



EC-type examination certificate

Registration number / Reference mark C4508JKT/R0

The company

JINHUA KANGMAI TOOLS CO., LTD

No.8, East of Industrial Center
Jindong Zone
321000 JINHUA, ZHEJIANG
P.R. CHINA

Applicant's code JKT

hereby receives the confirmation that the product/s

welder's face shield

of the type

HS3020

conforms to

DIN EN 175:1997-08

**Essential Requirements according to
Annex II of Directive 89/686/EEC (Edition: 1989-12)**

Test report(s): 12261-PZA-11

Identification: JKT EN 175 F CE

This EC-type examination certificate is valid until 2017-06-20.

See annex for further information.

DIN CERTCO GmbH
Prüfzentrum Augenschutz
Tillystraße 2, 90431 Nürnberg



2012-06-21

Dipl.-Ing. Dipl.-Wi.-Ing. Sören Scholz
Notified Body 0196



Annex

to the Certificate with Registration No. C4508JKT/R0, dated 2012-06-21

Herewith, DIN CERTCO PZA certifies that the model is in compliance with the basic requirements of the Directive 89/686/EEG for personal protective equipment. The certificate is based both / either on the tests and / or on the technical documentation submitted by the manufacturer.

Test report(s)

12261-PZA-11

Name and address of DIN CERTCO as the notified body - identification no. 0196 are to be indicated in the information brochure for the product.

This eye-protection is to be marked on the oculars and/or the frames. The marking must include:

JKT EN 175 F CE

Additional product specification

Mechanical strength F (45 m/s)

eli

Test Report

No. 1226-PZA-11

Rev. 0

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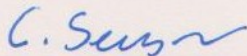
Accredited by the Central Authority of
the Federal States for Safety (ZLS)
ZLS-P-707/07**Customer****JinHua KangMai Tools CO., LTD.**
No. 8 East of industrial Center, JinDong Zone
JINHUA, ZHEJIANG 321000
P.R. CHINA

Test report contains	Main part and 1 annex
Number of pages	8
Product	Welder's face shield
Arrival of samples	2011-09-12 2 nd delivery: 2011-11-30 3 rd delivery: 2012-01-16 4 th delivery: 2012-02-29 5 th delivery: 2012-05-09
Period of testing	2011-09-19 to 2012-06-05
Reference standard	DIN EN 175 : 1997-08
Remarks	None

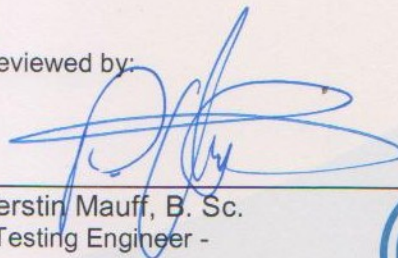
This test report relates to the mentioned test samples. Without the permission of the DIN CERTCO test and certification centre Nürnberg this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any certification mark.

Nürnberg, 2012-06-06

Compiled by:

Carlo Seiser, Dipl.-Phys.
- Testing Engineer -

Reviewed by:

Kerstin Mauff, B. Sc.
- Testing Engineer -

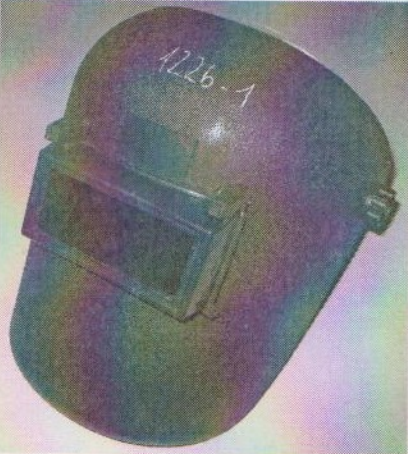
Test objects, tests and results

Based on the tables as written in the standard DIN EN 175, the main part assigns the test samples to the named tests. Each individual test result is documented in the annexes according to the named standards.

Signs and symbols:

- + meet the requirements
- ***do not meet the requirements***
- / not tested or not applicable
- Ab interruption of the testing sequence

Samples and summary of all test results

Type:	Welder's face shield, type "HS3020"					
Test mark:	12261-PZA-11					
Number of delivered parts: 30			Number of test samples: 7			
						
Test-sequence	Requirements			Tests		Sample
				According to DIN EN	Clause	
1	Design and manufacture			175	4	1226-1 to 1226-7
Individual results of each test sample see annex 1						

2nd delivery from 2011-11-30:

Type:	Welder's face shield, type "HS3020"					
Test mark:	12261-PZA-11					
Number of delivered parts: 20			Number of test samples: 7			
Test-sequence	Requirements			Tests		Sample
				According to DIN EN	Clause	
1	Resistance to damage when dropped	-5°C	175	5.5	175	1226-8 to 1226-14
		+80°C				
Individual results of each test sample see annex 1						

