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List of Papers, Articles and Reports held –

Section 24: Accelerations in the leisure industries

No.	AUTHOR	TITLE	Y ^R	SHELF-MARK
1	Jackson and Ward	Analysis of acceleration data for containment on fairground rides	1997	41
2	Kingsley	The swami belt: a deadly tie-in?	1975	41
3	Various	German alpine club report 1974-79	1979	23
4	Yeadon	Biomechanics of the human in flight	1997	41
5	Ball	Playgrounds – risks, benefits and choices [HSE CRR 426/2002]	2002	41
6	Microys	Climbing ropes	1977	41
7	Jackson et al	Establishing criteria for safe g-force levels for passenger carrying amusement rides [HSL/2002/07]	2002	41
8	Yao et al	The effect of people jumping on a flexible structure		41

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List of Papers, Articles and Reports held –

Section 25: Anthropometrics

No.	AUTHOR	TITLE	Y ^R	SHELF-MARK
1	Diffrient et al	Humanscale 1/2/3	1983	41
2	Bolton et al	An anthropometric survey of 2000 RAF aircrew 1970/71 [AGARDograph No 181 AGARD-AG-181, from RAF IAM and RAe report]	1974	48
3	Snow and Hasbrook	The angle of shoulder slope in normal males as a factor in shoulder harness design [FAA Report No AM 65-14]	1965	41
4	Pheasant	Bodyspace	1996	51
5	Haines et al	Revision of body size criteria in standards – protecting people who work at height [HSE Research report No 342]	2005	59
6	Damon, Stoudt & McFarland	The human body in equipment design	1966	61
7	Hsiao et al	Evaluation of fall arrest harness sizing schemes	2007	41

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List of Papers, Articles and Reports held –

Section 33: Anthropomorphic Test Dummies

No.	AUTHOR	TITLE	Y ^R	SHELF-MARK
1	ASTC	FAA Hybrid III Users Manual v1.0	1999	74
2	RSSB	Hybrid III Rail Dummy Specification		74
3	Flight Magazine	Synthetic Parachutist	1952	74
4	Rhule, Rhule and Donnelly	The Process of Evaluation and Documentation of Crash Test Dummies for Part 572 of the Code of Federal Regulations - paper No 05-0284	2005 ?	74
5	Wiley	The World's Best Dummy	2009	74
6	FTSS	General purpose dummy (Ogle)	2009	74
7	FTSS	Hybrid III Catalogue	2005	74
8	Hilton	It's Smart to Use a Dummy	1971	75
9	Herbst, Forrest and Chang	Fidelity of ATD Necks in Rollover Accidents	1998	74
10	49CFR pt 572	ATDs		74
11	Warner	The Development of UK Standard Occupant Protection Assessment Test Dummy (OPAT) - SAE 740115	1974	74
12	Haslegrave	Dummies for Crash Testing Motor Cars	1974	74
13	Hubbard	Anthropometric Basis of the GM ATD 502 Crash Test Dummy - SAE 750429	1975	74
14	eds Backaitis and Mertz	Hybrid III: The First Human-Like Crash Test Dummy - SAE PT44	1994	76
15	SAE	User's Manual for the 50th Percentile Male Hybrid III Test Dummy - SAE Engineering Aid 23	1998	74

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List of Papers, Articles and Reports held –

Section 20: Aircraft ejection, aviation medicine, aircraft arresters and pick-ups

No.	AUTHOR	TITLE	Y ^R	SHELF-MARK
1	Beeding & Mosely	Human deceleration tests	1960	28
2	Bierman & Larsen	Distribution of impact forces on the human through restraining devices	1946	28
3	Aatsalo et al	Finnish air force seat-mounted aircrew restraint harness	1995	28
4	Schultz et al	Measurement of whole-body human centre of gravity and moments of inertia	1996	28
5	Stapp	Review of air force research on biodynamics of collision injury	1966	28
6		Ejection seats		28
7	Stapp	Human exposures to linear deceleration: Part 2 - the forward facing position and the development of a crash harness WADC technical report No 5915	1951	19
8	Fuller et al	Evaluation of wire alloys for aircraft carrier arresting gear deck pendants	1980	28
9		Robert Fulton's skyhook and Operation Coldfeet		28
10	Meos	Ejection without parachutes	1963	28
11	Swearingen et al	Human voluntary tolerance to vertical impact	1960	28
12	Von Gierke & Brinkley	Impact accelerations	1975	28
13	Reader	A new safety harness for mobile aircrew	1979	28
14	Brinkley	Development of aerospace escape systems	1968	28
15	Various	German Aviation Medicine World War II Vol1	1950	25
16	Various	German Aviation Medicine World War II Vol2	1950	26
17	Various	Bioastronautics Data Book (1964 edn held as microfiche and 1973 edn held as book)	1964 & 1973	60

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List of Papers, Articles and Reports held –

