

## VIPER 3

SIDE RAILS  
SHROUD BASE  
RATCHET DIAL SYSTEM (RD)



VIPER 3

The VIPER 3 helmet is the latest version of the ACH (Advanced Combat Helmet) which is very popular with Special Forces, Militaries and Law Enforcement Units due to its advanced comfort and flexibility in extreme conditions. This latest version is fitted with a 7-pad suspension system and our RD (Ratchet Dial) 4 point quick adjust harness, with the ability to take side Rails and shrouds.

The RD (Ratchet Dial) system hugely improves the rotational stability of the helmet onto the head, which is important for mounted NVG's. The operator can easily adjust the tension of the anti rotation wires by means of a dial which controls the circumferential straps of the harness from the back of the head.

QA Harness: The VIPER helmets have four quick adjust buckles that make the strap tensions on the helmet easy to adjust for the wearer while the helmet is on the head. Harness Options: Leather chin strap, Plastic chin cup, Cotton chin strap

The shroud is manufactured from high impact composite nylon with aircraft aluminium CNC machined insert that the shroud bracket mounts onto. This insures very tight dimensional tolerances, which stabilizes the shroud.

The rails are designed and manufactured from high impact composite nylon which takes a large variety of other accessories.

### RAIL FITTINGS



Picatinny rails, General Purpose Mounts and Goggle Mounting Clips

### OPTIONAL EXTRAS

- Neck Protector, NIJ Level IIIA
- Helmet Covers & Helmet Bags
- Helmet Velcro kit & Bungees
- Visors (Fragmentation & Ballistic) & Visor covers

### COLOUR OPTIONS

Black, Navy, Olive Drab, Desert Tan, Coyote, UN Blue

### HELMET SIZES

Small	Medium	Large	X Large
51 - 55 cm	54 - 59 cm	57 - 62 cm	60 - 64 cm

### FRAGMENT V50 VELOCITIES

Ballistic Level	Fragment Threats MIL STD 662	Zebra Protection F7 Ballistic Limit Ft/sec	Required Ballistic Limit as per standard Ft/sec
F7	2-grains RCC	4550	4200
	4-grains RCC	3475	2475
	16-grains RCC	2550	2475
	64-grains RCC	1900	1775

### BALLISTIC PERFORMANCE

Helmet Ballistic Level	NIJ Level	Frag. Velocity (17g) FSP V50		Bullets	Weight (Grains)	Max Bullet Velocity	
		m/s	ft/s			m/s	ft/s
L4	IIA	520	1705	9mm FMJ RN	124	355	1165
				.40 S&W	180	325	1065
				9mm CMJ RN	124	436	1430
L5	IIA	550	1804	9mm FMJ RN	124	400	1310
				.357 Magnum JSP Plus all above bullets	158	436	1430
L6	IIIA	580	1902	9mm FMJ RN	124	436	1430
				.44 Magnum JSP Plus all above bullets	240	436	1430
U6	IIIA	600	1968	9mm FMJ RN	124	436	1430
				.44 Magnum JSP Plus all above bullets	240	436	1430
M6	IIIA	620	2034	9mm FMJ RN	124	436	1430
				.44 Magnum JSP Plus all above bullets	240	436	1430
E6	IIIA	630	2067	9mm GECO	123	410	1345
				.44 Magnum SWC-GC	240	441	1450
				.357 Magnum JSP Rem Plus all above bullets	158	440	1445
F6	IIIA	680	2230	.44 Magnum SWC-GC	240	441	1450
				.357 SIG FMJ FN	125	448	1470
				7.62 X 25 Tokarev Lead	85	450	555
				9mm FMJ Rem* .357 GECO MP Plus all above bullets	124 158	441 390	1450 1280
F7	IIIA	735	2410	Plus all above bullets			

\*Testings NIJ 0106.01 but threats used from as per NIJ 0101.04 & NIJ 0101.06

\*Fragmentation velocities according to STANAG 2920

All products are manufactured in our own factory in Durban, South Africa with ISO9001:2015 Quality Assurance

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