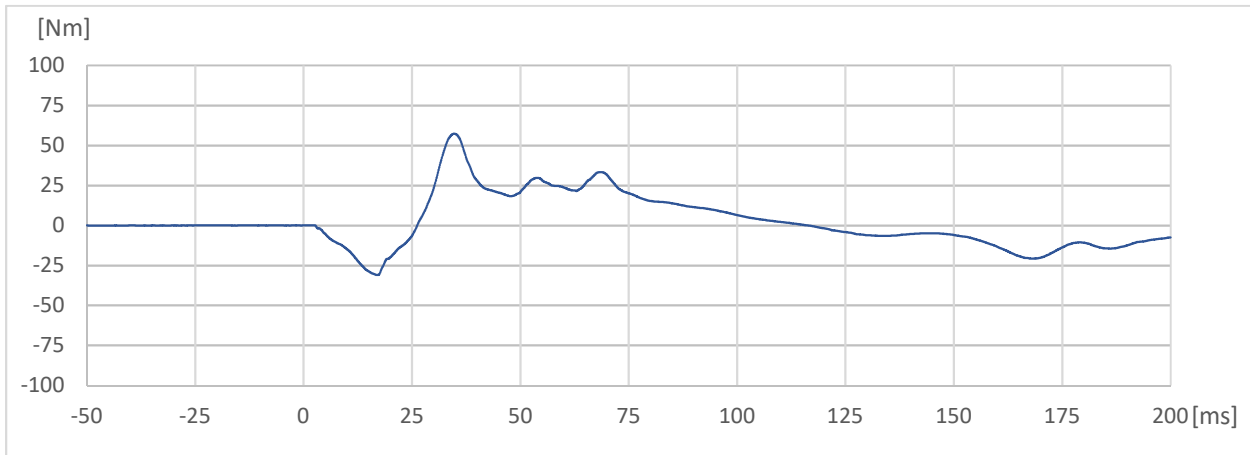


Moment Mx

CFC 600

Peak : 57.41 (34.75)

Upeak : -30.98 (17.05)

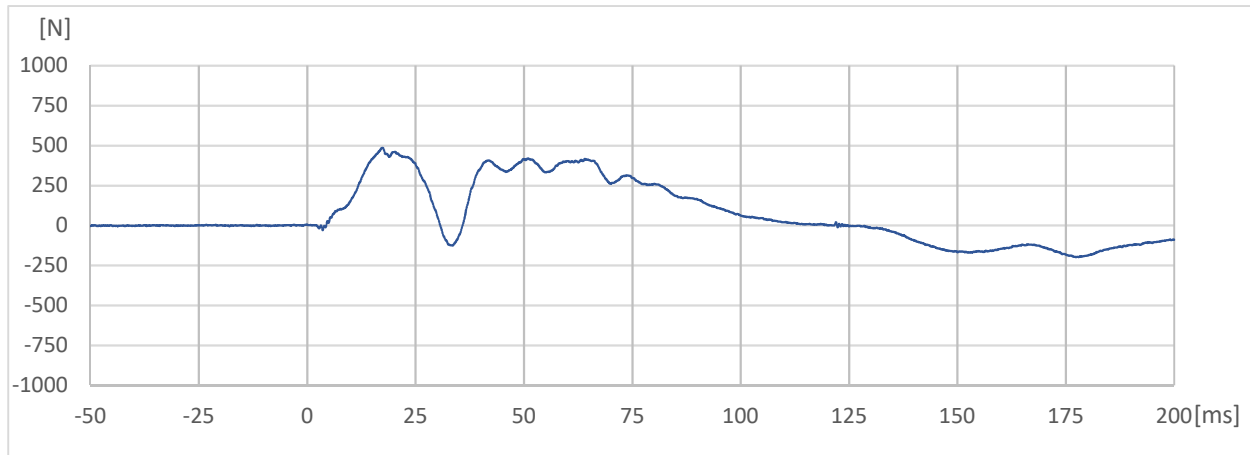


Force Fy

CFC 1000

Peak : 485.97 (17.40)

Upeak : -197.35 (177.35)



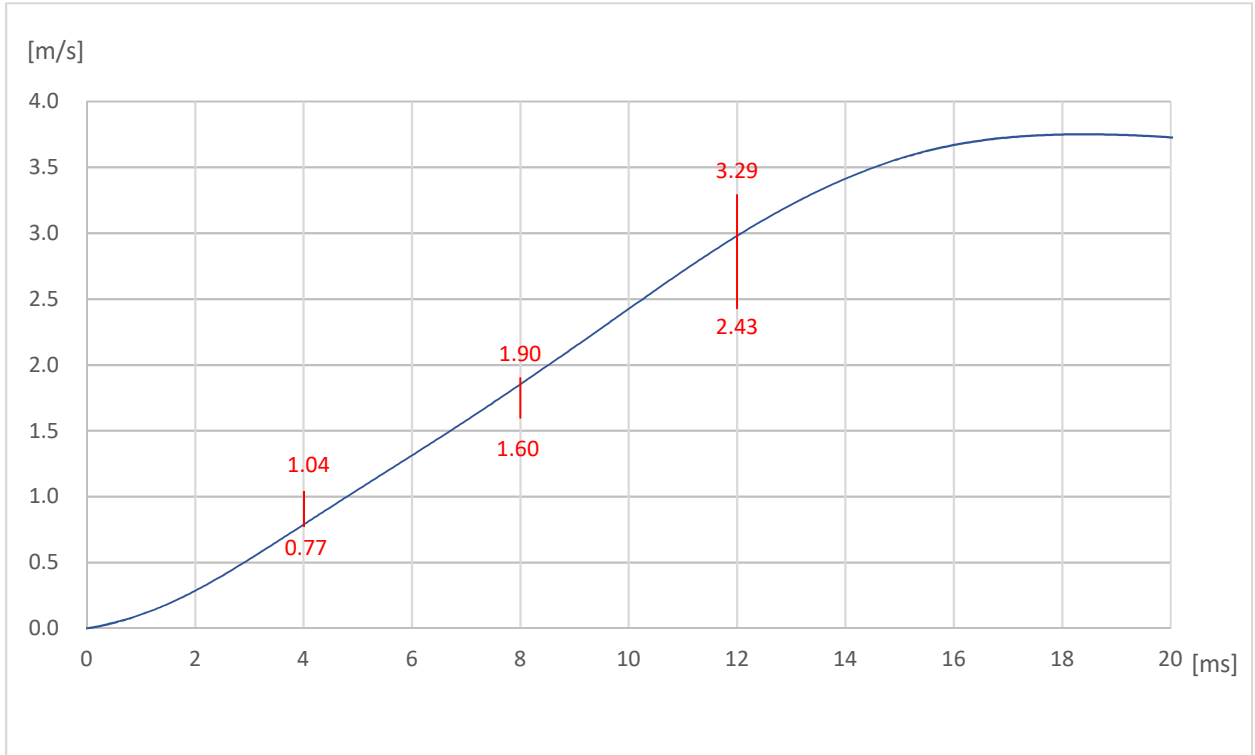


CALIBRATION DATA GRAPH

World SID 50th
Neck Pendulum (Left)

Velocity Change

CFC 60



Velocity

nun

3.39 (m/s)