Section 20: Aircraft ejection, aviation medicine, aircraft arresters and pick-ups

No.	AUTHOR	TITLE	Y ^R	SHELF-MARK
18	Glaister	Human tolerance to impact acceleration	1978	28
19	Anton	The incidence of spinal fracture on RAF ejections 1968-1983 [IAM AEG Report No 529]	1986	28
20	RAFIAM	Selected pages from library index		29
21	Harrison and Gibson	The history of the IAM: acceleration research since 1945 [IAM Report No 618]	1982	29
22	Glaister et al	Impact forces measured during the launch of a gravity escape system 33 [Divisional Record No 48]	1991	28
23	Eiband	Human tolerance to rapid applied acceleration – a summary of the literature	1959	29
24	Various	Fundamentals of aerospace medicine	1985	42
25	Air Ministry	AP 1182 B Vol 1&6 - Safety harness	1944	43
26	Vulcan et al	Effects of bending on the vertebral column during +Gz acceleration	1970	28
27	Weis and Mohr	Cineradiographic analysis of human visceral responses to short duration impact	1967	28
28	NATO	Anthropomorphic dummies for crash and escape system testing [AGARD-AR-330]	1996	29
29	Coltman et al	Aircraft Crash Survival Design Guide Vol II [TR 89-D-22B]	1989	29
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List of Papers, Articles and Reports held –

Section 27: Parachute technology

No.	AUTHOR	TITLE	Y ^R	SHELF-MARK
1	Various	Parachutes and related technologies	1971	54
2		Determination of the rates of descent of a falling man and of a parachute test weight Air corps technical report No 2916	1928	54
3	Irvin	Parachute patent No 1323984	1919	54
4	Hallel & Naggan	Parachuting injuries: a retrospective study of 83718 jumps	1975	54
5	Beeton, Reader et al	A personal torso parachute harness and a modified restraint harness for the Mk9 ejection seat. FPRC/memo 244 [IAM report No 444].	1968	54
6	U.S. Dept of Defense	Military Testing Standard MIL-STD 858 for Personnel Parachutes	1969	54
7	Reid et al	Acceleration and opening shock forces during free-fall parachuting: physiological studies of military parachutes via FM/FM telemetry - III	1971	54
8	Ernsting	10g deceleration drop tests of subjects wearing the Phantom AEAS [IAM Phantom AEA Report No 8]	1967	54
9	Reader	Measurement of loads on combined life saving waistcoat and torso harness closure plate during simulated man-seat separation and parachute deployment [IAM Phantom AEA Report No 10]	1967	54
10	Norris and Lamont-Smith	Preliminary investigation into the hanging characteristics of the Lightning Mk3 AEA when suspended in a combined harness assembly of a martin Baker Mk 4 BSC seat [IAM Technical Memo No 255]	1965	54
11	Reader	An assessment of a lightweight constant wear harness to replace the D Mk 1 harness [IAM Report No 461]	1969	54
12	Lemon	Evaluation of Koch releases during dragging through water [IAM Phantom AEA Test Report No 2]	1966	54
13	Reader	The load distribution in an ejection seat combined harness under simulated parachute canopy inflation [IAM AEG Report No 153]	1970	54

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List of Papers, Articles and Reports held –

Section 27: Parachute technology

No.	AUTHOR	TITLE	Y ^R	SHELF-MARK
14	Teyssandier	Traumatic lesions of the spine in parachutists	1967	54
15	Teyssandier and Delahaye	Fractures of the spine among parachutists	1967	54
16	Lucas	The big umbrella – the history of the parachute from Da Vinci to Apollo	1973	44
17	O'Hara	Notes on the opening behaviour and the opening forces of parachutes	1949	54
18	Berndt and de Weese	The opening force of solid cloth, personnel type parachutes	1970	54
19	McAndrew	The Roswell Report - Case Closed	1997	73
20	Madson	High altitude balloon dummy drops – Part 1. The unstabilized dummy drops	1957	54
21	Dawson	Officials Test Improved Parachute System – T11	2007	54
22	Gowdy and De Weese	Evaluation of improved restraint systems for sport paracutists report DOT/FAA/AM-98/11	1998	54
23	Brinkley et al	Investigation of the effects of restraint design variations on human responses to impact	1979	54

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List of Papers, Articles and Reports held –

