



# EU-TYPE EXAMINATION CERTIFICATE



The following model of Personal Protective Equipment has been subjected to an EU-type examination in accordance with the module B of the PPE regulation (2016/425) and has been shown to satisfy to essential health and safety requirements.

**Certificate N°**      **0075/1062/162/07/18/1485**

Issued by CTC, Notified Body N°0075, to the following model of personal protective equipment :

**Manufacturer :**      **NANO-METRE INDUSTRIAL LIMITED**  
ROOM 904,LVDIHECHUANG BUILDING,NO.450, CAOYANG ROAD,SHANGHAI,P.C.200063  
P.R.CHINA

**Description**

**PPE Type :**      ***protective glove against mechanical risks***

**Product reference :**      **DY1850F-H**

**Article code :**

**Glove description :**      **18g carbon/ nylon/ HPPE (high performance polyethylene)/ glass fiber knitted liner coated nitrile on palm glove.**

**Available sizes :**      **7 8 9 10 11**

**Pictures :**



**Reference standard :**

**Levels of performance / class of protection**

**EN 420:2003+A1:2009**

-

**EN 388:2016**

**4 4 4 2 C**

The levels of performance have been measured on the palm

**At the date of certificate the product is in compliance with Annex XVII of REaCh regulation (n° 1907/2006 and revisions)**

Full description of the PPE, reference rules verified in the context of the EU-type examination and information given on the product are detailed in the manufacturer's technical file index 01 dated from JULY 2018

NOTA : Any modification to new items of the personal protective equipment object of this EU type approval certificate or any modification of the information contained in the manufacturer technical file which served for the deliverance of the EU type approval certificate (change of address, change of company status) should be brought to the attention of the notified body in accordance with Annex V §7.2 of Regulation 2016/425.

**Issued in Lyon by**  
**Maxence DREVET**  
Project Certification Manager

**Date of first issue :** 24 July 2018  
**End of validity date :** 24 July 2023



In application of the Regulation 2016/425 of the European parliament and the Council of 9th March 2016 related to Personal Protective Equipment and repealing the Directive 89/686/EEC.

[www.ctcgroupe.com](http://www.ctcgroupe.com)

[cemarking@ctcgroupe.com](mailto:cemarking@ctcgroupe.com)

CTC - 4, rue Hermann Frenkel - 69367 Lyon cedex 07 - France  
Tél. : +33 (0)4 72 76 10 10 - Fax : +33 (0)4 72 76 10 00 - ctclyon@ctcgroupe.com

Comité Professionnel de Développement Économique (CPDE) Cuir Chaussure Maroquinerie Ganterie  
Loi 78-654 du 22.06.1978 - Siret 77564972600160 - Code NAF 9412Z - TVA FR 88775649726

**NANO-METRE INDUSTRIAL LIMITED**

**MANUFACTURER'S TECHNICAL FILE TO**  
**THE PPE REGULATION 2016/425**

**Reference of the product** : **DY1850F-H**

**Article code** :

**Technical file index** : **01**

**Last update** : **JULY 2018**

## IDENTIFICATION

Reference of the product :	:	DY1850F-H
Article code :	:	
Basic Model		
Technical file index :	:	01
Last update :	:	JULY 2018

### **Manufacturer :**

NANO-METRE INDUSTRIAL LIMITED  
ROOM 904,LVDIHECHUANG BUILDING,NO.450, CAOYANG  
ROAD,SHANGHAI,P.C.200063

P.R.CHINA

tel : +86 21 52281268

fax : +86 21 52281233

### **Factory :**

PERFECT ROBERT'S ( TAI HE XIAN) INDUSTRIAL LTD.

