



P8

Inspection Document
EN 10204
Prüfbescheinigung

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

Document No. *Dokument Nr.*

P8_2.2_029

| 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 |
| 259946 | HAS-R M8x80/54 | | | |

| Item designation | HAS-R | Rod M8 | Nut M8 | Washer 8.4 | | |
|---------------------|----------|--------|--------|------------|--|--|
| Sachbezeichnung | M8x80/54 | | | | | |
| Reference composant | | | | | | |

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 | 0.01 | 0.00-0.08 | 0.01 | | | | |
| Si % | | 0.00-1.00 | 0.36 | 0.00-1.00 | 0.51 | 0.00-1.00 | 0.39 | | | | |
| Mn % | | 0.00-2.00 | 1.78 | 0.00-2.00 | 1.51 | 0.00-2.00 | 1.44 | | | | |
| P % | | 0.000-0.045 | 0.028 | 0.000-0.050 | 0.03 | 0.000-0.050 | 0.029 | | | | |
| S % | | 0.000-0.030 | 0.027 | 0.000-0.030 | 0.001 | 0.000-0.030 | 0.002 | | | | |
| Cr % | | 16.50-18.50 | 16.63 | 16.00-18.50 | 17.33 | 16.00-18.50 | 17.14 | | | | |
| Mo % | | 2.00-2.50 | 2.03 | 2.00-3.00 | 2.08 | 2.00-3.00 | 2.03 | | | | |
| Ni % | | 10.00-13.00 | 10.02 | 10.00-14.00 | 10.07 | 10.00-14.00 | 10.11 | | | | |
| Cu % | | | | | | | | | | | |
| B % | | | | | | | | | | | |
| Al % | | | | | | | | | | | |
| N % | | 0.00-0.11 | 0.08 | | | | | | | | |
| Pb % | | | | | | | | | | | |
| Mech. properties | | | | | | | | | | | |
| Mechanische Eigensch. / Mecan. prop. | | | | | | | | | | | |
| N | | | | | | | | | | | |
| V | | | | | | | | | | | |
| Fp | | | | 26 | 26 | | | | | | |
| HV | | | | | | 140-250 | 143 | | | | |
| A | | min.20 | 29 | | | | | | | | |
| Z | | | | | | | | | | | |
| R_{p0.2} | | min.350 | 760 | | | | | | | | |
| R_m | | 700-850 | 835 | | | | | | | | |
| 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 | | | | | | | | |