Vehicle Certification Agency

THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

COMMUNICATION CONCERNING THE APPROVAL GRANTED (1) / ~~APPROVAL EXTENDED~~ (1)/ ~~APPROVAL REFUSED~~ (1) / ~~APPROVAL WITHDRAWN~~ (1) / ~~PRODUCTION DEFINITIVELY DISCONTINUED~~ (1) OF A TYPE OF PROTECTIVE HELMET ~~WITHOUT~~ / WITH (1) ONE / ~~MORE~~ (1) VISOR TYPE(S) WITHOUT / ~~WITH~~ (1) ONE / ~~MORE~~ (1) SPECIFIC ACCESSORY TYPE(S) PURSUANT TO UN REGULATION NO. 22.06

E11 Approval No: E11*22R06/02*2201*00

Reason(s) for extension: Not applicable

1. Trade mark: LEATT

2. Type: ADV 7.5

3. Sizes: XS 53-54cm S 55-56cm M 57-58cm L 59-60cm XL 61-62cm XXL 63-64cm

4. Manufacturer's name:

   Leatt® Corporation (South Africa)

5. Address:

   12 Kiepersol Crescent
   Atlas Gardens Business Park
   Cape Farms
   Durbanville
   South Africa

6. If applicable, name of manufacturer's representative: Not applicable

7. Address: Not applicable

8. Brief description of helmet: See Manufacturer's documentation

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01-Jul-25

9. Helmet ~~without lower face cover (J)~~ / with protective lower face cover(P) / ~~with non protective lower face cover (NP) / with detachable or movable lower face cover (P/J)~~ [4]

10. Type of visor or visors: ADV 8.5_9.5_LT-V01

11. Brief description of visor or visors and inner visor if any: Not applicable

12. Helmet ready for specific accessory (SA) / ready for universal accessories (UA) [1] Not applicable

13. Accessories included in the helmet homologation and functionality: Not applicable

14. If UA helmet, speakers (S or S45) / Microphone (M) / Front mounting (F) / Side mounting (L), Rear mounting (R) [1] Not applicable

14.1. If S40 or S45, speaker dummy used for the homologation test deformable / rigid Not applicable

15. Submitted for approval on: 25 April 2025

16. Technical service responsible for conducting approval tests: Omega srl

17. Date of report issued by that service: 21 June 2025

18. Number of report issued by that service: VCA024347

19. Comments: None

20. Approval: GRANTED / ~~EXTENDED / REFUSED / WITHDRAWN~~ [1]

21. Place: BRISTOL

22. Date: 01 JULY 2025

23. Signature:

C McCABE
Chief Technical and Statutory Operations Officer

UK Approval Authority | Vehicle Certification Agency
01-Jul-25

24. The following documents, bearing the approval number shown above, are available on request:

(1) Strike out what does not apply

Vehicle Certification Agency

THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

APPROVAL NUMBER: E11*22R06/02*2201*00

INFORMATION PACKAGE CONTENTS

INDEX REVISION NUMBER: 00

Conformity of Production (COP) Declaration	**COP Confirmed**
Assessment Method	**COP Audit**
Date of Initial Clearance	**September 2023**
Date of Last Clearance	**September 2024**

Total number of sheets: 15 (Fifteen)

Reasons for Revision: Not applicable

Revision Date
&
Office Stamp

UK Approval Authority | Vehicle Certification Agency
01-Jul-25

LEATT CORPORATION
TECHNICAL FILE 399
REVISION 00
PERSONAL PROTECTIVE EQUIPMENT
HELMET LEATT ADV 7.5

Prepared by Leatt®-Lab
May 2025

R&D Department

Document No: TF 399
Revision 00

UK Approval Authority | Vehicle Certification Agency
01-Jul-25

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GENERAL INFORMATION

PRODUCT INFORMATION

ANNEXURE A - MANUFACTURER's INFORMATION

ANNEXURE B – DRAWINGS & GENERAL ASSEMBLY

GENERAL INFORMATION

1. File Number:	TF 399 **Revision Status**: R 00 **Date**:06th May 2025
2. Manufacturer's name and address	Leatt® Corporation (South Africa) No. 12 Kiepersol Crescent Atlas Gardens Durbanville 7550 Cape Town Republic of South Africa

3. Company representative

not applicable

4. Name and address of assembly plant	XIAMEN TERRIFIC COMPOSITE TECHNOLOGY CO.,LTD 7/F, Building B, NO.1299-8, Dongfu Avenue Haicang District, Xiamen, China Tel: +86-05926288281, Fax: +86-05926288281 Email: leon@xmtrfc.com
5. Trade Mark	LEATT
6. Type	**ADV 7.5**

6.1 Helmet Type

Adventure motorcycle helmet that provides head protection for motorcyclists, meeting the requirements of ECE22.06 and DOT.

- ECE 22.06 Regulation - Uniform Provisions Concerning the approval of protective helmets and their visors for drivers and passengers of motorcycles and mopeds.
- DOT Standard No. 218 - Motorcycle Helmets – US National Highway Traffic Safety Administration.

PRODUCT INFORMATION

7.1 Parts list

See Annexure B

7.2 Product Pictures

Examples of the Helmet ADV 7.5






7.3 Product Description (base model)

The Leatt ADV 7.5 Series Helmet is an Adventure helmet.

It features a viscous-elastic polymer material that is built into a circular array of impact-absorbing spacers placed between the rider's head and the helmet's padded EPS liner to help control head rotation within the helmet liner while protecting the brain from low energy impacts -considered to be the leading cause of concussions among off-road motorcycle riders.

About the size of a US quarter, these 'Turbine 360' buttons fulfil two critical duties. The energy absorbing material slows low-speed impacts well before the head contacts the EPS liner, while the spoked 'turbine' design allows the head to rotate slightly inside the helmet, should the rider receive a glancing blow.

Features:

- **ABS in 3 shell sizes**
- **360° Turbine Technology**
- Helps reduce peak brain acceleration by up to 30% at impact speeds associated with concussion
- Helps reduce peak brain rotational acceleration by up to 40%
- **Clear shield**
- **FREE Velocity 2.5 Vizion Goggles included**
- **Pinlock® 120 MaxVision XLT Antifog compatible (not included)**
- **DD-ring**
- **4-Way Rider Set up**
    - **Shield & Goggles & Visor**
    - **Shield & Visor**
    - **Goggles & Visor**
    - **Shield and no visor**
- Wind tunnel tested shell design significantly reduces drag and lift
- Chin Curtain & Cheek pads seal around the neck for noise reduction
- Quick-release Shield for Off-road use
- Covers for the Shield mechanism included for use in off-road mode.
- Extra wide eye port for goggle integration
- Compatible with aftermarket communication devices
- Antimicrobial and washable liner and cheek pads
- Emergency cheek pads
- Spare lenses available in Iriz Silver (Mirror) and Smoke
- Certified & Tested ECE 22.06 and DOT
- Weight: #M 1680 ± 50g
- Plastic-free packaging

7.3.1 Product Description (variant models)

None at present.

7.4 Shell Materials

ABS

7.5 Liner

EPS (Expanded Polystyrene)

7.6 Padding

Moulded EVA

360° 'turbines'

7.7 Accessories

- Emergency removable safety cheek pads
- Peak with break-away function

7.8 Retention System

- DD-ring. See drawings in annexure B for more details.

7.9 Reflective Bands

- See report number "*Report-0265EU15*" with reflective qualities and drawings in annexure B for design details.

7.10 Weight

The following weights have been defined with a tolerance of ± 50g

Sizes	Weight [g]
Adult XS / S	*1570 ± 50*
Adult M	*1680 ± 50*
Adult L	*1690 ± 50*
Adult XL / XXL	*1750 ± 50*

8. Helmet Drawings and General assembly of product

General dimensions:

	Shell			EPS		
Size	**Width**	**Length**	**Height**	**Width**	**Length**	**Height**
XS / S	252	330	300	242	315	296
M/L	259	337	306	250	326	304
XL/XXL	270	352	320	259	338	311

Please refer to Annexure B for drawings and assembly details.
This is a direct extract from the Leatt data pack with unnecessary detail removed.

9. Outline of method of manufacture: Material testing and cutting, assembly order and the inspections that are made, finishing and inspection

Leatt® Corporation applies quality management with due regard to ISO 9001. Quality procedures detail the type and quantity of inspections to be performed on production runs, including a requirement for sampling of all products, components and manufacturing processes at each stage of production; plus a requirement for testing of completed products at regular intervals, or where there are concerns that a serious non-compliance may have occurred. Leatt Quality personnel are directly involved in the guidance and training of supplier Factory Quality teams where necessary.

