

TECHNICAL SPECIFICATION

No. TS200™

QUALIFIED MANUFACTURERS FOR
SAE ITC AEROSPACE INDUSTRY STANDARD PARTS
(AS, AGS AND ESC SERIES)

ASPQP™

Aerospace Standards Part Qualification Program

A Program of SAE ITC

RATIONALE

TS200 Issue 45

For full details of change, refer to supplementary SAE ITC Amendment Record document TS200-AR

To place a document order:

Tel from USA & Canada : 877 606 7323
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SAE INDUSTRY TECHNOLOGIES CONSORTIA AEROSPACE STANDARDS AND PART QUALIFICATION PROGRAM

FOREWORD

On the 1st January 2015 the SAE Industry Technologies Consortia (SAE ITC) acquired the ADS Aerospace Standards, previously known as the Society of British Aerospace Companies (SBAC) Aerospace Standards. The SAE ITC established in 2003 operates as a trade association as part of the SAE International Enterprise, providing a unique framework serving the automotive, aerospace and commercial vehicle sectors. Clients include private companies, government agencies, individuals and trade associations. Building consensus and breakthrough barriers to achieve solutions, and the ways by which those solutions take shape are tailored to each client's individual needs.

The legal obligations and copyright authority of all Aerospace Standards that were issued by the ADS Group Limited are therefore assigned / transferred to the SAE ITC.

These Standards are produced by the SAE ITC with the assistance of, and for the benefit of the Aerospace Industry, as part of a continuous programme of Standardisation for Aerospace application under the control of the Technical Standards Committee (TSC) of the SAE ITC.

SAE ITC Standards are published as part of the series of SAE ITC Aerospace Industry Standards, and where appropriate, additional manufacturing and inspection requirements are issued as Reference Sheets (RS) or Technical Specifications (TS). It is the responsibility of those using or specifying a Standard to ensure the product, process, or manufacturer so used or specified, is appropriate for the task or role in question. The SAE ITC wishes to draw special attention to the fact Technical Specifications (TS) include testing and procedures by which a user or Design Authority can establish whether a particular manufacturer, *prima facie*, has the capability to produce hardware in accordance with the appropriate standards and related specifications.

The SAE ITC, its servants, or representatives accept no responsibility for the continued quality of hardware items produced against the relevant drawings and specifications; this responsibility remains with the user.

Whilst the SAE ITC takes all reasonable care in the preparation of its Standards, neither the SAE ITC, its officers, employees, servants, agents or representatives, shall have any responsibility or liability whatsoever with respect to any act or omission (whether negligent or not) of whatsoever nature, or in connection with the preparation of the Standards or any part thereof. These responsibilities are those of the user or Design Authority. Users of SAE ITC Standards agree that any such liability on the part of the SAE ITC is excluded to the maximum extent permitted by law. SAE ITC Standards may be changed from time to time, and both users and manufacturers of these parts should ensure they are in possession of the latest issue of the Standards and supporting documentation before adoption or the commencement of production.

It is recommended that Technical Specification TS260, Metallic Materials List of Alternative Material Standards, be consulted prior to manufacture of SAE ITC products.

Each Standard is a facsimile or electronic reproduction of a master drawing, and therefore, any outline view scales stated are not necessarily reproduced accurately. A Master Index of all SAE ITC Aerospace Standards is published separately on the SAE ITC website.

All references to Standards include reference to RS and TS publications.

Details of this and any further information can be obtained from the SAE ITC.

SAE Industry Technologies Consortia provides that "This standard is published by SAE ITC to advance the state of technical and engineering sciences. The use of this standard is entirely voluntary and its applicability and suitability for any particular use, including any patent infringement, is the sole responsibility of the user."

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Scope

This TS covers those manufacturers or value-added distributors that are currently qualified to manufacture ASPQP standard products where qualification is a requirement of the standards drawing.

This copy of TS200 shall remain at this issue whilst the content that will be displayed as a live document <https://ts200.sae-itc.org/> shall be updated as new qualifications are added or old ones removed.

Only if the information on pages 1 to 4, requires amendment, will the document be raised in issue.

For all current Qualified Manufacturers List / Qualified Products List (QPL) refer to <https://ts200.sae-itc.org/>

For previously Qualified Manufacturers please refer to TS200 issue 44.

Note:

- It is the Manufacturers responsibility to ensure that products are or have been manufactured within a period of qualification.
- It is the user/distributors responsibility to ensure products are or have been manufactured by a qualified manufacturer within a period of qualification.

MANUFACTURE & SUPPLY OF SAE ITC AGS & AS SERIES STANDARD PRODUCT RANGES

AGS and AS series standard parts shall be manufactured to the relevant drawing(s) and specification(s) called up on said drawing(s).

Manufacturers of AGS and AS standard products that mandate qualification shall be referenced in on the SAE ITC, Engine and Airframe Standards website, <http://eatsc.saeitc.org/>. The qualification procedure defined in TS202 shall apply. Potential manufacturers requiring product qualifications can apply to SAE ITC TSC using Qual Form 1, is also available on the Engine and Airframe Standards website, <http://eatsc.saeitc.org/>.

A small number of the AGS and AS series product ranges that do not require qualification approval do instruct TS200 or TS202. These products are simple to manufacture and can be controlled adequately by the product standard definition. Formal SAE ITC approval is not required for these items but manufacturers shall adhere to the product drawing(s) and any specifications referenced.

All manufacturers of SAE ITC standard products shall adhere to recognised quality procedures and specifications as defined in the BS AS EN ISO 9000 series standards or equivalent.

If in doubt consult the SAE ITC Technical Standards Committee (TSC).

