

TECHNICAL SPECIFICATION

No. TS200™

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



RATIONALE

TS200 Issue 44

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

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Issued by: Technical Standards Committee (Aerospace)
SAE Industry Technologies Consortia (ITC)
Registered no. 3916053

SAE INDUSTRY TECHNOLOGIES CONSORTIA AEROSPACE STANDARDS AND PART QUALIFICATION PROGRAM

FOREWORD

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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 requiring qualification shall be quoted in this document. The qualification procedure defined in TS202 shall apply. Potential manufacturers requiring product qualifications can apply to SAE ITC TSC using Qual Form 1, available on the SAE ITC website Technical Standards page.

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 be 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. **Alcoa Fastening Systems, Leicester UK, T/A Linread Limited** was formerly **Linread-Northbridge** was formerly **Northbridge Fasteners**
2. **Alcoa Fastening Systems/Toulouse Operations** was formerly **Fairchild Fasteners / Mecaero**.
3. **Alcoa Fastening Melbourne Pty** was formerly **Fairchild Fasteners Melbourne Pty** and **Recoil Pty Ltd**.
4. **Bollhoff Armstrong Limited** 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. **Alcoa 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.**

BOLTS

AS bolts of all configurations produced to meet the requirements of:

AS1

AS2

AS168

TS21 - Material: BS HR650

Manufacturer

Qualified to supply these diameters

	<u>Hot Forged</u>	<u>Cold Forged</u>
Blanc Aero Industries	.164 to .500 inclusive	.164 to .3125 inclusive
Alcoa Fastening Systems – Toulouse Ops		.190
Alcoa Fastening Systems, Leicester, UK	.190 to .500 inclusive	.190 & .250
Lisi AerospaceFTB	.164 to .500 inclusive.	.190 & .250
NMB Minebea Co. Ltd	.190 to .500 inclusive	.190, .250 & .3125
SPS Technologies (T.J. Brooks Division)	Dia. up to and inc. .500	.190, .250 & .3125

TS22 - Material: BS S159

Manufacturer

Qualified to supply these diameters

	<u>Hot Forged</u>	<u>Cold Forged</u>
Blanc Aero Industries	Dia. up to and inc. .500	.190 to .3125 inclusive
Alcoa Fastening Systems, Leicester, UK	.190 to .500 inclusive	.190 & .250
Lisi Aerospace FTB	.190 to .500 inclusive	.190 & .250
NMB Minebea Co. Ltd	.190 to .500 inclusive	.190, .250 & .3125
SPS Technologies (T.J. Brooks Division)	Dia. up to and inc. .500	.190, .250 & .3125

TS23 - Material: BS HR601

Manufacturer

Qualified to supply these diameters

	<u>Hot Forged</u>	<u>Cold Forged</u>
Blanc Aero Industries	.190 to .500 inclusive	.190
Alcoa Fastening Systems, Leicester, UK	.190 to .500 inclusive	.190 & .250
Lisi Aerospace FTB	.190, .250, .3125 & .4375	.190, & .250
NMB Minebea Co. Ltd	.190, .250 & .3125	*
SPS Technologies (T.J. Brooks Division)	Dia. up to and inc. .500	.190 & .250

TS24 - Material: (Inconel) DTD5638

Blanc Aero Industries	.190 to .500 inclusive	.190 - .375 inclusive
Morton Manufacturing		.190, .250 & .3125
Alcoa Fastening Systems Toulouse Op ²⁵	.190, .250, .3125 & .375	.190, & .250
Alcoa Fastening Systems, Leicester, UK	.190 to .500 inclusive	.190 & .250
LISI Aerospace (FTB)	.190 to .500 inclusive	.190 & .250
NMB Minebea Co. Ltd	.190 to .500 inclusive	.190, .250 & .3125
SPS Technologies (T.J. Brooks Division)	Dia. up to and inc. .500	.190 to .500 inclusive

Refer to NOTES: on pages 7 & 8 for manufacturer / distributor and product information.

BOLTS (Cont.)

AS bolts of all configurations produced to meet the requirements of:

TS25 - Material: (Waspaloy) DTD5639

<u>Manufacturer</u>	<u>Qualified to supply these diameters</u>	
	<u>Hot Forged</u>	<u>Cold Forged</u>
Blanc Aero Industries	.190 to .500 inclusive	.190 - .3125 inclusive
M.S Aerospace Inc	0190 &.250 all lgth full thread	0190 &.250 all lgth full thread
Alcoa Fastening Systems, Leicester, UK	.190 to .500 inclusive	.190, .250 & .3125
LISI Aerospace (FTB)	.190, .250, .3125, .375 & .500	.190 & .250
NMB Minebea Co. Ltd	.190 to .500 inclusive	*
SPS Technologies (T.J. Brooks Division)	Dia. up to and inc. .500	.190 to .500 inclusive

TS137 - Material: DTD5638 or EN2952/EN3219

SPS Technologies (T.J. Brooks Division)	.250 to .500 inclusive	*
Lisi Canada	.250, .3125, .3750, .4375	*

TS145 - Material: FV535

Blanc Aero Industries	.190 to .500 inclusive	.190 - .3125 inclusive
Alcoa Fastening Systems, Leicester, UK	.190 to .4375 Inclusive	.190 & .250
Lisi FTB	.190, .250, .3125 & .375	.190 & .250
NMB Minebea Co. Ltd	.190, .250 & .3125	*
SPS Technologies (T.J. Brooks Division)	.190 to .500 inclusive	*

SCREWS

AS65000 Spiral Drive, 100° CSK, Reduced Head

<u>Manufacturer</u>	<u>Qualified to supply these diameters</u>
SPS Technologies Ltd..	All sizes

AS65010 Spiral Drive, 100° CSK, Full Head

<u>Manufacturer</u>	<u>Qualified to supply these diameters</u>
SPS Technologies Ltd..	All sizes

GASKETS

AS42700 thru 42799

<u>Manufacturer</u>	<u>Qualified to supply these diameters</u>
Nicholsons Aircraft Seals Ltd.	All sizes

Refer to Notes: on pages 7 & 8 for manufacturer / distributor and product information.

INSERTS

Screw Thread, Screw Locking, Helical Coil, AGS3600 Series

<u>Manufacturer</u>	<u>Qualified to supply these diameters</u>
Bollhoff Armstrong Limited	6-32(.138) Except 1D, No10-32(.190), .250, .3125, .375 & .500
Alcoa Fastening Melbourne Pty	*
Emhart Teknologies	All diameters

Screw thread, screw locking, Helical coil, AGS3700 series

Bollhoff Armstrong Limited	All diameters
Alcoa Fastening Melbourne Pty	.190 to.375 diameters inclusive

Screw Thread, Screw Locking, Helical Coil AGS4677 Series

<u>Manufacturer</u>	<u>Qualified to supply these diameters</u>
Emhart Teknologies	All sizes available sizes

Wire Thread, Inserts Unplated UNF AS6733 SAE ITC Part AS6733 Qualification not Required

Wire Thread Inserts Unplated UNC AS6734 SAE ITC Part AS6734 Qualification not Required

Wire Thread Inserts Cadmium plated UNF AS8455 SAE ITC Part AS8455 Qualification not Required

Wire Thread Inserts Cadmium plated UNC AS8456 SAE ITC Part AS8456 Qualification not Required

Screw Locking, Thinwall, Short, Inch

<u>Bolt Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Manufacturer and Parts qualified</u>				
		<u>Rosan</u>	<u>Alcoa Torrance Operations</u>	<u>Fairchild / Sth. Bay</u>	<u>Microdot UK</u>	<u>SPS Technologies Santa Ana</u>
.190-32	AS52760	AS52760	AS52760	AS52760	*	AS52760
.250-28	AS52761	AS52761	AS52761	AS52761	*	AS52761
.3125-24	AS52762	AS52762	AS52762	AS52762	*	AS52762
.375-24	AS52763	AS52763	AS52763	AS52763	*	AS52763
.4375-20	AS52764	*	*	*	*	
.500-20	AS52765	*	*	*	*	*

Screw Locking, Thinwall, Long, Metric

<u>Bolt Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Rosan</u>	<u>Fairchild / Sth. Bay</u>	<u>Microdot UK</u> †	<u>SPS Technologies</u> <u>Santa Ana</u>
5mm	AS52770		Superseded by AECMA Standard EN3216		
6mm	AS52771	*	*	*	*
7mm	AS52772	*	*	*	*
8mm	AS52773	*	*	*	*
10mm	AS52774	*	*	*	*

Screw Locking, Thinwall, Long, Inch

<u>Bolt Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Rosan</u>	<u>Alcoa Torrance Operations</u>	<u>Fairchild / Sth. Bay</u>	<u>Microdot UK</u> †	<u>SPS Technologies</u> <u>Santa Ana</u>
.190-32	AS52790	*	AS52790	*	*	AS52790
.250-28	AS52791	*	AS52791	*	*	AS52791
.3125-24	AS52792	*	AS52792	*	*	AS52792
.375-24	AS52793	*	AS52793	*	*	AS52793
.4375-20	AS52794	*	*	*	*	*
.500-20	AS52795	*	*	*	*	*

INSERTS SALVAGE

Screw Locking, Thinwall, Short, Metric (Inco 718) – AS62132 thru 62136

<u>Bolt thread size</u>	<u>SAE ITC Part No.</u>	<u>Rosan</u>	<u>Manufacturer and Parts qualified</u>	
			<u>Alcoa Torrance Operations</u>	<u>SPS Technologies</u> <u>Santa Ana</u>
MJ5 x 0,8 4H6H	AS62132	*	AS62132	*
MJ6 x 1,0 4H6H	AS62133	*	AS62133	*
MJ7x 1,0 4H5H	AS62134	*	*	*
MJ8x 1,0 4H5H	AS62135	*	*	*
MJ10x 1,25 4H5H	AS62136	*	*	*

Screw Locking, Thinwall, Short, Inch (Inco 718) – AS62141 thru 62146

<u>Bolt Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Rosan</u>	<u>Alcoa Torrance Operations</u>	<u>SPS Technologies</u> <u>Santa Ana</u>
.190-32	AS62141	*	AS62141	*
.250-28	AS62142	*	AS62142	*
.3125-24	AS62143	*	AS62143	*
.375-24	AS62144	*	AS62144	*
.4375-20	AS62145	*	*	*
.500-20	AS62146	*	*	*

Screw Locking, Thinwall, Long, Metric (Inco 718) – AS62150 thru 62159

There are no manufacturers currently qualified to produce these parts

Screw Locking, Thinwall, Long, Inch (Inco 718) – AS62160 thru 62169

<u>Bolt Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Rosan</u>	<u>Alcoa Torrance Operations</u>	<u>SPS Technologies</u> <u>Santa Ana</u>
.190-32	AS62161	*	AS62161	*
.250-28	AS62162	*	AS62162	*
.3125-24	AS62163	*	AS62163	*
.375-24	AS62164	*	AS62164	*
.4375-20	AS62165	*	*	*
.500-20	AS62166	*	*	*

Refer to Notes: on pages 7 & 8 for manufacturer / distributor and product information.

