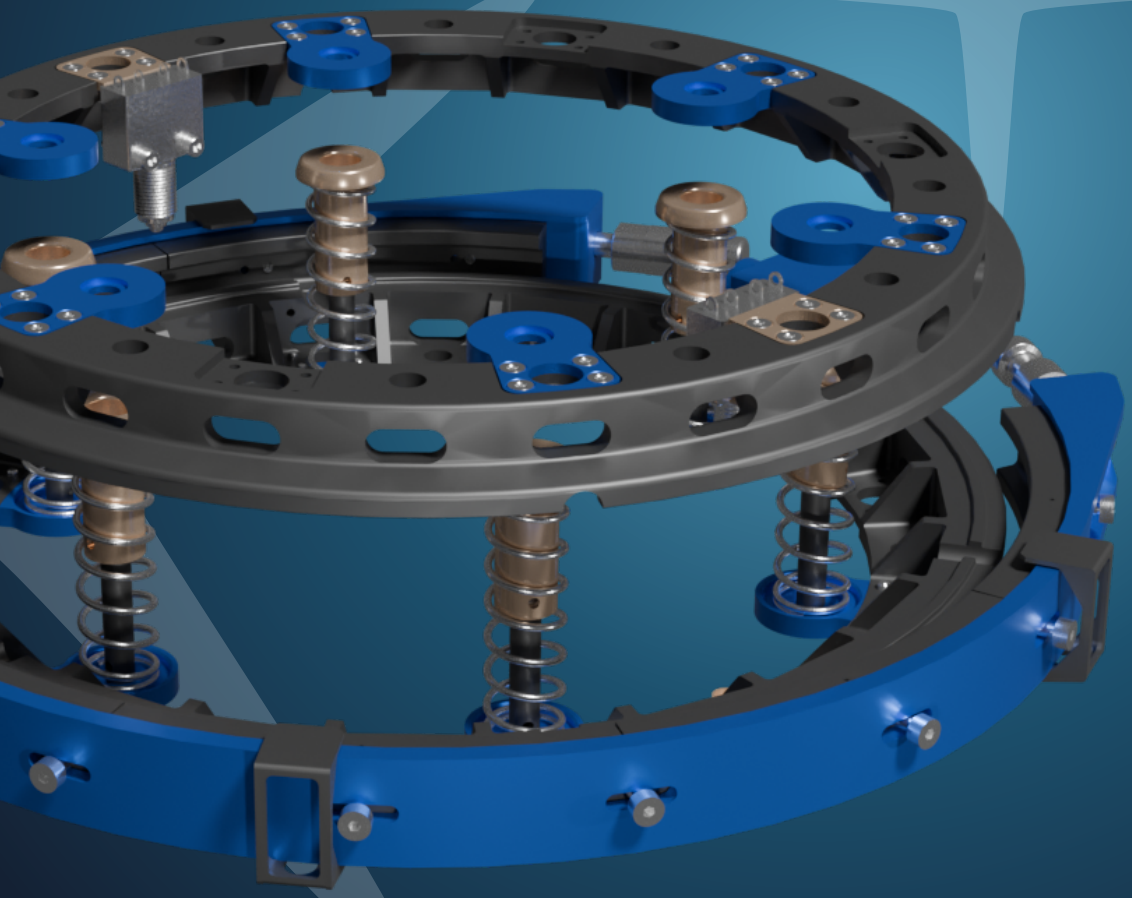
www.uarx.com

SAU&RON 8

Separation Adapter Unit & Ride On



Product Quick Specs

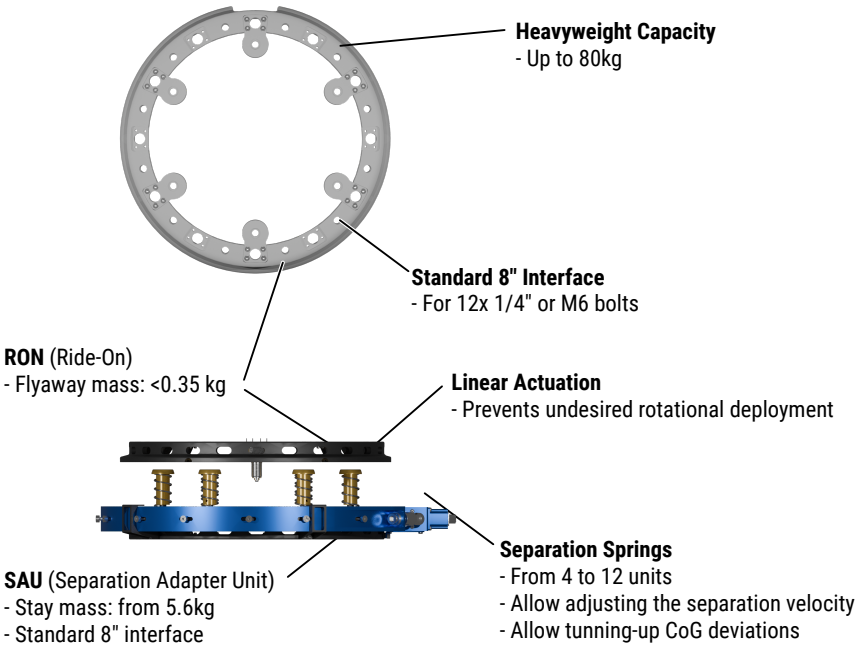
Version B

June 20, 2025

Your ride in Space.

SAU&RON 8
Separation Adapter Unit & Ride On

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.

The Ultimate Solution for Heavy Satellite Launches and Deployment

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

ITAR free — MADE IN EU

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 foce)

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

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

Disclaimer: The information contained herein is subject to change without notice. The only warranties for UARX Space products and services are outlined in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. UARX Space shall not be liable for technical or editorial errors or omissions contained herein. Image may differ from the actual product.

UARX is a registered trademark of UARX Space, S.L. in Spain and other countries.

© Copyright 2025 - UARX Space, S.L.