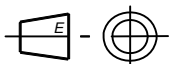
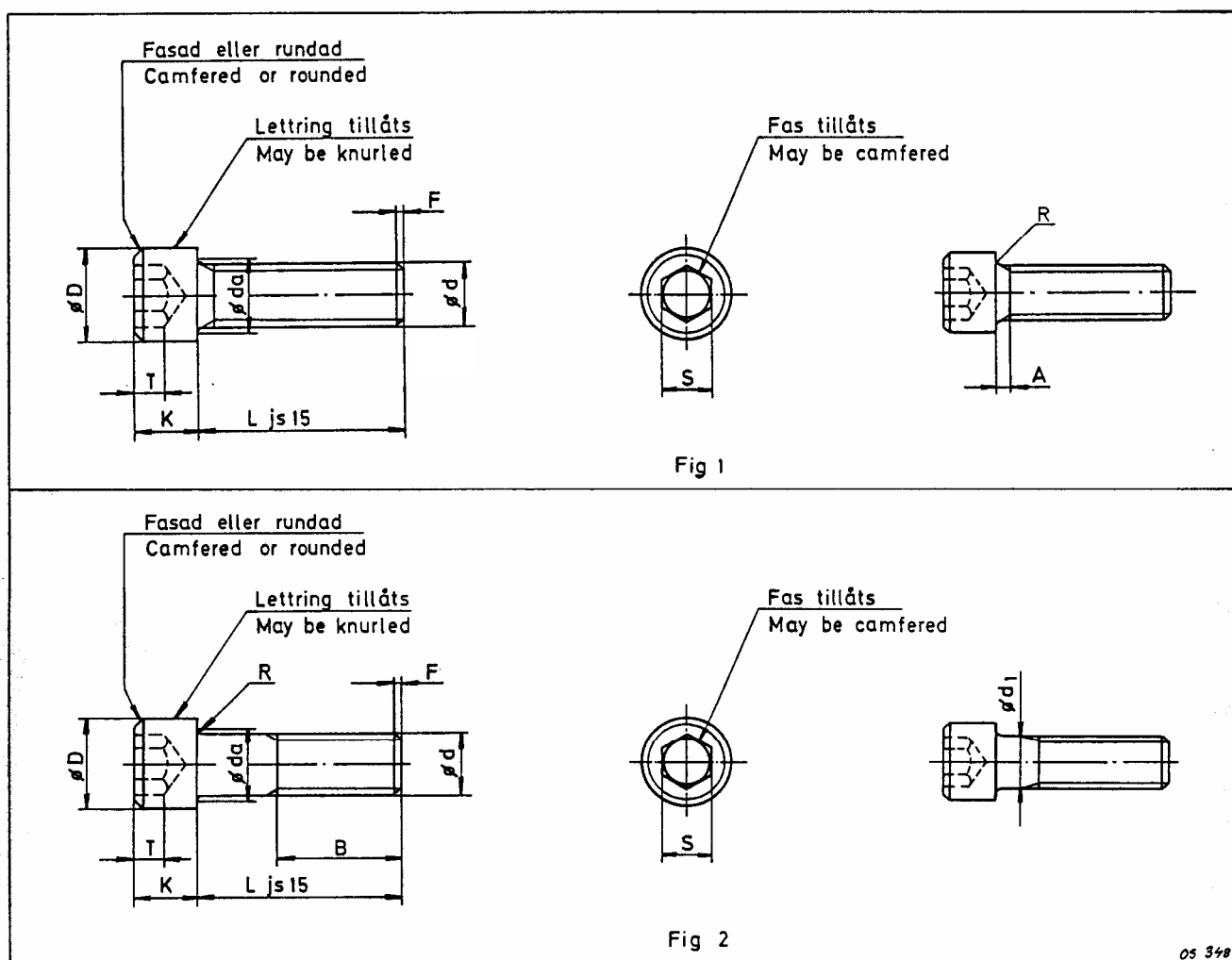


Prepared (also subject responsible if other)		No.		
EAB/FST ERAUSN		1301-SBA 168 Uen		
Approved	Checked	Date	Rev	Reference
EAB/FST (Kim Ljung)		2010-08-23	AC	



Screw



1

General

Screw MC6S. Stainless steel A4.

1.1

Description

Hexagon socket head screw according to ISO 4762 made of stainless steel A4.

