

Original
Einbauerklärung

PALFINGER erklärt mit diesem Dokument, dass der

Produkt:
Machine:

PK150002M

Seriennummer:
Serial number:

510005498

nur zum Zweck des Einbaues in eine Maschine oder zum Zweck des Zusammenfügens mit anderen Maschinenteilen außerhalb der EU in Verkehr gebracht wird.

Der Aufbau ist entsprechend der **PALFINGER** Montagerichtlinie und den Richtlinien des jeweiligen Herstellers der Unterkonstruktion durchzuführen.

Die Inbetriebnahme der Maschine ist solange untersagt, bis die Konformität für die gesamte Maschine gemäß den nationalen Vorschriften (in den geltenden Fassungen) im Land des Aufbauers bzw. des Nutzers hergestellt wurde.

Bei der statischen Auslegung des Produktes wurden folgende Normen angewendet:

EN ISO 12100, EN 13135, EN 13001-1, EN 13001-2, EN 13001-3-1, CEN/TS 13001-3-2

Original
Declaration of incorporation

PALFINGER hereby confirm that the

*mit der
with*

is put to circulation either installed on another machine or complete with other machine parts out of the EC only.

*The installation has to be accomplished according to the **PALFINGER** installation guidelines and the instructions of the manufacturer of substructure.*

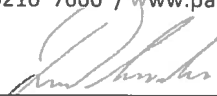
Putting the device into operation is prohibited until the national law of the body builder respectively the user (in the actual edition) is proven.

The following standards were used in the static dimensioning of the machine:

EN ISO 12100, EN 13135, EN 13001-1, EN 13001-2, EN 13001-3-1, CEN/TS 13001-3-2

PALFINGER

Palfinger Marine- GmbH
Franz-Wolfram-Scherer-Straße 24
5020 Salzburg-Kasern / Austria
Tel. +43 (0)6216 7660 / www.palfingermarine.com



Karl Oberreiter
Geschäftsführer / General Manager

Salzburg, 28.09.2015

Datum / Date

SPECIFIC TEST REPORT

according EN 10204-2.2

Product: PALFINGER MARINE CRANE	Type: PK150002MH	
Tested by: Mr. Bojan Krajnc	Date of test: 16.09.2015	
Customer: BERGEN HYDRAULIC NORWAY	Serial no.: 510005498	Production year: 2015

	Outreach,m:	SWL,kg:	Test load,kg:	Statical 25% overload test,kg:
HARBOUR	21,4	2550	2800	3188
SWH 1	21,4	1800	1980	
SWH 3	21,4	1450	1600	
BASKET	23	200		

Main relief valve pressure set and sealed on control valve 305bar

Back-up pressure measured 30bar



Measurement tolerance +/- 5%

Note: HC2/HD4 S2 classification according to EN13001

We hereby certify that the above product is tested according to PALFINGER MARINE standard testing procedure,

QUALITY CONTROL:  HEAD OF ASSEMBLY:

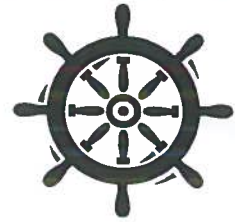
www.palfingermarine.com
Palfinger Marine d.o.o. Maribor
Špilina ulica 22
SLO 2000 Maribor Slovenia
TEL: +386 (0)2 500 25 00
FAX: +386 (0)2 500 25 01



TEST CONFIRMATION

according EN 10204-2.2
 Palfinger Marine d.o.o.
 Spelina ulica 022
 2000 Maribor / Slovenia



Product: LOAD HOOK	Type: CPUL0043
Tested by: Mr. Bojan Krajnc	Date of test: 16.09.2015
Certification No.: PMBHB 510005498-01	Production year: 2015

SWL kg 8420	Test load kg 16840	Overload test 100%
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During this test there were no faults detected.

QUALITY CONTROL:

[Signature]

www.palfingermarine.com

PALFINGER

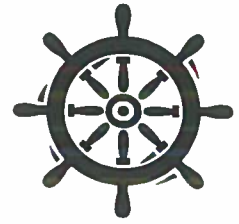
HEAD OF ASSEMBLY:

[Signature] *[Signature]*



TEST CONFIRMATION

according EN 10204-2.2
 Palfinger Marine d.o.o.
 Spelina ulica 022
 2000 Maribor / Slovenia



Product: LOAD HOOK	Type: CPUL0043
Tested by: Mr. Bojan Krajnc	Date of test: 16.09.2015
Certification No.: PMBHB 510005498-02	Production year: 2015

SWL kg 8420	Test load kg 16840	Overload test 100%
-----------------------	------------------------------	------------------------------

During this test there were no faults detected.

