



P8

Inspection Document
EN 10204
Prüfbescheinigung

HILTI (CHINA) LTD.
Yongping Road, South,
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Document No. *Dokument Nr.*

P8_2.2_131

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
387079	Anchor rod HIT-V-R M10X190			

Item designation	Anchor rod	Rod	Nut	Washer		
Sachbezeichnung	HIT-V-R	螺杆	螺母	垫片		
Reference composant	M10X190					

Inspection values/Prüfergebnisse**Chemical composition**

Chem. Zusammensetzung	set value	actual value	set value	actual value	set value	actual value	set value	actual value	set value	actual value
C %	0.00-0.08	0.02	0.00-0.08	0.01	0.00-0.08	0.02				
Si %	0.00-1.00	0.36	0.00-1.00	0.52	0.00-1.00	0.53				
Mn %	0.00-2.00	1.79	0.00-2.00	1.54	0.00-2.00	1.45				
P %	0.000-0.045	0.027	0.000-0.050	0.033	0.000-0.050	0.031				
S %	0.000-0.030	0.025	0.000-0.030	0.002	0.000-0.030	0.003				
Cr %	16.00-18.50	16.85	16.00-18.50	17.34	16.00-18.50	17.1				
Mo %	2.00-3.00	2.02	2.00-3.00	2.04	2.00-3.00	2.05				
Ni %	10.00-15.00	10.20	10.00-14.00	10.10	10.00-14.00	10.10				
Cu %										
B %										
Al %										
N %										
Pb %										

Mech. properties

Mechanische Eigensch. / Mecan. prop.

N										
V										
Fp			41	41						
HV					140-250	147				
HRC										
A	min. 0.4d	32								
Z										
R_{p0.2}	min. 450	665								
R_m	min. 700	735								

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 / druete Vickers	d (Zn)	µm	Mean zinc thickness/ mittlere Schicht-dicke Zn / epaisseur		
A	%	Elongation after fracture / Bruch-dehnung / elongation apres fracture					