

CASCO INDUSTRIAL DE SEGURIDAD TIPO I CLASE E, G y C

- **Descripción:** Casco industrial de seguridad TIPO I CLASE E, G y C
- **Marca:** Creattor
- **Presentación comercial:** Unidad
- **Fabricación:** Producto Importado



REFERENCIA C20189530: CASCO BLANCO
REFERENCIA C20189531: CASCO AMARILLO
REFERENCIA C20189532: CASCO AZUL
REFERENCIA C20189533 CASCO GRIS
REFERENCIA C20189534: CASCO VERDE

Descripción del producto

El casco CREATTOR ofrece seguridad y confort al usuario gracias a su diseño ergonómico que lo hace cómodo y ligero, único en el mercado. Gracias a su sistema de suspensión de doble tirante de nylon con 4 y 6 puntos de sujeción que garantiza una mejor absorción al impacto y a su sistema de Ratchet con perilla de rotación, logra un ajuste fácil a la cabeza que ofrece la estabilidad necesaria para cumplir una excelente labor. Con 2, 3 y 4 puntos para barbuquejo lo hace versátil e ideal para todo tipo de trabajo que lo requiera. El principal objetivo es protegernos la cabeza contra golpes, caídas de objetos, riesgos térmicos, riesgos eléctricos, salpicaduras y químicos. Un casco debe asegurarnos una buena resistencia a la penetración y suficiente amortiguación.

Características del producto

- Diseño ergonómico, Liviano y Compacto
- Esta aprobado para la protección de la cabeza contra peligros de impacto, penetración, combustión y descargas eléctricas
- Ajuste cómodo durante el uso durante todo el día.
- Tipo I, Clase E

CASCO INDUSTRIAL DE SEGURIDAD TIPO I
CLASE E, G y C

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- Capacidad de resistencia al impacto, penetración, tensión eléctrica de 20,000 volts, perforación a 30,000 volts y combustión
- Compatible para uso con protector auditivo tipo copa y con ranuras para insertar el protector auditivo para este.
- CUMPLE CON LA NORMA ANSI/ ISEA Z89.1-2014 -Tipo I, Clase E, G & C

Especificaciones del producto

- Sistema de bloqueo – Ratchet con técnica para evitar el desajuste según su graduación.
- Fabricado en material termoplástico (Polietileno de alta densidad para altos impactos).
- PESO : 390 Gramos
- Dimensión : 30 x 23 x 18 cms

Aplicaciones

- Industria de Cemento
- Centros de acopio
- Rescate Industria civil
- Mantenimiento
- Construcción
- Sector petrolero
- Sector de alimentos
- Ensamble

Colocación y ajuste

Es importante ajustar bien el casco al usuario para asegurar la estabilidad y evitar que se deslice y limite el campo de visión. Colocar correctamente el arnés a la cabeza permite que no se desprenda fácilmente. Si quieres una protección adecuada, el casco debe ajustarse a la talla de la cabeza y se puede realizar de la siguiente manera:

*** La tira de ajuste a la cabeza.

»» La unión de la banda de cabeza y la tira de ajuste.

*** La altura de la tira de ajuste y banda de cabeza con respecto al soporte.



Recomendaciones para su uso

El casco se debe usar únicamente en las aplicaciones para las que ha sido diseñado y que se mencionan en las recomendaciones de uso.

1. Ajusta el casco de tal manera que quede un espacio libre en la cabeza y la carcasa aproximado de 20mm. Además de servir de colchón para la absorción de los impactos, también que sea para la circulación de aire y mantenga ventilado el cuero cabelludo.
2. Cuando termine su trabajo, no deje que el casco esté expuesto al calor.
3. No use pinturas ni solventes ni adhesivos que puedan tapan las fisuras y acelerar el deterioro del material de la carcasa.
4. Revisar de forma continua el casco. Si se descubre rajaduras o fisuras deberá desecharlo inmediatamente.