Prepared (also subject responsible if other) EAB/FST ERAUSN		No. 1301-SBA 168 Uen		
Approved EAB/FST (Kim Ljung)	Checked	Date 2010-08-23	Rev AC	Reference

2 Design

Thread:	ISO metric screw threads. Coarse pitch. According to ISO 261 and ISO 965.
Driving feature:	Hexagon socket.
Material:	Stainless steel type A4 according to ISO 3506
Surface treatment:	Waxing, lubricant finish MTV 110 0002/1 The lubricant treatment is done to reduce friction and to prevent the threads to jam when mounting. Electropolishing ISO 15730:2000 . Only for products with prefix 1, see section 10.3.

2.1 Dimensions

Dimensions in mm.

2.2 Tolerances

According to ISO 965-1.

Prepared (also subject responsible if other)		No.		
EAB/FST ERAUSN		1301-SBA 168 Uen		
Approved	Checked	Date	Rev	Reference
EAB/FST (Kim Ljung)		2010-08-23	AC	

2.3 Technical data

Thread size d		M2	M2.5	M3	M4	M5	M6	M8	M 10	M12	M 20
P Pitch of the thread		0.4	0.45	0,5	0,7	0,8	1,0	1,25	1,5	1,75	2,5
d1	Max	2.0	2.5	3	4	5	6	8	10	12	20
	Min	1.86	2.36	2,86	3,82	4,82	5,82	7,78	9,78	11,73	19,67
D	max (2)	3.8	4.5	5,5	7	8,5	10	13	16	18	30
	max (3)	3.98	4.68	5,68	7,22	8,72	10,22	13,27	16,27	18,27	30,33
	Min	3.62	4.32	5,32	6,78	8,28	9,78	12,73	15,73	17,73	29,67
da	Max	2.6	3.1	3,6	4,7	5,7	6,8	9,2	11,2	13,7	22,4
A	Max(4)	-	-	1,5	2,1	2,4	3	4	4,5	5,3	7,5
K	Max	2	2.5	3	4	5	6	8	10	12	20
	Min	1.86	2.36	2,86	3,82	4,82	5,7	7,64	9,64	11,57	19,48
R	Min	0.1	0.1	0,1	0,2	0,2	0,25	0,4	0,4	0,6	0,8
S	Nom	1.5	2	2,5	3	4	5	6	8	10	17
	Max	1.52	2.02	2,58	3,08	4,09	5,14	6,14	8,175	10,175	17,23
	Min	1.545	2.045	2,52	3,02	4,02	5,02	6,02	8,025	10,025	17,05
T	Min	1	1.1	1,3	2	2,5	3	4	5	6	10
W	Min	0.55	0.85	1,15	1,4	1,9	2,3	3,3	4	4,8	8,6
F	(5)	-	-	-	-	-	-	-	-	-	-
B	ref (6)	16	17	18	20	22	24	28	32	36	52
Property class		-	-	80	80	80	80	80	80	80	80

(2) For plain heads.

(3) For knurled heads.

(4) Screws with thread up to the head.

(5) Point chamfered or for sizes M 4 and below "as rolled".

(6) The dimension applies only to part-threaded screws.

Dimensions according to ISO 4762. Other data according to ISO 4762.

Burrs:

The products shall have full surfaces and edges and all burrs removed that can cause injury to person or product.

Prepared (also subject responsible if other) EAB/FST ERAUSN		No. 1301-SBA 168 Uen		
Approved EAB/FST (Kim Ljung)	Checked	Date 2010-08-23	Rev AC	Reference

3 Product quality

The product must meet the requirements in Quality specification, 105 63-2031 Uen.

4 Marking

Each component shall be marked with the manufacturer's name and/or trademark.

If limit in space on the component the marking must be on the package. The marking on the component must be resistant to mechanical wearing and common fluids that may be used at normal handling, storage and operation.

5 Packing

The package shall be marked according to the following:

1. Ericsson product number.
2. Manufacturer's name or trademark and product designation.
3. Date of manufacture, preferably year and week in a digit code according to ISO 8601 (yyyyWvv) or batch code.
4. Number of components.

6 References

1003-101 Uen	STAKO classes, instruction.
105 63-2031 Uen	General quality requirements on components.
ISO 261:1998	ISO general-purpose metric screw threads.
ISO 898-1:1999	Mechanical properties of fasteners - Part 1.
ISO 965-1:1998	Tolerances – Part 1:Principles and basic data.
ISO 3269:2000	Fasteners – Acceptance inspection
ISO 4042:1999	Fasteners – Electroplated coatings.
ISO 4762	Hexagon socket head cap screws.

7 Note

In case of deviation on the purchased product and this document, Ericsson responsible must be informed before the deviations take place.

