



CEWELD 308L Tig

| TYPE | Stainless steel Tig filler metal for welding CrNi 18/10 types.(Type 308L, 19 9 L) | | | | | | | | | | | | | | | | | |
|---|---|-------------------|-------------------------|----------------------|--------------------|-------------------------|--------------------|----------|-------------------------|--------|-----------|-------|-------|----|-----|----|-----|--|
| APPLICATIONS | Boilers, agriculture, liquid storage tanks, food machinery, furniture. | | | | | | | | | | | | | | | | | |
| PROPERTIES | CEWELD® 308L Tig has good general corrosion resistance. The alloy has a low carbon content, making it particularly recommended where there is a risk of intergranular corrosion. | | | | | | | | | | | | | | | | | |
| CLASSIFICATION | AWS | A 5.9: ER308L | | | | | | | | | | | | | | | | |
| | EN ISO | 14343-A: W 19 9 L | | | | | | | | | | | | | | | | |
| | W.Nr. | 1.4316 | | | | | | | | | | | | | | | | |
| | F-nr | 6 | | | | | | | | | | | | | | | | |
| | FM | 5 | | | | | | | | | | | | | | | | |
| SUITABLE FOR | ISO 15608: 8.1 Austenitic ≤ 19 % Cr 9%Ni , TÜV 1000: Gr. 21 - 22 (29 max.350°C), 1.4301, 1.4306, 1.4307, 1.4308, 1.4311, 1.4312, 1.4316, 1.6900, 1.6901, 1.6902, 1.6903, 1.9606, 1.4541, 1.4546, 1.4550 X 5 CrNi 18 10, X 2 CrNi 19 11, X 5 CrNi 18 9, G-X 6 CrNi 18 9, X 12 CrNi 18 9, G-X 8 CrNi 18 10, X 6 CrNi 18 10, X 10 CrNiTi 18 10, X 5 CrNi 18 10 AISI 304, 304H, 312, 321H, 347, 347H, UNS S30409, S32109, S34709, S30400, S32100, S34700 | | | | | | | | | | | | | | | | | |
| APPROVALS | CE | | | | | | | | | | | | | | | | | |
| WELDING POSITIONS | | | | | | | | | | | | | | | | | | |
| TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%) | <table border="1"> <thead> <tr> <th>C</th> <th>Si</th> <th>Mn</th> <th>P</th> <th>S</th> <th>Cr</th> <th>Ni</th> </tr> </thead> <tbody> <tr> <td>0.02</td> <td>0.5</td> <td>1.5</td> <td>0.015</td> <td>0.015</td> <td>20</td> <td>10</td> </tr> </tbody> </table> | C | Si | Mn | P | S | Cr | Ni | 0.02 | 0.5 | 1.5 | 0.015 | 0.015 | 20 | 10 | | | |
| C | Si | Mn | P | S | Cr | Ni | | | | | | | | | | | | |
| 0.02 | 0.5 | 1.5 | 0.015 | 0.015 | 20 | 10 | | | | | | | | | | | | |
| MECHANICAL PROPERTIES | <table border="1"> <thead> <tr> <th rowspan="2">Heat Treatment</th> <th rowspan="2">R_{P0,2} (MPa)</th> <th rowspan="2">R_m (MPa)</th> <th rowspan="2">A₅ (%)</th> <th colspan="2">Impact Energy (J) ISO-V</th> <th rowspan="2">Hardness</th> </tr> <tr> <th>RT</th> <th>-196°C</th> </tr> </thead> <tbody> <tr> <td>As Welded</td> <td>420</td> <td>595</td> <td>37</td> <td>120</td> <td>47</td> <td>HRC</td> </tr> </tbody> </table> | Heat Treatment | R _{P0,2} (MPa) | R _m (MPa) | A ₅ (%) | Impact Energy (J) ISO-V | | Hardness | RT | -196°C | As Welded | 420 | 595 | 37 | 120 | 47 | HRC | |
| Heat Treatment | R _{P0,2} (MPa) | | | | | R _m (MPa) | A ₅ (%) | | Impact Energy (J) ISO-V | | Hardness | | | | | | | |
| | | RT | -196°C | | | | | | | | | | | | | | | |
| As Welded | 420 | 595 | 37 | 120 | 47 | HRC | | | | | | | | | | | | |
| REDRYING | Not required | | | | | | | | | | | | | | | | | |
| GAS ACC. EN ISO 14175 | I1 | | | | | | | | | | | | | | | | | |



CEWELD 308L Tig

308L TIG 1,2 X 1000MM

| Packaging | KG/unit | EanCode |
|-----------|---------|---------------|
| Tube | 5 | 8720663412348 |

308L TIG 1,6 X 1000MM

| Packaging | KG/unit | EanCode |
|-----------|---------|---------------|
| Tube | 5 | 8720663412355 |

308L TIG 2,0 X 1000MM

| Packaging | KG/unit | EanCode |
|-----------|---------|---------------|
| Tube | 5 | 8720663412362 |

308L TIG 2,4 X 1000MM

| Packaging | KG/unit | EanCode |
|-----------|---------|---------------|
| Tube | 5 | 8720663412379 |

308L TIG 3,2 X 1000MM

| Packaging | KG/unit | EanCode |
|-----------|---------|---------------|
| Tube | 5 | 8720663412386 |