



1 **EU-TYPE EXAMINATION CERTIFICATE**

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

3 Certificate Number: **Sira 07ATEX9187U** Issue: **8**

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 CSA Group Netherlands B.V. notified body number 2813 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 13617-4:2021

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, 3306A, 3590A & 6949A



**II 1G
EN 13617-4
Style 1**

Model 4605A



**II 1G
EN 13617-4
Style 2**



Signed: **M Halliwell**

Title: **Director of Operations**

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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 z 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 z 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 z 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 z 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.

Variation 1 - This variation introduced the following changes:

- The recognition of minor drawing alteration and clarifications.
- 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.
- The introduction of the following types of swivels: 3306, 4605, 6949 & 2771 was approved.

Variation 2 - This variation introduced the following change:

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

Variation 3 - This variation introduced the following change:

- 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:

- The recognition of an update to the top level drawing format for drawings: 002771A, 003306A, 003590A, 004605A & 006949A.

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- 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.

Variation 5 - This variation introduced the following changes:

- i. To replace an aluminium nut (item 6 on drawing 004605A) with an identical steel version.

Variation 6 - This variation introduced the following changes:

- i. Change of fuel seal material for ATEX certificates.
- ii. Update certificate to the latest issues of the listed standards.
- iii. Modification of certificate details - update to description and for model deletions.

Variation 7 - This variation introduced the following changes:

- i. Ratification of drawing issue numbers between CSA Group and Husky Corporation records.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Reports and Certificate History

Issue	Date	Report number	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. <i>(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.)</i>• The introduction of Variation 4.
5	31 October 2019	0411	This Issue covers the following changes: <ul style="list-style-type: none">• Transfer of certificate Sira 07ATEX9187U from Sira Certification Service to CSA Group Netherlands B.V..• The marking label is updated to recognise a change to the referenced QAN Notified Body.
6	25 February 2022	R80114848A	The introduction of Variation 5.
7	31 July 2024	R80208714A	The introduction of Variation 6.
8	10 September 2024	R80210340A	The introduction of Variation 7.

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15 SCHEDULE OF LIMITATIONS

- 15.1 These products are not designed to be used for the delivery of aqueous urea solution such as but not limited to, AdBlue®, DEF (Diesel Exhaust Fluid) or Urea.*
- 15.2 ATEX certified products are not suitable for use with fuels containing methanol.

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.

17 CONDITIONS OF MANUFACTURE

- 17.1 The use of this certificate is subject to the Regulations Applicable to Holders of CSA Group Netherlands B.V. 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.

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Certificate Annexe



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

Issue 0

Drawing	Sheets	Rev.	Date (Stamp)	Title
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 (Stamp)	Title
003590A	1 of 1	7	15 Sep10	1+6 Swivel Assembly $\frac{3}{4}$ x $\frac{3}{4}$ BSP
003349	1 of 1	10	02 Sep 10	Swivel Nut $\frac{3}{4}$ BSP
006084	1 of 1	2	02 Sep 10	1+6 Male Swivel $\frac{3}{4}$ BSP
001146	1 of 1	16	02 Sep 10	1+6 Female Swivel $\frac{3}{4}$ 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 Sep10	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 $\frac{3}{4}$ x $\frac{3}{4}$ BSP (90°)
002773	1 of 1	0	02 Sep 10	Swivel Nut $\frac{3}{4}$ BSP (90°)

Issue 2

Drawing	Sheets	Rev.	Date (Stamp)	Title
003590A	1 of 1	1	07 Aug 12	New (1 + 6) Swivel $\frac{3}{4}$ X $\frac{3}{4}$ - 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, $\frac{3}{4}$ M x $\frac{3}{4}$ 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 (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 (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

Issue 5 (No new drawings were introduced)

Issue 6

Drawing	Sheets	Rev.	Date (Stamp)	Title
004605A	1 of 1	4	10 Feb 22	M34 INVERTED ATEX SWIVEL

Issue 7

Drawing	Sheets	Rev.	Date (Stamp)	Title
003590A	1 of 1	5	17 Jun 24	1+6 3/4 X 3/4-BSP ATEX SWIVEL
003306A	1 of 1	5	17 Jun 24	1 + 6T BS21 ATEX SWIVEL
006949A*	1 of 1	4	17 Jun 24	1" HIGH FLOW BSP ATEX SWIVEL
004605A*	1 of 1	4	17 Jun 24	M34 INVERTED ATEX SWIVEL

*Assembly does not have fluorosilicon 'O' ring seals.

The following obsolete components was removed from certificate:

Drawing	Sheets	Rev.	Date (Stamp)	Title
002771A	1 of 1	5	Remove	1+6 90*3/4MX3/4F BSP ATEX SWVL

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Drawing	Sheets	Rev.	Date (Stamp)	Title
003590A	1 of 1	5	14 May 24	1+6 3/4 X 3/4-BSP ATEX SWIVEL
003349	1 of 1	12	14 May 24	NUT, SWIVEL, 3/4, BSP (ISO228/1), MACHINED
006084	1 of 1	10	14 May 24	SWIVEL, MALE, 1+6, MACH, W/SLOT
001146	1 of 1	18	14 May 24	SWIVEL, FEMALE, 1+6, BSP (ISO228/1), MACHINED
003306A	1 of 1	4	14 May 24	1+6T BS21 ATEX SWIVEL
003298	1 of 1	10	14 May 24	NUT, SWIVEL, 1, BSP, MACHINED
000092	1 of 1	16	14 May 24	SWIVEL, MALE, 1+6T, MACHINED
001673	1 of 1	13	14 May 24	SWIVEL, FEMALE, 6T, MACH, BSP
004605A	1 of 1	4	14 May 24	M34 INVERTED ATEX SWIVEL
004592	1 of 1	17	14 May 24	NUT, M34 SWIVEL, PLATED
004597	1 of 1	22	14 May 24	SWIVEL, MALE, M34, MACHINED
004599	1 of 1	20	14 May 24	SWIVEL, FEMALE, M34, MACHINED
006949A	1 of 1	3	14 May 24	1" HIGH FLOW BSP ATEX SWIVEL
006913	1 of 1	3	14 May 24	NUT, 1 IN. SWIVEL, PLATED, BSP
006948	1 of 1	8	14 May 24	SWIVEL, MALE, 1+6T, N/S, MACHINED, BSP

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Certificate Number: Sira 07ATEX9187U
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Applicant: Husky Corporation

Drawing	Sheets	Rev.	Date (Stamp)	Title
006912	1 of 1	6	14 May 24	SWIVEL, FEMALE, BSP, MACHINED
002771A*	1 of 1	6	14 May 24	1+6 90° 3/4MX3/4F BSP ATEX SWVL

* Denotes this is an obsolete drawing kept on record for reference.

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