NUTS, SELF LOCKING

Heaçon, Flange Type (AS8600A thru 8600J) ‡

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>B.A.S. Aerospace</u>	<u>Alcoa / Fullerton</u>	<u>Microdot UK †</u>
4-40	AS8600A	*	AS8600A	*
6-32	AS8600B	*	AS8600B	*
8-32	AS8600C	*	AS8600C	*
10-32	AS8600D	*	AS8600D	*
.250-28	AS8600E	*	AS8600E	*
.3125-24	AS8600G	*	AS8600G	*
.3750-24	AS8600J	*	AS8600J	*

‡ Stock manufactured by previously qualified manufacturers prior to 12th August 2008 may be used until stock is exhausted.

**Stiffnuts, Heaçon
(AS8601A thru 8601J)**

Manufacturer and Parts qualified

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>B.A.S. Aerospace</u>	<u>Alcoa / Fullerton</u>	<u>Microdot UK †</u>
4-40	AS8601A	*	AS8601A	*
6-32	AS8601B	*	AS8601B	*
8-32	AS8601C	*	AS8601C	*
10-32	AS8601D	*	AS8601D	*
.250-28	AS8601E	*	AS8601E	*
.3125-24	AS8601G	*	AS8601G	*
.3750-24	AS8601J	*	*	*

Double Lug Anchor (AS8602A thru 8602J)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>B.A.S. Aerospace</u>	<u>Alcoa / Fullerton</u>	<u>Microdot UK †</u>
4-40	AS8602A	*	AS8602A	*
6-32	AS8602B	*	AS8602B	*
8-32	AS8602C	*	AS8602C	*
10-32	AS8602D	*	AS8602D	*
.250-28	AS8602E	*	AS8602E	*
.3125-24	AS8602G	*	AS8602G	*
.3750-24	AS8602J	*	*	*

Miniature, Double Lug Anchor (AS8603A thru 8603J)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>B.A.S. Aerospace</u>	<u>Alcoa / Fullerton</u>	<u>Microdot UK †</u>
4-40	AS8603A	*	AS8603A	*
6-32	AS8603B	*	AS8603B	*
8-32	AS8603C	*	AS8603C	*
10-32	AS8603D	*	AS8603D	*
.250-28	AS8603E	*	AS8603E	*
.3125-24	AS8603G	*	*	*
.3750-24	AS8603J	*	AS8603J	*

Single Lug Anchor (AS8604B thru 8604J)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>B.A.S. Aerospace</u>	<u>Alcoa / Fullerton</u>	<u>Microdot UK †</u>
6-32	AS8604B	*	*	*
8-32	AS8604C	*	*	*
10-32	AS8604D	*	*	*
.250-28	AS8604E	*	*	*
.3125-24	AS8604G	*	*	*
.3750-24	AS8604J	*	*	*

Refer to Notes: on pages 7 & 8 for manufacturer / distributor and product information.

NUTS, SELF LOCKING (Contd.)

Miniature, Single Long Lug Anchor (AS8605A thru 8605J)

Manufacturer and Parts qualified

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>B.A.S. Aerospace</u>	<u>Alcoa / Fullerton</u>	<u>Microdot UK †</u>
4-40	AS8605A	*	*	*
6-32	AS8605B	*	AS8605B	*
8-32	AS8605C	*	*	*
10-32	AS8605D	*	*	*
.250-28	AS8605E	*	*	*
.3125-24	AS8605G	*	*	*
.3750-24	AS8605J	*	*	*

Miniature, Single Short Lug Anchor (AS8606C thru 8606J)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Alcoa / Fullerton</u>	<u>Microdot UK †</u>
8-32	AS8606C	AS8606C	*
10-32	AS8606D	AS8606D	*
.250-28	AS8606E	AS8606E	*
.3125-24	AS8606G	*	*
.3750-24	AS8606J	*	*

Corner Anchor (AS8607B thru 8607J)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Alcoa / Fullerton</u>	<u>Microdot UK †</u>
6-32	AS8607B	AS8607B	*
8-32	AS8607C	*	*
10-32	AS8607D	*	*
.250-28	AS8607E	*	*
.3125-24	AS8607G	*	*
.3750-24	AS8607J	*	*

Miniature, Corner Anchor (AS8608A thru 8608J)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Alcoa / Fullerton</u>	<u>Microdot UK †</u>
4-40	AS8608A	AS8608A	*
6-32	AS8608B	AS8608B	*
8-32	AS8608C	*	*
10-32	AS8608D	*	*
.250-28	AS8608E	AS8608E	*
.3125-24	AS8608G	*	*
.3750-24	AS8608J	*	*

Double Lug, Floating Anchor (AS8609A thru 8609J)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Alcoa / Fullerton</u>	<u>Microdot UK †</u>
4-40	AS8609A	*	*
6-32	AS8609B	AS8609B	*
8-32	AS8609C	AS8609C	*
10-32	AS8609D	AS8609D	*
.250-28	AS8609E	AS8609E	*
.3125-24	AS8609G	AS8609G	*
.3750-24	AS8609J	AS8609J	*

Refer to Notes: on pages 7 & 8 for manufacturer / distributor and product information.

NUTS, SELF LOCKING (Contd.)

Miniature, Double Lug, Floating Anchor (AS8610A thru 8610G)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Manufacturer and Parts qualified</u>	
		<u>Alcoa / Fullerton</u>	<u>Microdot UK †</u>
4-40	AS8610A	AS8610A	*
6-32	AS8610B	AS8610B	*
8-32	AS8610C	AS8610C	*
10-32	AS8610D	AS8610D	*
.250-28	AS8610E	AS8610E	*
.3125-24	AS8610G	AS8610G	*

Single Long Lug, Floating Anchor (AS8611A thru 8611G)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Alcoa / Fullerton</u>	<u>Microdot UK †</u>
4-40	AS8611A		*
6-32	AS8611B		*
8-32	AS8611C	AS8611C	*
10-32	AS8611D	AS8611D	*
.250-28	AS8611E		*
.3125-24	AS8611G		*

Stripnut (AS8612C thru 8612J)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Alcoa / Fullerton</u>	<u>Microdot UK †</u>
8-32	AS8612C	*	*
10-32	AS8612D	*	*
.250-28	AS8612E	*	*
.3125-24	AS8612G	*	*
.3750-24	AS8612J	*	*

Hexagon, Flange Type (AS8623A thru 8623J)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Paolo Astori</u>	<u>Alcoa / Fullerton</u>	<u>Microdot UK †</u>
4-40	AS8623A	*	AS8623A	*
6-32	AS8623B	*	AS8623B	*
8-32	AS8623C	*	AS8623C	*
10-32	AS8623D	*	AS8623D	*
.250-28	AS8623E	AS8623E	AS8623E	*
.3125-24	AS8623G	*	*	*
.3750-24	AS8609J	*	AS8623J	*

Stiffnuts, Hexagon (AS8624A thru 8624J)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Alcoa / Fullerton</u>	<u>Microdot UK †</u>
4-40	AS8624A	*	*
6-32	AS8624B	*	*
8-32	AS8624C	*	*
10-32	AS8624D	*	*
.250-28	AS8624E	*	*
.3125-24	AS8624G	*	*
.3750-24	AS8624J	*	*

Refer to Notes: on pages 7 & 8 for manufacturer / distributor and product information.

NUTS, SELF LOCKING (Contd.)

Double Lug Anchor (AS8625A thru 8625J)

Manufacturer and Parts qualified

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Alcoa / Fullerton</u>	<u>Microdot UK †</u>
4-40	AS8625A	*	*
6-32	AS8625B	*	*
8-32	AS8625C	*	*
10-32	AS8625D	AS8625D	*
.250-28	AS8625E	*	*
.3125-24	AS8625G	*	*
.3750-24	AS8625J	*	*

Miniature, Double Lug Anchor (AS8626A thru 8626J)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Alcoa / Fullerton</u>	<u>Microdot UK †</u>
4-40	AS8626A	*	*
6-32	AS8626B	*	*
8-32	AS8626C	*	*
10-32	AS8626D	*	*
.250-28	AS8626E	*	*
.3125-24	AS8626G	*	*
.3750-24	AS8626J	*	*

Single Long Lug Anchor (AS8627B thru 8627J)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Alcoa / Fullerton</u>	<u>Microdot UK †</u>
6-32	AS8627B	*	*
8-32	AS8627C	*	*
10-32	AS8627D	*	*
.250-28	AS8627E	*	*
.3125-24	AS8627G	*	*
.3750-24	AS8627J	*	*

Miniature, Single Long Lug Anchor (AS8628A thru 8628J)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Alcoa / Fullerton</u>	<u>Microdot UK †</u>
4-40	AS8628A	*	*
6-32	AS8628B	*	*
8-32	AS8628C	*	*
10-32	AS8628D	*	*
.250-28	AS8628E	*	*
.3750-24	AS8628J	*	*

Miniature, Single Short Lug Anchor (AS8629A thru 8629J)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Microdot UK †</u>
4-40	AS8629A	*
6-32	AS8629B	*
8-32	AS8629C	*
10-32	AS8629D	*
.250-28	AS8629E	*
.3125-24	AS8629G	*
.3750-24	AS8629J	*

NUTS, SELF LOCKING (Contd.)

Corner Anchor (AS8630B thru 8630J)

Manufacturer and Parts qualified

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Microdot UK †</u>
6-32	AS8630B	*
8-32	AS8630C	*
10-32	AS8630D	*
.250-28	AS8630E	*
.3125-24	AS8630G	*
.3750-24	AS8630J	*

Miniature, Corner Anchor (AS8631A thru 8631J)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Microdot UK †</u>
4-40	AS8631A	*
6-32	AS8631B	*
8-32	AS8631C	*
10-32	AS8631D	*
.250-28	AS8631E	*
.3125-24	AS8631G	*
.3750-24	AS8631J	*

Double Lug, Floating Anchor (AS8632A thru 8632J)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>SPS Technologies Santa Ana</u>	<u>Microdot UK †</u>
4-40	AS8632A	*	*
6-32	AS8632B	*	*
8-32	AS8632C	*	*
10-32	AS8632D	AS8632D	*
.250-28	AS8632E	*AS8623E	*
.3125-24	AS8632G	*	*
.3750-24	AS8632J	*	*

Miniature, Double Lug, Floating Anchor (AS8633A thru 8633E)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Microdot UK †</u>
4-40	AS8633A	*
6-32	AS8633B	*
8-32	AS8633C	*
10-32	AS8633D	*
.250-28	AS8633E	*

Single Long Lug, Floating Anchor (AS8634A thru 8634G)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Microdot UK †</u>
4-40	AS8634A	*
6-32	AS8634B	*
8-32	AS8634C	*
10-32	AS8634D	*
.250-28	AS8634E	*
.3125-24	AS8634G	*

Refer to Notes: on pages 7 & 8 for manufacturer / distributor and product information.

