



P8

Inspection Document
EN 10204
Prüfbescheinigung

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

Document No. *Dokument Nr.*

P8_2.2_073

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
333134	HAS-E-R M16x125/198			

Item designation	HAS-E-R	Rod M16	Nut M16	Washer 17		
Sachbezeichnung	M16x125/198					
Reference composant	8					

Inspection values/Prüfergebnisse

Chemical composition		set	actual	set	actual	set	actual	set	actual	set	actual
Chem. Zusammensetzung		value	value	value	value	value	value	value	value	value	value
C %		0.00-0.07	0.02	0.00-0.08	0.02	0.00-0.08	0.01				
Si %		0.00-1.00	0.39	0.00-1.00	0.62	0.00-1.00	0.44				
Mn %		0.00-2.00	1.83	0.00-2.00	1.39	0.00-2.00	1.47				
P %		0.000-0.045	0.031	0.000-0.050	0.029	0.000-0.050	0.033				
S %		0.000-0.030	0.030	0.000-0.030	0.003	0.000-0.030	0.002				
Cr %		16.50-18.50	16.80	16.00-18.50	17.20	16.00-18.50	17.17				
Mo %		2.00-2.50	2.02	2.00-3.00	2.01	2.00-3.00	2.08				
Ni %		10.00-13.00	10.13	10.00-14.00	10.15	10.00-14.00	10.10				
Cu %											
B %											
Al %											
N %		0.00-0.11	0.08								
Pb %											
Mech. properties											
Mechanische Eigensch. / Mecan. prop.											
N											
V											
Fp				110	110						
HV						140-250	152				
A		min. 20	32								
Z											
R_{p0.2}		min. 350	600								
R_m		700-850	755								
Layer thickness/Schichtdicke											
Epaisseur de couche extérieure											
d (Zn)											
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 / durete Vickers				d (Zn)	µm	Mean zinc thickness/ mittlere Schicht-dicke Zn / epaisseur			
A	%	Elongation after fracture / Bruch-dehnung / elongation apres fracture									