STATEMENT ON AGS4719, AGS4720 & AS46788 - 791 RIVETS

The Technical Standards Committee shall withdraw product standards AGS4719, AGS4720 and AS46788 - 791 as there are currently no manufacturers capable of or willing to produce qualified products that fully meet the technical and performance requirements of those standards.

New standards, AS64400 to AS64405, and specifications have been issued to reflect products that are similar to, but not equivalent to, the AGS4719, AGS4720, and AS46788 – 791 products in Form, Fit & Function. A Cancellation Reference Sheet, RS750, is available to provide background to and detail of related documents and the course of action taken. This Reference Sheet is available, at no cost, on the SAE ITC Technical Standards webpage.

The TSC can no longer grant approval to Textron Fastening Systems as they can no longer manufacture products to meet all requirements of AGS4719, AGS4720 and AS46788 – 791. TFS qualification for those product series was rescinded at the end of May 2007, the expiry date of their qualification certificate. Stock manufactured prior to that date shall remain qualified.



NOTES

These notes relate to aspects of the data contained within the following sections. The notes are divided into three sections that describe **Symbols Used**, **Manufacturers' Former Names** and **Agents for Manufacturers**. The sections and names of manufacturers appear in bold type to aid location of information.

Symbols Used

1. * Indicates that the manufacturer does not produce this item.
2. † Indicates that the manufacturer has ceased trading.
3. ‡ Indicates that there are no qualified manufacturers for this product.
Supplementary information may be provided on relevant page.

















Manufacturers' Former Names

1. **Arconic Fastening Systems, Leicester UK, T/A Linread Limited** was formerly **Linread-Northbridge** was formerly **Northbridge Fasteners**
2. **Arconic Fastening Systems/Toulouse Operations** was formerly **Fairchild Fasteners / Mecaero**.
3. **Arconic Fastening Melbourne Pty** was formerly **Fairchild Fasteners Melbourne Pty** and **Recoil Pty Ltd**.
4. **Bollhoff Ltd** formally **Bollhoff Armstrong Ltd** formerly **Armstrong Precision Components** was formerly **Armstrong Fastening Systems**
5. **B.A.S. Aerospace** was formerly **B.A.S. Components** and **Bintcliffe Turner Ltd**.
6. **Dunlop Aerospace Precision Rubber** was formerly **R. E. Components Ltd**.
7. **International Seal-FNGP** was formerly **International Seal Co. Inc**.
8. **Parker Hannifin Canada** was formerly **Wynns Precision**.
9. **B/E Aerospace Consumables Management 11 Limited** was formerly **Satair Hardware UK Ltd**.
10. **Souriau** were formerly **Framatone Connectors International** and **FramatoneConnectors (UK) Ltd**.
11. **Avingtrans plc** formerly **Sigma Precision Components UK Ltd** were formerly **B&D Patterns Ltd**
12. **Cherry Aerospace Fasteners** was formerly **Textron Aerospace Fasteners** and **Avdel Ltd**.
13. **Trelleborg Sealing Solutions** was formerly **TISPP UK & Dowty Seals Ltd**.

Agents for Manufacturers

14. **Arconic Fastening Systems** (formerly **Fairchild Fasteners UK**) are Agents for **Fairchild/Rosan** and **South Bay**.
15. **Avio Diepen** are UK agents for **Bergen Cables Technologies**.
16. **Bristol Fasteners (Europe) Ltd**. are UK Agents for **Bristol Industries**.
17. **Glenair UK Ltd**. are UK agents for **Daniels Manufacturing**.
18. **NMB Minebea UK Ltd. & Rose Bearings Ltd**. are UK Agents for **NMB Minebea Co. Ltd**.
19. **Satair Hardware UK Ltd.**, **Wesco Aircraft** and **Satair Hardware Group** are agents for **Textron Aerospace Fasteners**.
20. **SPS Technologies** are UK agents for **SPS Santa Ana**.
21. **Parker Hannifin** are UK agents for **Parker Hannifin GmbH, Germany**.
22. **Freudenberg Simrit LP** Are UK agents for **International Seal FNGP**
23. **Pyle National Ltd**. are UK agents for **Amphenol Aerospace**.
24. **HCC Industries International** are UK agents for **Sealtronic Inc**.
25. **Satair Hardware Group** are UK agents for **Tri-Star Electronics Inc**.

MANUFACTURERS IDENT SYMBOLS

Manufacturers Name	Manufacturers Symbol	Manufacturers Name	Manufacturers Symbol
Arconic Fastening Systems and Rings - Fullerton Operations	K & C	Kaynar (Metric)	
Arconic Fastening Systems and Rings - Toulouse Operations (formerly Fairchild Fasteners (Mecaero))	M	Kaynar (Microdot) (Inserts)	
Arconic Fastening Systems and Rings - St Cosme Operations	SD	LISI Aerospace - Blanc Aero Industries	F
Arnold Wragg	AW	Morton Manufacturing	
Bollhoff Limited		NAFCO	
Avialec		Paolo Astori Spa	
B&D Patterns		SPS Technologies Ltd (T.J. Brooks Division)	
B.A.S. Aerospace Ltd	BTL	SPS Technologies Santa Ana (Inserts)	
Dunlop Aerospace Precision Rubber	DPR	TA Manufacturing Inc.	
Fairchild Fasteners (Rosan)	R _L	Textron Aerospace Fasteners (Avdel)	
Fairchild Fasteners (Rosan) (Inserts)		Textron Aerospace Fasteners (Santa Ana)	
Fairchild Fasteners (South Bay)		The Monadnock Company	TMC
Farsound Engineering Ltd		Uni-Mill Engineering Ltd	UNI-MILL
Glenair UK Ltd	GLENAIR	Valley Todeco	
Kaynar	K		

Based on information available at time of publication

NOTE: For further details of manufactures symbols refer to SBAC specification RS732.