NUTS, SELF LOCKING (Contd.)

Hexagon, Flange Type (AS8650A thru 8650J)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Manufacturer and Parts qualified</u>	
		<u>Alcoa / Fullerton</u>	<u>Microdot UK †</u>
4-40	AS8650A	AS8650A	*
6-32	AS8650B	AS8650B	*
8-32	AS8650C	AS8650C	*
10-32	AS8650D	AS8650D	*
.250-28	AS8650E	AS8650E	*
.3125-24	AS8650G	*	*
.3750-24	AS8650J	AS8650J	*

Stiffnuts, Hexagon (AS8651A thru 8651J)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Microdot UK †</u>
4-40	AS8651A	*
6-32	AS8651B	*
8-32	AS8651C	*
10-32	AS8651D	*
.250-28	AS8651E	*
.3125-24	AS8651G	*
.3750-24	AS8651J	

Double Lug Anchor (AS8652A thru 8652J)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Microdot UK †</u>
4-40	AS8652A	*
6-32	AS8652B	*
8-32	AS8652C	*
10-32	AS8652D	*
.250-28	AS8652E	*
.3125-24	AS8652G	*
.3750-24	AS8652J	*

Miniature, Double Lug Anchor (AS8653A thru 8653J)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Microdot UK †</u>
4-40	AS8653A	*
6-32	AS8653B	*
8-32	AS8653C	*
10-32	AS8653D	*
.250-28	AS8653E	*
.3125-24	AS8653G	*
.3750-24	AS8653J	*

Single Long Lug Anchor (AS8654B thru 8654J)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Microdot UK †</u>
6-32	AS8654B	*
8-32	AS8654C	*
10-32	AS8654D	*
.250-28	AS8654E	*
.3125-24	AS8654G	*
.3750-24	AS8654J	*

Refer to Notes: on pages 7 & 8 for manufacturer / distributor and product information.

NUTS, SELF LOCKING (Contd.)

Miniature, Single Long Lug Anchor (AS8655A thru 8655J)

Manufacturer and Parts qualified

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Microdot UK †</u>
4-40	AS8655A	*
6-32	AS8655B	*
8-32	AS8655C	*
10-32	AS8655D	*
.250-28	AS8655E	*
.3125-24	AS8655G	*
.3750-24	AS8655J	*

Miniature, Single Short Lug Anchor (AS8656C thru 8656J)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Microdot UK †</u>
8-32	AS8656C	*
10-32	AS8656D	*
.250-28	AS8656E	*
.3125-24	AS8656G	*
.3750-24	AS8656J	*

Corner Anchor (AS8657B thru 8657J)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Microdot UK †</u>
6-32	AS8657B	*
8-32	AS8657C	*
10-32	AS8657D	*
.250-28	AS8657E	*
.3125-24	AS8657G	*
.3750-24	AS8657J	*

Miniature, Corner Anchor (AS8658A thru 8658J)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Microdot UK †</u>
4-40	AS8658A	*
6-32	AS8658B	*
8-32	AS8658C	*
10-32	AS8658D	*
.250-28	AS8658E	*
.3125-24	AS8658G	*
.3750-24	AS8658J	*

Double Lug, Floating Anchor (AS8659A thru 8659J)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Alcoa / Fullerton</u>	<u>Microdot UK †</u>
4-40	AS8659A	*	*
6-32	AS8659B	AS8659B	*
8-32	AS8659C	*	*
10-32	AS8659D	AS8659D	*
.250-28	AS8659E	*	*
.3125-24	AS8659G	*	*
.3750-24	AS8659J	*	*

Refer to Notes: on pages 7 & 8 for manufacturer / distributor and product information.

NUTS, SELF LOCKING (Contd.)

Miniature, Double Lug, Floating Anchor (AS8660A thru 8660G)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Microdot UK †</u>
4-40	AS8660A	*
6-32	AS8660B	*
8-32	AS8660C	*
10-32	AS8660D	*
.250-28	AS8660E	*
.3125-24	AS8660G	*

Single, Long Lug, Floating Anchor (AS8661A thru 8661J)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Microdot UK †</u>
4-40	AS8661A	*
6-32	AS8661B	*
8-32	AS8661C	*
10-32	AS8661D	*
.250-28	AS8661E	*
.3125-24	AS8661G	*
.3750-24	AS8661J	*

Extended Washer, Double Hexagon (AS20620 thru 20639)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Blanc Aero Industries</u>	<u>Bristol Industries</u>	<u>ESNA</u>	<u>Alcoa / Fullerton</u>	<u>Paolo Astori</u>	<u>Minenba Co Ltd.</u>	<u>SPS Technologies T.J.Bbrooks Div.</u>
.164-36	AS20623	*	*	*	AS20623	*	*	*
.190-32	AS20624	AS20624	AS20624	AS20624	AS20624	AS20624	*	AS20624
.250-28	AS20625	AS20625	AS20625	AS20625	AS20625	AS20625	*	AS20625
.3125-24	AS20626	*	AS20626	AS20626	AS20626	AS20626	*	AS20626
.3750-24	AS20627	AS20627	AS20627	AS20627	AS20627	AS20627	*	AS20627
.4375-20	AS20628	AS20628	AS20628	AS20628	AS20628	AS20628	*	AS20628
.500-20	AS20629	AS20629	AS20629	AS20629	*	AS20629	*	AS20629
.5625-18	AS20630	AS20630	*	*	AS20630	AS20630	*	AS20630
.6250-18	AS20631	AS20631	*	AS20631	AS20631	*	*	AS20631

Shaft (AS27300 thru 27349)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Microdot UK †</u>	<u>SPS Technologies T.J.Bbrooks Div.</u>
.4375-20	AS27307	*	AS27307
.500-20	AS27308	*	AS27308
.5625-18	AS27309	*	AS27309
.625-18	AS27310	*	AS27310
.6875-20	AS27311	*	AS27311
.750-20	AS27312	*	AS27312
.8125-20	AS27313	*	AS27313
.875-20	AS27314	*	AS27314
.9375-20	AS27315	*	AS27315
1.000-20	AS27316	*	AS27316
1.0625-20	AS27317	*	*
1.1250-20	AS27318	*	AS27318
1.1875-20	AS27319	*	AS27319
1.250-20	AS27320	*	AS27320
1.3750-20	AS27322	*	AS27322
1.500-20	AS27324	*	AS27324
1.750-20	AS27328	*	*

Refer to Notes: on pages 7 & 8 for manufacturer / distributor and product information

NUTS, SELF LOCKING (Contd.)

Extended Washer, Double Hexagon, Deep Counterbored (AS27820 thru 27829)

Manufacturer and Parts qualified

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Paolo Astori</u>	<u>Bristol Industries</u>	<u>ESNA</u>	<u>Alcoa / Fullerton</u>	<u>Minenba Co Ltd.</u>	<u>SPS Technologies T.J.Bbrooks Div.</u>
.164-36	AS27821	*	*	*	*	*	*
.190-32	AS27822	AS27822	AS27822	AS27822	AS27822	*	AS27822
.250-28	AS27823	*	AS27823	AS27823	AS27823	*	AS27823
.3125-24	AS27824	*	AS27824	AS27824	AS27824	*	AS27824
.3750-24	AS27825	*	AS27825	AS27825	*	*	AS27825
.4375-20	AS27826	*	*	*	*	*	*
.5625-18	AS27828	*	*	*	*	*	*
.6250-18	AS27829	*	*	*	*	*	*

Six Point, Captive Washer (AS27830 thru 27832)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Bristol Industries</u>	<u>ESNA</u>	<u>Alcoa / Fullerton</u>	<u>SPS Technologies Jenkintown</u>
.112-40	AS27830	*	AS27830	AS27830	AS27830
.138-32	AS27831	*	AS27831	AS27831	AS27831
.164-36	AS27832	AS27832	AS27832	AS27832	*

Shank, Flange Restrained (AS27850 thru 27899)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Blanc Aero Industries</u>	<u>Bristol Industries</u>	<u>ESNA</u>	<u>Alcoa / Fullerton</u>	<u>Alcoa / St Cosme</u>	<u>SPS Technologies T.J.Bbrooks Div.</u>
.190-32	AS27852	AS27852	AS27852	AS27852	AS27852	*	AS27852
	AS27853	AS27853	AS27853	AS27853	AS27853	*	AS27853
.250-28	AS27857	AS27857	AS27857	AS27857	AS27857	*	AS27857
	AS27858	AS27858	AS27858	AS27858	AS27858	AS27858	AS27858
	AS27859	AS27859	AS27859	AS27859	AS27859	*	AS27859
	AS27860	AS27860	AS27860	AS27860	AS27860	*	AS27860
	AS27861	AS27861	AS27861	AS27861	AS27861	*	AS27861
	AS27862	AS27862	AS27862	AS27862	AS27862	*	AS27862
	AS27864	AS27864	AS27864	AS27864	AS27864	*	AS27864
	AS27870	AS27870	AS27870	AS27870	AS27870	*	AS27870
.3125-24	AS27871	AS27871	AS27871	AS27871	AS27871	AS27871	AS27871
	AS27874	*	AS27874	AS27874	*	*	AS27874
	AS27875	*	AS27875	AS27875	AS27875	*	AS27875
	AS27877	*	*	*	AS27877	*	*
	AS27878	*	AS27878	AS27878	*	*	*
	AS27880	*	AS27880	AS27880	*	*	*
	AS27883	AS27883	AS27883	AS27883	AS27883	*	AS27883
	AS27888	AS27888	AS27888	AS27888	AS27888	*	AS27888
.4375-20	AS27889	*	*	*	*	*	*
	AS27890	AS27890	*	*	AS27890	*	AS27890
.500-20	AS27891	AS27891	AS27891	*	AS27891	*	AS27891
	AS27892	AS27892	*	AS27892	*	*	*

Refer to Notes: on pages 7 & 8 for manufacturer / distributor and product information.

NUTS, SELF LOCKING (Contd.)

