



1 **EU-TYPE EXAMINATION CERTIFICATE**

2 Component intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 Certificate Number: **Sira 07ATEX9187U** Issue: **4**

4 Component: **Fuel Dispenser Swivels**

5 Applicant: **Husky Corporation**

6 Address: 2325 Husky Way
Pacific
Missouri 63069
USA

7 This component and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

8 Sira Certification Service, notified body number 0518 in accordance with Articles 17 and 21 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this component has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of a component intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:

EN 13617-4:2012

EN 13463-1:2009

EN 1127:2011

The above list of documents may detail standards that do not appear on the UKAS Scope of Accreditation, but have been added through Sira's flexible scope of accreditation, which is available on request.

10 The sign 'U' is placed after the certificate number to indicate that the product assessed is a component and may be subject to further assessment when incorporated into equipment. Any limitations of use are listed in the schedule to this certificate.

11 This EU-Type Examination Certificate relates only to the design and construction of the specified component. If applicable, further requirements of this Directive apply to the manufacture and supply of this component.

12 The marking of the component shall include the following:

Models 2771, 3306, 3590 & 6949



II 1G
EN 13617-4
Style 1

Model 4605



II 1G
EN 13617-4
Style 2

Project Number 70188910

C Ellaby
Deputy Certification Manager

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13 DESCRIPTION OF COMPONENT

The **Type 3590 Swivels** are 'Style 1' devices, as defined by EN 13617-4 and are designed for fitting into the fuel delivery line between the hose and nozzle to allow swivelling of the nozzle in two planes. Each device comprises three-piece cast aluminium and zinc alloy parts retained by means of 'O' ring seals and a retaining ring.

The device is designed for operating pressures up to 3.5 bar and connection is by means of 3/4" BSPP.

Type 3306 Swivels - The Type 3306 swivels are 'Style 1' devices, as defined by EN 13617-4 and are designed for fitting into the fuel delivery line between the hose and nozzle to allow swivelling of the nozzle in two planes. Each device comprises three-piece cast aluminium and zinc alloy parts retained by means of 'O' ring seals and a retaining ring.

The device is designed for operating pressures up to 3.5 bar and connection is by means of 1" BSPP.

Type 4605 Swivels - The Type 4605 swivels are 'Style 2' devices, as defined by EN 13617-4 and are designed for fitting into the fuel delivery line between the hose and nozzle or dispenser and hose to allow swivelling of the nozzle or the hose in two planes. Each device comprises a main body assembled with the outlet swivel nut via ball bearing and the inlet swivel body via 66 stainless steel balls, 0,125" in diameter. The whole assembly is retained by means of 'O' ring seals and retaining rings. The device is made of cast aluminium and zinc alloy with the components retained by means of 'O' ring seals and retaining rings.

The device is designed for operating pressures up to 3.5 bar and connection is by means of M34 x 1.5.

Type 6949 Swivels - The Type 6949 swivels are 'Style 1' devices, as defined by EN 13617-4 and are designed for fitting into the fuel delivery line between the hose and nozzle to allow swivelling of the nozzle in two planes. Each device comprises a main body assembled with the outlet swivel nut via ball bearing and the inlet swivel body via 66 stainless steel balls, 0,125" in diameter. The whole assembly is retained by means of 'O' ring seals and retaining rings. The device is made of cast aluminium and zinc alloy with the components retained by means of 'O' ring seals and retaining rings.

The device is designed for operating pressures up to 3.5 bar and connection is by means of 1" BSPP.

Type 2771 Swivels - The Type 2771 - 90° swivels are 'Style 1' devices, as defined by EN 13617-4 and are designed for fitting into the fuel delivery line between the hose and nozzle to allow swivelling of the nozzle in one plane. Each device comprises two-piece cast aluminium and zinc alloy parts retained by means of 'O' ring seals and a retaining ring.

The device is designed for operating pressures up to 3.5 bar and connection is by means of 3/4" BSPP.

Variation 1 - This variation introduced the following changes:

- i. The recognition of minor drawing alteration and clarifications.
- ii. Following appropriate re-assessment to demonstrate compliance with the requirements of the latest version of EN 13463-1 the version originally listed in section 9, EN 13463-1:2001, was replaced by the one currently listed.
- iii. The introduction of the following types of swivels: 3306, 4605, 6949 & 2771 was approved.

Variation 2 - This variation introduced the following change:

- i. The recognition of minor drawing, material and dimensional changes.



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Variation 3 - This variation introduced the following change:

- i. Following appropriate assessment to demonstrate compliance with the latest technical knowledge, EN 13617-4:2004 and EN 1127-1:1997 were replaced by EN 13617-4:2012 and EN 1127-1:2011.

Variation 4 - This variation introduced the following changes:

- i. The recognition of an update to the top level drawing format for drawings: 002771A, 003306A, 003590A, 004605A & 006949A.
- ii. The marking was reviewed and the style of the swivel, Style 1 or Style 2 as appropriate, was recognised.
- iii. The name of the component on page 1 was changed to make it 'non-model' specific.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report no.	Comment
0	25 September 2007	R51M15986A	The release of the prime certificate.
1	17 September 2010	R21864A/00	The introduction of Variation 1.
2	15 August 2014	R27627A/00	The introduction of Variation 2.
3	04 June 2015	R70024215A	The introduction of Variation 3.
4	20 July 2018	R70188910A	This Issue covers the following changes: <ul style="list-style-type: none">• EC-Type Examination Certificate in accordance with 94/9/EC updated to EU-Type Examination Certificate in accordance with Directive 2014/34/EU. (In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Variations to such EC-Type Examination Certificates may continue to bear the original certificate number issued prior to 20 April 2016.)• The introduction of Variation 4.