Section 15: Fall protection analysis

No.	AUTHOR	TITLE	Y ^R	SHELF-MARK
1	Sulowski	Ontario Hydro fall protection seminar	?	17
2	Sulowski	Formula for maximum arrest force in fall arresting systems	1980	17
3	Ulysse & Sulowski	Dynamic load test conversion factor defined for various types of test mass Articulated manikin or human body versus rigid weight conversion factor in testing of fall arresting equipment	1982	17 & 21 p205
4	Pavier	Derivation of a rope behaviour model for the analysis of forces developed during a rock climbing leader fall	1996	17
5	Wang	Free-fall restraint systems	1977	17
6	Axelsson	Accident prevention in the construction industry part 1	1991	17
7	Axelsson	Accident prevention in the construction industry part 2	1991	17
8	de Haven	Mechanical analysis of survival in falls from heights of 50 to 150 feet	1942	17
9	Paureau	Theoretical analysis and experimental results concerning the reliability of a number of retractable webbing based fall arresters	1998	17
10	James	The assessment and control of risks to safety from falls through fragile roofing materials	1998	17
11	Axelsson	Prevention of falls from a height in the construction industry	1998	17
12	Savic	Model for estimation of risk injury at altitude works	1998	17
13	Branislav and Miroljub	Expert estimation work conditions	1998	17
14	Amphoux	Exposure of human body in falling accidents	1983	17
15	Amphoux	Physiopathological aspects of personal equipment for protection against falls	1982	21 p33
16	Gryfe	Anatomical and physiological considerations in design criteria for body support devices and shock absorbers for women		21 p49

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List of Papers, Articles and Reports held –

Section 15: Fall protection analysis

No.	AUTHOR	TITLE	Y ^R	SHELF-MARK
17	Snyder et al	Study of impact tolerance through free fall investigations (selected abstracts)	1977	21 p49
18	Hearon & Brinkley	Fall arrest and post-fall suspension: literature review and directions for further research	1984	21 p123 & 17
19	Gryfe	Causes and prevention of falling		21 p155
20	Sulowski	Assessment of maximum arrest force in fall arresting systems	1982	21 p165
21	Arteau	CSA standards for fall protection: 1998 review	1998	17
22	Sulowski	Residual risks in fall arresting systems	1988	21 p321
23	Noel	Study of pendular motion and its importance for vertical and horizontal clearances	1982	21 p345
24	Arteau & Giguere	Proposed method to test harness for strength and human factors criteria	1988	21 p363
25	Turner	A fall from a cliff 350 feet high without fatal injuries	1919	17
26	Snyder et al	Study of impact tolerance through free fall investigations (full study)	1977	18
27	Sulowski	Anthropometric manikin versus rigid weight conversion factor in testing of fall arresters	1978	17
28	Chaffin & Stobbe	Ergonomic considerations related to selected fall prevention aspects of scaffolds and ladders as presented in OSHA standard 29 CFR 1910 subpart D	1979	30
29	Stapleton	Safety belts and harnesses – search/compilation of papers	1980	17
30				
31	Riches	Analysis and evaluation of different types of test surrogate employed in the dynamic performance testing of fall arrest equipment HSE CRR 411/2002	2002	14

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List of Papers, Articles and Reports held –

Section 15: Fall protection analysis

No.	AUTHOR	TITLE	Y ^R	SHELF-MARK
32	Pauls	Are functional handrails within our reach and our grasp?	1989	17
33	Chaffin et al	An ergonomic basis for recommendations pertaining to specific sections of OSHA standard 29 CFR 1910 subpart D – walking and working surfaces	1978	30
35	Crawford	Survivable impact forces on human body constrained by full body harness HSL/2003/09	2003	17
36	Sulowski	Research in fall protection at Ontario Hydro	1983	17
37	Sulowski	Assessment of maximum arrest force	1981	17
38	Blake et al	ASSE research project on safety belts, harnesses and accessories	1952	17
39	Amphoux	Physiological constraints and design of personal fall protection equipment (translation of Les contraintes physiologiques et la conception des equipments individuels de protection contre les chutes)	1982	17
40	Noel	Evolution and limit of use of PPE according to the research done on the different components (translation of Evolution et limite d'emploi du materiel de protection individuelle en fonction des recherches effectuees sur les differents composants)	1982	17
41	Archer	Personal fall protection equipment (translation of Les equipments individuels de protection contre les chutes)	1982	17
42	Amphoux et al	Effects of safety belts or thoracic straps on the human body when a fall is arrested (translation of Effets sur l'homme des ceintures de securite ou sangles thoraciques au moment de l'arret des chutes)	1972	17
43	Pavy et al	Difficulties associated with personal protection against falls from height (translation of Difficultes de la protection individuelle contre les chutes avec denivellation)	1979	17
44	Zupanc & Burgess	Issues related to the wearing of harnesses in the construction industry	2003	17

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List of Papers, Articles and Reports held –