Materials and components from non-ISO 9001 accredited suppliers are checked for conformity before being moved to the stores. For such suppliers, a sample representing 5% of a shipment quota is checked and after passing inspection shipments are stored in a specific area. For ISO 9001 accredited suppliers, the inspection is 0.5%, selected at random and checked in the manner described above.

Materials are required to be within the tolerances of the LEATT specifications and designs. In the event of non-conformity, either the entire shipment is repackaged (marked clearly as “rejected”), quarantined, and returned to the supplier for rework or credit or subject to 100% inspection and non-conforming materials removed and rejected.

All fabrics and lining materials are cut to size from templates to an accuracy of ± 3%. Continual visual checks are made, usually following each cutting operation, to ensure that the pattern has not been damaged or otherwise dimensionally-changed due to wear and tear.

Components for products of the same variant type and size are prepared at the same time, or are prepared on physically separated production lines. Components are clearly tagged or otherwise marked with the variant type and size, and at all stages of the manufacturing process are kept completely separate from other components for different product variants and sizes. If at all possible, production of different variants and sizes does not take place at the same time.

Assembly is performed in accordance with the procedures specified in Leatt® Corporation’s Production Manuals. Constant visual inspections are made to ensure that

- All components are for the correct, same variant and size of product
- All badges and labels are fitted

All completed products are then submitted for Final Inspection, where checks are made to ensure that the correct assembly specification has been met. Where this is the case, swing tickets, including

warning labels, are attached by one or more nylon tags and the product is placed within packaging. Should a non-conformance be discovered, however, a “rejected” label is attached to the product, with an explanation of the non-conformance written on the reverse of the label, and returned to the assembly department for corrective action.

10. Sizing

The products described in this Technical File are available to fit a broad range of head sizes.

Model Size	Head Size	Shell	EPS
Adult XS (Extra Small)	53-54cm	Small	Small
Adult S (Small)	55-56cm		
Adult M (Medium)	57-58cm	Medium	Medium
Adult L (Large)	59-60cm		Large
Adult XL (Extra Large)	61-62cm	Large	X-Large
Adult XXL (Extra Extra Large)	63-64cm		

11. Labelling

11.1 Applicant's statement of labelling

The following information will be clearly affixed to the helmet, in a visible place and respecting the location and dimensions required by the applicable standards.

- Product brand and variant identification (e.g. "Helmet ADV 7.5”);
- The appropriate Certification markings as required by the applicable standards;
- A size designation in accordance with the applicable standards
- A means of identifying the date of manufacture, such as a batch number.
- Its maximum weight, to the nearest 50 grams, as placed on the market.

11.2 Examples of product labels see following reference documents:

- ADV-7.5-8.5-9.5-Helmet-labels_REV7

Technical File for EC Type-Examination

Leatt® Corporation

PERSONAL PROTECTIVE EQUIPMENT
Helmet ADV 7.5

ANNEXURE A

MANUFACTURER's INFORMATION

See the following enclosures for the Manufacturer's information:

- "Helmet ADV 7.5_8.5_9.5 Manual"

Technical File for EC Type-Examination

Leatt® Corporation

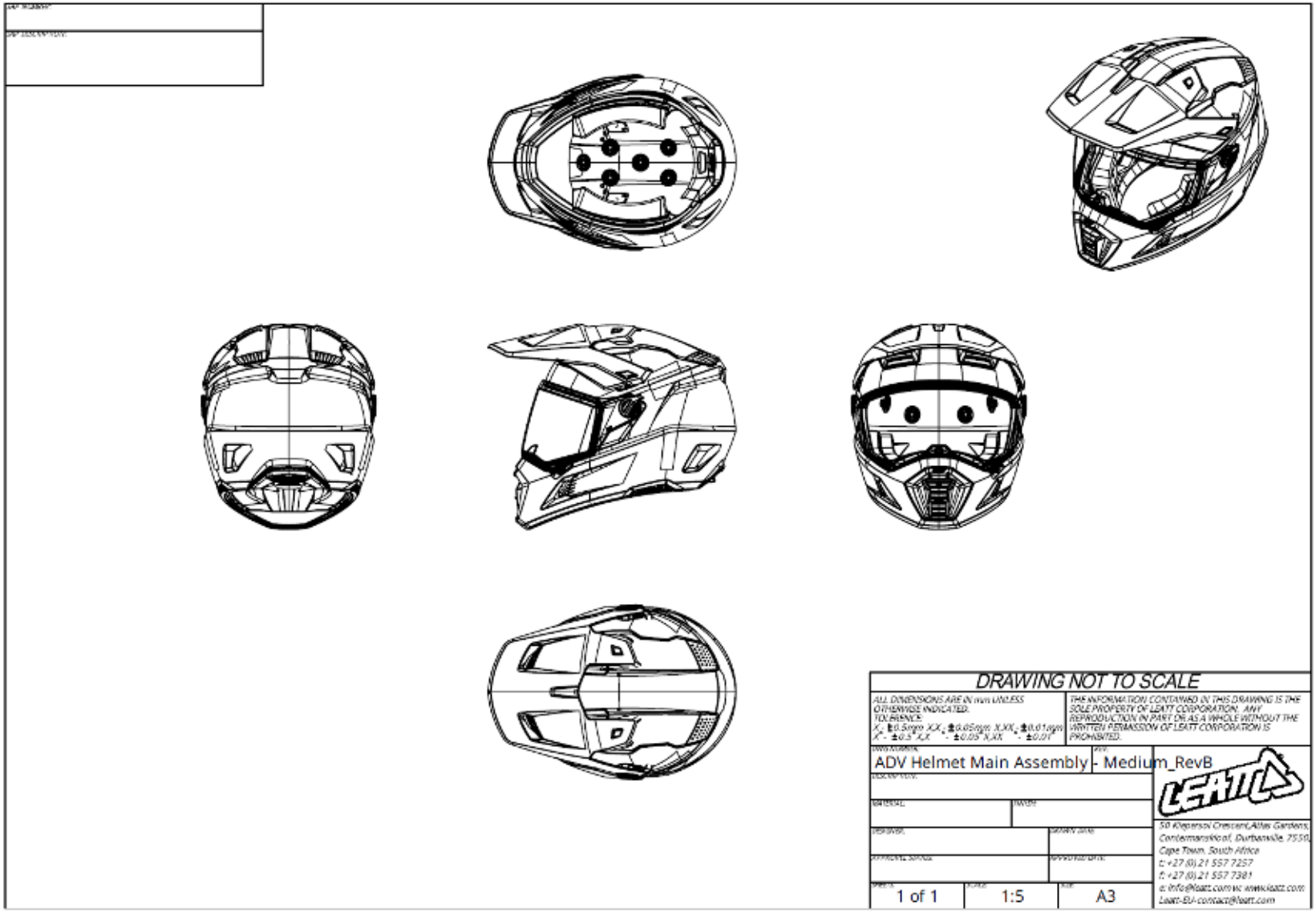
PERSONAL PROTECTIVE EQUIPMENT
Helmet ADV 7.5

ANNEXURE B

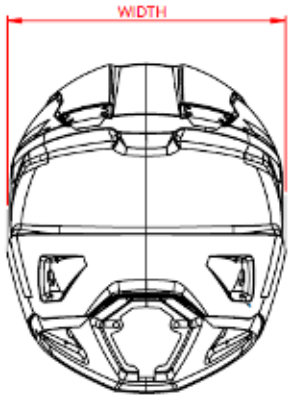
TECHNICAL DRAWINGS

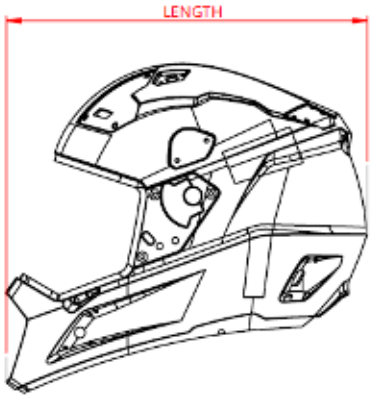
See following enclosures for Technical Drawings:

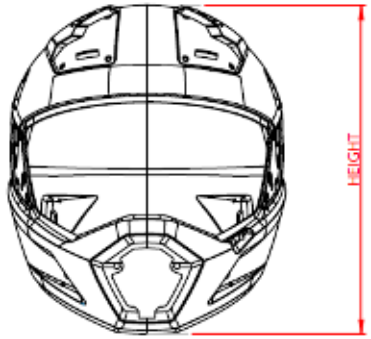
- Dimensions ADV 9.5_8.5_7.5
- ADV 7.5 Chin Strap Dimensions
- Double D-ring Dimensions
- 2024 ADV Helmet - French Reflective Sticker

