

## Item Requirements

○ Article Name: Profiled Ring Frame for 1<sup>st</sup> State Propellant Tank Y-ring of KSLV-II

○ Type and Quantity

No.	Alloy	Temper	AMS Spec. (Form Designation)	size(mm) (O.D. x I.D. x H)	Q'ty
1	Al2219	T851	AMS 4144	3,587 x 3,249 x 340	10

※ AMS: Aerospace Material Specification

- Refer the attachment for the required cross section and dimension

○ Important Note

- If manufacturer would like to suggest another cross section configuration and dimension instead of the cross section designated in the attached drawing, the manufacturer should notify and discuss it with KARI before bidding closing day. It can affect the final machining process of procured ring frame.
- There must be no problem during machining the frames due to inappropriate stress relief process of ring frame manufacturing.
- If there happens a problem during machining, all rigs will be rejected.

○ Manufacturing Process: Rolled rough machined including residual stress relief

○ Inspection: EN 10201 3.1

○ Delivery Date: Within October 31, 2018

○ Requirement: Direct Contract with Manufacturer required.

○ Delivery Item

- Aluminium profiled ring frame described in the above table
- Material Inspection Sheet (Chemical composition and strength evaluation)
- Include Ultrasonic inspection sheet (Class A)
- Including a Dummy Material for the tensile stress test
- Commercial Packing
- Measuring inner and outer diameter before and after T851 heat treatment
- submitting Inspection sheet