Section 31: Anchors

No.	AUTHOR	TITLE	Y ^R	SHELF-MARK
1	Marsh	Comparison of safety line loadings imposed by 50th percentile anthropometric dummy and by a solid body of equivalent mass NEL report No. Z2/SOL/1/DST	1977	64
2	Slimak	Experimental determination of horizontal force in eyebolts subjected to static vertical loads	1977	64
3	Borwick & Thomson	Report for BSI Committee PSS/5/1 on the relationship between vertically applied loading on safety anchorages and horizontal resistance from brick wall fixing	1978	64
4	Purcell	Testing of permanent anchorages for industrial safety belts BSI PSS/5/1 Committee ref 76/64131	1976	64
5	Caton	Tests on manually expanded anchorages BSI PSM/5/1 Committee ref 75/62696	1975	64
6	Marsh	Tests on safety anchorages for BSI Committee PSM/5/1 NEL report No. Z2/BSI/1/MS	1974	64
7	Crawford	Parameters fro a drop-test to give 10 kN impact force BSI PSS/5/1 Committee ref 79/61284	1979	64
8	Caton	Tests on chemical anchors arranged by Mr Murphy BSI PSM/5/1 Committee ref 74/61861	1974	64
9	Caton	Tests on anchorages carried out by New Century Ltd BSI PSM/5/1 Committee ref 73/62112	1973	64

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List of Papers, Articles and Reports held –

Section 16: Fall protection – description, selection and use

No.	AUTHOR	TITLE	Y ^R	SHELFM ^K
1	Martin	Selection and use of fall protection and rescue equipment for work on towers	1993	16
2	Stice	The OSHA fall protection standard	1997	16
3	Estabilio	Don't gamble with personal fall arrest equipment	1997	16
4	National safety council	Fixed ladders and climbing devices	1983	16
5	Sulowski	State of the art in fall protection for transmission and distribution in electric utility work	1998	16
6	Firl & Wolner	Personal fall arrest systems: servicing, maintenance and inspection from the manufacturer's perspective	1998	16
7	Martin	Methodology to analyse workplace geometry to select optimal fall protection systems	1998	16
8	Amphoux	Formation necessaire avante toute utilisation d'equipement de protection contre les chutes (in French)	1998	16
9	Deutsche Telekom	Asir – verhutung von absturzunfallen (in German)	1998	16
10	Straatsma	Sicherheitsvorkehrungen beim anstreichen von Stahlgittermasten (in Dutch)	1998	16
11	Sulowski	Fall protection systems - classification	1984	21, p285
12	Sulowski	Fall arresting systems – selection of equipment	1989	21, p303
13	Shand	The design of modern safety belts and their uses	1960	16
14	CSAO	Safety belts, harnesses, lanyards, lifelines	1983	16
15	Marshall	Excerpts from: Safety Engineering	1982	16
16	United States Army	Safety Requirements	1946	16
17	BT	Engineering safety guide 8	C1990	16
18	Hamilton	Descent of man	C1986	16
19	Cuny	Antichute á rail ou á câble?	2004	16

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Section 11: Fall protection equipment evaluation

No.	AUTHOR	TITLE	Y ^R	SHELF-MARK
1	Sulowski	Evaluation of FAS: report No 78-98-H	1978	11
2	Steinburg	A study of personal fall-safety equipment: report No. NBSIR 76-1146	1977	12
3	Various	Optimisation of intercepting devices - Biomechanical stress limits of humans	1991	13
4	Clark	Fall arrestors - a new approach to dynamic performance testing	1985	11
5	Fairbairn	Drop tests simulating possible falls by linesmen wearing pole belts and webbing strength tests: NEL report No. 226/92	1993	11
6	Fairbairn	Proving tests on industrial safety belts, harnesses and safety lanyards to BS 1397:1979: NEL report No. BRAN/02	1980	11
7	Marsh	Evaluation of industrial safety belts and harnesses for the Electricity Council: NEL report No.Z2/ELL/1 /GRB	1974	11
8	Reader	An assessment of industrial safety harnesses: RAF Institute of Aviation Medicine FPRC memo 11 246 [IAM Report No 448 of Aug 1968].	1969	11
9	Symmons	Rope grabbing devices - a test program conducted for the Construction Safety Association of Ontario	1973	14
10	Crawford et al	An investigation of tree climbing harnesses and climbing techniques – HSE Contract Research Report No. 22/1990	1990	14
11	Crawford	Energy absorbers for tree surgeons - an investigation of fall distances for tree climbers equipped with sit harness or with full harness: HSE Contract Research Report No. 85/1996	1996	14
12	Rushworth et al	Study of ergonomic principles in accident prevention for bunkers: Institute of Occupational Medicine report No. TM/86/5	1986	15
13	Kloss	Biomechanical loads pertaining to personal fall arrest protection	1998	11
14	Saiz and Schories	Testing of safety nets in the construction sector under particular consideration of the ageing of safety nets in German and Spain	1998	11

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Section 11: Fall protection equipment evaluation