3rd delivery from 2012-01-16:

Type:	Welder's face shield, type "HS3020"						
Test mark:	12261-PZA-11						
Number of delivered parts: 8				Number of test samples: 7			
Test-sequence	Requirements				Tests		Sample 1226-15 to 1226-21
					According to DIN EN	Clause	
1	Resistance to damage when dropped	-5°C	175	5.5	175	8.2	-
		+80°C					
Individual results of each test sample see annex 1							

4th delivery from 2012-02-29:

Type:	Welder's face shield, type "HS3020"						
Test mark:	12261-PZA-11						
Number of delivered parts: 8 (only white headbands)				Number of test samples: 7 (only white headbands)			
Test-sequence	Requirements				Tests		Sample 1226-15 to 1226-21*
					According to DIN EN	Clause	
1	Resistance to damage when dropped	-5°C	175	5.5	175	8.2	-
		+80°C					
Individual results of each test sample see annex 1							

* tested with helmet shells from 3rd delivery equipped with white headbands

5th delivery from 2012-05-09:

Type:	Welder's face shield, type "HS3020"						
Test mark:	12261-PZA-11						
Number of delivered parts: 7			Number of test samples: 7				
Test-sequence	Requirements	According to		According to		Sample 1226-22 to 1226-28	
		DIN EN	Clause	DIN EN	Clause		
1	Marking	175	9	175	9	-	
2	Information for users	175	10	175	10	+	
3	Design and manufacture	175	4	175	4	+	
4	General requirements	175	5.1	175	5.1	+	
5	Area of coverage	175	5.3	168	10.2	+	
6	Light reflectance	175	5.6	175	5.6	+	
7	Light attenuation	175	5.7	175	8.4	+	
8	Suitability of cleaning and disinfection	175	5.12	175	5.12	+	
9	Mass	175	5.13	175	5.13	+	
10	Harness	175	6	175	6	+	
11	Resistance to damage when dropped	-5°C	175	5.5	175	8.2	+
		+80°C					
12	Electrical insulation	175	5.8	175	8.3	+	
13	Resistance to ignition	175	5.9	168	7	+	
14	Resistance to hot penetration	175	5.10	168	7	+	
15	Resistance to corrosion	175	5.11	168	8	+	
16	Increased robustness	+55°C	175	5.4	168	3.2	+
		-5°C					
17	Protection against high-speed particles	175	7.1	168	9	+	
Individual results of each test sample see annex 1							

ANNEX 1

Type:	Welder's face shield, type "HS3020"
Test mark:	12261-PZA-11

Design and manufacture

Design and manufacture:	<i>Heat insulation does not meet the requirements</i>
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2nd delivery from 2011-11-30:

Resistance of welder's shields to damage when dropped

Sample	Temperature	Test series	Result
1226-8	-5°C	1 st drop	<i>-, filter fixing broken and helmet shell cracked</i>
		2 nd drop	/
		3 rd drop	/
1226-9	+80°C	1 st drop	/
		2 nd drop	/
		3 rd drop	/

3rd delivery from 2012-01-16:

Sample	Temperature	Test series	Result
1226-15	-5°C	1 st drop	<i>-, right headband fixing broken</i>
		2 nd drop	-
		3 rd drop	<i>-, left headband fixing broken</i>
1226-16	+80°C	1 st drop	+
		2 nd drop	+
		3 rd drop	+

4th delivery from 2012-02-29:

Sample	Temperature	Test series	Result
1226-20	-5°C	1 st drop	+
		2 nd drop	+
		3 rd drop	<i>-, filter fixing cracked</i>
1226-21	+80°C	1 st drop	+
		2 nd drop	+
		3 rd drop	+

Type:	Welder's face shield, type "HS3020"
Test mark:	12261-PZA-11

5th delivery from 2012-05-09:

Description of the type

Marking:	none
Material:	Plastics, foam, metal spring
Color:	Black (without coating)
Information for users:	Available and complete
Design and manufacture:	General construction, field of vision, materials, headbands, heat insulation and replacement meet the requirements
General requirements:	Welding protector housing and ventilation meet the requirements
Area of coverage:	Meet the requirements
Light reflectance:	Meet the requirements
Light attenuation:	Meet the requirements
Suitability of cleaning and disinfection:	Meet the requirements
Mass:	343 g
Harness:	Meet the requirements

Resistance of welder's shields to damage when dropped

Sample	Temperature	Test series	Result
1226-23	+80°C	1 st drop	+
		2 nd drop	+
		3 rd drop	+
1226-22	-5°C	1 st drop	+
		2 nd drop	+
		3 rd drop	+



