

Summary of testresults S17030902

ISO7176-19 paragraph	Customer: MR Consultancy BVBA Testdate: 20-1-2017			
5.2	DYNAMIC test – Acceleration Sled			
	Type	X10, Rear wheel drive		
	ATD used	HIII-95 th (100kg)		
	Position seat	horizontal		
	Impact	Frontal		
	Orientation	Forward facing		
	Anchorage used	Straps of the test institute		
	Impact speed (delta v)	50.8	km/h	
			Limits	
4.2.1.b	Pelvis belt angle [°]:			
	Left:	40.2	30° - 75° towards horz.	pass
	Right:	39.2	30° - 75° towards horz.	pass
4.2.2d	Shoulder belt angle [°]:	51.2	55°	pass
5.2.1.b	ATD knee/Point P	6.2	≥ 1.1	pass
5.2.1.c	Horz. Excursion limits [mm]:			
	Point P:	37	200mm	pass
	ATD knee:	230	375mm	pass
	Front head:	207	650mm	pass
	Rear head:	-124	-450mm	pass
5.2.2.a	Torso angle after [°]:	32° from vertical	<45° from vertical	pass
5.2.2.i	H-point ATD [mm]:			
	Before vert:	590		
	After vert:	565		
	Difference [%]:	4.2	≤ 20 %	pass
	Remarks:			
5.2.2.b	The wheelchair securement points shall not show visible signs of material failure.			pass
5.2.2.c	Rigid components, fragments or accessories of the wheelchair with a mass in excess of 100 g shall not be completely separated from the wheelchair.			pass

5.2.2.d	Wheelchair components that may contact the occupant shall not fragment or separate in a manner that produces sharp edges, defined by as having a radius of less than 2 mm.		pass
5.2.2.e	Primary load-carrying components of the wheelchair shall not show visible signs of failure, unless there is a backup system to provide support.		pass
5.2.2.f	Locking mechanisms of tilting seating adjusters shall not show signs of failure.		pass
5.2.2.g	Removal of the ATD from the wheelchair shall not require the use of tools, other than a hoist to lift theATD.		pass
5.2.2.h	Release of the wheelchair from the tiedown system shall not require the use of tools.		pass
5.2.2.j	The wheelchair and its components shall not cause partial or complete failure of the webbing of any of the WTORS assemblies during the test.		pass

Comment	
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