



# TAM International Incorporated

## Specifications of Grooving Details of Seal Taper for Inflatable Elements

**ES-7.3-02**

Approval of Document <b>ES-7.3-02</b>	
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	<u>Jan. 20, 2020</u> (Date)


 <b>TAM INTERNATIONAL</b>	Document Title	<i>Specifications of Grooving Details of Seal Taper for Inflatable Elements</i>				
	Document No.	ES-7.3-02	Rev	B	Page	1 OF 4
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### Table of Contents

1	PURPOSE AND SCOPE .....	3
2	STATUS AND RECORD .....	3
3	STANDARD DESIGN AND MACHINING .....	3
4	APPENDICES .....	3
5	DOCUMENT REVISION .....	3

Controlled Document

 <b>TAM INTERNATIONAL</b>	<b>Document Title</b>	<i>Specifications of Grooving Details of Seal Taper for Inflatable Elements</i>				
	<b>Document No.</b>	ES-7.3-02	<b>Rev</b>	<b>B</b>	<b>Page</b>	2 OF 4
	CAUTION: Check for latest revision of this document before use. Information contained in copied or printed material may be superseded.					

## 1 PURPOSE AND SCOPE

- 1.1 These specifications define the standard grooving details for seal taper of inflatable elements.

## 2 STATUS AND RECORD

- 2.1 Changes in these specifications shall be documented in accordance with EI-7.3-03 Instructions for the Control of Engineering Drawings.

## 3 STANDARD DESIGN AND MACHINING

- 3.1 All inflatable elements which have a separate bladder from the carcass of the element shall be designed with a seal taper as per the dimensions and tolerances specified in Appendix 1.
- 3.2 All drawings of inflatable packer end connections shall include a reference to this specification.
- 3.3 Machining of the seal taper of an inflatable element for improvement of bladder sealing efficiency shall be performed in accordance with the dimensions shown in Appendix 1.  
**All grooves per Appendix 1 must be machined with a sharp grooving insert. Grooves on end connections under 7" OD must be machined between 100 and 150 SFM and .002/.005 feed rate. All grooves must retain sharp corners of thread.**
- 3.4 All machined end connections shall be inspected for verification of adherence to these specifications.


## 4 APPENDICES

*Click on the link below to view the drawing associated with this document:*

[ES-7.3-02 Appendix 1 Rev. D](#)

## 5 DOCUMENT REVISION


Document revisions will be handled in accordance with SOP-009 Document Control.

 <p><b>TAM INTERNATIONAL</b></p>	Document Title	<i>Specifications of Grooving Details of Seal Taper for Inflatable Elements</i>				
	Document No.	ES-7.3-02	Rev	B	Page	3 OF 4
	CAUTION: Check for latest revision of this document before use. Information contained in copied or printed material may be superseded.					



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Rev	Date	Description	Prepared By:	Reviewed By /	Date
A	12/13/04	New Document	Brett Guillory	B. Guillory	1/10/05
B	1/16/20	Update document to current standards	Skyler Baxter	S. Baxter, L. Garcia, G. Fletcher	1/16/2020

 <b>TAM INTERNATIONAL</b>	Document Title	<i>Specifications of Grooving Details of Seal Taper for Inflatable Elements</i>				
	Document No.	ES-7.3-02	Rev	B	Page	4 OF 4
	CAUTION: Check for latest revision of this document before use. Information contained in copied or printed material may be superseded.					