Six Point, Captive Washer (AS28000A thru 28000J)

Manufacturer and Parts qualified

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Alcoa / Fullerton</u>	<u>Microdot UK</u>
4-40	AS28000A	*	†
6-32	AS28000B	AS28000B	*
8-32	AS28000C	*	*
10-32	AS28000D	AS28000D	*
.250-28	AS28000E	AS28000E	*
.3125-24	AS28000G	AS28000G	*
.3750-24	AS28000J	AS28000J	*

Six Point, Self Aligning (AS28001D thru 28001J)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Alcoa / Fullerton</u>	<u>Microdot UK</u>
10-32	AS28001D	AS28001D	*
.250-28	AS28001E	AS28001E	*
.3125-24	AS28001G	AS28001G	*
.3750-24	AS28001J	AS28001J	*

Long Lug Anchor (AS28003B thru 28003J)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Alcoa / Fullerton</u>	<u>Microdot UK</u>
6-32	AS28003B	*	*
8-32	AS28003C	*	*
10-32	AS28003D	*	*
.250-28	AS28003E	*	*
.3125-24	AS28003G	*	*
.3750-24	AS28003J	*	*

Double Lug Anchor (AS28004A thru 28004J)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Alcoa / Fullerton</u>	<u>Microdot UK</u>
4-40	AS28004A	*	*
6-32	AS28004B	*	*
8-32	AS28004C	*	*
10-32	AS28004D	*	*
.250-28	AS28004E	*	*
.3125-24	AS28004G	*	*
.3750-24	AS28004J	*	*

Corner Anchor (AS28005B thru 28005J)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Alcoa / Fullerton</u>	<u>Microdot UK</u>
6-32	AS28005B	*	*
8-32	AS28005C	*	*
10-32	AS28005D	AS28005D	*
.250-28	AS28005E	*	*
.3125-24	AS28005G	*	*
.3750-24	AS28005J	*	*

Refer to Notes: on pages 7 & 8 for manufacturer / distributor and product information.

NUTS, SELF LOCKING (Contd.)

Long Lug, Floating Anchor (AS28006A thru 28006G)

Manufacturer and Parts qualified

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Alcoa / Fullerton</u>	<u>Microdot UK</u>
4-40	AS28006A	*	†
6-32	AS28006B	*	*
8-32	AS28006C	*	*
10-32	AS28006D	*	*
.250-28	AS28006E	*	*
.3125-24	AS28006G	*	*

Double Lug, Floating Anchor (AS28007A thru 28007J)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Alcoa / Fullerton</u>	<u>Microdot UK</u>
4-40	AS28007A	*	†
6-32	AS28007B	*	*
8-32	AS28007C	*	*
10-32	AS28007D	AS28007D	*
.250-28	AS28007E	*	*
.3125-24	AS28007G	*	*
.3750-24	AS28007J	*	*

Double Lug, Self Aligning, Floating Anchor (AS28008D thru 28008G)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Alcoa / Fullerton</u>	<u>Microdot UK</u>
10-32	AS28008D	*	†
.250-28	AS28008E	*	*
.3125-24	AS28008G	*	*

Miniature, Single Long Lug Anchor (AS28009A thru 28009G)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Alcoa / Fullerton</u>	<u>Microdot UK</u>
4-40	AS28009A	*	†
6-32	AS28009B	*	*
8-32	AS28009C	*	*
10-32	AS28009D	*	*
.250-28	AS28009E	*	*
.3125-24	AS28009G	*	*

Miniature, Double Lug Anchor (AS28010A thru 28010J)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Alcoa / Fullerton</u>	<u>Microdot UK</u>
4-40	AS28010A	*	†
6-32	AS28010B	*	*
8-32	AS28010C	*	*
10-32	AS28010D	*	*
.250-28	AS28010E	AS28010E	*
.3125-24	AS28010G	*	*
.3750-24	AS28010J	*	*

Refer to Notes: on pages 7 & 8 for manufacturer / distributor and product information.

NUTS, SELF LOCKING (Contd.)

Corner Anchor (AS28019A thru 28019J)

Manufacturer and Parts qualified

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Alcoa / Fullerton</u>	<u>Microdot UK †</u>
4-40	AS28019A	*	*
6-32	AS28019B	*	*
8-32	AS28019C	*	*
10-32	AS28019D	*	*
.250-28	AS28019E	*	*
.3125-24	AS28019G	*	*
.3750-24	AS28019J	*	*

Clip Assembly (AS41104 thru 41105)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>SPS Santa Ana</u>	<u>Lisi Aerospace (Monadnock)</u>	<u>Alcoa / Republic</u>	<u>ESNA</u>
.190-32	AS41104	AS41104	AS41104	AS41104	AS41104
.250-28	AS41105	AS41105	AS41105	*	AS41105

Shaft (AS42440 thru 42458)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Microdot UK †</u>	<u>SPS Technologies T.J.Bbrooks Div.</u>
.4375-20	AS42440	AS42440	AS42440
.500-20	AS42441	*	AS42441
.5625-18	AS42442	AS42442	AS42442
.6250-18	AS42443	AS42443	AS42443
.6875-20	AS42444	AS42444	AS42444
.750-20	AS42445	AS42445	AS42445
.8125-20	AS42446	AS42446	AS42446
.875-20	AS42447	AS42447	AS42447
.9375-20	AS42448	AS42448	AS42448
1.000-20	AS42449	AS42449	AS42449
1.0625-20	AS42450	*	*
1.1250-20	AS42451	AS42451	AS42451
1.1875-20	AS42452	AS42452	AS42452
1.250-20	AS42453	AS42453	AS42453
1.3125-20	AS42454	*	*
1.3750-20	AS42455	AS42455	AS42455
1.4375-20	AS42456	*	*
1.500-20	AS42457	AS42457	AS42457
1.750-20	AS42458	*	*

Bi-Hexagon, Waspaloy (AS42910 thru 42915)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>NAFCO</u>	<u>Blanc Aero Industries</u>	<u>Bristol Industries</u>	<u>ESNA</u>	<u>SPS Technologies T.J.Bbrooks Div.</u>
.190-32	AS42910	AS42910	*	AS42910	AS42910	AS42910
.250-28	AS42911		AS42911	AS42911	AS42911	AS42911
.3125-24	AS42912		AS42912	AS42912	AS42912	AS42912
.3750-24	AS42913		AS42913	*	*	AS42913
.4375-20	AS42914		AS42914	*	*	*
.500-20	AS42915		AS42915	*	AS42915	AS42915

Shank, Flange Restrained (AS44708 thru 44714)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Blanc Aero Industries</u>	<u>Bristol Industries</u>	<u>ESNA</u>	<u>SPS Technologies T.J.Bbrooks Div.</u>
.5625-18	AS44709	AS44709	*	*	AS44709
.625-18	AS44710	AS44710	*	*	AS44710
.750-16	AS44713	*	*	AS44713	*
.750-16	AS44714	AS44714	*	*	AS44714

Refer to Notes: on pages 7 & 8 for manufacturer / distributor and product information.

NUTS, SELF LOCKING (Contd.)

Shank, Flange Restrained (AS44750 thru 44753)

Manufacturer and Parts qualified

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>NAFCO</u>	<u>Blanc Aero Industries</u>	<u>Bristol Industries</u>	<u>ESNA</u>	<u>SPS Technologies T.J.Bbrooks Div.</u>
.190-32	AS44750	AS44750	AS44750	AS44750	*	AS44750
.250-28	AS44751	AS44751	AS44751		*	AS44751
.3125-24	AS44752		AS44752	AS44752	*	AS44752
.3750-24	AS44753		AS44753		*	AS44753

Spline Drive, BS HR650 (AS44860 thru 44869)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Blanc Aero Industries</u>	<u>Bristol Industries</u>	<u>ESNA</u>	<u>Alcoa / St Cosme</u>	<u>SPS Santa Ana</u>	<u>SPS Technologies</u>
.190-32	AS44861	*	AS44861	*	*	*	AS44861
.250-28	AS44862	AS44862	AS44862	*	AS44862	*	AS44862
.3125-24	AS44863	*	AS44863	*	AS44863	*	AS44863
.3750-24	AS44864	*	*	*	*	*	*
.4375-20	AS44865	*	*	*	*	*	*
.500-20	AS44866	*	*	*	*	*	*

Plate (AS46720 thru 46722)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Bristol Industries</u>	<u>ESNA</u>	<u>Alcoa / Fullerton</u>	<u>SPS Santa Ana</u>	<u>SPS Technologies</u>
.190-32	AS46720	*	*	AS46720	*	*
.250-28	AS46721	*	*	AS46721	*	*
.3125-24	AS46722	*	*	AS46722	*	*

Plate (AS46725 thru 46727)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Bristol Industries</u>	<u>Alcoa / St Cosme</u>	<u>ESNA</u>	<u>Alcoa / Fullerton</u>	<u>SPS Santa Ana</u>	<u>Paolo Astori</u>
.190-32	AS46725	AS46725	AS46725	AS46725	AS46725	*	AS46725
.250-28	AS46726	AS46726	AS46726	AS46726	AS46726	*	AS46726
.3125-24	AS46727	*	*	*	AS46727	AS46727	*

Miniature, Double Lug, Floating Anchor (AS46767A thru 46769G)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Alcoa / Fullerton</u>	<u>Microdot UK †</u>
4-40	AS46767A	AS46767A	*
6-32	AS46767B	*	*
8-32	AS46767C	*	*
10-32	AS46767D	AS46767D	*
.250-28	AS46767E	*	*
.3125-24	AS46767G	*	*
4-40	AS46768A	*	*
6-32	AS46768B	*	*
8-32	AS46768C	*	*
10-32	AS46768D	*	*
.250-28	AS46768E	*	*
.3125-24	AS46768G	*	*
4-40	AS46769A	*	*
6-32	AS46769B	*	*
8-32	AS46769C	*	*
10-32	AS46769D	*	*
.250-28	AS46769E	*	*
.3125-24	AS46769G	*	*

Refer to Notes: on pages 7 & 8 for manufacturer / distributor and product information.

NUTS, SELF LOCKING (Contd.)