QUALITY CONTROL:

PALFINGER HEAD OF ASSEMBLY:

Palfinger Marine d.o.o., Maribor
 Špelina ulica 22
 SI-2000 Maribor, Slovenia
 Tel: +386 (0)2 375 22 00
 Fax: +386 (0)2 375 22 01

CRANE TEST RECORD

PALFINGER

Palfinger Marine d.o.o.

Crane type:
Tip žerjava:
PK150002M

Crane serial No.:
Serijska št. žerjava:
510005498

Order number:
Št. Naročila:
311003611

Winch: / Vitlo:

EX

Function winch test / funkcijski test vitla:

OK NOK

Adjusted according capacity shield No.:

FMV-3-108F

Spooling / navijanje žice:

Nastavljeno po tabljici nosilnosti št.:

Gear box filled with oil / reduktor napolnjen z oljem:

Reduction shield No.:

Redukcijska tabljica št.:

/ => / kg

Number of rope lines / Število nosilnih vrvi hook blocka:

@ max. outreach

SWH 1

SWH 3

Specific testing points: / posebne točke testiranja:

100% SWL - safe working load: **2550** kg at: **21,4** m

110% Overload adjustment: **2800** kg at **↗**

125% Statical overload test: **3188** kg at **↗**

Second option:
Druga opcija nastavitv:

1800 kg @: **21,4** m

1980 kg @: **21,4** m

kg @: _____ m

Third option:
Tretja opcija nastavitv:

1450 kg @: **21,4** m

1600 kg @: **21,4** m

kg @: _____ m

Type of crane / tip žerjava:

- HARBOUR
 OFFSHORE
 MANRIDING

Adjustment of working pressures / nastavitv delovnih tlakov:

	Stand by / v pripravljenosti	Main relief valve / glavni izpustni ventil		Slewing / vrtenje		Main boom / glavna roka		bar
		on crane / na žerjavu	on pump / na črpalki	left / levo	right / desno	up / gor	down / dol	
actual dejansko	30	315	-	max 120	max 120	max 305	max 140	bar

	Outer boom / zunanja roka		Extension booms / iztegovanje teleskopov		Winch without load / vitlo brez bremena		Winch with nominal load / vitlo z nominalnim bremenom		bar
	up / gor	down / dol	out / narazen	in / skupaj	up / gor	down / dol	up / gor	down / dol	
actual dejansko	max 305	max 160	max 240	max 300	max 50	max 160	max 290	max 115	bar

Main pressure / glavni tlak: **305** bar

Weight of crane / teža žerjava (celotni brez palete): _____ kg

Loose of height under nominal load / Popuščanje žerjava pod nom. obrem. _____ mm up / na: _____ m

Flow of hydraulic oil / Pretok hidravličnega olja: _____ l/min

Remarks: / Opombe: **PREVERIK!**

BASKET => 200 kg na 23m

HARBOUR => 7000 kg na 11m

SWH 1 => 6000 kg na 7m

TEL above 60° => 3000 kg

Tester: / Preizkuševalec:

Date:

Datum:

16.9.2015

Personal No.:

Osebnost. št.:

11005

Lead-sealing No.:

Oznaka plombe:

A-1

Signature:

Podpis:

[Signature]

Assembling team leader:

Vodja tima montaže:

Halilović Faruk

Signature:

Podpis:

Assembled by / montiral:	Person. No. Osebnost. št.	Date: Datum:	Signature: Podpis:
Halilović Meh	11001	16.9.2015	M. Meh

