



Inspection Document
EN 10204
Prüfbescheinigung

HILTI (CHINA) LTD.
Yongping Road, South,
Zhanjiang, Guangdong, PRC

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| Document No. <i>Dokument Nr.</i> |
| P8_2.2_100 |

Type of Inspection Document/Typ der *Prüfbescheinigung*

Test report/*Werkszeugnis* 2.2 ✓
Inspection certificate/*Abnahmeprüfzeugnis* 3.1

| Item-Nr. | Product designation | Customer ref. -Nr. | Batch-Nr. | Quantity |
|-----------------|---------------------------|------------------------|-----------------------|--------------|
| <i>Sach-Nr.</i> | <i>Produktbezeichnung</i> | <i>Kunden Ref. Nr.</i> | <i>Charge/Los Nr.</i> | <i>Menge</i> |
| Code art. | Référence produit | No. ref. de client | Commande No. | Quantité |
| 2011729 | HAS-F M16x125/25 5.8 1N | | | |
| | | | | |
| | | | | |

Remarks/*Bemerkungen/Remarques*

We herewith certify, that the material described above complies with the terms of the order.

Hiermit bestätigen wir, dass die oben angeführte Lieferung den Vereinbarungen bei der Bestellung entspricht.

Nous certifions que la livraison est conforme aux stipulations de la commande.

Issuer/Aussteller Amy Yuan
Department/Bereich P8Q
Contact/Kontakt (86) 759 3379226

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Date/*Datum*: 4-Mar-2013



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| Item-Nr. | Product designation | Customer ref. -Nr. | Batch-Nr. | Quantity |
|-----------|-------------------------|--------------------|----------------|----------|
| Sach-Nr. | Produktbezeichnung | Kunden Ref. Nr. | Charge/Los Nr. | Menge |
| Code art. | Référence produit | No. ref. de client | Commande No. | Quantité |
| 2011729 | HAS-F M16x125/25 5.8 1N | | | |

| | | | | | | |
|-------------------------|--------------|----------------|----------------|--|--|--|
| Item designation | HAS-F | Rod M16 | Nut M16 | | | |
| Sachbezeichnung | M16x125/25 | | | | | |
| Reference composant | 5.8 1N | | | | | |

Inspection values/Prüfergebnisse

| Chemical composition | | set value | actual value | set value | actual value | set value | actual value | set value | actual value | set value | actual value |
|--------------------------------------|----|---|--------------|-------------|-------------------|-------------------|---|-----------|--------------|-----------|--------------|
| Chem. Zusammensetzung | | | | | | | | | | | |
| C % | | 0.00-0.55 | 0.36 | 0.00-0.58 | 0.15 | | | | | | |
| Si % | | | | | | | | | | | |
| Mn % | | | | min. 0.30 | 0.43 | | | | | | |
| P % | | 0.000-0.050 | 0.014 | 0.000-0.110 | 0.009 | | | | | | |
| S % | | 0.000-0.060 | 0.009 | 0.000-0.150 | 0.001 | | | | | | |
| Cr % | | | | | | | | | | | |
| Mo % | | | | | | | | | | | |
| Ni % | | | | | | | | | | | |
| Cu % | | | | | | | | | | | |
| B % | | | | | | | | | | | |
| Al % | | | | | | | | | | | |
| N % | | | | | | | | | | | |
| Pb % | | | | | | | | | | | |
| Mech. properties | | | | | | | | | | | |
| Mechanische Eigensch. / Mecan. prop. | | | | | | | | | | | |
| N | | | | | | | | | | | |
| V | | | | | | | | | | | |
| Fp | | | | 126 | 126 | | | | | | |
| HV | | | | | | | | | | | |
| HRC | | | | | | | | | | | |
| A | | min. 10 | 12-16 | | | | | | | | |
| Z | | | | | | | | | | | |
| R _{p0.2} | | min. 420 | 618-699 | | | | | | | | |
| R _m | | min. 520 | 776-837 | | | | | | | | |
| Layer thickness/Schichtdicke | | | | | | | | | | | |
| Epaisseur de couche extérieure | | | | | | | | | | | |
| d (Zn) | | min. 40 | 45-78 | min. 40 | 67-75 | | | | | | |
| N | kN | Tension load / Bruchlast Zug / charge de tension | | | Z | % | Reduction of area / Einschnürung / contraction | | | | |
| V | kN | Shear load / Querlast / charge de cisaillement | | | R _{p0.2} | N/mm ² | Yield strength / Streckgrenze / limite d'elasticite | | | | |
| F _p | N | Proof load / Prüfkraft / charge limite | | | R _m | N/mm ² | Ultimate tensile strength / Zugfestigkeit / resistance a la | | | | |
| HV | - | Vickers hardness / Härte Vickers / druete Vickers | | | d (Zn) | µm | Mean zinc thickness/ mittlere Schicht-dicke Zn / epaisseur de | | | | |
| A | % | Elongation after fracture / Bruch-dehnung / elongation apres fracture | | | | | | | | | |