Reduced Hexagon, Deep Counterbored, Metric Series (AS52600 thru 52699)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Manufacturer and Parts qualified</u>		
		<u>Blanc Aero Industries</u>	<u>SPS Technologies T.J.Bbrooks Div.</u>	
MJ 5 x 0,8	AS52605	AS52605	*	*
MJ 6 x 1,0	AS52606	*	*	*
MJ 7 x 1,0	AS52607	*	*	*
MJ 8 x 1,0	AS52608	*	*	*
MJ 10 x 1,25	AS52610	*	*	*
MJ 12 x 1,25	AS52612	*	*	*

Reduced Hexagon, Deep Counterbored, Inch Series (AS54361 thru 54460)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>ESNA</u>	<u>Bristol Industries</u>	<u>Blanc Aero Industries</u>	<u>SPS Technologies T.J.Bbrooks Div.</u>
.190-32	AS54363	*	*	*	*
.250-28	AS54364	*	*	AS54364	AS54364
.3125-24	AS54365	*	*	AS54365	AS54365
.3750-24	AS54366	*	*	AS54366	AS54366
.4375-20	AS54367	*	*	*	*
.500-20	AS54368	*	*	*	*

Extended Washer, Double Hexagon (For use with Impedance Type Bolts) AS54381 thru AS54390

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>ESNA</u>	<u>Bristol Industries</u>	<u>Blanc Aero Industries</u>	<u>SPS Technologies T.J.Bbrooks Div.</u>
.4375-20	AS54387	*	*	*	AS54387
.5000-20	AS54388	*	*	*	*

Shank, Flanged Restrained (AS54471 thru 54473)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>ESNA</u>	<u>Bristol Industries</u>	<u>Blanc Aero Industries</u>	<u>Alcoa/St Cosme</u>	<u>SPS Technologies T.J.Bbrooks Div.</u>
.250-28	AS54471-2	*	*	*	*	AS54471-2
	AS54471-5	*	AS54471-5	*	AS54471-5	AS54471-5
	AS54471-12	*	AS54471-12	*	*	AS54471-12
	AS54471-18	*	AS54471-18	*	*	AS54471-18
.3125-24	AS54472-2	*	*	*	AS54472-2	AS54472-2
	AS54472-5	*	*	*	AS54472-5	AS54472-5
	AS54472-14	*	*	*	*	AS54472-14
.3750-24	AS54473-3	*	*	*	*	AS54473-3
	AS54473-5	*	*	*	*	AS54473-5
	AS54473-15	*	*	*	*	AS54473-15

Refer to Notes: on pages 7 & 8 for manufacturer / distributor and product information.

NUTS, SELF LOCKING (Contd.)

Shank, Flanged Restrained (AS55200 thru 55203)

<u>Manufacturer and Parts qualified</u>						
<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>ESNA</u>	<u>Bristol Industries</u>	<u>Blanc Aero Industries</u>	<u>Alcoa/St Cosme</u>	<u>SPS Technologies T.J.Bbrooks Div.</u>
.190-32	AS55200-1	*	AS55200-1	*	*	AS55200-1
	AS55200-2	*	AS55200-2	*	*	AS55200-2
	AS55200-3	*	AS55200-3	*	*	AS55200-3
.250-28	AS55201-2	*	AS55201-2	*	*	AS55201-2
	AS55201-4	*	AS55201-4	*	*	AS55201-4
	AS55201-6	*	AS55201-6	*	*	AS55201-6
.3125-24	AS55202-2	*	AS55202-2	*	*	AS55202-2
	AS55202-5	*	AS55202-5	*	AS55202-5	AS55202-5
	AS55202-8	*	AS55202-8	*	*	AS55202-8
.3750-24	AS55203-3	*	*	*	*	AS55203-3
	AS55203-6	*	*	*	*	AS55203-6
	AS55203-10	*	*	*	*	AS55203-10

Shank, Flanged Restrained, Wasaloy (AS62300 thru 62349)

<u>Manufacturer and Parts qualified</u>						
<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>ESNA</u>	<u>Bristol Industries</u>	<u>Blanc Aero Industries</u>	<u>NAFCO</u>	<u>SPS Technologies T.J.Bbrooks Div.</u>
.190-32	AS62302	*	AS62302	AS62302	AS62302	AS62302
	AS62303	*	*	AS62303		AS62303
.250-28	AS62307	*	AS62307	AS62307		AS62307
	AS62308	*	AS62308	AS62308		AS62308
	AS62309	*	AS62309	AS62309		*
	AS62310	*	AS62310	AS62310		*
	AS62311	*	AS62311	AS62311		*
	AS62312	*	*	AS62312		*
	AS62314	*	AS62314	AS62314		*
	AS62314	*	AS62314	AS62314		*
.3125-24	AS62320	AS62320	AS62320	AS62320		*
	AS62321	AS62321	*	AS62321		*
	AS62324	AS62324	*	AS62324		*
	AS62325	AS62325	*	AS62325		*
	AS62327	AS62327	*	AS62327		*
	AS62328	AS62328	*	AS62328		*
	AS62330	AS62330	*	AS62330		*
	AS62330	AS62330	*	AS62330		*
.3750-24	AS62333	*	*	AS62333		AS62333
	AS62338	*	*	*		AS62338
.4375-20	AS62339	*	*	*		AS62339
	AS62340	*	*	*		AS62340
.500-20	AS62341	*	*	*		AS62341
	AS62342	*	*	*		AS62342

Union, Metric Thread (AS63280 thru 63289)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>Alcoa Fullerton</u>
MJ 14 x 1,5	AS63281	AS63281
MJ 16 x 1,5	AS63282	AS63282
MJ 18 x 1,5	AS63283	AS63283
MJ 20 x 1,5	AS63284	AS63284
MJ 22 x 1,5	AS63285	AS63285
MJ 24 x 1,5	AS63286	AS63286
MJ 30 x 1,5	AS63287	AS63287
MJ 33 x 1,5	AS63288	*
MJ 36 x 1,5	AS63289	*

NUTS, SELF LOCKING (Contd.)

Shank, Flange Restrained, Waspaloy (AS63420 thru 63429)

<u>Thread Size (UNJF-3B)</u>	<u>SAE ITC Part No.</u>	<u>SPS Technologies Jenkintown</u>
.3125 - 24	AS63422	AS63422

Double Hexagon, Extended Washer (AS63450 thru 63459)

<u>Thread Size (UNJF-3B)</u>	<u>SAE ITC Part No.</u>	<u>ALCOA/St Cosme</u>	<u>NAFCO</u>	<u>Paolo Astori</u>	<u>SPS Technologies Ltd.</u>	<u>Bristol Industries</u>
.164 - 36	AS63450	*		*	*	*
.190 - 32	AS63451	*	AS63451	AS63451	AS63451	AS63451
.250 - 28	AS63452	AS63452	AS63452	AS63452	AS63452	AS63452
.3125 - 24	AS63453	*	AS63453	AS63453	AS63453	AS63453
.375 - 24	AS63454	AS63454	AS63454	AS63454	AS63454	*
.4375 - 20	AS63455	*		AS63455	AS63455	*
.500 - 20	AS63456	AS63456		AS63456	AS63456	AS63456
.5625 - 18	AS63457	*		*	*	AS63457
.625 - 18	AS63458	*		*	AS63458	*

Double Hexagon, Extended Washer, Deep Counterbored (AS63460 thru 63469)

<u>Manufacturer and Parts qualified</u>						
<u>Thread Size (UNJF 3B)</u>	<u>SAE ITC Part No.</u>	<u>NAFCO</u>	<u>SPS Technologies Ltd.</u>	<u>Bristol Industries</u>		
.164 - 36	AS63461		*	*		
.190 - 32	AS63462	AS63462	AS63462	AS63462		
.250 - 28	AS63463		AS63463	*		
.3125 - 24	AS63464		AS63464	AS63464		
.375 - 24	AS63465		AS63465	AS63465		
.4375 - 20	AS63466		*	*		
.500 - 20	AS63467		*	AS63467		
.5625 - 18	AS63468		*	*		
.625 - 18	AS63469		*	*		

Bi Hexagon, Waspaloy (AS63470 thru 63475)

<u>Thread Size (UNJF 3B)</u>	<u>SAE ITC Part No.</u>	<u>Lisi Aerospace Blanc Aero</u>	<u>NAFCO</u>	<u>SPS Technologies Ltd.</u>	<u>Bristol Industries</u>
.190 - 32	AS63470	*		*	*
.250 - 28	AS63471	*	AS63471	AS63471	AS63471
.3125 - 24	AS63472	AS63472	AS63472	AS63472	AS63472
.3750 - 24					AS63473
.500 - 20	AS63475	AS63475	AS63475		AS63475

Flange restrained (AS63476 thru 63479)

<u>Thread Size (UNJF 3B)</u>	<u>ADIS Part No.</u>	<u>SPS Technologies Santa Ana</u>	<u>NAFCO</u>	<u>SPS Technologies Ltd.</u>	<u>Bristol Industries</u>
.190 - 32	AS63476	*	AS63476	AS63476	AS63476
.250 - 28	AS63477	AS63477	AS63477	AS63477	AS63477
.3125 - 24	AS63478	*		AS63478	*
.375 - 24	AS63479	*	AS63479	AS63479	AS63479

Refer to Notes: on pages 7 & 8 for manufacturer / distributor and product information

NUTS, SELF LOCKING (Contd.)

Shank, Flange Restrained (AS63480 thru 63529)

<u>Thread Size (UNJF 3B)</u>	<u>SAE ITC Part No.</u>	<u>Blanc Aero Industries</u>	<u>SPS Technologies Santa Ana</u>	<u>NAFCO</u>	<u>SPS Technologies Ltd.</u>	<u>Bristol Industries</u>
.190 - 32	AS63482	*	*	AS63482	*	AS63482
.190 - 32	AS63483	*	*		*	AS63483
.250 - 28	AS63487	*	AS63487	AS63487	AS63487	AS63487
.250 - 28	AS63491	*	*	AS63491	AS63491	AS63491
.250 - 28	AS63492	*	*	AS63492	AS63492	AS63492
.3125 - 24	AS63500	*	*		*	AS63500
.4375 - 20	AS63520	AS63520	*		AS63520	*
.500 - 20	AS63521	*	*		AS63521	*
.500 - 20	AS63522	*	*		AS63522	*

Shank, Flange Restrained (AS63530 thru 63535)

There are no manufacturers currently qualified to produce these parts

Plate (AS63536 thru 63539)

<u>Thread Size (UNJF 3B)</u>	<u>SAE ITC Part No.</u>	<u>SPS Technologies Santa Ana</u>	<u>Bristol Industries</u>
.1900-32		AS63536	*
.2500 - 28	AS63536 AS63537	AS63537	AS63537
.3125 - 24	AS63538	AS63538	*

Shank, Flange Restrained, Waspaloy (AS63540 thru 63589)

<u>Thread Size (UNJF 3B)</u>	<u>SAE ITC Part No.</u>	<u>Blanc Aero Industries</u>	<u>NAFCO</u>	<u>SPS Technologies Ltd.</u>	<u>Bristol Industries</u>
.190 - 32	AS63542	*		AS63542	AS63542
.250 - 28	AS63547	*		AS63547	*
.3125 - 24	AS63560	AS63560	AS63560	*	AS63560
.375 - 24	AS63573	AS63573		AS63573	AS63573
.500 - 20	AS63581	*	AS63581	*	AS63581

Shank, Flange Restrained, 0.2500-28UNJF-3B, BS.A346 (ISO3161) with 2g, 5, 12g and 18g Additional Mass

<u>Thread Size (UNJF 3B)</u>	<u>SAE ITC Part No.</u>	<u>SPS Technologies Ltd.</u>	<u>Alcoa/St Cosme</u>
Mass 2g	AS65111-2	AS65111-2	AS65111-2*
Mass 5g	AS65111-5	AS65111-5	*
Mass 12g	AS65111-12	*	*
Mass 18g	AS65111-18	*	*

Shank, Flange Restrained, 0.3750-24UNJF-3B, BS.A346 (ISO3161) with 3g, 5, 15g Additional Mass

<u>Thread Size (UNJF 3B)</u>	<u>SAE ITC Part No.</u>	<u>SPS Technologies Ltd., T J Brooks Div</u>
Mass 3g	AS65113-3	AS65113-3
Mass 5g	AS65113-5	AS65113-5
Mass 12g	AS65113-12	AS65113-15

Refer to Notes: on pages 7 & 8 for manufacturer / distributor and product information

* Parts manufactured after April 2015 are not qualified.