No.	AUTHOR	TITLE	Y ^R	SHELF-MARK
15	Rodin & Lyaptsev	Dynamical analysis of safety belt impulse loading	1998	11
16	Sulowski	Full body harness versus safety belt in fall Arresting systems	1979	11
17	Noel et al	Influence of shock absorbing devices on g-forces and on pendular distances during fall arrest	1978	21 p25
18	Crawford	Who's afraid of fall factor two	1988	21 p391
19	Rushworth & Mason	Aids to selecting fall-arrest harnesses: the ergonomic considerations (see also No.12)	1987	11
20	Dickie	Current research on safety belts, lanyards and lifelines CSAO Research publication No 30	1975	14
21	U.S. Dept of Defense	Military Standard MIL-H-24460A(SH) Harness, Safety; and lanyards, Safety and Working	1981	11
22	Ulysse et al	Equipments individuels de protection contre les dutes de hauteur (equipment for personal protection against falls from a height – test report – criteria for choice – recommendations for use)	1978	11
23	Long et al	Industrial rope access – investigation into items of PPE [HSE CRR 364/2001}	2001	24
24	Crawford	Fall protection in the UK – legislation, standardisation and practice	1983	11
25	Leckie	Report on a test programme on safety harnesses and belts as applied to steel erection and associated trades for the BCSA: NEL report No. BCSA/01	1987	11
26	Leckie	Report on drop tests on experimental girder grips for Barrow Hepburn Equipment Ltd NEL report No. 438/87	1988	11
27	Mauthner & Mauthner	Gripping ability on rope in motion	1994	11
28	Nevo, Wainohu & Brito	Analysis of safety harness attachment points [Crashlab RTA special report SR2002/010]	2002	45

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List of Papers, Articles and Reports held –

Section 11: Fall protection equipment evaluation

No.	AUTHOR	TITLE	Y ^R	SHELF-MARK
29	Electricity Association	Performance criteria for fall prevention/fall arrest devices for use on poles whilst ascending/descending [Technical specification 43-123]	1999	11
30	Statham et al	Karabiner safety in the arboriculture industry [HSL2003/18]	2004	11
32	Riches	Preliminary investigation into the fall-arresting effectiveness of ladder safety hoops [HSE research report 258]	2004	14
33	Lane	Determination of rope access and work positioning techniques in arboriculture	2004	27
34	INRS	Equipments individuels de protection contre les chutes de hauteur (equipment for personal protection against falls from a height – test report ED 592)	1985 ?	27
35	Cameron et al	A technical guide to the selection and use of fall prevention and arrest equipment [HSE research report 302]	2005	63
36	Kloss	Dynamic performance tests on energy absorbers for ISO/TC94/SC4 [document N195]	1995	27
37	Bautz	Drop tests with fall arrest harnesses – ISO and CEN comparison [document ISO/TC94/SC4 N196]	1995	27
38	Bautz	Drop tests with fall arrest harnesses for ISO/TC94/SC4 with varying inclinations of the torso shoulders [document N 223]	1998	27
39	Paureau et al	Conditions necessaires de securite des dispositifs parachutes d'echafaudages volants (safety requirements for fall-arrest devices for suspended access equipment) [INRS]	1995	27
40	Paureau et al	Etude et essais de parachutes d'echafaudages volants mus a la main (fall-arrest devices for hand-operated suspended access equipment) [INRS CDU 69.057.6]	1993	27

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Section 11: Fall protection equipment evaluation

No.	AUTHOR	TITLE	Y ^R	SHELF-MARK
41	Riches et al	Investigation in to the fall-arresting effectiveness of ladder safety hoops, when used in conjunction with various fall-arrest systems [HSE RR 657] & [TUV-NEL report No 2007/29]	2007	70
42	Riches and Hunter	A review of retractable fall-arresters and their use in non-overhead and other applications not catered for by the test methods within BS EN 360 [TUV-NEL report No 2007/115]	2007	71
43	Borie et al	Series of tests on cow's tails used for progression on semi-static ropes	2006	27
44	Baszczyński and Jachowicz	The effect of the use of full body harnesses on their protective properties	2009	27
45	Holan & Beason	Rope Acess Equipment Testing: The back-up safety system	2002	27
46	Latchways	Technical Update – Fall protection for all ladder types	2007	27
47	NEL	NEL test results 20/21Jan 2004 WG1 N250	2004	27

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List of Papers, Articles and Reports held –

Section 18: Fall accidents

No.	AUTHOR	TITLE	Y ^R	SHELFM ^K
1	Bjornstig & Johnsson	Ladder injuries: mechanisms, injuries and consequences	1992	16
2	Gillen et al	Injury severity associated with nonfatal construction falls	1997	16
3	Gillen	Injuries from construction falls	1999	16
4	Norelius	Presentation of the situation in Sweden concerning the work environment in construction, concentrating on falls to a lower level	1998	16
5	Kahler & Shepherd	How and where is the damage occurring?	1998	16
6		Synthese des accidents (in French)	1998	16
7	Grant et al	Research programme into the need for dynamic testing of domestic ladders	1997	16
8	Schaffer	A survey of ladder accidents resulting in injuries (US Bureau of Labor Statistics)	1978	16
9	Cohen & Lin	A scenario analysis of ladder fall accidents	1991	16
10	ISFP	Papers, Orlando 1988, but containing two fall-out from belt cases	1988	16
11	Cloe and Breslin	Occupational fatalities related to roofs, ceilings and floors as found in reports of OSHA fatality/catastrophe investigations report No OSHA/RP-80/003	1979	49
12	Cohen, LaRue, Cohen	Stairway Falls – An ergonomics analysis of 80 cases	2009	16