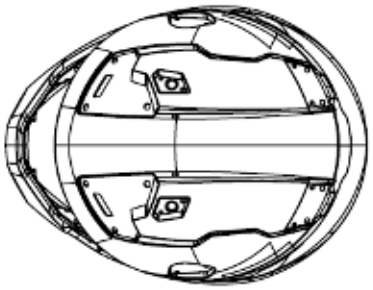


	Shell		
Size	Width	Length	Height
XS / S	252	330	300
M / L	259	337	306
XL / XXL	270	352	320









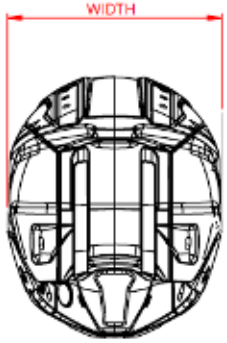
DRAWING NOT TO SCALE

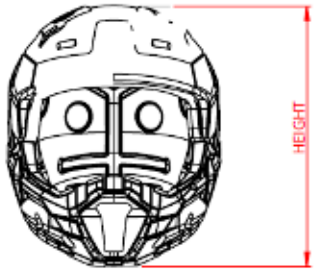
ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE INDICATED.
TOLERANCE:
$X_{.} \pm 0.5$mm $X.X_{.} \pm 0.05$mm $X.XX_{.} \pm 0.01$mm
X° - $\pm 0.5^{\circ}$ $X.X^{\circ}$ - $\pm 0.05^{\circ}$ $X.XX^{\circ}$ - $\pm 0.01^{\circ}$

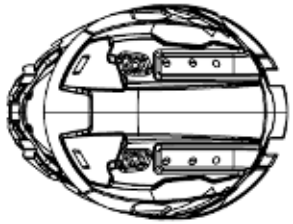
DWG NUMBER: ADV_helmet_shell_M_20230417
REV:
DESCRIPTION:
MATERIAL: Material <not specified>
FINISH:
DESIGNED:
DRAWN DATE:
APPROVED BY:
APPROVED DATE:
SHEET: 1 of 1
SCALE: 1:5
SIZE: A3

50 Klapperol Crescent,Atlas Gardens, Contermanskloof, Durbanville, 7550, Cape Town, South Africa
t. +27 (0)21 557 7257
f. +27 (0)21 557 7381
e. info@leatt.com w. www.leatt.com
Leatt-EU-contact@leatt.com

	EPS		
Size	Width	Length	Height
XS / S	242	315	296
M / L	250	326	304
XL / XXL	259	338	311







DRAWING NOT TO SCALE

ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE INDICATED.
TOLERANCE:
X.- ±0.5mm X.X.- ±0.05mm X.XX.- ±0.01mm
X°.- ±0.5° X.X °.- ±0.05° X.XX °.- ±0.01°

DWG NUMBER: ADV Helmet Main Assembly | REV: - Medium_RevB

DESCRIPTION:

MATERIAL: | FINISH:

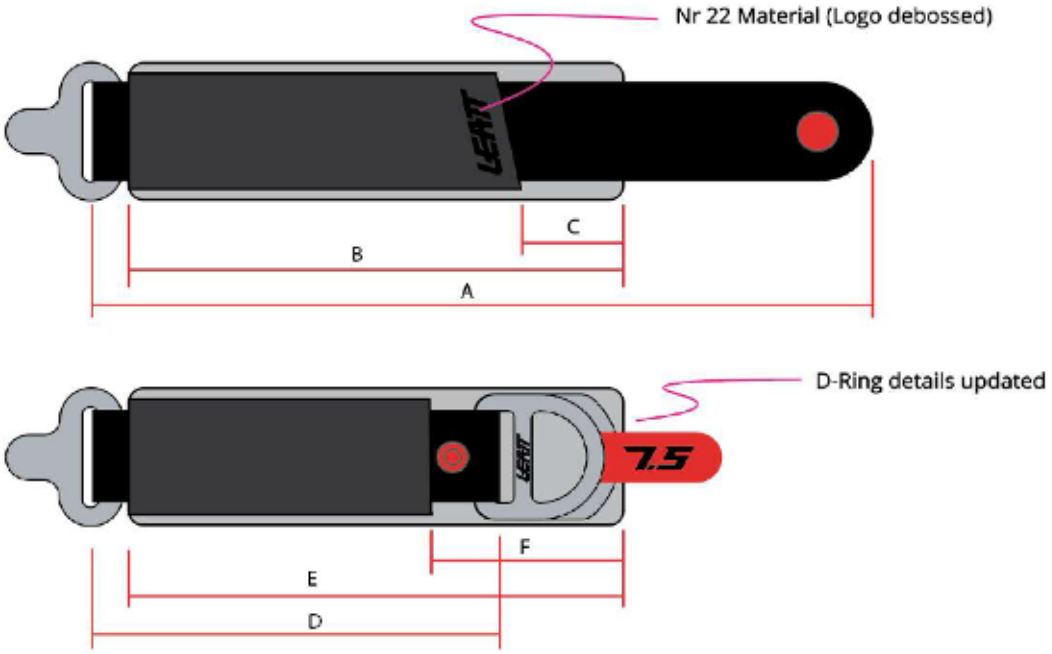
DES'D BY: | DRAWN BY:

APPROVAL STATUS: | APPROVED BY:

SHEET: 1 of 1 | SCALE: 1:5 | SIZE: A3

50 Imperial Crescent, Atlas Gardens, Contermanskloof, Durbanville, 7550, Cape Town, South Africa
t: +27 (0) 21 557 7257
f: +27 (0) 21 557 7381
e: info@leatt.com w: www.leatt.com
Leatt-EU-contact@leatt.com

Strap length 7.5	
Webbing	Tetoron - 25 mm - 100% polyester
Double D-Ring	Stainless Steel with logo
Hanger	Stainless steel - non coated
Shell rivet	CH1T
Washer	Stainless steel - non coated



	Dimensions					
Helmet size	**A**	**B**	**C**	**D**	**E**	**F**
XS-S	355	130	35	110	130	55
M-L	355	140	35	110	140	65
XL-XXL	355	140	35	120	150	65

****All lenght in mm*

REVISION LOG		
Document		Leatt Corporation Technical File 399 *HELMET ADV 7.5*

Rev Number	Date	Page#, Section	Reason for Change
00	*13-MAY-2025*	*All pages*	*Preliminary Draft for comment*

Name: Pieter-André Keevy
Position: Biomedical Engineer
Signature:

OMEGA

TYPE APPROVAL TESTING
UNECE n°22 Series 06

Job Number		[VCA024347]
Report	Code:	Leatt ADV 7.5 E2206 Helmet Approval 20250425
	Date:	25/04/2025
Manufacturer	Name:	Leatt® Corporation
	Address:	12 Kiepersol Crescent Atlas Gardens Business Park Cape Farms Durbanville South Africa
Representative	[it does not apply]	
Sample	Helmet model:	ADV 8.5
	Approval n°:	n/a
	Stickers from n°:	n/a to n°: n/a Batch n°: n/a
	Arrival date:	11/04/2025 Testing date: 24/04/2024
Test Site	[OMEGA CHINA] / [OMEGA ITALY]	

Essential Technical Data		
SIZE RANGE	[XS 53-54cm S 55-56cm M 57-58cm L 59-60cm XL 61-62cm XXL 63-64cm]	
SHELL MATERIAL	[ABS]	
WEIGHT	[gr XS-S 1570 ± 50, M 1680 ± 50, L 1690 ± 50 XL-XXL 1750 ± 50]	
RETENTION SYSTEM	[DD-Ring]	
REFLECTIVE BANDS	No	
ENVIRONMENTAL CONDITIONS	Temperature [°C]	[22]

Used Machine	Identifier /Manufacturer	Expiry Date
Tracking point of impact	L4 (AD Engineering)	Daily Check IO 7.2.13
Shock absorption / DLS 9000	L1 (AD Engineering)	[15 May 2025]
Chin strap resistance	L5 (Hototech)	[05 December 2028]
Conditioning chamber: Freezer	L10 (Hototech)	[05 December 2025]
Conditioning chamber: Oven	L9 (Hototech)	[05 December 2025]
Compressibility	M0030 (AD Engineering)	[21/05/2025]
Chin strap efficiency [Roll-off]	L7 (Hototech)	[06/06/2025]

The Helmet has been tested in the different configurations as supplied by the client.