Spline Drive – BS HR650 (AMS5737 or AMS5732) (AS64366 thru 64374)

<u>Thread Size (UNJF 3B)</u>	<u>SAE ITC Part No.</u>	<u>SPS Technologies</u>	<u>Lisi Aerospace</u>	<u>SPS Technologies</u>	<u>Bristol Industries</u>
		<u>T J Brooks Div</u>	<u>Blanc Aero Ind</u>	<u>Ltd.</u>	
.1900 - 32	AS64366	*	*	*	*
.2500 - 28	AS64367	AS64367	AS64367	AS64367	AS64367
.3125 - 24	AS64368	*	*	*	*
.3750 - 24	AS64369	*	*	*	*
.4375 - 20	AS64370	*	*	*	*
.5000 - 20	AS64371	*	*	*	*

NUTS, SELF LOCKING (Contd.)

Reduced Hexagon, Deep Counterbored, Inch Series for use with impedance type bolts up to 425°C (AS64375 thru 64378)

<u>Thread Size (UNJF 3B)</u>	<u>SAE ITC Part No.</u>	<u>Lisi Aerospace</u>	<u>SPS Technologies</u>	<u>Bristol Industries</u>
		<u>Blanc Aero Ind</u>	<u>Ltd.</u>	
.2500 - 28	AS64376	AS64376	AS64376	*
.3125 - 32	AS64377	*	AS64377	*

Extended Washer, Double Hexagon for use with impedance type bolts (AS64379 thru 64380)

There are no manufacturers currently qualified to produce these parts

Stiffnuts, Hexagon, Thick (AGS2001)

<u>Suffix 66 (All Metals)</u>	<u>Arnold Wragg</u>	<u>Manufacturer and Parts qualified</u>		
		<u>Satair Hardware UK Ltd</u>	<u>B.A.S. Aerospace Ltd.</u>	<u>Philidas Ltd.</u>
Mild Steel (1)	All Sizes	*	*	4BA, 2BA, 1/4 BSF & 3/8BSF
Corrosion Resistant Steel (2)	6BA, 4BA, 2BA, 1/4BSF, 3/8BSF, 7/16BSF & 3/4BSF	*	*	6BA, 4BA, 2BA
Aluminium Alloy (3)	4BA, 2BA, 1/4BSF, 3/8BSF & 5/16BSF	*	*	*
Brass or Bronze (4)	2BA	*	*	*
<u>Suffix 77 (Non Metallic Friction Element)</u>				
Mild Steel (1)	4BA & 2BA	*	*	*
Corrosion Resistant Steel (2)	6BA, 5/16BSF	*	*	*
Aluminium Alloy (3)	2BA, 4BA, 5/16BSF	*	*	*
Brass or Bronze (4)	*	*	*	*

Stiffnuts, Hexagon, Thin (AGS2002)

<u>Suffix 66 (All Metals)</u>	<u>Arnold Wragg</u>	<u>Manufacturer and Parts qualified</u>		
		<u>Satair Hardware UK Ltd</u>	<u>B.A.S. Aerospace Ltd.</u>	<u>Philidas Ltd.</u>
Mild Steel (1)	6BA, 4BA, 2BA, 1/4 BSF, 5/16 BSF, 7/16BSF, 3/8 BSF	*	*	4BA, 2BA, 1/4 BSF & 3/8BSF
Corrosion Resistant Steel (2)	6BA, 4BA, 2BA, 1/4 BSF & 5/16 BSF	*	*	6BA, 4BA, 2BA
Aluminium Alloy (3)	2BA, 5/16BSF	*	*	*
Brass or Bronze (4)	4BA	*	*	*
<u>Suffix 77 (Non Metallic Friction Element)</u>				
Mild Steel (1)	6BA, 2BA	*	*	*
Corrosion Resistant Steel (2)	6BA, 2BA	*	*	*
Aluminium Alloy (3)	2BA	*	*	*
Brass or Bronze (4)	2BA	*	*	*

NUTS, SELF LOCKING (Contd.)

Stiffnuts, Clinch (AGS2011)

<u>Suffix 66 (All Metals)</u>	<u>Manufacturer and Parts qualified</u>			
	<u>Satair Hardware UK Ltd.</u>	<u>Arnold Wragg</u>	<u>B.A.S. Aerospace Ltd.</u>	<u>Philidas Ltd.</u>
Mild Steel (1)	*	6BA & 4BA	*	4BA, 2BA & 1/4 BSF
Corrosion Resistant Steel (2)	*	*	*	*
Aluminium Alloy (3)	*	*	*	*
Brass or Bronze (4)	*	^	*	*
<u>Suffix 77 (Non Metallic Friction Element)</u>				
Mild Steel (1)	*	*	*	*
Corrosion Resistant Steel (2)	*	*	*	*
Aluminium Alloy (3)	*	*	*	*
Brass or Bronze (4)	*	*	*	*

Stiffnuts, Floating Anchor, Thick (AGS2012)

<u>Suffix 66 (All Metals)</u>	<u>Manufacturer and Parts qualified</u>		
	<u>Arnold Wragg</u>	<u>Satair Hardware UK Ltd.</u>	<u>B.A.S. Aerospace Ltd.</u>
Mild Steel (11) Attachment Plate/Nut & Baseplate	1/4BSF	*	*
Aluminium Alloy (31) Attachment Plate/Nut & Baseplate	*	*	*
Aluminium Alloy (32) Attachment Plate Nut & Base plate Non Corrodible Steel	2BA, 4BA & 1/4BSF	*	*
Aluminium Alloy (33) Attachment Plate/Mild Steel Nut & Baseplate	*	*	*
<u>Suffix 77 (Non Metallic Friction Element)</u>			
Mild Steel (1) Attachment Plate/Nut & Baseplate	2BA	*	*
Aluminium Alloy (32) Attachment Plate/Nut & Baseplate Non Corrodible Steel	2BA, 4BA & 1/4BSF	*	*
Aluminium Alloy (33) Attachment Plate/Mild Steel Nut & Baseplate	*	*	*

Stiffnuts, Floating Anchor, Thin (AGS2013)

<u>Suffix 66 (All Metals)</u>	<u>Manufacturer and Parts qualified</u>		
	<u>Arnold Wragg</u>	<u>Satair Hardware UK Ltd.</u>	<u>B.A.S. Aerospace Ltd.</u>
Mild Steel (11) Attachment Plate/Nut & Baseplate	2BA	*	*
Aluminium Alloy (32) Attachment Plate/Nut & Baseplate Non Corrodible Steel	2BA, 4BA & 1/4BSF	*	*
Aluminium Alloy (31) Attachment Plate/Mild Steel Nut & Baseplate	2BA	*	*
<u>Suffix 77 (Non Metallic Friction Element)</u>			
Mild Steel (1) Attachment Plate/Nut & Baseplate	*	*	*
Aluminium Alloy (33) Attachment Plate/Nut & Baseplate	*	*	*
Aluminium Alloy (33) Attachment Plate/Mild Steel Nut & Baseplate	*	*	*

Refer to Notes: on pages 7 & 8 for manufacturer / distributor and product information.

NUTS, SELF LOCKING (Contd.)

Stiffnuts, Floating Anchor, Contersunk (AGS2014)

<u>Suffix 66 (All Metals)</u>	<u>Manufacturer and Parts qualified</u>		
	<u>Arnold Wragg</u>	<u>Satair Hardware UK Ltd.</u>	<u>B.A.S. Aerospace Ltd.</u>
Mild Steel (11) Attachment Plate/Nut & Baseplate	2BA	*	*
Aluminium Alloy (33) Attachment Plate/Nut & Baseplate	*	*	*
Aluminium Alloy (33) Attachment Plate/Mild Steel Nut & Baseplate	*	*	*
<u>Suffix 77 (Non Metallic Friction Element)</u>			
Mild Steel (1) Attachment Plate/Nut & Baseplate	*	*	*
Aluminium Alloy (33) Attachment Plate/Nut & Baseplate	*	*	*
Aluminium Alloy (33) Attachment Plate/Mild Steel Nut & Baseplate	*	*	*

Stiffnuts, Stripnuts, Thick (AGS2015)

There are no manufacturers currently qualified to produce these parts

Stiffnuts, Stripnuts, Thin (AGS2016)

There are no manufacturers currently qualified to produce these parts

Stiffnuts, Single Anchor, Thick (AGS2018)

<u>Suffix 66 (All Metals)</u>	<u>Manufacturer and Parts qualified</u>		
	<u>Arnold Wragg</u>	<u>Satair Hardware UK Ltd.</u>	<u>B.A.S. Aerospace Ltd.</u>
Mild Steel (1)	2BA, 4BA	*	*
Corrosion Resistant Steel (2)	*	*	*
Aluminium Alloy (3)	*	*	*
Brass or Bronze (4)	*	*	*
<u>Suffix 77 (Non Metallic Friction Element)</u>			
Mild Steel (1)	*	*	*
Corrosion Resistant Steel (2)	*	*	*
Aluminium Alloy (3)	*	*	*
Brass or Bronze (4)	*	*	*

Stiffnuts, Single Anchor, Thin (AGS2019)

<u>Suffix 66 (All Metals)</u>	<u>Manufacturer and Parts qualified</u>		
	<u>Arnold Wragg</u>	<u>Satair Hardware UK Ltd.</u>	<u>B.A.S. Aerospace Ltd.</u>
Mild Steel (1)	2BA	*	*
Corrosion Resistant Steel (2)	*	*	*
Aluminium Alloy (3)	*	*	*
Brass or Bronze (4)	*	*	*
<u>Suffix 77 (Non Metallic Friction Element)</u>			
Mild Steel (1)	*	*	*
Corrosion Resistant Steel (2)	*	*	*
Aluminium Alloy (3)	*	*	*
Brass or Bronze (4)	*	*	*

Refer to Notes: on pages 7 & 8 for manufacturer / distributor and product information.

