

HELMET (KASK)





A) Short description (Kısa Açıklama)

- Material - UHMWPE
- Colour – black, foliage, green
- Weight - \pm 5gr. 910-1100 gr
- Ballistic resistance test:
 - ❖ NİJ LEVEL IIIA – 7,62 X 39 MSC
 - ❖ STANAG 2920 1,10 gr Sharapnel V50 value: 1000 Min m/s

Test report

Laboratory for Ballistics
Research (LBR)

Experiment according to **Multihit**
Class **EGD-048901.01A Helmet
deformation test level IIIA**

Subject
Ballistic experiments
15OD00272
Datum
23-11-2015
Reference

Sample references **YC-234-5;**
YC-234-6.

1

For details see page 2 upto 8

Sample 15SA02324 (YC- 234-5) was tested with 5 shots 9x19 Ball (L9MM2) projectiles and Sample 15SA02325 (YC-234-6) with 5 shots .44 SWC projectiles with an impact velocity between 427 and 442 m/s according to 'HPW-TP-0401.01B' level IIIA'. All impacts were stopped

Test report number 15REP0000511
Assignor

Test specifications

Experimental facility : TNO, LBR, Small Calibre Firing Range KKW 3
- Ambient temperature : 20 °C
- Humidity : 55 %

Ballistic specifications

Weapon : SVB
- Barrel length : 600 mm
- Rifling twist : 1 : 450 mm
Projectile : .44 SWC (nr. 4660)
- Weight : 15,6 g
- Calibre : 11,18
- Manufacturer : CCI-Speer
Shot angle experiment : 0 °NATO
Shooting distance : 5.8 m

2

Other specifications

Contract number : 060.18209/01.03.01
Backing : Roma No 1



SAVORAS Savunma Teknoloji İnovasyon Danışmanlık Sanayi ve Ticaret A.Ş.

B) Delivery conditions (Teslim şartları)

- Delivery in 7-12 days

C) Quantity in stock (Stoktaki Miktar)

- 15 000 pieces

D) Ready for shipment (Sevkiyat için hazır)

- İmmEDIATELY

E) Price (Fiyat)

- 125 USA dollar (Warsaw/POLAND Delivery)

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Test report

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Research (LBR)

Experiment according to **Multihit**
Class **EGD-048901.01A Helmet
deformation test level IIIA**

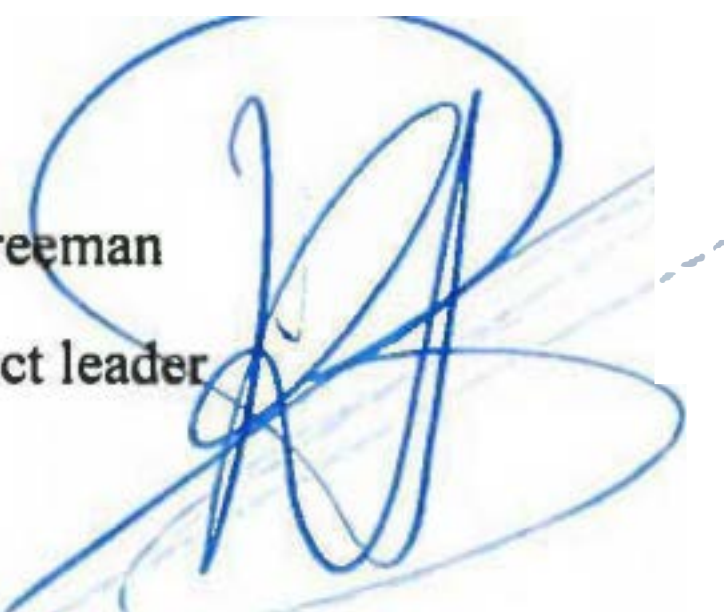
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All impacts were stopped

K. Breeman
Project leader



Description test method

In order to determine the ballistic performance of a helmet several experiments are performed. In this way the amount of protection afforded by the test helmet is measured for the threat considered. The helmet is fixed on a headform with channels filled with clay and tested to determine the indentation in the clay and evaluated for the maximum allowed.