ITALY: Strada Comunale Savonesa n.9 / 15057 Tortona (AL) / Italy / Tel. 0039-0131-860220 / VAT 01828300069
CHINA: Room 103, No.455-3, Second Ring South Road | Tong'an District, Xiamen, Fujian, 361100 | China

OMEGA

HELMET IMAGES	
 *Front*	 *Side 1*
 *Side 2*	 *Rear*

ITALY: Strada Comunale Savonesa n.9 / 15057 Tortona (AL) / Italy / Tel. 0039-0131-860220 / VAT 01828300069

CHINA: Room 103, No.455-3, Second Ring South Road | Tong'an District, Xiamen, Fujian, 361100 | China

OMEGA

GENERAL SPECIFICATION TEST

SIZES **XS (53-54) S (55-56) M (57- 58) L (59-60) XL (61-62) XXL (63-64)**

Reference	General Specification		Result Pass (or N/A)	Result Fail
6.1	Hard shell		Pass	
6.1	Impact absorption system (see test data in this report)		Pass	
6.1	Retention system		Pass	
6.2.2	Marked "Does not protect chin from impacts" (if applicable)		N/A	
6.4.1	Extent of protection		Pass	
6.4.2	Nape cylinder		Pass	
6.4.3	Protective padding		Pass	
6.5	Outer round surface – Auditive faculties		Pass	
6.6	Projections (≥ 2 mm)		Pass	
6.7	External Projections (h ≤ 2 mm – r ≥ 1 mm) ; (h ≥ 2mm – r ≥ 2mm)		Pass	
6.8	Helmet interior		Pass	
6.9	Assembly		Pass	
6.10	Chin strap abrasion		Pass	
6.11 - 6.11.1	Retention system – Chin strap width (≥ 20 mm)		Pass	
6.11.2	Under-chin		Pass	
6.11.3	Chin strap regulation system		Pass	
6.11.4	Rigid parts		Pass	
6.11.5	Buckle – "Double D" or "Roller buckle"		Pass	
6.11.6	Pulling flap (red 10 x 20mm)		Pass	
6.11.7	Quick release (general requirement)		N/A	
6.11.8	Quick release (tests par. 7.3, 7.6, 7.7)		N/A	
6.11.9	Wrong buckle use		N/A	
6.12	P/J helmets: device that maintains the intended position even during the complete series of impacts and retention (detaching) test (red)		N/A	
6.13	Material properties (manufacturer declaration)		Pass	
6.14	Helmet breaking		Pass	
6.15, 6.15.3.1 6.15.3.2 6.15.3.3	Peripheral vision:	Lateral visual clearance 105°	Pass	
		Upward visual clearance 7°	Pass	
		Downward visual clearance 45°	Pass	
6.18.2 to 6.18.6	Reflective parts (see test reports)		N/A	

ITALY: Strada Comunale Savonesa n.9 / 15057 Tortona (AL) / Italy / Tel. 0039-0131-860220 / VAT 01828300069

CHINA: Room 103, No.455-3, Second Ring South Road | Tong'an District, Xiamen, Fujian, 361100 | China

SPECIFICATION	
H.F. Size	[54 to 62]
Impact point	B / P / X / R /S Extra Point
Anvil	Kerbstone / Flat
Impact point Rotational	45° / 180° / 270° / 0° /135°
Anvil	45° anvil
Conditioning [°C]	
AMB	25 °C ± 5 °C for more than 4 hours
LOW	-10 °C ± 2 °C for more than 4 hours
HIGH	+50 °C ± 2 °C for more than 4 hours and less than 8 hours
UV+H_2O	Ultraviolet radiation by 150-watt xenon- 48 hours Water spray 4 to 6 hours, 1 litre per minute
Speed [m/s]	7.5 m/s + 0.15 m/s (6-0 + 0.15 m/s for the S point) High Speed 8.2 m/s +0.15 m/s Low Speed 6.0 m/s + 0.15 m/s
HIC	≤ 2400 High Speed ≤ 2880 Low Speed ≤ 1300 Rotational 0.78
Deceleration	≤ 275 Low Speed ≤ 180 Rotational ≤ 10400 rad/s²

IMPACT ABSORPTION TESTS — Ref. 7.3

Helmet size XXL (63-64)

Sticker n°	Internal Id	H.F. Size	Impact point	Anvil	Cond. [°C]	Speed [m/s]	Deceleration ≤ 275 [g]	HIC ≤ 2400
-	25-1182	62	B	FLAT	AMB	7.53	195	1376
			X	FLAT		7.53	191	1425
			P	FLAT		7.53	198	1802
			R	FLAT		7.55	171	1246
-	25-1183	62	B	KERB	AMB	7.53	110	774
			X	KERB		7.55	159	1070
			P	KERB		7.53	144	1106
			R	KERB		7.58	113	800
-	25-1184	62	B	KERB	+50	7.51	123	870
			X	KERB		7.53	173	1085
			P	KERB		7.53	146	1092
			R	KERB		7.51	111	783
-	25-1185	62	B	FLAT	-10	7.55	191	1371
			X	FLAT		7.53	197	1495
			P	FLAT		7.53	218	1932
			R	FLAT		7.53	135	917
			S	FLAT		6.05	116	333

-	25-1186	62	B	FLAT	UV +WET	7.53	222	2183
			X	FLAT		7.53	192	1436
			P	FLAT		7.51	222	1994
			R	FLAT		7.55	142	1090

Helmet size L (59-60)

Sticker n°	Internal Id	H.F. Size	Impact point	Anvil	Cond. [°C]	Speed [m/s]	Deceleration ≤ 275 [g]	HIC ≤ 2400
-	25-1168	60	B	FLAT	AMB	7.65	177	1532
			X	FLAT		7.53	200	1461
			P	FLAT		7.55	232	2084
			R	FLAT		7.51	178	1556
-	25-1169	60	B	KERB	AMB	7.53	132	914
			X	KERB		7.53	174	1173
			P	KERB		7.58	235	1466
			R	KERB		7.55	126	915
-	25-1170	60	B	KERB	+50	7.53	167	959
			X	KERB		7.55	211	1263
			P	KERB		7.53	243	1462
			R	KERB		7.51	123	874
-	25-1171	60	B	FLAT	-10	7.51	177	1627
			X	FLAT		7.53	198	1415
			P	FLAT		7.53	236	2151
			R	FLAT		7.53	165	1319
			S	FLAT		6.04	109	349
-	25-1172	60	B	FLAT	UV +WET	7.55	154	978
			X	FLAT		7.53	192	1399
			P	FLAT		7.53	222	1947
			R	FLAT		7.51	140	1100

Helmet size M (57-58)

Sticker n°	Internal Id	H.F. Size	Impact point	Anvil	Cond. [°C]	Speed [m/s]	Deceleration ≤ 275 [g]	HIC ≤ 2400
-	25-1173	57	B	KERB	+50	7.53	113	671
			X	KERB		7.53	164	1065
			P	KERB		7.53	177	1296
			R	KERB		7.53	120	835
-	25-1174	57	B	FLAT	-10	7.55	173	1434
			X	FLAT		7.51	216	1602
			P	FLAT		7.53	226	2202
			R	FLAT		7.53	169	1516
			S	FLAT		6.05	117	373

OMEGA

Helmet size	S (55-56)							
Sticker n°	Internal Id	H.F. Size	Impact point	Anvil	Cond. [°C]	Speed [m/s]	Deceleration ≤ 275 [g]	HIC ≤ 2400
-	25-1187	54	B	FLAT	AMB	7.53	168	1238
			X	FLAT		7.51	197	1499
			P	FLAT		7.51	201	2044
			R	FLAT		7.53	190	1856
-	25-1188	54	B	KERB	AMB	7.53	127	772
			X	KERB		7.51	143	977
			P	KERB		7.51	161	1288
			R	KERB		7.51	149	1142
-	25-1189	54	B	KERB	+50	7.51	125	816
			X	KERB		7.51	147	670
			P	KERB		7.55	165	1252
			R	KERB		7.53	148	1130
-	25-1190	54	B	FLAT	-10	7.51	183	1395
			X	FLAT		7.55	210	1637
			P	FLAT		7.51	207	2194
			R	FLAT		7.51	190	1929
			S	FLAT		6.04	91	259
-	25-1191	54	B	FLAT	UV +WET	7.53	179	1322
			X	FLAT		7.53	205	1573
			P	FLAT		7.55	218	2175
			R	FLAT		7.51	183	1785