WENTIAN INDUSTRIAL PARK, TAIHE, JIANGXI PROVINCE

P.R. CHINA

tel: +86 796 5376001

fax: +86 796 5376002

## GLOVE DESCRIPTION

### General glove description :

18g carbon/ nylon/ HPPE (high performance polyethylene)/ glass fiber knitted liner coated nitrile on palm glove.

type of coating finish : foam

### Visual description (picture back and palm sides) :



### Field of use

manufacturing industry

Risk assessment (Essential Health and Safety Requirement. Annex II - PPE Regulation)		
	Applicable	Covered by
§1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Standard <input checked="" type="checkbox"/> Instruction for use <input checked="" type="checkbox"/> Marking
§1.4	<input checked="" type="checkbox"/>	<input type="checkbox"/> Standard <input checked="" type="checkbox"/> Instruction for use <input type="checkbox"/> Marking
§2.5	<input checked="" type="checkbox"/>	<input type="checkbox"/> Standard <input checked="" type="checkbox"/> Instruction for use <input type="checkbox"/> Marking
§2.12	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Standard <input checked="" type="checkbox"/> Instruction for use <input checked="" type="checkbox"/> Marking
§3.3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Standard <input checked="" type="checkbox"/> Instruction for use <input checked="" type="checkbox"/> Marking

### Available sizes :

Minimum length of glove (mm)	Sizes
230	7
240	8
250	9
260	10
270	11

## Glove constitution :

	Reference	Color	Material	Surfacic mass	Gauges	Thickness
Palm		black	nitrile	600g/m2		0.4mm
	thumb crotch	black	scraped nitrile	500g/m2		0.3mm
		blue and white	carbon/ nylon/ HPPE (high performance polyethylene)/ glass fiber	500g/m2	18 gauge	
Back		blue and white	carbon/ nylon/ HPPE (high performance polyethylene)/ glass fiber	500g/m2	18 gauge	
Cuff		blue and white	carbon/ nylon/ HPPE (high performance polyethylene)/ glass fiber + elastic	550g/m2	18 gauge	
Binding		green, yellow, brown, black	polyester			

## PROTECTION SCOPE

This glove meets the essential requirements of the Personal Protective Equipment Regulation 2016/425.  
This glove is designed for mechanical risks.  
It is a category II product.

## GENERAL REQUIREMENTS

### Standard EN 420 : 2003 + A1 : 2009

Dexterity : 5  
Size : conform

At the date of certificate the product is in compliance with Annex XVII of REACH regulation (n° 1907/2006 and revisions)

## SPECIFIC REQUIREMENTS AND PERFORMANCE LEVELS

### Mechanical hazard EN 388 : 2016

Protection offered	Performance levels
Abrasion resistance	4
Blade cut resistance	4
Tear strength resistance	4
Puncture resistance	2
Cut Resistance method (EN ISO 13997)	C
Impact Protection	-

The levels of performance have been measured on the palm


## TEST REPORTS

Laboratory	CTC	Other
EN 420 + innocuousness	SH61121-14 SH61123-14 SH61124-14 SH61126-14 S150705406_1 S150805952_1 S160402794_1 S180302920_1 (DMFU)	
EN 388	S150704940_1 S180506047_1	

## MARKING - PACKAGING

### Information printed on the glove :

Logo of Manufacturer :

Logo 

Glove's reference DY1850F-H

Article Code :

Size indicator

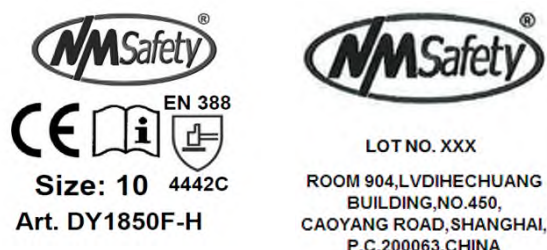
Pictograms related to risks against which protection is offered with performance levels

Information pictogram

Address of Manufacturer :

Date of Manufacture (month/year) and/or Serial number :

### Marking example :



### Method of marking on the glove :

screen printing on the back of gloves

### Packaging :

12 pairs/polybag, 120pairs/carton

### PPE subject to ageing :

The design performance can not be significantly affect by ageing when stored in appropriate conditions (humidity, temperature, clean , ventilated, light).