Experiment specifications

Experiment No. : 15MB01987

Experiment date : 09-10-2015

Conditioning of sample materials

Conditioning temperature : 15,0 - 25,0 °C

Conditioning humidity : 30,0 - 90,0 %

Minimum conditioning time : 10,0 hr

Shot results

15SC01857		Multihit - 9x19 Ball (L9MM2)			
Shot	Valid	Impact velocity[m/s]	Indent depth[mm]	Remarks with shot	Stop / Perforation
KKW3 15SN02053	Yes	439	16	Crown shot	Stopped
KKW3 15SN02054	Yes	432	19	Front shot	Stopped
KKW3 15SN02055	Yes	440	11	Back shot	Stopped
KKW3 15SN02056	Yes	436	9	Left Side shot	Stopped
KKW3 15SN02057	Yes	439	11	Right Side shot	Stopped

Sample composition specifications

Sample composition No. : 15SC01857

Layer	Sample No.	Customer Sample reference
1	15SA02324	YC-234-5

Sample specifications

Sample No.	Customer reference	Arrival	Size	Weight	Areal mass
15SA02324	YC-234-5	09-10-2015		1364 g	

*) HELMET PASGT-L Multi Layer aramid fabric

*All specification of the materials are provided by the assignor

Test report number 15REP0000511
Assignor

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Test specifications

Experimental facility : TNO, LBR, Small Calibre Firing Range KKW 3
- Ambient temperature : 20 °C
- Humidity : 57 %

Ballistic specifications

Weapon : SVB
- Barrel length : 665 mm
- Rifling twist : 1 : 250 mm
Projectile : 9x19 Ball (L9MM2)
- Weight : 8,04 g
- Calibre : 9
- Manufacturer : Remington Arms
Shooting distance : 5.8 m
Shot angle experiment : 0 °NATO

Other specifications

Contract number : 060.18209/01.03.01
Backing : Roma No 1

Experiment specifications

Experiment No. : 15MB01988

Experiment date : 09-10-2015

Conditioning of sample materials

Conditioning temperature : 15,0 - 25,0 °C

Conditioning humidity : 30,0 - 90,0 %

Minimum conditioning time : 10,0 hr

Shot results

15SC01858		Multihit - .44 SWC (nr. 4660)			
Shot	Valid	Impact velocity[m/s]	Indent depth[mm]	Remarks with shot	Stop / Perforation
KKW3 15SN02065	Yes	429	25	Crown shot	Stopped
KKW3 15SN02066	Yes	439	26	Front shot	Stopped
KKW3 15SN02067	Yes	431	29	Back shot	Stopped
KKW3 15SN02068	Yes	435	28	Left Side shot	Stopped
KKW3 15SN02069	Yes	428	24	Right Side shot	Stopped

Sample composition specifications

Sample composition No. : 15SC01858

Layer	Sample No.	Customer Sample reference
1	15SA02325	YC -234-6

Sample specifications

Sample No.	Customer reference	Arrival	Size	Weight	Areal mass
15SA02325	YC-234-6	09-10-2015		1337 g	

*) HELMET PASGT-L Multi Layer aramid fabric

*All specification of the materials are provided by the assignor

Test report number 15REP0000511
Assignor

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Test specifications

Experimental facility : TNO, LBR, Small Calibre Firing Range KKW 3
- Ambient temperature : 20 °C
- Humidity : 55 %

Ballistic specifications

Weapon : SVB
- Barrel length : 600 mm
- Rifling twist : 1 : 450 mm
Projectile : .44 SWC (nr. 4660)
- Weight : 15,6 g
- Calibre : 11,18
- Manufacturer : CCI-Speer
Shot angle experiment : 0 °NATO
Shooting distance : 5.8 m

Other specifications

Contract number : 060.18209/01.03.01
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Photos



Front-Right, Sample 15SA02324 after test 15MB01987



Back-Left, Sample 15SA02324 after test 15MB01987



Inside, Sample 15SA02324 after test 15MB01987



Front-Right, Sample 15SA02325 after test 15MB01988



Back-Left, Sample 15SA02325 after test 15MB01988



Inside, Sample 15SA02325 after test 15MB01988