IMPACT ABSORPTION TESTS, EXTRA POINTS Ref. 7.3 & 7.3.4.2.1

Helmet size	XXL (63-64)							
Sticker n°	Internal Id	H.F. Size	Impact point	Anvil	Cond. [°C]	Speed [m/s]	Deceleration ≤ 275 [g]	HIC ≤ 2400
-	25-1195	62	BXL	KERB	AMB	7.51	113	771
			RXR	KERB		7.53	144	1008
			BXPR	KERB		7.53	131	932
			RXPL	KERB		7.59	134	1015
-	25-1194	62	BXL	FLAT	AMB	7.51	181	1446
			RXR	FLAT		7.53	203	1870
			BXPR	FLAT		7.59	196	1929
			RXPL	FLAT		7.55	171	1526

OMEGA

Helmet size	L (59-60)							
Sticker n°	Internal Id	H.F. Size	Impact point	Anvil	Cond. [°C]	Speed [m/s]	Deceleration ≤ 275 [g]	HIC ≤ 2400
-	25-1177	60	BXL	KERB	AMB	7.53	121	817
			RXR	KERB		7.51	137	1031
			BXPR	KERB		7.51	132	1040
			RXPL	KERB		7.53	136	1174
-	25-1176	60	BXL	FLAT	AMB	7.51	182	1577
			RXR	FLAT		7.53	220	2009
			BXPR	FLAT		7.55	177	1502
			RXPL	FLAT		7.53	191	1814

Helmet size	S (55-56)							
Sticker n°	Internal Id	H.F. Size	Impact point	Anvil	Cond. [°C]	Speed [m/s]	Deceleration ≤ 275 [g]	HIC ≤ 2400
-	25-1121	54	BXL	KERB	AMB	7.59	131	831
			RXR	KERB		7.51	175	1374
			BXPR	KERB		7.51	150	1218
			RXPL	KERB		7.59	154	1182
-	25-1120	54	BXL	FLAT	AMB	7.51	211	1881
			RXR	FLAT		7.51	227	2270
			BXPR	FLAT		7.53	185	1626
			RXPL	FLAT		7.51	204	1803

HIGH ENERGY IMPACT TESTS — Ref. 7.3 & 7.3.1.4

Helmet size	XXL (63-64)							
Sticker n°	Internal Id	H.F. Size	Impact point	Anvil	Cond. [°C]	Speed 8.35÷8.2 [m/s]	Deceleration ≤ 275 [g]	HIC ≤ 2880
-	25-1196	62	B	FLAT	AMB	8.22	183	1584
			X	FLAT		8.22	208	1800
			P	FLAT		8.25	219	2207
			R	FLAT		8.25	169	1408

Helmet size	L (59-60)							
Sticker n°	Internal Id	H.F. Size	Impact point	Anvil	Cond. [°C]	Speed 8.35÷8.2 [m/s]	Deceleration ≤ 275 [g]	HIC ≤ 2880
-	25-1178	60	B	FLAT	AMB	8.20	189	1831
			X	FLAT		8.22	225	1812
			P	FLAT		8.22	248	2534
			R	FLAT		8.22	200	1881

OMEGA

Helmet size	S (55-56)							
Sticker n°	Internal Id	H.F. Size	Impact point	Anvil	Cond. [°C]	Speed 8.35÷8.2 [m/s]	Deceleration ≤ 275 [g]	HIC ≤ 2880
-	25-1122	54	B	FLAT	AMB	8.22	180	1462
			X	FLAT		8.22	222	1920
			P	FLAT		8.20	235	2688
			R	FLAT		8.22	203	2331

LOW ENERGY IMPACT TESTS — Ref. 7.3 & 7.3.1.4

Helmet size	XXL (63-64)							
Sticker n°	Internal Id	H.F. Size	Impact point	Anvil	Cond. [°C]	Speed 6.15÷6.0 [m/s]	Deceleration ≤ 180 [g]	HIC ≤ 1300
-	25-1197	62	B	FLAT	AMB	6.04	174	998
			X	FLAT		6.04	159	911
			P	FLAT		6.02	168	1091
			R	FLAT		6.05	127	661

Helmet size	L (59-60)							
Sticker n°	Internal Id	H.F. Size	Impact point	Anvil	Cond. [°C]	Speed 6.15÷6.0 [m/s]	Deceleration ≤ 180 [g]	HIC ≤ 1300
-	25-1179	60	B	FLAT	AMB	6.04	170	1196
			X	FLAT		6.05	142	754
			P	FLAT		6.04	174	1202
			R	FLAT		6.02	143	960

Helmet size	S (55-56)							
Sticker n°	Internal Id	H.F. Size	Impact point	Anvil	Cond. [°C]	Speed 6.15÷6.0 [m/s]	Deceleration ≤ 180 [g]	HIC ≤ 1300
-	25-1123	54	B	FLAT	AMB	6.02	160	861
			X	FLAT		6.02	154	864
			P	FLAT		6.02	160	1206
			R	FLAT		6.02	164	1234

OBLIQUE IMPACT TEST — Ref. 7.13 & Annex 7

Helmet size	XXL (63-64)							
Sticker n°	Internal Id	H.F. Size	Impact point	Anvil	Cond. [°C]	Speed 8.15÷8.0 [m/s]	PRA ≤ 10.400 [rad.s^{-2}]	BrIC ≤ 0,78
-	25-1199	62	45°	45°	AMB	8.14	3359	0.39
			180°	45°		8.11	4291	0.37
			270°	45°		8.11	3414	0.35
	25-1198	62	0°	45°	AMB	8.14	3937	0.40
			135°	45°		8.14	4528	0.42

OMEGA

Helmet size	L (59-60)							
Sticker n°	Internal Id	H.F. Size	Impact point	Anvil	Cond. [°C]	Speed 8.15÷8.0 [m/s]	PRA ≤ 10.400 [rad.s^{-2}]	BrIC ≤ 0,78
-	25-1181	60	45°	45°	AMB	8.11	3953	0.46
			180°	45°		8.07	4238	0.37
			270°	45°		8.11	3902	0.41
	25-1180	60	0°	45°	AMB	8.11	4757	0.47
			135°	45°		8.11	4143	0.38

Helmet size	S (55-56)							
Sticker n°	Internal Id	H.F. Size	Impact point	Anvil	Cond. [°C]	Speed 8.15÷8.0 [m/s]	PRA ≤ 10.400 [rad.s^{-2}]	BrIC ≤ 0,78
-	25-1125	54	45°	45°	AMB	8.11	4755	0.48
			180°	45°		8.11	5806	0.44
			270°	45°		8.07	4244	0.39
	25-1124	54	0°	45°	AMB	8.11	6068	0.57
			135°	45°		8.11	1247	0.10

TEST FOR PROJECTION AND SURFACE FRICTION METHOD B **Ref. 7.4.2**

Sticker n°	Helmet Internal Id	Tested Point	Result	
			Pass	**Fail**
-	25-0666	[Side Right]	X	-
-	25-0666	[TOP]	X	-

[Complete the table with "X" or "-" as applicable]

OMEGA

RIGIDITY TEST — Ref. 7.5

Sticker n°	Helmet Internal Id	Size	Load Direction	Deformation [mm]		
				Initial (load 30N)	Max 40 [mm] (load 630N)	Final 15 [mm] (load 30N)
-	25-0662	XXL	Longitudinal	1	11	2
-	25-0663	XXL	Transversal	1	12	1

Sticker n°	Helmet Internal Id	Size	Load Direction	Deformation [mm]		
				Initial (load 30N)	Max 40 [mm] (load 630N)	Final 15 [mm] (load 30N)
-	25-0664	L	Longitudinal	1	10	2
-	25-0665	L	Transversal	1	11	2

Sticker n°	Helmet Internal Id	Size	Load Direction	Deformation [mm]		
				Initial (load 30N)	Max 40 [mm] (load 630N)	Final 15 [mm] (load 30N)
-	25-0667	S	Longitudinal	1	13	1
-	25-0668	S	Transversal	1	11	2

DYNAMIC TEST OF THE RETENTION SYSTEM — Ref. 7.6

Sticker n°	Helmet Internal Id	**Size**	Chin Strap	Dynamic 35 [mm]	Residual 25 [mm]
-	25-1193	**XS**	DD	29.2	14.6

Sticker n°	Helmet Internal Id	**Size**	Chin Strap	Dynamic 35 [mm]	Residual 25 [mm]
-	25-1175	**M**	DD	27.1	11.8