		DECLARATION OF CONFORMITY DICHIARAZIONE DI CONFORMITÀ	
MANUFACTURER	TMA winches s.r.l. Via S. Vito, 221 Modena - Spilamberto - ITALY		COSTRUTTORE
Description	Winch (Argano) 9.01.29.110		Descrizione
Type	TMV-3-108F-3-F19-EX		Tipo
Serial number	15-0276 - 15-0277		Numero di fabbrica
Year of construction	2015		Anno di costruzione
Group, Category, Zone, Class of temperature	 II 2G IIB ck T4X For zone 1,2 with external presence and / or internal gas explosion. Per zone 1,2 con presenza esterna e/o interna di gas esplosivi.		Gruppo, categoria, Classe di temperatura e Zone di appartenenza
Address notified institute technical documentation	Eurofins TECH S.r.l. Via Cuornè, 21 – 10156 Torino ITALY Tecnical file number: 2011-01.29.110		Indirizzo organismo notificato detentore documentazione tecnica

The product was designed and constructed in accordance with the following harmonized European Standards: <i>Il prodotto è stato progettato e costruito in accordo con le seguenti norme europee armonizzate:</i>		
EN 13463-1:2009	Non-electrical equipment for potentially explosive atmospheres Part 1: Basic method and requirements.	Attrezzatura non elettrica per atmosfere potenzialmente esplosive Parte 1: Metodo di base e requisiti.
EN 13463-5:2011	Explosive atmospheres - explosion prevention and explosion protection. Part 5: Protection by constructional safety 'c'	Attrezzatura non elettrica per atmosfere potenzialmente esplosive. Parte 5: Protezione tramite sicurezza costruttiva 'c'.
EN 13463-8:2003	Explosive atmospheres - explosion prevention and explosion protection. Part 8: Protection by liquid immersion 'k'.	Attrezzatura non elettrica per atmosfere potenzialmente esplosive. Parte 8. Protezione tramite immersione in liquido 'k'.
EN 14492-1:2006	Motorized winches	Argani motorizzati
2006/42/CE. Machinery Directive	Other community directives applied	Altre direttive comunitarie applicate

We declare that this product is designed to be integrated with other equipment / machinery or assembled in another equipment, system or machinery. It is forbidden to use the machine / piece of machinery covered by this statement before the machinery / equipment which is built or assembled has not been found to comply with Directive 2006/42/CE and other directives that apply there.

The imperative indication for safe use of the machine are given in the manual maintenance and integration to the maintenance manual.

Si dichiara che il seguente prodotto è destinato ad essere incorporato ad altri apparecchi/macchine o assemblato in un'altra attrezzatura, impianto o macchina. E' vietato mettere in servizio la macchina / parte di macchina oggetto della presente dichiarazione prima che la macchina / impianto in cui viene incorporata o assemblata non sia stato dichiarato conforme alla direttiva 2006/42/CE e alle altre direttive ivi applicabili.

Le indicazioni obbligatorie per un uso sicuro della macchina sono riportate nel manuale di manutenzione e nell'integrazione al manuale di manutenzione.

Spilamberto (MO) - Italy, 03-06-2015

Manager
L'Amministratore Delegato

TMA s.r.l.
Via S. Vito, 221
SPILAMBERTO - MO



20080 Calvignasco (MI) - Zona Industriale

Via dei Lavoratori, 1

Tel. 02.90.05.92.73 (6 linee ric. aut.) - Telefax 02.90.05.92.58

Cap.Soc. € 119.000,00 i.v. - Sede Legale Calvignasco

Reg. Impr. Trib. Milano n. 05942780965

C.C.I.A.A. Milano n. 1860385- Cod. Fisc. e Part. IVA 05942780965

Filiale di Roma: Via Libero Leonardi, 4 - 00173 ROMA - Tel. 06266098 - Fax. 062677606

Filiale di Udine: Via G. D'Annunzio, 9/8 - Loc. Crosada - 33050 S.Maria La Longa (UD)

Tel. 0432.685022 - Fax. 0432685033

Sito Web: www.sirtef.it

Calvignasco, 04/05/2015
Documento di trasporto Num. / Document Num. 924/BM
Ordine Num. / Purchase Order Num. 455

Spett.

T.M.A. S.r.l.