### Declaration of conformity :

Available on : [www.nmsafety.com](http://www.nmsafety.com)

## MEANS OF CONTROL

We control the quality as per follow:

1. All materials incoming should be inspected by Incoming Quality Control department. Any change of materials should be confirmed by engineering department after passed the test(Normally we use the materials to make some sample and test these samples for the abrasion, cutting , tear and puncture resistance, if there are any unconformity with the original sample, the materials will be rejected).
2. Engineering department design the working instruction for every working station of knitting, dipping and packing, the instructions should be made according to EN standard and client's requirements; all workers should be work as per these instructions.
3. The first sample should be approved by manager of factory before begin production for every order.
4. We'll spot-check the weight of glove shell and measure the length, width of gloves after knitting. any unconformity against the instruction will be fed back to technician who will adjust the knitting machine.
5. We'll spot-check the size and test the abrasion, cutting , tear and puncture resistance of gloves during and after dipping process, any unconformity against the instruction will be fed back to technician who will improve the process through adjust temperature, speed and formular of coating liquid.
6. The formula of coating should be strictly stable, we check it three times per day.
7. Packing: production department should make the first sample of packing and send it to Manager for approval, Quality Control department will spot-check them before and after production.
8. All products should be inspected strictly before outgoing.
9. we'll send the samples to CTC Asia to re-test the EN388 two times per year.

## INSTRUCTION FOR USE

### NANO-METRE INDUSTRIAL LIMITED

ROOM 904,LVDIHECHUANG BUILDING,NO.450, CAOYANG ROAD,SHANGHAI,P.C.200063

P.R.CHINA

Glove reference : DY1850F-H

Article code:

Available sizes : 7 8 9 10 11

#### **Glove description :**

18g carbon/ nylon/ HPPE (high performance polyethylene)/ glass fiber knitted liner coated nitrile

THIS GLOVE IS A PERSONAL PROTECTIVE EQUIPMENT BELONGING TO THE CATEGORY II.

It meets the requirements of the PPE Regulation 2016/425 applicable from April 21th, 2018 : innocuousness, comfort, solidity.

It has been subject to a UE-type Examination performed by :

C.T.C. (OO75)  
4, rue Hermann Frenkel  
69367 LYON Cedex 07  
FRANCE

#### **Applicable standards :**

The glove meets the requirements of the standard EN 420 : 2003 + A1 : 2009 « General requirements for work glove ». Dexterity : 5

Moreover, this glove has been designed for the following applications :

#### Application :

Mechanical hazard - EN 388 : 2016



4 4 4 2 C

Levels of performance

Abrasion resistance	4	(on 4 maxi)
Blade cut resistance	4	(on 5 maxi)
Tear resistance	4	(on 4 maxi)
Puncture resistance	2	(on 4 maxi)
Cut Resistance method (EN ISO 13997)	C	(A to F)
Impact Protection		

#### **Protection limit :**

Users should be warned that gloves should not be worn when there is a risk of entanglement by moving parts of machines.

This model does not contain any substances at levels that are known to, or suspected to, adversely affect user hygiene or health.

The protection against risks or hazards which are not mentioned in this document is not warranted.

The levels of performance mentioned are only valid for the palm of the glove.

The levels of performance mentioned are only valid for new gloves, not washed, nor regenerated.

These levels of performance are obtained from the tests done according to conditions defined by the applicable standards.

This glove shall not be in contact with fire

Before use, the glove shall be visually controlled, in case of deterioration the gloves must be scrapped (abrasion, cut, tear, ...).

For gloves with different layers of material, the performance levels are warranted only for the whole glove.

For gloves with two or more layers the overall classification does not necessarily reflect the performance of the outermost layer.

For dulling during the cut resistance test, the coupe test results are only indicative while the TDM cut resistance test is the reference performance result.

#### **Storage and cleaning notice**

Keep in its original packaging, under ordinary temperature and humidity conditions and in clean, covered and ventilated premises.

#### **PPE subject to ageing :**

The design performance can not be significantly affect by ageing when stored in appropriate conditions (humidity, temperature, clean , ventilated, light).

#### **Declaration of conformity :**

Available on : [www.nmsafety.com](http://www.nmsafety.com)