Sticker n°	Helmet Internal Id	**Size**	Chin Strap	Dynamic 35 [mm]	Residual 25 [mm]
-	25-1192	**XL**	DD	26.9	14.2

RETENTION (DETACJING) TEST - ROLL OFF — Ref. 7.7

CHIN STRAP: [DD ring]

Sticker n°	Helmet Internal Id	**Size**	Chin strap	Roll off Angle ≤ 30°
-	25-1193	**XS**	Reverse Position (7.7.2)	26
		XS	Roll-Off (7.7.3)	13

CHIN STRAP: [DD ring]

Sticker n°	Helmet Internal Id	**Size**	Chin strap	Roll off Angle ≤ 30°
-	25-1175	**M**	Reverse Position (7.7.2)	24
		M	Roll-Off (7.7.3)	14

CHIN STRAP: [Ratchet]				
Sticker n°	Helmet Internal Id	**Size**	Chin strap	Roll off Angle ≤ 30°
-	25-1192	**XL**	Reverse Position (7.7.2)	16
		XL	Roll-Off (7.7.3)	12

Reverse Position

ROLL-OFF

RETENTION SYSTEM STRENGTH

MICRO-SLIP TEST OF THE CHIN STRAP		Ref. 7.10
Helmet Internal Id	Chin strap	Result **[Pass/Fail]**
-	DD	PASS

RESISTANCE TO ABRASION OF THE CHIN STRAP		Ref. 7.11
Helmet Internal Id	**Test Reference 7.1**	Result **[Pass/Fail]**
-	Resistance to Abrasion of the Chin Strap	Pass

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OMEGA

QUICK RELEASE MECHANISM MICROMETRIC — Ref. 7.12

Helmet Internal Id	**Test Reference 7.12.1**	Result **[Pass/Fail]**
-	Inadvertent release by pressure	N/A

Helmet Internal Id	**Test Reference 7.12.2**	Result **[Pass/Fail]**
-	Easy of release ($Load_{max}$ ≤ 30 or 60 [N])	N/A

Helmet Internal Id	**Test Reference 7.12.3**	Result **[Pass/Fail]**
-	Durability of quick release mechanism Saline fog – 5000 cycles – Traction 2.0 kN±50N	N/A

REFLECTIVE PARTS

Reference	Test	Result Pass or N/A	Fail
6.16.2	Reflective parts (Geometry requirements)	**N/A**	
6.16.3	Reflective parts (Colorimetric requirements)	**N/A**	
6.16.4	Reflective parts (Photometric requirements)	**N/A**	
6.16.5	Reflective parts (Resistance to external agents requirements)	**N/A**	
6.16.6	Reflective parts (Compatibility of materials requirements)	**N/A**	

THE SAMPLES TESTED MEET THE REQUIREMENTS OF THE REFERENCE NORM.

Laboratory Technician
(Gao Yaming)

Laboratory Manager
(Kidman Yu)

(Juan Pablo Cuesta)

END OF REPORT

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OMEGA

QUALIFICATION TESTING
UNECE n°22 Series 06

Job Number		[VCA024347]
Report	Code:	Leatt ADV 7.5 E06 Helmet Qualification 20250621
	Date:	21/06/2025
Manufacturer	Name:	Leatt® Corporation
	Address:	12 Kiepersol Crescent Atlas Gardens Business Park Cape Farms Durbanville South Africa
Representative	[it does not apply]	
Sample	Helmet model:	ADV 7.5
	Approval n°:	E11*22R06/02*2201*00
	Stickers from n°:	1 to n°: 3200 Batch n°: 1
	Arrival date:	24/06/2025 Testing date: 21/06/2025
Test Site	[OMEGA CHINA]	

Essential Technical Data		
SIZE RANGE	[XS 53-54cm S 55-56cm M 57-58cm L 59-60cm XL 61-62cm XXL 63-64cm]	
SHELL MATERIAL	[ABS]	
WEIGHT	[gr XS-S 1570 ± 50, M 1680 ± 50, L 1690 ± 50 XL-XXL 1750 ± 50]	
RETENTION SYSTEM	[DD-Ring]	
REFLECTIVE BANDS	No	
ENVIRONMENTAL CONDITIONS	Temperature [°C]	[22]

Used Machine	Identifier /Manufacturer	Expiry Date
Tracking point of impact	L4 (AD Engineering)	Daily Check IO 7.2.13
Shock absorption / DLS 9000	L1 (AD Engineering)	[15 July 2025]
Chin strap resistance	L5 (Hototech)	[05 December 2028]
Conditioning chamber: Freezer	L10 (Hototech)	[05 December 2025]
Conditioning chamber: Oven	L9 (Hototech)	[05 December 2025]

The Helmet has been tested in the different configurations as supplied by the client.

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The helmets are divided in n°		9 batches	
Group n°		*Size*	*helmets*
1	The largest size	XXL	10
2	The largest size	XXL	10
3	The largest size	L	10
4	The largest size	L	10
5	The largest size	S	10
6	The largest size	S	10
7	The smallest size	XL	10
8	The smallest size	M	10
9	The smallest size	XS	10

SHOCK ABSORPTION TESTS — Ref. 7.3

Group n°1 — **XXL (63-64)**

Head-form: "62" **Impact Point:** "X" **Anvil:** KERB

Sticker n°	Helmet Internal Id	Cond. [50°C]	Speed 7.65÷7.5 [m/s]	HIC ⩽ 2400	Deceleration ⩽ 275 [g]
000002	25-1723		7.53	975	154
000004	25-1724		7.51	1043	169
000007	25-1725		7.53	1039	174
000009	25-1726		7.53	977	152
000011	25-1727		7.53	1105	205
000014	25-1728		7.53	998	160
000017	25-1729		7.53	993	159
000019	25-1730		7.55	993	161
000021	25-1731		7.53	1001	159
000023	25-1732		7.53	1054	174
Mean of the value				$g_m = \sum g_i / 10$	167
Standard deviation				$S = \left[\sum (g_i - g_m)^2 / 9\right]^{1/2}$	15
Condition				$g_m + 2.4 \cdot S \leq 275$	204

OMEGA

Group n°1		XXL (63-64)			
Head-form:	**"62"**	**Impact Point:**	**"R"**	**Anvil:**	**KERB**
Sticker n°	Helmet Internal Id	Cond. [50°C]	Speed 7.65÷7.5 [m/s]	HIC ⩽ 2400	Deceleration ⩽ 275 [g]
000002	25-1723		7.55	787	119
000004	25-1724		7.53	840	137
000007	25-1725		7.53	821	126
000009	25-1726		7.53	809	117
000011	25-1727		7.53	811	121
000014	25-1728		7.51	817	130
000017	25-1729		7.55	800	120
000019	25-1730		7.53	803	121
000021	25-1731		7.51	796	116
000023	25-1732		7.53	805	122
Mean of the value				$g_m = \sum g_i / 10$	123
Standard deviation				$S = \left[\sum (g_i - g_m)^2 / 9\right]^{1/2}$	6
Condition				$g_m + 2.4 \cdot S \leq 275$	138

Group n°2		XXL (63-64)			
Head-form:	**"62"**	**Impact Point:**	**"B"**	**Anvil:**	**FLAT**
Sticker n°	Helmet Internal Id	Cond. [-10°C]	Speed 7.65÷7.5 [m/s]	HIC ⩽ 2400	Deceleration ⩽ 275 [g]
000026	25-1713		7.53	1158	168
000028	25-1714		7.53	1317	177
000030	25-1715		7.53	1132	161
000032	25-1716		7.51	1279	174
000034	25-1717		7.53	1139	165
000037	25-1718		7.53	1075	159
000039	25-1719		7.53	1051	159
000041	25-1720		7.53	1141	164
000042	25-1721		7.59	1138	154
000044	25-1722		7.51	1081	158
Mean of the value				$g_m = \sum g_i / 10$	164
Standard deviation				$S = \left[\sum (g_i - g_m)^2 / 9\right]^{1/2}$	7
Condition				$g_m + 2.4 \cdot S \leq 275$	181