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List of Papers, Articles and Reports held –

Section 17: Fall protection – HLL

No.	AUTHOR	TITLE	Y ^R	SHELFM ^K
1	Sulowski & Miura	Horizontal lifelines	1983	20
2	Dayawansa & Ralph	Tests on static line systems	1997	20
3	Arteau & Lan	Use of HLL in structural steel erection	1994	20
4	Corbeil et al	Static and dynamic testing of tubular sections in bending collapse: experimental method	1996	20
5	Dayawansa et al	Analysis and testing of a static line system	1989	20
6	Drabble & Brookfield	Numerical modelling of fall arrest systems	1998	20
7	Sulowski & Miura	Introduction to horizontal lifelines		21, p217
8	Frenette	Horizontal lifelines	1990	20
9	INRS	Safety Harnesses: 2- Note to determine safety cables Technical Note No 167	1979	20
10	Riches	Some design principles of horizontal fall protection systems	1997	20
11	Riches & Feathers	Research, Development and Testing of Multiple Span – Multiple Use Horizontal Lifelines from the Designer's Perspective	1998	20
12	Arteau & Lan	Use of HLL in structural steel erection	1992	20
13	Dayawansa & Ralph	Testing on static line systems – test results Report No. BHPR/SM/R/026	1996	50
14	Leckie	A report on a programme of drop tests on a HLL safety system "Sayfglida" [Dave Patterson model] NEL report No 83/88.	1988	20
15	Riches	A review of criteria concerning design, selection, installation, use maintenance and training aspects of temporarily installed horizontal lifelines [HSE research report 266]	2004	14
16	Paureau & Jacqmin	Lignes de vie [INRS ND 2091-173-98]	1998	20

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List of Papers, Articles and Reports held –

Section 23: Fall protection - interdisciplinary

No.	AUTHOR	TITLE	Y ^R	SHELF-MARK
1	James	The cost both in injuries and money of working at height	1998	72
2	Rohloff	Ergonomics and fall protection - understanding why people err in order to influence behavioural change	1998	72
3	Gerard	Questions interdisciplinaires (in French)	1997	72
4	Laitinen et al	The effects of safety competition in the construction industry	1998	72
5	Various	Chinese delegation of construction industry paper collection for international fall protection symposium 1998	1998	72
6		High risks and other problems	1998	72
7	Ellis	How the US legal system affects fall protection product design	1998	72
8	World Medical Association	Declaration of Helsinki – ethical principles for medical research involving human subjects	2004	72
9	Ulysse	Report of the CEN Technical Expert – work positioning systems [CEN/TC 160 N 168]	1992	72
10	Ulysse	Report of the CEN Technical Expert – PPE against falls from a height [CEN/TC 160 N 171]	1992	72
11	Frost & Sullivan	Report examines fall protection market	2005	72
12	Crawford	ISO and European standards for fall protection		72
13	Hunter	Review of UK fairgrounds - working at heights	2005	68
14	Feldstein	ANSI Z359 – revisions strengthen benchmark consensus standard	2007	72
15	Capital Safety	A new era for an old standard – a review of proposed changes to ANSI Z359.1	2007	72
16	Freshfields Bruckhaus Deringer	Coporate Manslaughter Act finally passed	2007	72
17	Jervis	Fall arrest; then, now and tomorrow	2008	72
18	Thomas	Personal equipment for protection against falls - fundamental principles	2007	72

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List of Papers, Articles and Reports held –

Section 30: Ladders

No.	AUTHOR	TITLE	Y ^R	SHELF-MARK
1	Hammer & Schmalz	Human behaviour when climbing ladders with varying inclinations	1992	64
2	Bloswick & Chaffin	An ergonomic analysis of the ladder climbing activity	1990	64
3	Bloswick	Climbing biomechanics	1999	64
4	Bloswick & Chaffin	Ladder climbing: a dynamic biomechanical model and ergonomic analysis	1987	64
5	Gray	Human factors issues in vertical ladder climbing [HSL report ERG/02/08]	2002	64
6	Dewar	Body movements in climbing a ladder	1977	64
7	Stewart	Accident prevention	2004	64
8	Barnett and Poczynok	Ladder rung versus siderail hand grip strategies (Triodyne)	2000	64
9	Barnett and Ferrone	Ladder cages (Triodyne)	2004	64
10	Merchant	Don't jump through hoops	2008	64
11	Picard	Accident report C3 S 02 04 – a man collapsed while trying to access his crane cabin	2004	64
12	Picart	Check your ladder for risks (Evaluez votre echelle des risques)	2000	64
13		Enquete grue a echelle inclinee ou verticale		64
14		Tireless device		64
15	Chamoux et al	Mesure par la frequence cardiaque de la charge mecanique equivalente a la montee et a la descente d'un escalier	1990	64
16		Tireless presentation		64
17	Zaror	Caged ladder: a safety device?	2012	64
18	Young	Biomechanics of handhold coupling and factors affecting capacity to hang on	2011	64