Via S.Vito n. 221
41057 SPILAMBERTO (MO)

DICHIARAZIONE CE DI CONFORMITA' / CE DECLARATION OF CONFORMITY Num. 10.107/1

In accordo alla direttiva macchine 2006/42/CE Allegato II punto A / According to machinery directive 2006/42/CE Enclosure II part A

BOBINA / REEL	N.	1562
DIAMETRO NOMINALE / NOMINAL DIAMETER	mm.	19,0000
PIESSE / WEIGHT	kg/mt	1,8420
RIVESTIMENTO DEI FILI / EXECUTION OF WIRES	GALVANIZED LUBRICATED	
PREFORMAZIONE / PREFORMED	YES	
FORMAZIONE / CONSTRUCTION	35x7 NON ROTATING COMPACTED	
AVVOLGIMENTO / TYPE OF LAY	RHLL	
FILI / WIRES	N.	245
DIAMETRO DEI FILI / WIRES DIAMETER	mm.	
RESISTENZA DEI FILI / TENSILE STRENGTH	N/mm ²	1.960,0000
CARICO DI ROTTURA MINIMO / MIN. BREAKING LOAD	kN	344,5000
CARICO DI ROTTURA EFFETTIVO / ACTUAL BREAKING LOAD	kN	
CARICO DI ROTTURA ADDIZIONALE / CALCULATED BREAKING LOAD	kN	
LUNGHEZZA / LENGTH	Mt.	64 x 2
NORMA RIFERIMENTO / STANDARD	EN 12385-4 / EN 13414-1	
NOTE / REMARKS	ROPE COMPLETE WITH DIN 3091 SOLID THIMBLE AT ONE END ONLY	

Si dichiara che il materiale descritto risponde ed e' conforme alla vigente Direttiva Comunitaria Macchine 2006/42/CE. Si segnala inoltre che non ne è consentito un utilizzo diverso da quello indicato nelle istruzioni di assemblaggio ed utilizzo consultabili al sito internet www.sirtef.it. Il fascicolo tecnico è disponibile presso la nostra sede.

We declare under our sole responsibility that the product to which this declaration relates is in conformity with the regulation of 2006/42/CE. It is a precondition to put it into service that the instructions for use has been read and understood. Instructions for use available on our site www.sirtef.it for your convenience. The relevant technical documentation is available upon request.

TMA s.r.l.
Via S. Vito, 221
SPILAMBERTO - MO

SIRTEF s.r.l.
General Manager
- Dott. M. Martucci

Palfinger Marine, d.o.o.
Spelina ulica 22
SLO- 2000 Maribor-Slovenia-Europe
SLOWENIEN

Horst, 2015-07-17

Order-no. 4501971362KA311003611
Date order 2015-07-07

our Order-no . 352598 – Pos. 1

****** coating for cargo hook 15 t EZ551AEX ******

coating for use in hazardous areas zone 1, explosion group IIB and directive 94/9/EG (ATEX), according to report TÜV Nord from 15.04.2009, see attachmend

- 1) undercoating 50 μ Metco Sprabronze
- 2) durface layer 250 μ Sprabronze P

total coating thickness 300 μ

This document is legally binding without signature. Mrs. Silke Hoffmann / department certificate

Mohr-Hebetechnik GmbH
Max-Planck-Str. 2
25358 Horst

Tel.: +49 4126 3930-0
Fax: +49 4126 3930-20

E-Mail: info@mohr-hebetechnik.de
Internet: www.mohr-hebetechnik.de

Geschäftsführer: Matthias Flick
Amtsgericht: Pinneberg, HRB 2552 IZ
Sitz der Gesellschaft: Horst/Holstein
USt.-IdNr.: DE134791457

Palfinger Marine, d.o.o.
Spelina ulica 22
SLO- 2000 Maribor-Slovenia-Europe
SLOWENIEN

Horst, 2015-06-04

Order-no. 1036-4501936341
Date order 2015-05-15

our Order-no . 351821 – pos. 2

****** coating for cargo hook 8 t, EZ1598XB ******

coating for use in hazardous areas zone 1, explosion group IIB and directive 94/9/EG (ATEX), according to report TÜV Nord from 15.04.2009, see attachment

- 1) undercoating 50 μ Metco Sprabronze
- 2) durface layer 250 μ Sprabronze P

total coating thickness 300 μ

This document is legally binding without signature. Mrs. Silke Hoffmann / department certificate

Palfinger Marine, d.o.o.
Spelina ulica 22
SLO- 2000 Maribor-Slovenia-Europe
SLOWENIEN

