

24-JAN-2020



## Patten Ultra-Lightweight Single Seat Liferaft (ULWSSLR)



Using modern materials and a contemporary design approach, the Patten ULWSSLR is designed to be a direct replacement for aging single-place rafts deployed in fast jet and ejection seat equipment roles.

By paying attention to industry and military end-user voices, ULWSSLR breaks the rules to give the war fighter room for additional packed equipment and is even lighter than other Patten developmental designs.

### Standard Features:

- Raft Performance based on MIL-PRF-81542D(1)-Rev. 10-OCT-2019
- 7 oz/sqyd Polyurethane Coated Nylon Main Construction (Sea Blue)
- 3.5 oz/sqyd Polyurethane Coated Nylon Canopy (Sea Blue)
- Inflatable Full Canopy w/Clear Visor, Closures & Snaps
- Inflatable or Single Layer Floor
- Righting Strap
- Boarding Handles
- Bailer
- Equipment Container Attachment
- Light Attachment
- Strobe Light Pocket
- Radio Beacon Pocket
- Lanyard Pocket
- Sea Anchor Stowage & Attachment
- Ballast Bags

### Included and Optional Equipment:

- |  |   |
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| <ul style="list-style-type: none"> <li>9-01-022</li> <li>3-10-031</li> <li>2-10-xxx</li> <li>2-00-xxx</li> </ul> | <ul style="list-style-type: none"> <li>Nylon Ripstop Sea Anchor Light, Water Activated, #TSOC85A with 92" lead</li> <li>Manual Inflator Assembly (Hammar MA1 x2) Cylinder, Co2, Zero Leak Cartridge (x2)</li> </ul> |
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**Critical Feature Comparison**

	Patten LWSSLR	Patten SSLR	LRU-16/P	LRU-23/P
Manufacturers Part #	9-01-200	9-01-201	9-01-003	40154001, 40061001, 40154002
NSN	TBD	TBD	4220-01-003-6763	4220-99-352-4975
Nomenclature	LWSSLR	SSLR	LRU-16/P	LRU-23P
Volume (Packed)(in^3)	††382 cubic inches (Threshold Goal) 267 cubic inches (Objective Goal)	510 cubic inches (Threshold Goal) 332 cubic inches (Objective Goal)	714 cubic inches	612 cubic inches
Full Configuration Weight (lbs) w/o Inflation System	4.03	4.6	5.78	5.27
Full Configuration Weight (kg) w/o Inflation System	1.83	2.09	2.62	2.39
Weight Reduction (compared to LRU-23/P)	-24%	-13%	10%	0%
Material	Light Weight Single sided polyurethane coated fabric	Single sided polyurethane coated fabric (MIL-C-83489)	Single sided polyurethane coated fabric (MIL-C-83489)	Single sided polyurethane coated fabric (MIL-C-83489)
Method of Construction	Radio Frequency Welded (RF), adhesive (5% non-air holding), and sewing	Radio Frequency Welded (RF), adhesive (5% non-air holding), and sewing	RF, adhesive (40%), and sewing	RF, adhesive, and sewing
Inflation System	Mirada Series 1000 Hammar MA-1 & Variants	Mirada Series 1000 SEI M-100 Hammar MA-1 & Variants FLU-2A/P (DEPRECATED †)	FLU-2A/P (DEPRECATED †)	FLU-6/P (DEPRECATED †)
Dimensions (Packed)	††20" x 12.75" x 1.5"(Threshold Goal) 17" x 15.75" x 1" (Objective Goal)	12" x 17" x 2-1/2" (Threshold Goal) 12" x 17" x 1-5/8" (Objective Goal)	12" x 17" x 3.5"	12" x 17" x 3"
Dimensions (Inflated)	Approx. 61-3/4"L x 39-1/4"W	61-3/4"L x 39-1/4"W	70"L X 36"W X 50"H	61-3/4"L X 38-1/2"W X 35-1/8"H
Specifications	NEW MARKET Based on MIL-PRF-81542D(1) Rev. 10-OCT-2019	Exceeds MIL-L-83491A	MIL-L-83491A	Proprietary information
† FLU-2A/P and FLU-6/P are not recommended for new construction and MS29599 Inlet Check Valve is deprecated by Notice 2, dated 30-JUL-1997				
†† Air Warrior Over-Water Gear Carrier (OWGC) - MIL-PRF-81542D(1) JUL 2019				

**About Patten Company**

Patten Co., Inc. (“Patten”) is the industry leader in the design and manufacture of life rafts for U.S. and international militaries. Patten has manufactured Berry Amendment-compliant lifesaving equipment since the 1940s and has not been without a U.S. Department of Defense (DoD) contract since 1947.

Patten is 100% U.S. owned and a certified Small Business. It was acquired by California-based Wing Group (“Wing”) in 2018. Wing is a leader in inflatable boats, life rafts, flotation, dry suits and other survival solutions for recreational, commercial and military customers. Wing’s portfolio companies bring over 200 years combined experience solving complex challenges from the world’s most demanding marine and aviation customers.