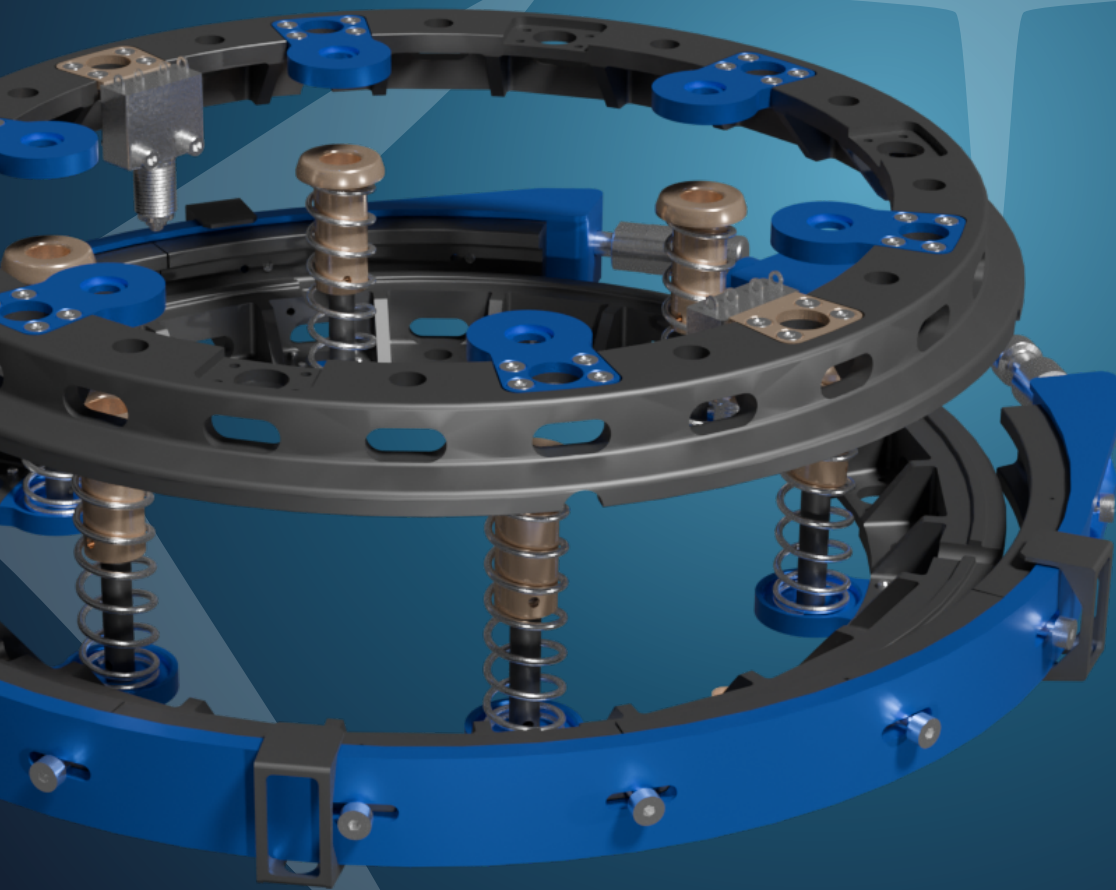




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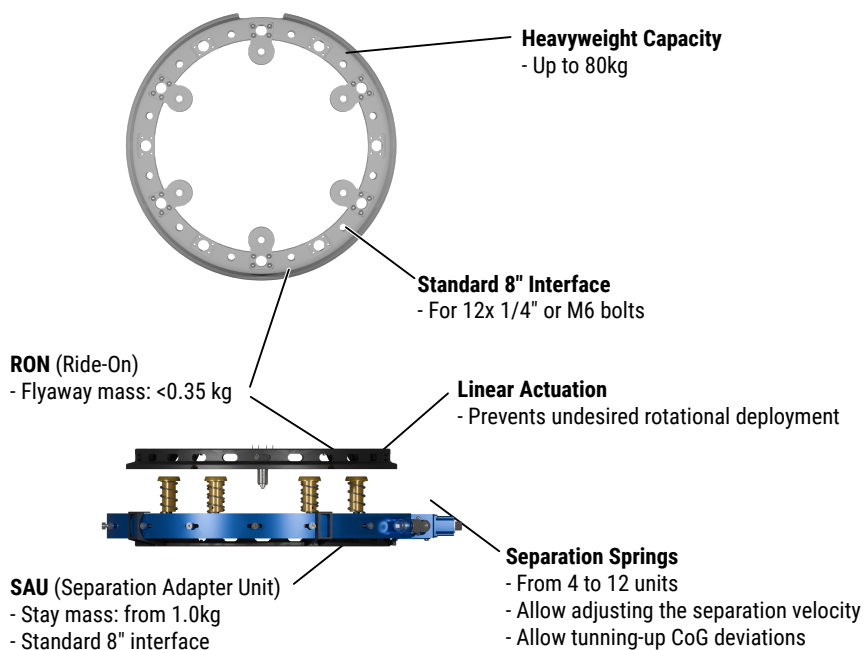
S&U&RON 8

Separation Adapter Unit & Ride On



Product Quick Specs
Version B-rev1
June 20, 2025

Your ride in Space.



- **Exceptional Stiffness:** Our clamp-band design offers superior stiffness compared to competitors, ensuring robust and reliable satellite support.
- **High Capacity:** Designed for ultimate mission versatility, this system supports satellites up to 80 kg across a wide range of CoG locations, for the most demanding requirements.
- **Configurable Separation Units:** Customize the number of separation units to achieve the desired deployment velocity, adapting to specific mission needs.
- **Extensive Umbilical Connectors:** Accommodates up to 4 umbilical connectors, each with 15 pins, offering an unmatched number of connection points for data and power.
- **Versatile Deployment Initiator:** Comes equipped with our proprietary deployment initiator by default but can also be integrated with Glenair's initiators, providing flexibility in your deployment strategy.

TECHNICAL SPECIFICATIONS

Product name	SAU&RON 8" - Separation Adapter Unit & Ride-On 8-in
Mechanical interface	
Total mass (without i/f screws and harness)	Starting from < 1.4kg
Ride-On mass (flyaway)	< 0.35 kg
Rocket and spacecraft side ring interfaces	Ø 8" interface for 12x 1/4" bolts (or 12x M6)
Actuation response time	< 100 ms
Stack height	36 mm
Payload capacity	Up to 80kg (limited by CoG height)
Stiffness (axial)	3.95E+9 N/m
Stiffness (flexural)	7.04E+7 Nm/rad
Unitary spring energy	0.1 to 3.0 J (customizable to user needs)
Separation velocity	Customizable from 0.1 m/s to 0.9 m/s (mass dependant)
Electrical interface	
Actuator type and voltage	Proprietary or 3rd-party (Glenair), 28V ± 4V @ 3A (typical)
Release signal	~ 1,000 ms
Data / Power / Grounding interface	Up to 4 connectors (15-pin, negative insertion force)

The Ultimate Solution for Heavy Satellite Launches and Deployment

Combining unparalleled stiffness, high capacity, and extensive customization options for mission success.



UARX⁺

Rúa do Labrego, 4, Building 1A
36350, Nigrán
Pontevedra, Spain
+[34] 986 126 389

E-mail: contact@uarx.com
Web: www.uarx.com

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