OMEGA

Group n°2		XXL (63-64)			
Head-form:	**"62"**	**Impact Point:**	**"P"**	**Anvil:**	**FLAT**
Sticker n°	Helmet Internal Id	Cond. [-10°C]	Speed 7.65÷7.5 [m/s]	HIC ⩽ 2400	Deceleration ⩽ 275 [g]
000026	25-1713		7.55	1744	206
000028	25-1714		7.53	1822	213
000030	25-1715		7.53	1836	215
000032	25-1716		7.51	1702	208
000034	25-1717		7.55	1816	210
000037	25-1718		7.53	1869	215
000039	25-1719		7.59	1875	217
000041	25-1720		7.53	1870	216
000042	25-1721		7.53	1934	222
000044	25-1722		7.53	1867	214
Mean of the value				$g_m = \sum g_i / 10$	214
Standard deviation				$S = \left[\sum (g_i - g_m)^2 / 9\right]^{1/2}$	5
Condition				$g_m + 2.4 \cdot S \leq 275$	225

Group n°2		XXL (63-64)			
Head-form:	**"62"**	**Impact Point:**	**"S"**	**Anvil:**	**FLAT**
Sticker n°	Helmet Internal Id	Cond. [-10°C]	Speed 6.15÷6.0 [m/s]	HIC ⩽ 2400	Deceleration ⩽ 275 [g]
000026	25-1713		6.02	294	117
000028	25-1714		6.04	292	102
000030	25-1715		6.01	297	93
000032	25-1716		6.01	290	105
000034	25-1717		6	336	118
000037	25-1718		6	257	92
000039	25-1719		6.02	320	108
000041	25-1720		6.02	303	103
000042	25-1721		6.01	316	109
000044	25-1722		6.02	350	108
Mean of the value				$g_m = \sum g_i / 10$	106
Standard deviation				$S = \left[\sum (g_i - g_m)^2 / 9\right]^{1/2}$	9
Condition				$g_m + 2.4 \cdot S \leq 275$	126

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OMEGA

Group n°3		L (59-60)			
Head-form:	**"60"**	**Impact Point:**	**"X"**	**Anvil:**	**KERB**
Sticker n°	Helmet Internal Id	Cond. [50°C]	Speed 7.65÷7.5 [m/s]	HIC ⩽ 2400	Deceleration ⩽ 275 [g]
000046	25-1743		7.53	1081	176
000048	25-1744		7.53	1213	212
000050	25-1745		7.51	1048	169
000052	25-1746		7.53	1214	215
000054	25-1747		7.53	1024	168
000057	25-1748		7.51	1242	222
000059	25-1749		7.53	1076	175
000061	25-1750		7.53	1172	209
000063	25-1751		7.53	1320	244
000065	25-1752		7.53	1094	182
Mean of the value				$g_m = \sum g_i / 10$	197
Standard deviation				$S = \left[\sum (g_i - g_m)^2 / 9\right]^{1/2}$	26
Condition				$g_m + 2.4 \cdot S \leq 275$	261

Group n°3		L (59-60)			
Head-form:	**"60"**	**Impact Point:**	**"P"**	**Anvil:**	**KERB**
Sticker n°	Helmet Internal Id	Cond. [50°C]	Speed 7.65÷7.5 [m/s]	HIC ⩽ 2400	Deceleration ⩽ 275 [g]
000046	25-1743		7.51	1235	181
000048	25-1744		7.53	1296	190
000050	25-1745		7.51	1230	166
000052	25-1746		7.53	1335	205
000054	25-1747		7.55	1349	214
000057	25-1748		7.53	1292	191
000059	25-1749		7.53	1232	173
000061	25-1750		7.53	1319	213
000063	25-1751		7.53	1310	206
000065	25-1752		7.55	1220	179
Mean of the value				$g_m = \sum g_i / 10$	192
Standard deviation				$S = \left[\sum (g_i - g_m)^2 / 9\right]^{1/2}$	17
Condition				$g_m + 2.4 \cdot S \leq 275$	233

OMEGA

Group n°4			L (59-60)		
Head-form:	**"60"**	**Impact Point:**	**"B"**	**Anvil:**	**FLAT**
Sticker n°	Helmet Internal Id	Cond. [-10°C]	Speed 7.65÷7.5 [m/s]	HIC ⩽ 2400	Deceleration ⩽ 275 [g]
000067	25-1733		7.51	1345	182
000069	25-1734		7.53	1279	176
000071	25-1735		7.51	1303	180
000073	25-1736		7.51	1288	178
000075	25-1737		7.51	1260	180
000077	25-1738		7.51	1362	183
000079	25-1739		7.51	1265	178
000081	25-1740		7.51	1274	177
000083	25-1741		7.51	1268	177
000085	25-1742		7.59	1305	177
Mean of the value				$g_m = \sum g_i / 10$	179
Standard deviation				$S = \left[\sum (g_i - g_m)^2 / 9\right]^{1/2}$	2
Condition				$g_m + 2.4 \cdot S \leq 275$	184

Group n°4			L (59-60)		
Head-form:	**"60"**	**Impact Point:**	**"R"**	**Anvil:**	**FLAT**
Sticker n°	Helmet Internal Id	Cond. [-10°C]	Speed 7.65÷7.5 [m/s]	HIC ⩽ 2400	Deceleration ⩽ 275 [g]
000067	25-1733		7.55	1183	188
000069	25-1734		7.53	1119	160
000071	25-1735		753	1204	178
000073	25-1736		7.53	1079	150
000075	25-1737		7.53	1176	154
000077	25-1738		7.51	1301	167
000079	25-1739		7.53	1247	167
000081	25-1740		7.51	1322	192
000083	25-1741		7.53	1316	197
000085	25-1742		7.53	1386	183
Mean of the value				$g_m = \sum g_i / 10$	174
Standard deviation				$S = \left[\sum (g_i - g_m)^2 / 9\right]^{1/2}$	16
Condition				$g_m + 2.4 \cdot S \leq 275$	213

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Group n°4			L (59-60)		
Head-form:	**"60"**	**Impact Point:**	**"S"**	**Anvil:**	**FLAT**
Sticker n°	Helmet Internal Id	Cond. [-10°C]	Speed 6.15÷6.0 [m/s]	HIC ⩽ 2400	Deceleration ⩽ 275 [g]
000067	25-1733		6.05	372	130
000069	25-1734		6.04	425	133
000071	25-1735		6.04	452	140
000073	25-1736		6.02	413	129
000075	25-1737		6.02	412	138
000077	25-1738		6.02	332	119
000079	25-1739		6.08	219	92
000081	25-1740		6.02	358	121
000083	25-1741		6.05	331	116
000085	25-1742		6.05	231	83
Mean of the value				$g_m = \sum g_i / 10$	120
Standard deviation				$S = \left[\sum (g_i - g_m)^2 / 9\right]^{1/2}$	19
Condition				$g_m + 2.4 \cdot S \leq 275$	166

Group n°5			S (55-56)		
Head-form:	**"54"**	**Impact Point:**	**"B"**	**Anvil:**	**KERB**
Sticker n°	Helmet Internal Id	Cond. [50°C]	Speed 7.65÷7.5 [m/s]	HIC ⩽ 2400	Deceleration ⩽ 275 [g]
000089	25-1763		7.59	830	118
000091	25-1764		7.53	834	120
000093	25-1765		7.51	789	107
000095	25-1766		7.51	771	112
000097	25-1767		7.59	830	122
000099	25-1768		7.56	875	129
000102	25-1769		7.59	840	123
000104	25-1770		7.51	833	126
000106	25-1771		7.59	827	122
000109	25-1772		7.59	839	119
Mean of the value				$g_m = \sum g_i / 10$	120
Standard deviation				$S = \left[\sum (g_i - g_m)^2 / 9\right]^{1/2}$	6
Condition				$g_m + 2.4 \cdot S \leq 275$	135

OMEGA

Group n°5			S (55-56)		
Head-form:	**"54"**	**Impact Point:**	**"R"**	**Anvil:**	**KERB**
Sticker n°	Helmet Internal Id	Cond. [50°C]	Speed 7.65÷7.5 [m/s]	HIC ⩽ 2400	Deceleration ⩽ 275 [g]
000089	25-1763		7.53	975	134
000091	25-1764		7.53	938	132
000093	25-1765		7.53	956	134
000095	25-1766		7.51	992	135
000097	25-1767		7.51	993	134
000099	25-1768		7.51	986	133
000102	25-1769		7.51	970	135
000104	25-1770		7.51	994	134
000106	25-1771		7.59	990	134
000109	25-1772		7.51	963	130
Mean of the value				$g_m = \sum g_i / 10$	134
Standard deviation				$S = \left[\sum (g_i - g_m)^2 / 9\right]^{1/2}$	2
Condition				$g_m + 2.4 \cdot S \leq 275$	137

