



Prüfbescheinigungen  
**EN 10204**  
Inspection Documents

HILTI Aktiengesellschaft  
Feldkircherstrasse 100  
FL-9494 Schaan  
Fürstentum Liechtenstein

Dokument /  
Document

Nr: 11/26112012

**Prüfbescheinigung / Inspection Document**

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Artikel-Nr. Item-# Code art.	Produktbezeichnung Product designation Réfèrence produit	Auftrags-Nr. Order-# Votre commande	Charge / Los-Nr. Batch-code Commande No.	Menge Quantity Quantité
2008334	Threaded rod AM30x3000 8.8 zinc plated			

Bemerkungen:  
Remarks:  
Remarques:

Hiermit bestätigen wir, dass die oben angeführte Lieferung den Vereinbarungen bei der Bestellung entspricht.  
*We herewith certify, that the material described above complies with the terms of the order.*  
Nous certifions que la livraison est conforme aux stipulations de la commande.

Issuer:

Name : Aniko Huebner-Borbely  
Street : Feldkircherstrasse 100  
City : 9494 Schaan  
Country : Fürstentum Liechtenstein

Verantwortliche Stelle  
Responsible Department  
Service responsable

Datum / Date: 26.11.2012



# CERTIFICATE

## 2.2

**Size : M30X3000**

**Nr. : 2008334**

**Specification: ISO 898-1(2009) 8.8**

### Chemical composition

	C <sup>(c)</sup>	Si	Mn	P	S	Ni	Cr	Mo	Cu	Al	Pb	Sn	B
Min.	0.15 / 0.25												
Max.	0.40 / 0.55			0.025	0.025								
<b>Results</b>	<b>0.41</b>	<b>0.25</b>	<b>0.58</b>	<b>0.020</b>	<b>0.009</b>		<b>0.88</b>						

(c) See notes in norm ISO 898-1 table 2

### Mechanical properties

	Yield Strength. R <sub>p0.2</sub> N/mm <sup>2</sup> ≤M16-->M16	Tensile Strength. R <sub>m</sub> N/mm <sup>2</sup> ≤M16-->M16	Elongation A %	Impact strenght K <sub>v</sub> Joules (charpy)	Hardness Rockwell HRC ≤M16-->M16	Reduction after fracture Z %
Min.	640 - 660	800 - 830	12%	27(-20°C for ≥M16)	22 - 23	52%
Max.					32 - 34	
<b>Results</b>	<b>819</b>	<b>910</b>	<b>14</b>	<b>51</b>	<b>31</b>	<b>56</b>

Remarks :Material hardened and tempered on min.425°C

All information given is based on original certificates or own tests on the material in cold drawn, or finished condition.