



Finnish Institute of  
Occupational Health

FIOH  
notified by the Ministry of Social Affairs and Health  
and identified under 0403 grants

# EC TYPE EXAMINATION CERTIFICATE

13216JNS01rev1

for protective clothing against heat and flame  
as defined in EN ISO 11612:2015, A1+A2 B1 C1 F1

**RW 66535 FR Jeans**

Red Wing Shoe Company Inc.  
Minnesota, USA

This product complies with Directive 89/686/EEC,  
as amended

Helsinki, 27 November 2017  
Expiry date: 26 November 2022

Minna Torenus  
Specialist

Erja Tammela  
Senior Specialist



## 1. Applicant

Red Wing Shoe Company Inc.  
314 Main Street  
Red Wing  
55066 Minnesota  
USA

## 2. Description and identification of the product

Type: Protective clothing against heat and flame as defined in EN ISO 11612:2015, performance levels A1+A2 B1 C1 F1

Name: RW 66535 FR Jeans

Description: Jeans are made of fabric style 308 Indura Denim, Twill, 100% CO, 473 g/m<sup>2</sup> (Westex Inc., USA).

Representative in Europe:  
Red Wing Shoe BV, Van Diemenstraat 272, NL-1013 CR Amsterdam, Netherlands

Picture of the product is on page 3.

## 3. Adequacy and validity of the technical documentation

The documentation supplied by the applicant is listed in Appendix 1. The technical documentation is considered adequate and valid. Material and the product have been tested in accordance with a harmonized European standard EN ISO 11612:2015 by accredited testing laboratories. The model of the product supplied by the applicant conforms to the technical documentation.

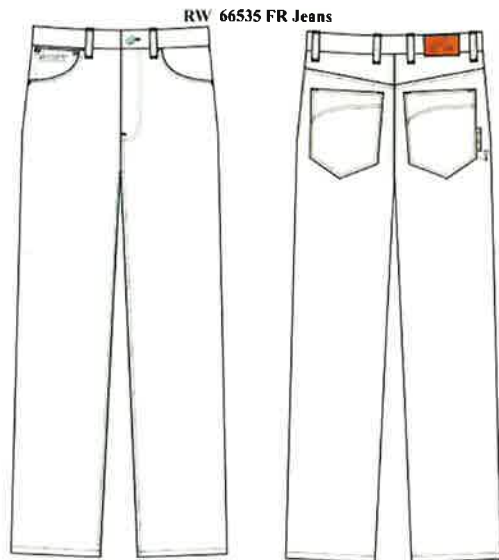
## 4. Compliance with basic health and safety requirements

The product and the technical documentation relating to it comply with the relevant basic health and safety requirements stated in Directive 89/686/EEC Annex II as amended, last amended by 96/58/EC.

Note: Any modification in design, materials, or in the technical documentation, carried out on this type examined product must be brought to the attention of FIOH.



Picture of the product



Appendix 1. Technical documentation

End of EC type examination certificate 13216JNS01rev1.



## Technical documentation regarding EC type examination certificate 13216JNS01rev1

Product name: RW 66535 FR Jeans

Applicant: Red Wing Shoe Company Inc., 314 Main Street, Red Wing, 55066 Minnesota, USA

<i>Item of technical documentation</i>	<i>Document identification</i>	<i>Assessment</i>
1. Application for the EC type examination	2013-03-19 Update request, 2017-11-16	
2. Product drawing, construction, and material list	Garment specification, RW 66535 FR Jeans, 2013-03-15	Product is identified and described, materials are specified
3. Compliance with Directive 89/686/EEC relevant basic requirements	The compliance assessment is based on reports mentioned below items 3.1-3.6	
3.1 FIOH assessment of relevant Directive basic requirements	2017-11-27	The applied harmonised standards EN ISO 13688:2013 and EN ISO 11612:2008 support the relevant requirements
3.2 BTTG test report	Ref: 30/04984/6, 2010-06-03 Style 308 Indura Denim	Material meets the requirements of EN ISO 11612:2015, A1+A2 B1 C1 E3 F1
3.3 Kinetrics test report	No. K-41843, 2008-11-11 Style 308, Denim	Material has been tested according to ASTM F1959/F1959M-05 for Arc rating, and has got ATPV value 18.2 cal/cm <sup>2</sup> , and Heat Attenuation Factor HAF 84.9%
3.4 FIOH test report	No. 163633T01rev1, 2011-06-30 Seam, chain stitch with overlocking and two stitchings	Seam meets the requirements of EN ISO 11612:2015 for flame spread A1 and A2
3.5 Draft information sheet	User instructions Red Wing Workwear Flame-Resistant Garment	Document meets the requirements of the Directive, EN ISO 13688:2013 and EN ISO 11612:2015
3.6 Product markings	Main label	Markings meet the requirements of EN ISO 13688:2013 and EN ISO 11612:2015
4. Description of the production quality system and related product control and test facilities	ISO 9001:2008 Certificate No. 43276, 2012-05-21	Adequate to category II products