NUTS, SELF LOCKING (Contd.)

Stiffnuts, Clinch (AGS2020)

<u>Suffix 66 (All Metals)</u>	<u>Manufacturer and Parts qualified</u>	
	<u>Arnold Wragg</u>	<u>Satair Hardware UK Ltd.</u>
Mild Steel (1)	1/4BSF	*
Corrosion Resistant Steel (2)	*	*
Aluminium Alloy (3)	*	*
Brass or Bronze (4)	*	*

<u>Suffix 77 (Non Metallic Friction Element)</u>	<u>Arnold Wragg</u>	<u>Satair Hardware UK Ltd.</u>
Mild Steel (1)	1/4BSF	*
Corrosion Resistant Steel (2)	*	*
Aluminium Alloy (3)	*	*
Brass or Bronze (4)	*	*

Stiffnuts, with Translucent Cap (AGS2021)

<u>Suffix 77 (Non Metallic Friction Element)</u>	<u>Arnold Wragg</u>	<u>Satair Hardware UK Ltd.</u>	<u>B. A. S. Components Ltd.</u>
Mild Steel (1)	2BA, 4BA	*	*
Corrosion Resistant Steel (2)	2BA & 4BA	*	*
Aluminium Alloy (3)	2BA	*	*
Brass or Bronze (4)		*	*

Stiffnuts, Double Anchor, with Translucent Cap (AGS2023)

<u>Suffix 77 (Non Metallic Friction Element)</u>	<u>Arnold Wragg</u>	<u>B. A. S. Components Ltd.</u>
Mild Steel (1)	2BA	*
Corrosion Resistant Steel (2)	*	*
Aluminium Alloy (3)	*	*
Brass or Bronze (4)	*	*

Union, Tube & Hose Coupling (AS64350 thru 64360)

<u>Thread Size</u>	<u>SAE ITC Part No.</u>	<u>SPS Technologies</u>	<u>Alcoa Fullerton</u>	<u>B&D Patterns Ltd.</u>
.1875	AS64350	AS64350	AS64350	AS64350
.250	AS64351	AS64351	AS64351	AS64351
.3125	AS64352	AS64352	AS64352	AS64352
..375	AS64353	AS64353	AS64353	AS64353
.4375	AS64354	AS64354	AS64354	AS64354
.500	AS64355	AS64355	AS64355	AS64355
.625	AS64356	AS64356	AS64356	AS64356
.750	AS64357	AS64357	AS64357	AS64357
.875	AS64358	*	*	*
1.000	AS64359	AS64359	AS64359	AS64359
1.250	AS64360	AS64360	AS64360	AS64360

PINS, QUICK RELEASE (BALL TYPE), METRIC

AS63402 'T' Handle
AS63403 'L' Handle

There are no manufacturers currently qualified to produce these parts

Refer to Notes: on pages 7 & 8 for manufacturer / distributor and product information.

PINS, QUICK RELEASE (PUSH & PULL TYPE PIP PIN), IMPERIAL

AS64363 Quick Release Pip Pin Push Pull

There are no manufacturers currently qualified to produce these parts

Part Number

AS64363 – 4**	All assigned parts
AS64363 – 5**	All assigned parts
AS64363 – 6**	All assigned parts
AS64363 – 7**	All assigned parts

PINS, QUICK RELEASE (PUSH TYPE PIP PIN WITH HANDLE), IMPERIAL

AS64364 Quick Release Push Type Pip Pin With Handle

There are no manufacturers currently qualified to produce these parts

Part Number

AS64364 – 4**	All assigned parts
AS64364 – 5**	All assigned parts
AS64364 – 6**	All assigned parts
AS64364 – 7**	All assigned parts
AS64364 – 8**	All assigned parts

PINS, QUICK RELEASE (PULL TYPE PIP PIN 3/16" DIAMETER)

AS64365 Quick Release Pull Type Pip Pin

There are no manufacturers currently qualified to produce these parts

RINGS, SEALING, TOROIDAL

AS parts meeting the requirements of SAE ITC Technical Specification No.54 and in the following materials:

	<u>Manufacturer</u>	<u>Compound Reference</u>
AS12800, & AS12801 (DTD5603 Grade B)	Hallite Polytek Ltd.	9025721
	Trelleborg Sealing Solutions	2594
AS25361 & AS25371 (DTD5608 Grade 80)	No Manufacturer Qualified	2397/1
AS43003 & AS43013 (DTD5613 Grade 80, EN2798 & AMS7276)	Hallite Polytek Ltd.	9026041
	International Seal- FNGP	V75
	Precix Inc.	F13791
	Trelleborg Sealing Solutions	2129
AS43014 (DTD5613 Grade 90)	Hallite Polytek Ltd.	9026051

RING, RETAINING (FRICTION LOCKING) AS42951 SERIES

Manufacturer

Cross Manufacturing Co. (1938) Ltd.

Parts Qualified

All Sizes

Refer to Notes: on pages 7 & 8 for manufacturer / distributor and product information.

RIVETS

SAE ITC Part Number

Manufacturer and Parts Qualified

Cherry Aerospace

AGS4719 / 4719L	*
AGS4720 / 4720L	*
AS46784 / AS46784L thru 46785 / 46785L	*
AS46786 / AS46786L thru 46787 / 46787L	*
AS46788 / AS46788L	*
AS46789 / AS46789L	*
AS46790 / AS46790L	*
AS46791 / AS46791L	*
AS63240 thru 63245	*
AS63250 thru 63255	*
AS63260 thru 63261	*
AS63270 thru 63271	*
AS64400 / AS64400L	*
AS64401 / AS64401L	AS64401(L)
AS64402 / AS64402L	AS64402(L)
AS64403 / AS64403L	*
AS64404 / AS64404L	AS64404(L)
AS64405 / AS64405L	AS64405(L)

SAFETY CABLE AND FERRULES

Manufactured to the requirements of SBAC Technical Specification No. 167

Manufacturer and Parts Qualified

<u>SAE ITC Part Number</u>	<u>Daniels Manufacturing</u>	<u>Bergen Cable Technologies</u>
AS63236 (0,58mm Safety Cable)	AS63236	*
AS63237 (0,89mm Safety Cable)	AS63237	*
AS63238 (Ferrule)	AS63238	*
AS63239 (Ferrule)	AS63239	*
AS63297 (0,89mm Safety Cable)	AS63297	*
AS63298 (Ferrule – extended)	*	*
AS63299 (Ferrule – extended)	AS63299	*

SOCKET WRENCH, DOUBLE HEXAGON, FLANK DRIVE (AS40600 thru AS40649)

Manufacturer and Parts Qualified

<u>Size A/F</u>	<u>SAE ITC Part Number</u>	<u>Snap-On Tools</u>
.188	AS40604	*
.219	AS40605	*
.250	AS40606	*
.312	AS40608	*
.344	AS40609	*
.375	AS40610	*
.438	AS40611	*

RING WRENCH, DOUBLE HEXAGON, DOUBLE ENDED (AS62120 thru AS62129)

There are no manufacturers currently qualified to produce these parts

Refer to Notes: on pages 7 & 8 for manufacturer / distributor and product information.

CLAMP CUSHIONS (ELCTRICAL HARNESS AND PIPE, INCLUDES SNAP LOCK TYPE)

Manufactured to meet the requirements of SAE ITC Technical Specification No. 147

Manufacturer

Cushion Material Reference

TA Manufacturing Inc.

TA9798

ESPA

T30C

Manufactured to meet the requirements of SAE ITC Technical Specification No. 170

Manufacturer

Parts Qualified

Adel Wiggins Group

AS63200 – 235 All in Range

AS65200 – 235 All in Range

HIGH TEMPERATURE ELECTRICAL CONNECTORS (ESC SERIES)

ESC10 – Complete Assemblies

Manufacturer

Parts Qualified

Class KE

Class SE

Class YE

Sonitronies, S.A. de C.V.
DPTO A.E. Petsche

All Sizes

All Sizes

*

Aeroflite

All Sizes

All Sizes

*

Amphenol Limited (UK)

All Sizes

All Sizes

All Sizes

Kapco Global

All Sizes

All Sizes

*

Connecteurs Electriques Deutsch

All Sizes

All Sizes

All Sizes

Hi-Rel Connectors Inc.

All Sizes

All Sizes

All Sizes

Sealtron Inc.

*

*

All Sizes

Souriau

All Sizes

All Sizes

All Sizes

ESC30 – Contacts

Amphenol Aerospace (USA)

All Sizes

Connecteurs Electriques Deutsch

All sizes

Souriau

All Sizes

Tri-Star Electronics Inc.

All Sizes

ESC50, ESC51 & ESC52 – End Fittings

ESC50

ESC51

ESC52

Glenair UK Ltd.

All Sizes

All Sizes

All Sizes

Polamco Ltd.

All Sizes

All Sizes

All Sizes

Amphenol India

*

All Sizes

All Sizes

ESC53 – Bushes (Manufactured to the requirements of SBAC Technical Specification No. 377)

Compound Reference

Sizes

Amphenol Interconnet India Pvt Ltd

STD-303 Iss 1

All Sizes

Polamco Ltd.

POL-011120

All Sizes

Refer to Notes: on pages 7 & 8 for manufacturer / distributor and product information.

ESC61 – Outlet Nut

Manufacturer

Glenair UK Ltd.

Parts Qualified

All Sizes

ESC62 – Outlet

Glenair UK Ltd.

All Sizes

ESC63 – Clip

Glenair UK Ltd.

All Sizes

ESC65, 66 & 67 – Backshells, Anti Decoupling (MS3155 Connector Interface Mod)

Diverse Termination Products Inc.

All Sizes

Glenair UK Ltd.

All Sizes

Kembrey Engineering Ltd.

All Sizes

Polamco Ltd.

All Sizes

Amphenol India

All Sizes

Uni-Mill Engineering Ltd.

All Sizes

HIGH TEMPERATURE ELECTRICAL CONNECTORS (ESC SERIES) (Contd.)

ESC72, 73 & 74 – Backshells, Anti Decoupling (MS3155 Connector Interface Mod)

Manufacturer

Glenair UK Ltd.

Polamco Ltd

Parts Qualified

All Sizes

All Sizes

ESC75, 76 & 77 – Backshells, 100% Anti Decoupling

Manufacturer

Glenair UK Ltd.

Kembrey Engineering Ltd.

Polamco Ltd.

