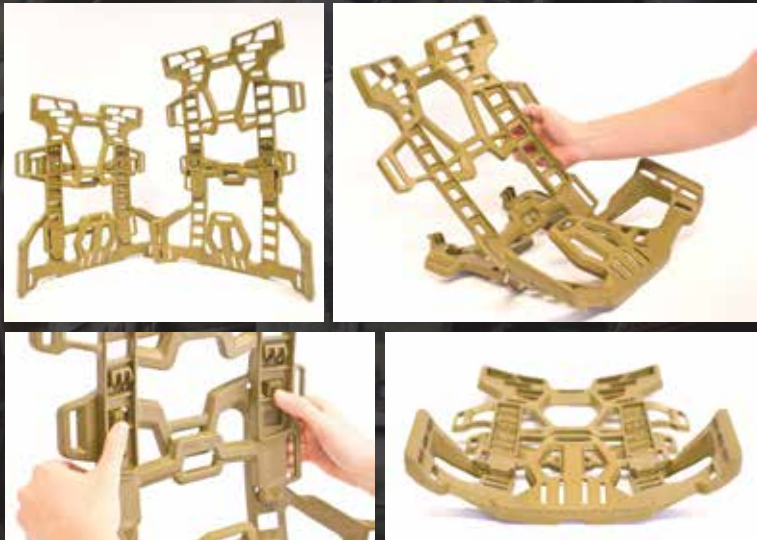


ONE 299



ONE299 ADJUSTABLE PACK FRAME

OVERVIEW

Over recent years, the profile of the warfighter has changed to include a larger contingent of female service women, as well as a broader size demographic of personnel. In response to this evolution the ONE299 frame was developed – an adjustable backpack frame that accommodates the smallest 1 percentile user to the largest 99 percentile – and everyone in between by using five easily adjustable configurations. The frame is rigid in areas to provide a strong platform for large loads whilst designed to allow torsional movements in areas increasing comfort on long marches.

FEATURES

- Provides 115 mm of vertical adjustability (413 to 528 mm total height)
- 5 size configurations
- Accommodates the 1st to 99th percentile user
- Total weight of 860 grams/ 1.9lb
- Secure release system
- Multiple pack mounting slots on frame to ingrate with COTS/ MOTS solutions
- Patented Lumbar Support for increased comfort and standoff.
- Integrates with plate carrier allowing back pack to fit within the standoff cavity
- Moulded polymer construction for strength
- Environmental stabilises

FRAME UPPER

Part Number: 22Z182MU
NSN: 8465-66-163-0153

FRAME LOWER

Part Number: 22Z183MU
NSN: 8465-66-163-0154

Test results of large frame size	Load	Rm temp 25° C	Elevated temp 60° C
Torsional Load Testing	2.5kg	< 25° Angular Deflection	
Forward Load Testing	10kg	< 160mm Horizontal Deflection	170mm Horizontal Deflection
Vertical Load Testing	240kg	No Buckling	No Buckling
Material	PC+PBT		
Weight	Upper	420 grams	
	Lower	465 grams	
Width	[ALL]	371	
Heigh	XS / S / M / L / XL	415 / 445 / 475 / 505 / 535	

Composition: Polycarbonate/ Polybutylene Terephthalate (PBT)