15 SCHEDULE OF LIMITATIONS

None

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed in the reports listed in Section 14.2.

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17 CONDITIONS OF MANUFACTURE

- 17.1 The use of this certificate is subject to the Regulations Applicable to Holders of Sira Certificates.
- 17.2 Holders of EU-Type Examination Certificates are required to comply with the conformity to type requirements defined in Article 13 of Directive 2014/34/EU.
- 17.3 Devices shall be subjected to the routine and production acceptance tests required by Table 4 of EN 13617-4.

Certificate Annexe



Certificate Number: Sira 07ATEX9187U
Component: Fuel Dispenser Swivels
Applicant: Husky Corporation

Issue 0

Drawing	Sheets	Rev.	Date	Description
003590*	1 of 1	5	29 Aug 07	3590 (1 + VI) swivel. Certification details
003349	1 of 1	7	13 Sep 04	Swivel nut details
001146	1 of 1	14	29 Jan 03	Female part

* amended by Sira 14 September 2007

Issue 1

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
003590A	1 of 1	7	15 Sep 10	1+6 Swivel Assembly 3/4 x 3/4 BSP
003349	1 of 1	10	02 Sep 10	Swivel Nut 3/4 BSP
006084	1 of 1	2	02 Sep 10	1+6 Male Swivel 3/4 BSP
001146	1 of 1	16	02 Sep 10	1+6 Female Swivel 3/4 BSP
003306A	1 of 1	0	02 Sep 10	1+6T Swivel 1 x 1 BSP
003298	1 of 1	6	02 Sep 10	Swivel Nut 1 BSP
000092	1 of 1	12	02 Sep 10	1+6T Male Swivel 1 BSP
001673	1 of 1	8	02 Sep 10	1+6T Female Swivel 1 BSP
004605A	1 of 1	0	15 Sep 10	M34 Swivel Assembly
004592	1 of 1	12	02 Sep 10	Swivel Nut M34
004597	1 of 1	14	02 Sep 10	Male Swivel M34
004599	1 of 1	14	02 Sep 10	Female Swivel M34
006949A	1 of 1	0	02 Sep 10	How Flow Swivel Assembly 1 BSP
006913	1 of 1	0	02 Sep 10	Swivel Nut 1 BSP
006948	1 of 1	1	02 Sep 10	1+6T Male Swivel 1 BSP
006912	1 of 1	1	02 Sep 10	Female Swivel 1 BSP
002771A	1 of 1	0	02 Sep 10	1+6 Swivel Assembly 3/4 x 3/4 BSP (90°)
002773	1 of 1	0	02 Sep 10	Swivel Nut 3/4 BSP (90°)

Issue 2

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
003590A	1 of 1	1	07 Aug 12	New (1 + 6) Swivel 3/4 X 3/4 - BSP
003306A	1 of 1	1	07 Aug 12	1+6T Swivel Special BS21
003298	1 of 1	7	07 Aug 12	Nut, Swivel, 1 BSP, Machined
000092	1 of 1	13	07 Aug 12	Swivel, Male, 1+6T Machined
001673	1 of 1	9	07 Aug 12	Swivel, Female, 6T, MACH, BSP
004592	1 of 1	13	07 Aug 12	Nut, M34 Swivel, Plated
004597	1 of 1	15	07 Aug 12	Swivel, Male, M34, Machined
004599	1 of 1	16	07 Aug 12	Swivel, Female, M34, Machined
006913	1 of 1	2	07 Aug 12	Nut, 1 IN, Swivel, Plated, BSP.
006948	1 of 1	2	07 Aug 12	Swivel, Male, 1+6T, N/S, Machined, BSP
006912	1 of 1	2	07 Aug 12	Swivel, Female, BSP, Machined
002771A	1 of 1	1	07 Aug 12	1+6 90 DEG. Swivel, 3/4 M x 3/4 F, BSPP
002773	1 of 1	2	07 Aug 12	Nut, Swivel, 1+6, 90 DEG. BSPP, Machined

Note: Due to a change of the customer's drawing package which started a new drawing revision sequence, drawing 003590A, Rev 7, Sira stamp date 15 Sep 10 has now become drawing 003590A, Rev 1, Sira stamp date 07 Aug 12 as listed in Issues 1 and 2 respectively.

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Component: Fuel Dispenser Swivels
Applicant: Husky Corporation

The following obsolete drawing was removed from Issue 0.

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
000345	1 of 1	29	03 Nov 06	Male part

Issue 3: (No new drawings were introduced)

Issue 4

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
002771A	1 of 1	3	11 Jul 18	●1 + 6 90●3/4M X 3/4F BSP ATEX SWIVEL
003306A	1 of 1	3	11 Jul 18	●1 + 6T BS21 ATEX SWIVEL
003590A	1 of 1	3	11 Jul 18	●1 + 6 3/4 X 3/4 – BSP ATEX SWIVEL
004605A	1 of 1	2	11 Jul 18	●M34 INVERTED ATEX SWIVEL
006949A	1 of 1	2	11 Jul 18	●1" HIGH FLOW BSP ATEX SWIVEL

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