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List of Papers, Articles and Reports held –

Section 13: Materials

No.	AUTHOR	TITLE	Y ^R	SHELF-MARK
1	Stevens	Ply-tear webbing as an energy absorber Royal Aircraft Establishment Technical Report TR 68164	1968	72
2	Longrigg	Tests on ply-tear webbing Royal Aircraft Establishment Technical Report TR 69012	1969	72
3	Drabble	Tear ply shock absorber analysis		72
4	Maillocheau	Kevlar webbing for PPE CEN/TC 160 N607	1999	72
5	Smith	Rope review	1980	72
6	Kipp	Practical strength of kernmantel ropes	1979	72
7	Becker	Ropes in fall protection systems		21 p357
8	Becker	End fittings for 3-strand wire rope	1994	72
9	McLaren	Design and performance of ropes for climbing and sailing	2006	72
10	Robinson	Assesment of the effects of different types of abrasion on the tensile strength of safety harness and lanyard webbings HSL/2007/12	2007	72

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Section 28: Retractable arresters and edges

No.	AUTHOR	TITLE	Y ^R	SHELF-MARK
1	Queensland Government	Fall arrest drop over a Z purlin edge	2002	64
2	NEL	Report on tests to DIN 23326 – self-locking safety anchorages - a Barrow Hepburn Sala block [Salamatic] in conjunction with a Protecta harness complying with DIN 7478 NEL report No. Clog/06	1984	64
3	Lyne	Colt Ventilators test report No TN/NV/136	1977	64
4	Kloss	Loading capacity of lifelines of retractable fall-arresters at sharp edges BIA Handbook 24 Part 1/95	1995	64
5	Ottersbach	Drop tests with PPE to prevent falls in a horizontal arrangement BIA test report No. 200121829	2001	64
6	Schaper	Fall arrest equipment when used in a horizontal arrangement PowerPoint presentation	2003	64
7	NEL	Report on experimental tests to ANSI Z359.1 on SB 57 Barrow Hepburn Sala device NEL report No. 4/93	1993	64
8	NEL	Report on experimental tests to ANSI Z359.1 on SB 150 Barrow Hepburn Sala device NEL report No. 3/93	1993	64
9	NEL	Report on experimental tests to ANSI Z359.1 on DBS 6 Barrow Hepburn Sala device NEL report No. 5/93	1993	64
10	PERA	Examination of the Sala block type SM 2020 PERA report No. 21 2673	1985	64
11	Henkel	Sharp edge testing of mountaineering ropes	2002	64
12	Contri, Secchi	Snapping of ropes	2002	64
13	Zanantoni	Sharp-edge testing: status and prospects	2002	64
14	Baszczyński	Test method for retractable type fall arresters designed for horizontal use	2003	64

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List of Papers, Articles and Reports held –

Section 12: Suspension tolerance

No.	AUTHOR	TITLE	Y ^R	SHELF-MARK
1	Weber & Michels-Brundel	Physiological limits of suspension in harness	1982	40
2	Amphoux	Hanging after a fall - an extremely urgent response	1998	40
3	Madsen et al	Tolerance to head-up tilt and suspension with elevated legs	1998	40
4	Orzech, Brinkley et al	Test program to evaluate human response to prolonged motionless suspension in 3 types of fall protection harnesses AAMRL-TR87-055	1987	40
5	Weber & Michels-Brundel	Physiological stresses during suspension in safety harnesses	1991	40
6	Bariod & They	Medical implications of dangling from a safety harness	1997	40
7	Various	2nd international conference of mountain-rescue doctors: the fall into the rope (not fully translated)	1972	40
8	Noel et al	Tolerance to individual fall protection systems during prolonged suspension	1978	21 p1
9	Brinkley	Experimental studies of fall protection equipment	1988	21 p139
10	Nelson	Climbing harnesses: how long can you safely hang in your harness?	1979	40
11	Damisch & Schauer	How safe are safety harnesses?	1985	40
12	Seddon	Harness suspension: review and evaluation of existing information HSE CRR 451/2002	2002	40
13	Turner et al	Suspension tolerance in a full body safety harness and a prototype accessory	2008	40
14	Adisesh, Robinson, Codling, Harris-Roberts	Evidence-based review of the current guidance on first aid measures for suspension trauma	2009	40
15	HSE	First aid management for harness suspension when working at height	2008	40

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List of Papers, Articles and Reports held –

