





DET NORSKE VERITAS

TYPE EXAMINATION CERTIFICATE

- [2] **EQUIPMENT INTENDED FOR USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES DIRECTIVE 94/9/EC**
- [3] Type Examination Certificate Number: **DNV-2005-OSL-ATEX-0119X** Rev. 4
- [4] Equipment: **Rotating files**
- [5] Applicant – Manufacturer or Authorized representative: **Safety Tools Allmet AS**
- [6] Address: **Idrettsveien
Straume Næringspark
5353 Straume
Norway**
- [7] This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- [8] DNV certifies that this equipment has been found to comply with the Essential Health and Safety requirements that relate to the design of Category 3 equipment, which is intended for use in potentially explosive atmospheres given in Annex II to the Directive.
- The examination and test results are recorded in confidential report: 2005-3120 rev. 09
- [9] Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to:
EN 13463-1: 2001 & EN 13463-5: 2003
- [10] If the sign “X” is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.
- [11] This TYPE EXAMINATION CERTIFICATE relates only to the design, examinations and tests of the specified equipment. If applicable, further requirements of this Directive may apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.
- [12] The marking of the equipment shall include the following:

 **II 2 G c T3**
 **II 2 D c T 185°C**

Høvik, 2011-01-21
for Det Norske Veritas AS

Marianne Spæren
Certification Manager



Notice: This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.

The digitally signed and electronically distributed document is the original and valid certificate. Ref.: www.dnv.com/digitalsignatures

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 300.000. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.



[13]

Schedule

[14] **TYPE EXAMINATION CERTIFICATE No.:** DNV-2005-OSL-ATEX-0119X

Rev. 4

Certificate History

Revision	Description	Issue date
-	Original certificate	2005-09-19
	Supplement 1 including a new air tool FCD-6X-51	2006-01-06
	Supplement 2 including a new grinding disc for removing og paint and coating	2006-03-14
	Supplement 3 including a new air tool FAS-1X-50	2006-09-12
	Supplement 4 including a new air tool FCD-10X-51	2007-10-22
	Supplement 5 including a new air tool FCD-10X-52	2008-11-26
1	Certificate extended to include one new grinding cylinder (rotating file) and change of address.	2009-07-31
2	Misprints are corrected.	2009-08-17
3	Added D for dust	2010-02-18
4	Change of Certificate information (special conditions for safe use)	2011-01-21

[15] Description of Equipment:

Wolfram carbide rotating files for use with specified air tools and adaptors. All parts included into the certificate are delivered in a marked safety-suitcase. Normally, the rotating files are used without cooling. The air tool with rotating files can optional be equipped with different cooling systems. These systems are not taken into consideration for the temperature classification and testing of the equipment.

The equipment is for use in Zone 1 and Zone 2 areas.

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Type Identification

Type (V.nr.)	Description
A-0066A	Adapter for threaded file
A-0066B	Adapter for threaded file
A-0001 A/B	W.C. 104 Rotating file
A-0002 A/B	W.C. 153 Rotating file
A-0003 A/B	W.C. 157 Rotating file
A-0004 A/B	W.C. 201 Rotating file
A-0005 A/B	W.C. 205 Rotating file
A-0006 A/B	W.C. 105.A Rotating file
A-0007 A/B	W.C. 25/25/15 Rotating file
A-0008 A/B	W.C. 25/25/30 Rotating file
A-0009A/B	W.C. 25/25/25 Rotating file
Allmet A-0500	Platefile/Paint
WC35-50-2 shaft	Rotating file
FCD-10X-50	1000 RPM Air tool (Fuji Air Tools) Corner drill
FG-2Vx-50	3000 RPM Air tool (Fuji Air Tools)
LBV25 EA020-11	2000 RPM Air tool (Atlas Copco)
FCD-6X-51	2000 RPM Air tool (Fuji Air Tools) Corner drill
FAS-1X-50	2000 RPM Air tool (Fuji Air Tools) Angle sander
FCD-10X-51	1000 RPM Air tool (Fuji Air Tools) Corner drill
FCD-10X-52	1000 RPM Air tool (Fuji Air Tools) Corner drill

- [16] **Report No:** 2005-3120 rev. 09
Project No: PRJC-168643-2009-PRC-NOR

Descriptive documents

Number	Title	Rev.	Date
D-120-A71-00	Corner drill	-	2004-03
G-204-A20-00	Straight grinder	-	2004-03
9836180800	Spare part list Atlas Copco	3 pages	-
D-085-A71-00	Corner drill	-	2004-03
D-120-A72-00	Corner drill	-	2006-12
D-120-A73-00	Corner drill	-	2007-08
42035542	Fil adaptor (cylindric)	-	2005-06-05
42035542	Fil adaptor (taper)	2 pages	2005-06-05
42035542	Sketch 1. WC 25/25/30 + sketch 2. WC 25/25/15	-	2005-06-05
42035542	WC 201, WC 205, WC 157, WC 153, WCA 105, WC104, WC 25/25/25	-	2005-06-05
0472386	Platefile/paint	-	2006-02-06
A-179-A51-00	Angle sander	-	2005-01
1.04A	WC 35-50-2 shaft	-	2007-10-15

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[17] Special conditions for safe use

- The air tool must be earthed by a supply air hose. The air hose used must also be of anti-static type or satisfy the requirements of clause 7.4.4 of EN 13463-1.
- Maximum air supply pressure is 6,3 Bar.
- Rotating file WC-35-50-2-shaft shall only be used with air tool with max 2000RPM and can only be used against the following listed materials; stainless steel Grade 316, Steel ST52, Titanium, ASTM B265 Titanium and Austenitic stainless steel 6MO.
- Water can not be used as cooling medium at temperatures below 0°C.

[18] Essential Health and Safety Requirements

See part 9 of this certificate

END OF CERTIFICATE

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 300.000. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.