Mantenimiento

Una de las funciones del casco es la absorción de energía y el impacto mediante la destrucción o desperfectos del casquete y del arnés. Por más que los cascos tengan buena duración, se debe reemplazar cuando ya no cumpla la misma medida de protección.

- Inspecciones periódicas. Debe realizarse una inspección visual, como mínimo cada semana, de cada implemeno del casco y sus accesorios.
- Almacenamiento y transporte. Los cascos deben guardarse fuera de la acción de los rayos solares. Esto con el fin de evitar una degradación rápida de los materiales, ni en lugares con temperaturas altas.
- Lo recomendable es que los cascos de seguridad se guarden de forma horizontal en estanterías o colgados de ganchos en lugares no expuestos a la luz.
- Periodo máximo de utilización. Se recomienda sustituir el casco después de los tres años de fabricación. Los casos fabricados con polipropileno, polietileno o ABS, se alteran lentamente. Sin embargo, pierden resistencia mecánica por el efecto de calor, frío y exposición al sol, y suelen perder resistencia.

Condiciones de Almacenamiento

- Humedad relativa máxima: 70%
- Temperatura máxima: 32°C



- Almacenar en un lugar fresco y seco, evitando los rayos directos del sol.
- Inadecuadas condiciones de almacenamiento, carga y descarga brutal probablemente afectasen la calidad de los productos.

Disposición Final

- En caso de que el producto se encuentre contaminado con residuos, colóquelo en el respectivo contenedor según cual sea la sustancia o material.
- Los empaques contenedores deberán ser depositada en el contenedor correspondiente a residuos reciclables, en caso que esta se encuentre contaminada por alguna sustancia o material, deséchela en el mismo contenedor donde se depositen estas sustancias.

GARANTIA LIMITADA

CREATTOR garantiza que sus productos están libres de defectos en los materiales y en la mano de obra. Un producto sujeto a un reclamo de garantía se debe poner primero a disposición de un distribuidor CREATTOR autorizado o del vendedor a través del cual se ha adquirido el producto.



ICS[®]
INC. LABORATORIES

Test Report # T10560-02-1 Issue 1
ANSI/ISEA Z89.1-2014
Jinhua Industry & Trade Co., Ltd.
HF509-1 – Industrial Safety Helmet
02 December 2016



Approved by:

A handwritten signature in black ink, appearing to read 'Dayna Petit', is written over a horizontal line.

Dayna Petit
Head Protection & Athletic Equipment
Laboratory Manager

Prepared by:

A handwritten signature in black ink, appearing to read 'Shelley Brady', is written over a horizontal line.

Shelley Brady
Head Protection & Athletic Equipment
Laboratory Administrator

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Issued to: Jinhua Industry & Trade Co., Ltd.
 Jindong Comprehensive Development Area
 Jinhua, Zhejiang
 China

Date: 02 December 2016
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Objective:

Contract testing to ANSI/ ISEA Z89.1-2014 "American National Standard for Industrial Head Protection".
 Type I, Class E, G & C

Sample(s):

HF509-1* - Industrial Safety Helmet

Description	Qty	Date Code	Material	Date Received	Sample ID
White Shell w/ Ratchet Suspension (6 pt.), Non-vented with Chin Strap	32	7/16	PE	21 November 2016	0A-02-x

*HF509-1 not present on product

Procedures:

Testing protocols in accord with good laboratory practice were employed unless otherwise specified, for all tests.

Testing procedures as specified within Section 10 of ANSI/ ISEA Z89.1-2014 were followed.

Testing was performed at room temperature $23^{\circ}\text{C} \pm 3^{\circ}\text{C}$ ($73.4^{\circ}\text{F} \pm 5.4^{\circ}\text{F}$) per ANSI/ ISEA Z89.1 – 2014.