Horst, 2015-06-04

Order-no. 1036-4501936341
Date order 2015-06-04

our Order-no . 351821 – pos. 1

****** coating for cargo gear CPUL004310EX ******


coating for use in hazardous areas zone 1, explosion group IIB and directive 94/9/EG (ATEX), according to report TÜV Nord from 15.04.2009, see attachmend

- 1) undercoating 50 µ Metco Sprabronze
- 2) durface layer 250 µ Sprabronze P

total coating thickness 300 µ

This document is legally binding without signature. Mrs. Silke Hoffmann / department certificate

W E 34 866

<p>LAMET Sollevamenti s.r.l. GANCI - LAVORAZIONE METALLI - APPAR. SOLLEVAMENTO 28040 DORMELLETO (NO) ITALY Tel.0322-241593 Fax 0322-46771</p>	<p>ABNAHMEPRÜFZEUGNIS nach DIN 15 404 Teil 1 N. <u>7669.14</u></p>	
<p>Besteller: PICHORNER METALL TECHNIK GmbH KARNERAU 22 - 9853 GMUND IN KARTEN (AU)</p> <p>Hersteller: LAMET Sollevamenti srl - via C. Battisti 12 28040 DORMELLETO ITALIA</p> <p>Auftrags-nr. des Bestellers: 2014-12785 del 29/10/14 Auftrags-nr. des Herstellers: 144557 del 29/10/14</p>		<p>Kennzeichnung: LD CE A-t.8 V-AIG1 MATRICOLA (PZ40 B14191;PZ40 B14193)</p>

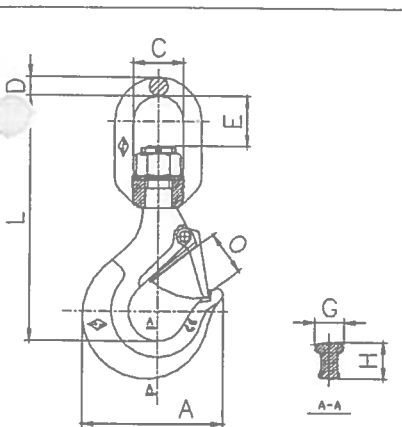
<p>Codex Lamet: 0G9106AX Codex des Bestellers: EZ1598 Stückzahl: PZ 80 Tragfähigkeit: 8 t.</p>	<p>Art: LIFTING SWIVEL HOOK WITH SAFETY LATCH Los: V-AIG Safety factor: 4</p>
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Chemische Zusammensetzung nach der Schmelzanalyse Massenanteile in %
 Werkstoff: 18NiCrMo5 - Schmelzen-Nr: 13/78306

	C%	Mn%	Si%	P%	S%	Cr%	Ni9%	Mo%	Cu%	Sn%	Al%	Ti%	V%
Nominali:	-	-	-	-	-	-	-	-	-	-	-	-	-
Reali:	0,185	0,84	0,24	0,012	0,025	0,9	1,28	0,23	0,2	0,01	0,022	0,016	0,004

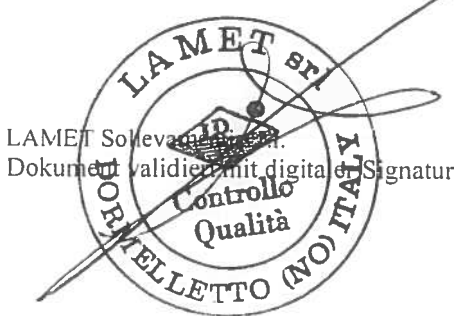
	Zugfestigkeit Rm N/mm ²	Obere Streckgrenze ReH N/mm ²	Bruchdehnung A ₅ %
Nominali:			
Reali:	1470	1352	11

Wärmebehandlung bei: **880°C** **78 min** beschleunigt abgekühlt in ACQUA
 anschließend sofort: **560°C** **180 min**