Group n°6			S (55-56)		
Head-form:	**"54"**	**Impact Point:**	**"X"**	**Anvil:**	**FLAT**
Sticker n°	Helmet Internal Id	Cond. [-10°C]	Speed 7.65÷7.5 [m/s]	HIC ⩽ 2400	Deceleration ⩽ 275 [g]
000111	25-1753		7.51	1530	204
000113	25-1754		7.53	1513	201
000115	25-1755		7.51	1538	202
000117	25-1756		7.55	1489	197
000119	25-1757		7.53	1484	197
000121	25-1758		7.51	1521	199
000123	25-1759		7.55	1500	199
000125	25-1760		7.51	1516	198
000127	25-1761		7.53	1584	208
000129	25-1762		7.55	1514	200
Mean of the value				$g_m = \sum g_i / 10$	201
Standard deviation				$S = \left[\sum (g_i - g_m)^2 / 9\right]^{1/2}$	3
Condition				$g_m + 2.4 \cdot S \leq 275$	209

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Group n°6			S (55-56)		
Head-form:	**"54"**	**Impact Point:**	**"P"**	**Anvil:**	**FLAT**
Sticker n°	Helmet Internal Id	Cond. [-10°C]	Speed 7.65÷7.5 [m/s]	HIC ⩽ 2400	Deceleration ⩽ 275 [g]
000111	25-1753		7.51	2368	249
000113	25-1754		7.53	2277	242
000115	25-1755		7.53	2308	238
000117	25-1756		7.51	2380	253
000119	25-1757		7.51	2271	233
000121	25-1758		7.53	2359	245
000123	25-1759		7.53	2325	238
000125	25-1760		7.59	2280	236
000127	25-1761		7.51	2347	240
000129	25-1762		7.51	2316	235
Mean of the value				$g_m = \sum g_i / 10$	241
Standard deviation				$S = \left[\sum (g_i - g_m)^2 / 9\right]^{1/2}$	6
Condition				$g_m + 2.4 \cdot S \leq 275$	256

Group n°6			S (55-56)		
Head-form:	**"54"**	**Impact Point:**	**"S"**	**Anvil:**	**FLAT**
Sticker n°	Helmet Internal Id	Cond. [-10°C]	Speed 6.15÷6.0 [m/s]	HIC ⩽ 2400	Deceleration ⩽ 275 [g]
000111	25-1753		6	300	108
000113	25-1754		6.04	232	90
000115	25-1755		6.02	244	87
000117	25-1756		6.2	164	71
000119	25-1757		6	363	118
000121	25-1758		6.04	258	94
000123	25-1759		6.01	155	63
000125	25-1760		6.04	345	123
000127	25-1761		6.01	175	79
000129	25-1762		6.02	246	106
Mean of the value				$g_m = \sum g_i / 10$	94
Standard deviation				$S = \left[\sum (g_i - g_m)^2 / 9\right]^{1/2}$	20
Condition				$g_m + 2.4 \cdot S \leq 275$	141

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RETENTION SYSTEM STRENGTH — Ref. 7.6

Group n°7 — **XL (61-62)**

Head-form: **"62"** **Description:** **[DD]**

Sticker n°	Helmet Internal Id	Cond. [°C]		Dynamic Ext. ⩽ 35 [mm]	Residual Ext. ⩽ 25 [mm]
000131	25-1793			30	13.9
000133	25-1794			29.9	13.6
000135	25-1795			31.6	16.2
000137	25-1796			31.1	14.7
000139	25-1797			32.5	16.9
000141	25-1798			31.8	16.5
000143	25-1799			31.9	15.9
000145	25-1800			32.3	16.6
000147	25-1801			32.5	17.2
000150	25-1802			32.7	18.3
Mean of the value			*Xm*	32	16
Standard deviation			*S*	1	1
Condition			*Xm + 2,4·S*	34	20

Group n°8 — **M (57-58)**

Head-form: **"57"** **Description:** **[DD]**

Sticker n°	Helmet Internal Id	Cond. [°C]		Dynamic Ext. ⩽ 35 [mm]	Residual Ext. ⩽ 25 [mm]
000152	25-1783			30.9	16.4
000154	25-1784			28.2	13.7
000156	25-1785			28.5	12.9
000159	25-1786			27.1	12.3
000161	25-1787			26.8	12.8
000163	25-1788			28.5	14
000165	25-1789			27.8	13.6
000167	25-1790			28	13.7
000169	25-1791			28.5	13.4
000171	25-1792			27.8	12.8
Mean of the value			*Xm*	28	14
Standard deviation			*S*	1	1
Condition			*Xm + 2,4·S*	31	16

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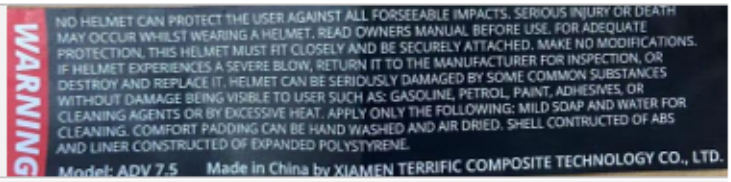
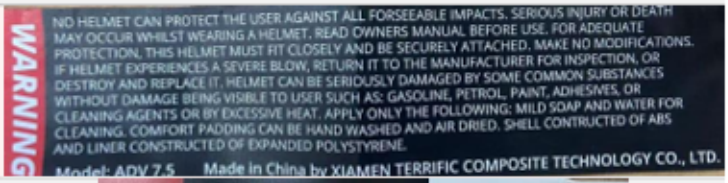
Group n°9			XS (53-54)		
Head-form:	**"54"**	**Description:**	**[DD]**		
Sticker n°	Helmet Internal Id	Cond. [°C]		Dynamic Ext. ⩽ 35 [mm]	Residual Ext. ⩽ 25 [mm]
000173	25-1773			28.5	13.3
000175	25-1774			32.8	22.5
000177	25-1775			28.3	14.8
000176	25-1776			29.1	14.9
000180	25-1777			29.5	15.8
000182	25-1778			33.3	13.9
000182	25-1779			29.1	15
000184	25-1780			27.6	13.7
000186	25-1781			30.2	15.2
000188	25-1782			29.8	16
Mean of the value			*Xm*	30	16
Standard deviation			*S*	2	3
Condition			*Xm + 2,4·S*	34	22

INFORMATION FOR WEARERS — Ref. 14

LABELLING

Ref.	Requirement	Description or image
	Method of Attachment to helmet at point of sale	

14.1	"For adequate protection, this helmet must fit closely and be securely attached. Any helmet that has sustained a violent impact should be replaced"	
	if fitted with a non-protective lower face cover: "Does not protect chin from impacts" together with the symbol indicating the unsuitability of the lower face cover to offer any protection against impacts to the chin.	**NOT APPLICABLE**
14.2	specific warning in the above-mentioned label: " 'Warning' - Do not apply paint, stickers, petrol or other solvents to this helmet".	
14.4	bears a label showing the type or types of visor that have been approved at the manufacturer's request.	

MARKING

Ref.	Requirement	Description or image
	Method of Marking to the helmet	
4.1.1	the applicant's trade name or mark,	
	an indication of the size (in letter and cm)	**See 14.3**
	the year of production	**See 14.4**
	if appropriate, an indication of the unsuitability of the lower face cover to offer any protection against impacts to the chin.	**NOT APPLICABLE**

14.3	protective helmet is clearly marked with its size and its maximum weight, to the nearest 50 grams, as placed on the market.	
ANNEX 2A	The approval number and the production serial number shall be placed close to the circle and either above or below the letter "E" or to the left or right of that letter.	

THE SAMPLES TESTED MEET THE REQUIREMENTS OF THE REFERENCE NORM

Laboratory Technician
(Gao Yaming)

Laboratory Manager
(Kidman Yu)

(Juan Pablo Cuesta)

END OF REPORT

ITALY: Strada Comunale Savonesa n.9 / 15057 Tortona (AL) / Italy / Tel. 0039-0131-860220 / VAT 01828300069
CHINA: Room 103, No.455-3, Second Ring South Road | Tong'an District, Xiamen, Fujian, 361100 | China

VCA JOB NUMER: VCA024347

MANUFACTURER: LEATT

TYPE: ADV 7.5

The undersigned confirms that the tests conducted under the above job number have been carried out in accordance with the requirements of the specified Regulation/Directive and the Licence between OMEGA S.R.L. and VCA relating to type approval testing.

The undersigned has not been involved in any design nor development work on the products to be approved nor, any related product.

SIGNED:

NAME (in capitals): J.P. CUESTA RUIZ
DATE: 10 th June 2025