Section 19: Car crash simulation and analysis

No.	AUTHOR	TITLE	Y ^R	SHELF-MARK
1	King	Progress of research on impact biomechanics	1993	22
2	Severy et al	Controlled automobile rear-end collisions, and investigation of related engineering and medical phenomena	1955	22
3	Pearlman & Viano	Automobile crash simulation with the first pregnant crash test dummy	1996	22
4	PERA	Vehicle impact biomechanics search	1991	22
5	King Foster et al	Hybrid III - a biomechanically based crash test dummy		22
6	Various	Mathematical modelling biodynamic response to impact SP-412	1976	22
7	Armstrong and Waters	Testing programs and research on restraint systems	1969	22
8	Edwards & Neale	The effectiveness of lap straps as seat restraints on tractors in the event of overturning	2000	22
9	HSE	Impact biomechanics search	2001	22
10	Various	Human impact response – measurement and simulation (book and photocopy)	1973	52
11	Ministry of Technology	Annotated bibliography of safety belts and harness papers 1958-1965	1966	22
12	Neale et al	Seatbelt performance in quarry vehicle incidents [Transport Research Laboratory]	2005	22
13		What's new in dummies	1974	22

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Section 21: Localised human impacts - head

No.	AUTHOR	TITLE	Y ^R	SHELF-MARK
1	Ommaya et al	Experimental concussion	1963	41
2	Holbourn	Mechanics of head injuries	1943	41
3	Ommaya et al	Scaling of experimental data on cerebral concussion in sub-human primates to concussion threshold for man	1967	41
4	Gross	Impact thresholds of brain concussion	1958	41
5	Lombard et al	Voluntary tolerance of the human to impact accelerations of the head	1951	41
6	Shelley	"Movable layer protects the brain"	1999	41
7	Hulme and Mills	'The performance of industrial helmets under impact. An assessment of the British Standard BS 5240 pt 1 1987	1996	14
8	Alem et al	Superior-inferior head impact tolerance levels [Report No. UMTRI-82-42]	1982	67
9	Dinn	Survey of papers and information sources	2000	41
10	King et al	Wayne State University brain injury model	2006	41
11	DoT	Human head tolerance research survey (TRL)	2006	41
12	Depreitere	Bicycle head injury	2006	41
13	Hodgson	Impact, skid and retention tests on a representative group of bicycle helmets to determine their head-neck protective characteristics	1990	41

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List of Papers, Articles and Reports held –

Section 22: Localised human impacts – whiplash / neck

No.	AUTHOR	TITLE	Y ^R	SHELF-MARK
1	Olney & Marsden	The effect of head restraints and seat belts on the incidence of neck injury in car accidents	1986	41
2	Newman	Whiplash injury	1990	41
3	Hashemi	Early mobilisation of acute whiplash injuries	1986	41
4	Porter	Neck sprains after car accidents	1989	41
5	Maimaris et al	Whiplash injuries of the neck: a retrospective study	1988	41
6	Deans et al	Neck sprain - a major cause of disability following car accidents	1987	41
7	Otte et al	Brain SPECT findings in late whiplash syndrome	1995	41
8	Pearce	Whiplash injury: a reappraisal	1989	41
9	Ommaya et al	Whiplash injury and brain damage	1968	41
10	Morris	Do head restraints protect the neck from whiplash injuries?	1989	41
11	Ommaya et al	The role of whiplash in cerebral concussion	1966	41
12	Nielsen	Whiplash injury with amnesia for life experiences	1959	41
13	Voo et al	Biomechanical impact tolerance characteristics of the human neck	1998	41

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List of Papers, Articles and Reports held –

Section 26: Vibration and Impact Measurement

No.	AUTHOR	TITLE	Y ^R	SHELF-MARK
1	Hardy	Instrumentation in experimental design	1993	41
2	Sulowski & Brinkley	Measurement of maximum arrest force in performance tests of fall protection equipment		21 p193
3	Sulowski	Frequency response of the load measuring instrumentation in testing of fall protection equipment	1995	41
4	Guignard	Result of a resonance search test on the RAE prototype anthropometric parachute test dummy [IAM Technical Memo No 142]	1961	41
5	Guignard	Effects of low frequency vibration on man	1960	41
6	Guignard	Human response to vibration: a critical survey of published work [ISVR memorandum No 373]	1970	46
7	ISVR	Human response to vibration (proceedings)	1975	47
8	Glaister	Measurement of impact forces and accelerations in human crash simulation and protection [Divisional Record No B17]	1979	41
9	Various	Shock and vibration handbook 2 nd edn	1976	53
10	Coermann	The mechanical impedance of the human body in sitting and standing position at low frequencies [ASD Technical Report 61-492]	1961	41
11	SAE J211	Instrumentation for impact tests	1980	41
12		Fonctionnement d'un capteur de contraintes totales soumis a des excitations dynamiques (pressure gauges used by Amphoux et al for French research)	1967	41
13	Lobert	Results on simultaneous and near simultaneous drop tests		41