Massprüfung								
A	C	D	E	G	H	L	O	
166	62	22	58	36	44	287	50	

Gewicht: 6,5 kg



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 Dormelletto 26/11/14

LAMET Sollevamenti s.r.l.
 Documento validato con digitale Signatur

WE34866

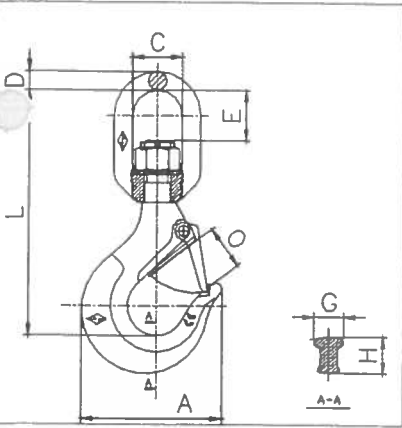
<p>LAMET Sollevamenti s.r.l. GANCI - LAVORAZIONE METALLI- APPAR. SOLLEVAMENTO 28040 DORMELLETO (NO) ITALY Tel.0322-241593 Fax 0322-46771</p>	<p>ABNAHMEPRÜFZEUGNIS nach DIN 15 404 Teil 1 N. <u>7669.14</u></p>	
<p>Besteller: PICHORNER METALL TECHNIK GmbH KARNERAU 22 - 9853 GMUND IN KARNTEN (AU)</p> <p>Hersteller: LAMET Sollevamenti srl - via C. Battisti 12 28040 DORMELLETO ITALIA</p> <p>Auftrags-nr. des Bestellers: 2014-12785 del 29/10/14 Auftrags-nr. des Herstellers: 144557 del 29/10/14</p>		<p>Kennzeichnung:</p> <p>LD CE A-t.8 V-AIGI MATRICOLA (PZ40 B14191;PZ40 B14193)</p>

<p>Codex Lamet: 0G9106AX Codex des Bestellers: EZ1598 Stückzahl: PZ 80 Tragfähigkeit: 8 t.</p>	<p>Art: LIFTING SWIVEL HOOK WITH SAFETY LATCH Los: V-AIG Safety factor: 4</p>
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Chemische Zusammensetzung nach der Schmelzanalyse Massenanteile in %													
Werkstoff: 18NiCrMo5 - Schmelzen-Nr: 13/78306													
	C%	Mn%	Si%	P%	S%	Cr%	Ni%	Mo%	Cu%	Sn%	Al%	Ti%	V%
Nominali:	-	-	-	-	-	-	-	-	-	-	-	-	-
Reali:	0,185	0,84	0,24	0,012	0,025	0,9	1,28	0,23	0,2	0,01	0,022	0,016	0,004

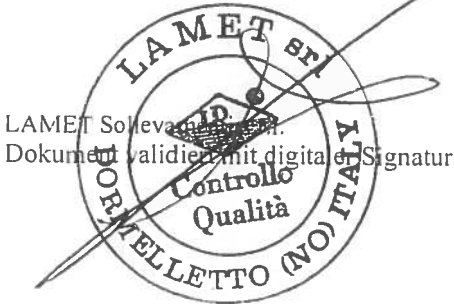
	Zugfestigkeit Rm N/mm ²	Obere Streckgrenze ReH N/mm ²	Bruchdehnung A ₅ %
Nominali:			
Reali:	1470	1352	11

<p>Wärmebehandlung bei: 880°C anschließend sofort: 560°C</p>	<p>78 min 180 min</p>	<p>beschleunigt abgekühlt in ACQUA</p>
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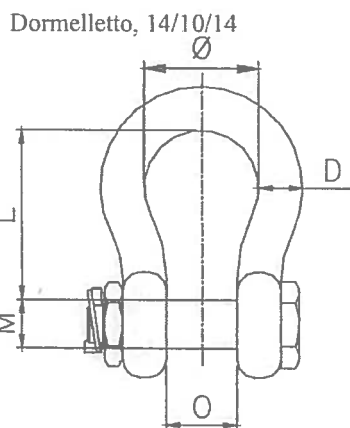


Massprüfung								
A	C	D	E	G	H	L	O	
166	62	22	58	36	44	287	50	

Gewicht: 6,5 kg



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Dormelletto 26/11/14



PALFINGER MARINE d.o.o MARIBOR
SPELINA ULICA 22
2000 MARIBOR - SLOVENIA (SI)

CERTIFICATE N° 6549.14
 According to directive 2006/42/CE

Delivered quantity: **PZ 10**
 Order of customer: **1036-4501749278** - Date: 18/08/14
 Our order no.: **143484** - Date: 01/09/14