Prepared (also subject responsible if other)		No.		
EAB/FST ERAUSN		1301-SBA 168 Uen		
Approved	Checked	Date	Rev	Reference
EAB/FST (Kim Ljung)		2010-08-23	AC	

8 Purchase Information

8.1 Approved supplier/manufacturer

Approved suppliers are registered in Ericsson's list of suppliers, ELIZA.

9 Internal information

9.1 Inspection direction

Inspection according to ISO 3269.

10 Product list

10.1 Metallic bright and waxed screws

Product number	Thread	L	Treatment
SBA 168 020/0050	M2	5	
SBA 168 025/0080	M2.5	8	
SBA 168 025/0200	M2.5	20	
SBA 168 030/0050	M3	5	
SBA 168 030/0060	M3	6	
SBA 168 030/0080	M3	8	
SBA 168 030/0100	M3	10	
SBA 168 030/0120	M3	12	
SBA 168 030/0160	M3	16	
SBA 168 040/0080	M4	8	
SBA 168 040/0100	M4	10	
SBA 168 040/0120	M4	12	
SBA 168 040/0140	M4	14	
SBA 168 040/0160	M4	16	
SBA 168 040/0200	M4	20	
SBA 168 040/0550	M4	55	
SBA 168 050/0070	M5	7	
SBA 168 050/0080	M5	8	
SBA 168 050/0100	M5	10	
SBA 168 050/0120	M5	12	
SBA 168 050/0160	M5	16	
SBA 168 050/0200	M5	20	
SBA 168 050/0300	M5	30	
SBA 168 050/0400	M5	40	
SBA 168 050/0550	M5	55	
SBA 168 050/0700	M5	70	
SBA 168 060/0080	M6	8	
SBA 168 060/0100	M6	10	
SBA 168 060/0120	M6	12	

Prepared (also subject responsible if other)		No.		
EAB/FST ERAUSN		1301-SBA 168 Uen		
Approved	Checked	Date	Rev	Reference
EAB/FST (Kim Ljung)		2010-08-23	AC	

Product number	Thread d	L	Treatment
SBA 168 060/0140	M6	14	
SBA 168 060/0160	M6	16	
SBA 168 060/0200	M6	20	
SBA 168 060/0220	M6	22	
SBA 168 060/0250	M6	25	
SBA 168 060/0300	M6	30	
SBA 168 060/0400	M6	40	
SBA 168 060/0600	M6	60	
SBA 168 060/0800	M6	80	
SBA 168 060/0900	M6	90	
SBA 168 060/1200	M6	120	
SBA 168 080/0140	M8	14	
SBA 168 080/0160	M8	16	
SBA 168 080/0200	M8	20	
SBA 168 080/0250	M8	25	
SBA 168 080/0300	M8	30	
SBA 168 080/0400	M8	40	
SBA 168 080/0450	M8	45	
SBA 168 080/0600	M8	60	
SBA 168 080/0700	M8	70	
SBA 168 080/0900	M8	90	
SBA 168 100/0200	M10	20	
SBA 168 100/0250	M10	25	
SBA 168 100/0450	M10	45	
SBA 168 100/0500	M10	50	
SBA 168 100/0600	M10	60	
SBA 168 100/0800	M10	80	
SBA 168 200/0800	M20	80	
SBA 168 200/1000	M20	100	

10.2 Black nickel electroplated screws

Product number	Thread d	L	Treatment	Information
06/SBA 168 030/0080	M3	8	MZY 300 60	Use SBA 168 030/0080
06/SBA 168 040/0100	M4	10	MZY 300 60	Use SBA 168 040/0100
06/SBA 168 040/0120	M4	12	MZY 300 60	Use SBA 168 040/0120
06/SBA 168 040/0160	M4	16	MZY 300 60	Use SBA 168 040/0160
06/SBA 168 060/0120	M6	12	MZY 300 60	Use SBA 168 060/0120
06/SBA 168 060/0500	M6	50	MZY 300 60	Use SBA 168 060/0500

10.3 Electropolished screws

Product number	Thread d	L	Treatment
1/SBA 168 060/0160	M6	16	ISO 15730:2000

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Approved EAB/FST (Kim Ljung)	Checked	Date 2010-08-23	Rev AC	Reference

11 Document revision information

Revision	Description
AA	Document updated. 1/SBA 168 060 added.
AB	SBA 168 025/0200 and *040/0550 added. Removed *060/0500 (RE5 in Prim).
AC	Added SBA 168 100/0500 and SBA 168 100/0600