



Type Examination Certificate

- [2] - Directive 2014/34/EU -
Equipment and protective systems intended for use
in potentially explosive atmospheres
- [3] Type Examination Certificate Number: GEX 22 ATEX 1028X Issue 00
- [4] Product: Cutting Tools
- [5] Manufacturer: Safety Tools Allmet AS
- [6] Address: Straume Næringspark
Idrettsvegen 115
5353 Straume
Norway
- [7] This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- [8] Gexcon Certification AS Certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014.
- The examination and test results are recorded in confidential reports referred to in section 16.
- [9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 1127-1:2019 EN ISO 80079-36:2016 EN ISO 80079-37:2016, requirements for equipment with type of protection constructional safety "c" and requirements for equipment with type of protection control of ignition source "b"
- Except in respect to those requirements listed at section [18] of the schedule of this certificate.
- [10] If the sign "X" is placed after the certificate number, it indicates that the product is subject to specific conditions of use specified in the schedule to this certificate.
- [11] This Type Examination Certificate relates only to the design of the specified product and not to specific items of equipment subsequently manufactured.
- [12] The marking of the product shall include the following:
 II 2G Ex h IIA T4 Gb
II 2D Ex h IIIC T103°C Db

Ole Lund
Gexcon Certification AS
Bergen, 19. December 2023



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[13] **Schedule**

[14] Type Examination Certificate Number: GEX 22 ATEX 1028X Issue 00

[15] Description of product:

The product is a modular system of cutting tools consisting of an air powered angle grinder, wolfram carbide cutting- and weld removal discs, water control box and hoses to supply air and water. The cutting tools are intended for use in ambient temperatures ranging from -20 °C to +40 °C and require a water cooling system for the intended use. The compressed air for the air powered angle grinder is supplied through the water control box. The system of cutting tools consists of the following parts:

Product Identification	Description
A-0105	Fuji Angle Grinder (FCD-10X-52)
A-0502	Cutting Disc
A-0503	Weld Removal Disc
A-0310	Water Control Box
A-0070	Antistatic rubber hose
A-0071	Armoured hose
A-0073	Guard for Cutting System
A-0074	Guard for Weld Seam System
A-0079	Nozzle with connector

[16]

Rev.	Description	Document number	Date
00	Certification Report	GC-CR-190136	19.12.2023

[17] Specific Conditions of Use:

17.1 Specific Conditions of Use

The Cutting Tools can be used against the following materials: Stainless steel grades 304/316, carbon steels, 6Mo stainless steel, and titanium.

The *A-0502 Cutting Disc* and *A-0503 Weld Removal Disc* shall only be used with the *A-0105* angle grinder with a maximum rotational speed of 1000 RPM.

The Cutting Tools shall only be used with the *A-0310 Water Control Box* and within the operating conditions as described in the user instructions referenced in section [19].

The *A-0105* angle grinder shall be earthed through the *A-0071 Armoured hose* or the *A-0070 Antistatic rubber hose*, which have a resistance to earth of less than 1 MΩ.

For temperatures below 0 °C, an isopropanol/ethanol water mixture with minimum 50 vol% water can be used as cooling medium.

17.2 Routine tests

Not applicable.

[18] Essential Health and Safety Requirements:

In addition to the Essential Health and Safety Requirements covered by the standards listed at item [9], conformity with all other requirements is demonstrated in the relevant reports.



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[19] Drawings and Documents:

Rev.	Title	Document number	Date
04	User Manual Cutting Tools	-	-
04	Corner Drill, Type FCD-10X-52	5412095864	2014.05
2	A-0502-Cutingdisk	C-0502-001	15.03.2023
3	A-0503-WELDSEAM	C-0503-001	15.03.2023
4	A-0310 Water Control Box	A-0310-001	17.06.2022
1	A-0070-Antistatic air hose with watercooling	A-0070-001	24.03.2022
3	A-0071-Armoured Hose	A-0071-001	24.06.2022
1	A-0079-Nozzle	A-0079-001	20.06.2022

[20] Certificate History:

Issue	Reason for revision	Date
00	First issue of Type Examination Certificate.	19.12.2023