Code		WLL (t)	Dimensions (mm)						
Lamet	Customer		D	O	L	M	Ø		
0GL442AB	EZ394 OLD VERSION	25	39	61	146	42	95		

- 1) Description: **CHAIN SHACKLE SCREW PIN**
- 2) Proof load: **kN 613**
- 3) Minimum breaking strenght: **kN 981**
- 4) Utilized steel: **all ALLOY STEEL**
- 5) Heat treatment : **Hardened and Tempered.**
- 6) Marking: **LD CE t. 25 NG-AND**
- 7) Safety factor = **4**
- 8) Weight: **8,45 kg**



Azienda con Sistema
 Qualità Certificato
 ISO 9001:2008

Uffici e magazzino:
 Lamet Sollevamenti srl
 28040 Dormelletto (NO)
 Via C. Battisti, 14
 0322 - 241593 (4 r.a.)
 Fax 0322 - 46771
 www.lamet.net
 segreteria@lametsrl.com

Sede Legale:
 Via P. Nenni, 12
 28053 - Castelletto Ticino

Capitale Sociale:
 26.000 € i.v.
 P.IVA IT 01443030034
 C.F. e N. ISCR. 01443030034
 REG. IMPRESE NOVARA

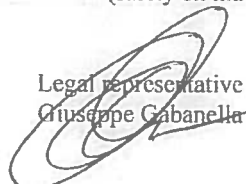
EC DECLARATION OF CONFORMITY


Directive on Machinery 2006/42/EC - annex II, point I-A

Manufacturer undersigned declares under his own responsibility that the lifting accessory manufactured on 2014 is in conformity with the Directive of Machinery 2006/42/EC
 Harmonized standards applied: EN - 12100 parts 1 - 2 (safety on machinery)



Legal representative
 Giuseppe Gabanella



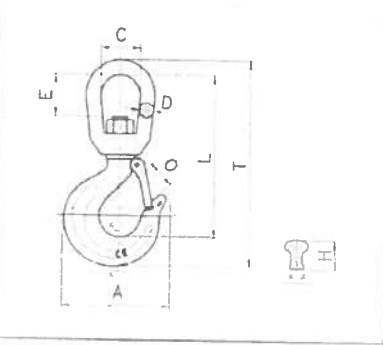
LAMET Sollevamenti s.r.l. GANCI - LAVORAZIONE METALLI- APPAR. SOLLEVAMENTO 28040 DORMELLETO (NO) ITALY Tel.0322-241593 Fax 0322-46771	ABNAHMEPRÜFZEUGNIS nach DIN 15 404 Teil 1 N. <u>4558.15</u>	
Besteller: PALFINGER MARINE d.o.o MARIBOR SPELINA ULICA 22 - 2000 MARIBOR - SLOVENIA (SI) Hersteller: LAMET Sollevamenti srl - via C. Battisti 12 28040 DORMELLETO ITALIA Auftrags-nr. des Bestellers: 1036-4501933541 del 11/05/15 Auftrags-nr. des Herstellers: 152116 del 11/05/15	Kennzeichnung: LD CE C-1. 15 MATRICOLA C1509	

Codex Lamet: 0G1909CP Codex des Bestellers: EZ551A Stückzahl: PZ 1 Tragfähigkeit: 15 t.	Art: SWIVEL HOOK CARBON STEEL C/CUS 81112 Los: SI-BH Safety factor: 5
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Chemische Zusammensetzung nach der Schmelzanalyse Massenanteile in %
 Werkstoff: 2C40 - Schmelzen-Nr: 13/77678

	C%	Mn%	Si%	P%	S%	Cr%	Ni%	Mo%	Cu%	Sn%	Al%	Ti%	V%
Nominal:	-	-	-	-	-	-	-	-	-	-	-	-	-
Reali:	0,405	0,77	0,24	0,017	0,023	0,19	0,12	0,03	0,22	0,009	0,021	0,005	0,002

	Zugfestigkeit Rm N/mm ²	Obere Streckgrenze ReH N/mm ²	Bruchdehnung A ₅ %
Nominal:			
Reali:	781	663	19,8



Massprüfung							
A	C	D	E	H	L	O	T
279	122	38	110	76	438	79	551

Gewicht: 27,2 kg



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 Documento validato digitalmente con la firma elettronica qualificata di [Signature]

Dormelletto 30/06/15