

Materials List for:

Modified Drop Tower Impact Tests for American Football Helmets

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Materials

Name	Company	Catalog Number	Comments
PCB Triaxial Accelerometers	PCB	Model 353B17	
TDAS2 Data Acquisition System	Diversified Technical Systems, Inc.	TDAS2	Or an equivalent Data Acquisition System
Current Source (Amplifier)	Dytran Instruments, Inc.	4114B1	Or equivalent
Velocity gate and flag	CADEX	SB203	Or an equivalent velocimeter
Selected Football Helmet(s)/ faceguard assem.		including chinstrap and faceguard hardware	
Height Gauge			
Torque wrench	Snap-on	QD21000	range to 200 in/lb minimum, 5% accuracy
Twin-wire Guide Assembly			
Drop Carriage	SIRC	1001	
1/2" MEP Testing Pad	SIRC	1006	
1/8" Faceguard Testing Pad	SIRC	1007	
3" MEP Calibration Pad	SIRC	1005	Including Annual NOCSAE Calibration Pad Qualification Report
3/8" Hook-eye Turnbuckle	SIRC	1043	Forged Steel with a 6" take-up
1/8" Wire Rope Thimble	SIRC	1044	
1/8" Spring Music Wire	SIRC	1045	
1/8" Wire Rope, Tiller Rope Clamp, Bronze	SIRC	1046	
3/8" 16 x 3" Eye Bolt	SIRC	1041	
3/8" Forged Eye Bolt	SIRC	1040	
Right Angle DC Hoist Motor	SIRC	2000	
Single Groove Sheave (Pulley), 3 3/4"	SIRC	2002	
Top Mount Plate	SIRC	2003	
18" Top Channel Bracket	SIRC	2004	
Wall Mount Channel Bracket, 4' x 1 5/8"	SIRC	2005	
Mechanical Release System	SIRC	2006	
Lift Cable, Wire Rope, 20' Coil	SIRC	2007	
Anvil Base Plate	SIRC	2010	
Anvil	SIRC	2011	

Headform Adjuster	SIRC	2012	
Headform Rotator Stem	SIRC	2013	
Headform Threaded Lock ring	SIRC	2016	
Headform Collar	SIRC	2014	
Nylon Bushing	SIRC	1803	
Small Headform	SIRC	1100	
Medium Headform	SIRC	1101	
Large Headform	SIRC	1102	
Taper-Loc Bolt			
DC Motor Speed Controller (Reversible)	SIRC	2001	