Uni-Mill Engineering Ltd.

Amphenol Interconnect India Pvt Ltd

Parts Qualified

All Sizes

All Sizes
















All Sizes

All Sizes

All Sizes

Refer to Notes: on pages 7 & 8 for manufacturer / distributor and product information.

MANUFACTURERS IDENT SYMBOLS

Alcoa Fastening Systems Fullerton Operations	K & C	Kaynar (Microdot) (Inserts)	
Alcoa Fastening Systems Toulouse Operations (formerly Fairchild Fasteners (Mecaero)	M	Morton Manufacturing	
Alcoa Fastening System Saint-Cosme Operations	SD	NAFCO	
Arnold Wragg	<i>AW</i>	Paolo Astori Spa	
Armstrong Precision Components		SPS Technologies Ltd (T.J. Brooks Division)	TBJ
Avialec		SPS Technologies (Santa Ana)	
B&D Patterns		TA Manufacturing Inc.	ta
B.A.S. Aerospace Ltd	BTL	Textron Aerospace Fasteners (Avdel)	
Blanc Aero Industries		Textron Aerospace Fasteners (Santa Ana)	
Dunlop Aerospace Precision Rubber	DPR	The Monadnock Company	TMC
Fairchild Fasteners (Rosan) (Inserts)	<i>Ri</i> 	Uni-Mill Engineering Ltd	UNI-MILL
Fairchild Fasteners (South Bay)		Valley Todeco	
Farsound Engineering Ltd			
Glenair UK Ltd			
Kaynar	K		
(Metric)			

Based on information available at time of publication

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

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Adel Wiggins Group (UK Sales)

Orkal Industries LLC Tel: 01453 833213 Fax: 01453 835808 email: smccarrick@orkal.com
3 Park Road, Nailsworth, Stroud, Gloucestershire GL6 0HW

**Alcoa Fastening Systems (UK)
(formerly Fairchild Fasteners UK)** Tel: 01530 518900 Fax: 01530 518910 email:
Unit 6, Bardon 22 Industrial Estate, Bardon Hill, Coalville, Leicestershire LE67 1TE, UNITED KINGDOM

**Alcoa Fastening Systems - Fullerton Operations
(formerly Fairchild Fasteners)** Tel: 714 871 1550 Fax: 714 680 0175 email:
800, South State College Boulevard, Fullerton, California 92834, USA

Alcoa fastening Systems Leicester Uk Tel: 0116 288 1192 Fax: 0116 257 2903 email:
lnquality@compuserve.com
(formerly Linread Northbridge)
Viking Road, Wigston, Leicester LE8 1BT, UNITED KINGDOM

**Alcoa Fastening Melbourne Pty
(formerly Fairchild Fasteners)** Tel: 3 8545 3381 Fax: 3 8545 3391 email:
1508 Centre Road, Clayton, 3168, Victoria, AUSTRALIA

**Alcoa Fastening Systems/Toulouse Operations
(formerly Fairchild Fasteners/Mecaero)** Tel: 5 61 51 82 30 Fax: 5 61 51 60 78email:
Boulevard du Grand Castaing, Roques, 31128 Portet sur Garonne, Toulouse, FRANCE

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9, Rue des Cressonnieres, 72110 Saint-Cosme-en-Varais, France

Amphenol Aerospace Tel: 607 563 5011 Fax: 607 563 5157 email:
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105 Bhosari Industrial Area, PUNE-411026, Maharashtra, India

Amphenol Limited Tel: 01227 773200 Fax: 01227 276571 email: info@amphenol.co.uk
Thanet Way, Whistable, Kent CT5 3LX, UNITED KINGDOM

Arnold Wragg Ltd. Tel: 0114 233 1155 Fax: 0114 233 1169 email: sales@arnold-wragg.com
Unit 2, Parkway 1 Business Centre, Parkway Drive, Sheffield S9 4WU, UNITED KINGDOM

Böllhoff Armstrong Ltd. Tel: 01482 325425 Fax: 01482 327229 email:
Stoneferry Business Park, Foster Street, Hull HU8 8BT, UNITED KINGDOM

Blanc Aerospace See Lisi Aerospace

B.A.S. Aerospace Ltd Tel: 01732 450011 Fax: 01732 455884 email: info@bas-components.co.uk
2 Cramptons Road, Sevenoaks, Kent TN14 5EF, UNITED KINGDOM

Bergen Cable Technologies Tel: 201 487 3521 Fax: email:
343 Kaplan Drive, Fairfield, New Jersey 07004 USA

MANUFACTURERS' ADDRESSES (Contd.)

Bristol Industries	Tel: 714 990 4121	Fax: 714 529 6726	email:
630 East Lambert Road, P.O.Box 630/Brea, California 92622, USA			
Carr Lane Mfg. Co.	Tel: 314 647 6200	Fax: 314 647 2218	email: info@carrlane.com
4100 Carr Lane Ct., St. Louis, MO 63119-7970, USA			
Connecteurs Electriques Deutsch (CED)	Tel: (0033) 232 235 700		
17 Rue Lavoisier BP 117, 27091 Evreux Cedex 9, FRANCE			
Cross Manufacturing Co (1938) Ltd	Tel: 01380 722421	Fax: 01380 722405	email: mail@cross-devizes.com
Hopton Park, London Road, Devizes, Wiltshire SN10 2EY, UNITED KINGDOM			
Daniels Manufacturing Corp.	Tel: 407 855 6161	Fax: 407 855 6884	email:
526 Thorpe Road, Orlando, Florida 42824-8133, USA			
Dunlop Aerospace Precision Rubber	Tel: 01509 500 000	Fax: 01509 500 150	email: p.lewin@dunlop-precision.co.uk
Ashby Road, Shepshed, Loughborough, Leicestershire LE12 9EQ, UNITED KINGDOM			
Emhart Teknologies	Tel: 203 830 3724	Fax: 800 732 3116	email:
4 Shelter Rock Lane, Danbury, Connecticut CT 06810, USA			
Fairchild Fasteners South Bay Operations	Tel: 714 641 8800	Fax: 714 641 8801	email:
3000 West Lomita Boulevard, Torrance, California 90505, USA			
Farsound Engineering Ltd	Tel: 0208 498 3888	Fax: 0208 498 3887	email:
Ashton Road, Romford, Essex RM3 8UH, UNITED KINGDOM			
Fastavia Limited	Tel: 0161 483 8300	Fax: 0161 483 4700	email:
13 Vine Street, Hazel Grove, Stockport, Cheshire SK7 4JS, UNITED KINGDOM			
Glenair UK Limited	Tel: 01623 638100	Fax: 01623 638111	email:
40 Lower Oakham Way, Oakham Business Park, Mansfield, Notts, NG18 5BY, UNITED KINGDOM			
HCC Industries International	Tel: 01604 233101	Fax: 01604 232907	email:
Hazelwood Road, Northampton NN1 1LG, UNITED KINGDOM			
Hallite Polytek Ltd.	Tel: 0208 481 8300	Fax: 0208 941 3107	email:
130 Oldfield Road, Hampton, Middlesex TW12 2HT, UNITED KINGDOM			
Hi-Rel Connectors Inc.	Tel: 909 39 38999	Fax: 818 96 83723	email:
760 West Wharton Drive, Claremont, California 91711, USA			

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2041 East Wilshire Avenue, Santa Ana, California 92705, USA

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18 Rue Jean Vours, 12200 Villefranche de Rouerge, FRANCE

LISI Aerospace (FTB) Tel: +90 (232) 477 0 400 Fax: +90 (232) 477 0 499 email:
Ege Serbest Bolgesi Ayfer Sok No. 21, 35470 Gaziemir, IZMIR, Turkey

Lisi Canada
2000 Place Transcanadienne, Dorval, Quebec, H9P 2X5

Microdot UK Ltd. † Tel: Fax: email:
(division of SPS Technologies Santa Ana) NOTE: manufacturer has ceased trading

The Monadnock Company (Lisi) Tel: 626 964 6581 Fax: 626 965 5481 email:
18301 East Arenth Avenue, City of Industry, California 91748, USA

Morton Manufacturing Tel: 661 298 0895 Fax: email:
201 East Avenue K-15, Lancaster, CA 93535, USA

M. S. Aerospace Inc Tel: 818 833 9095 Fax: 818 833 9525
13928 Balboa Blvd, Sylmar, CA 91342 USA

NAFCO Tel: 003-4508868 Fax: 003-4604183
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NMB Minebea UK Limited Tel: 01522 500933 Fax: 01522 500975 email:
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O-Ring Division Europe, P.O.Box 40, D-74383 Pleidelsheim, GERMANY

Parker Hannifin Canada Tel: 705 325 2391 Fax: 705 325 5721 email:
255 Hughes Road, Orilla, Ontario L3V 2M3, CANADA

Philidas Limited Tel: 01977 704141 Fax: 01977 790338 email:
P.O.Box 10, Monkhill Lane, Pontefract, West.Yorkshire WF8 1RL, UNITED KINGDOM

Polamco Limited Tel: 01225 322500 Fax: 01225 425940 email: sales@polamco.co.uk
Weston Lock, Lower Bristol Road, Bath, UNITED KINGDOM

Precix Inc. Tel: Fax: email:
744 Belleville Avenue, New Bedford, MA 02745 – 6010, USA

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Shoreham Airport, Shoreham, West Sussex BN43 5FN, UNITED KINGDOM

Satair Hardware UK Ltd (formerly Lentern (Aircraft) Ltd) Tel: 01702 202 553 Fax: 01702 206 248 email:
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Sigma Precision Components UK Ltd Tel: 01455 445500 Fax: 01455 445501 email:
sales@bdpatterns.co.uk

Avingtrans plc (formerly B&D Patterns Ltd)

1 – 2, Alan Bray Close, Dodwell Bridge Industrial Estate, Hinckley, Leicestershire LE10 3BP UNITED KINGDOM

Simrit LP Tel: 01455 204444 Fax: 01455 204466 email:
Lutterworth, Leicestershire LE17 4HG UNITED KINGDOM

Snap-On Tools Ltd Tel: 01536 413800 Fax: 01536 413900 email:
Telford Way, Kettering, Northamptonshire NN16 8UN, UNITED KINGDOM

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2 Foster Avenue, Woodside Park, Dunstable, LU5 5TA, UNITED KINGDOM

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Trelleborg Sealing Solutions UK Ltd. (formerly Dowty Seals & TISSP UK Ltd) Tel: 01684 857 629 Fax: 01684 857 639 email: maurice.heritage@trelleborg.com

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Centro Nord-Sus, Stabile 2A, CH-6934 Bioggio, SWITZERLAND

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Wesco Aircraft UK Tel: 01484 867752 Fax: 01484 867711 email:

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