Equipment:

Cadex Twin Wire Test Platform
 Envirotronics Model FLX900 Environmental Conditioning Chamber
 Cadex Impact Software V6.9T2
 Hanco Dielectric Strength Chamber

Assessment Summary:

Date Tested: 30 November 2016 – 01 December 2016

Test Performed By: Sarah Henderson – Test Engineer

Requirements	Compliant	Non-Compliant
6 Instruction and Marking	<i>Not assessed per client</i>	
7 Performance Requirements		
7.1 Requirements for Type I		
7.1.1 Flammability	X	
7.1.2 Force Transmission	X	
7.1.3 Apex Penetration	X	
7.1.4 Electrical Insulation Requirement		
7.1.4.3 Electrical Insulation Requirement - Class E	X	

Samples as assessed meet the mechanical performance requirements of ANSI/ ISEA Z89.1 2014 for Type I, Class E, G & C.

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Results:

7.1.1 Flammability

Sample ID	Afterflame (sec)	Pass	Fail
0A-02-12	0	X	
Specification:	< 5		

7.1.2 Force Transmission

Sample ID	Conditioning (°C)	Velocity (m/s)	Force (N)	Specified Value (N)	Observations	Pass	Fail
0A-02-1	49 ± 2	5.50	2239	≤ 4450	-	X	
0A-02-2		5.49	2336		-	X	
0A-02-3		5.51	2297		-	X	
0A-02-4		5.50	2112		-	X	
0A-02-5		5.49	2171		-	X	
0A-02-6		5.50	2163		-	X	
0A-02-7		5.50	2155		-	X	
0A-02-8		5.51	2166		-	X	
0A-02-9		5.51	2212		-	X	
0A-02-10		5.49	2285		-	X	
0A-02-11		5.49	2223		-	X	
0A-02-12		5.49	2213		-	X	
Average					2214	≤ 3780	
0A-02-13	-18 ± 2	5.51	3715	≤ 4450	-	X	
0A-02-14		5.53	3640		-	X	
0A-02-15		5.50	3700		-	X	
0A-02-16		5.54	3299		-	X	
0A-02-17		5.52	3747		-	X	
0A-02-18		5.53	3150		-	X	
0A-02-19		5.49	3442		-	X	
0A-02-20		5.50	3703		-	X	
0A-02-21		5.48	3746		-	X	
0A-02-22		5.50	3463		-	X	
0A-02-23		5.49	3958		-	X	
0A-02-24		5.52	3698		-	X	
Average			3605	≤ 3780		X	
Specification:		5.50 ± 0.05					

Observations:
(-) No observation

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7.1.3 Apex Penetration

Sample ID	Conditioning (°C)	Velocity (m/s)	Electrical Contact (Yes/No)	Observations	Pass	Fail
0A-02-25	49 ± 2	7.0	No	-	X	
0A-02-26		7.1	No	-	X	
0A-02-27		7.1	No	-	X	
0A-02-28	-18 ± 2	7.1	No	-	X	
0A-02-29		7.1	No	-	X	
0A-02-30		7.1	No	-	X	
Specification:		7.0 ± 0.1	No Electrical Contact Allowed			

Observations:
(-) No observation

7.1.4.3 Electrical Insulation Requirements (Class E)

Sample ID	Leakage (mA)	Burn Through (Yes/No)	Observations	Pass	Fail
0A-02-1	3.6	No	-	X	
0A-02-13	3.7	No	-	X	
Specification:	Class E: ≤ 9 mA	No Burn Through Allowed			

Class E - 20,000 volts, 60 Hz, 3 minutes, 30,000 volts no burn through.

Observations:
(-) No observation

Sample Photographs:



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16. Client agrees to pay any and all additional costs associated with unexpected or above-standard communications and/or consultations with Client or third parties as designated by Client.
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22. In the event that payment is not received within 15 days of invoice date, Client agrees to pay a late payment charge on the unpaid balance equal to 1-1/2% per month or the maximum charge allowed by law, whichever is less, and all costs and expenses, including attorney's fees where recovery of the same is not prohibited by law, incurred by ICS in collecting such invoices.
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