



# CEWELD 316L

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |                      |                    |                         |        |          |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|----------------------|--------------------|-------------------------|--------|----------|
| TYPE                                              | Solid stainless steel welding wire (AISI 316)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                         |                      |                    |                         |        |          |
| TOEPASSINGEN                                      | The alloy is widely used in the chemical and food-processing industries, as well as in shipbuilding and various types of architectural structure.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                         |                      |                    |                         |        |          |
| EIGENSCHAPPEN                                     | 316L offers good general corrosion resistance, particularly to corrosion in acid and chlorinated environments.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                         |                      |                    |                         |        |          |
| CLASSIFICATIE                                     | AWS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | A 5.9: ER316L           |                      |                    |                         |        |          |
|                                                   | EN ISO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 14343-A: G 19 12 3 L    |                      |                    |                         |        |          |
|                                                   | W.Nr.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1.4430                  |                      |                    |                         |        |          |
|                                                   | F-nr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 6                       |                      |                    |                         |        |          |
|                                                   | FM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 5                       |                      |                    |                         |        |          |
| GESCHIKT VOOR                                     | <b>ISO 15608: 8.1 Austenitic <math>\leq 19\%</math> Cr</b><br>1.4301, 1.4303, 1.4306, 1.4308, 1.4311, 1.4401, 1.4404, 1.4406, 1.4408, 1.4429, 1.4435, 1.4436, 1.4438, 1.4439, 1.4541, 1.4550, 1.4552, 1.4571, 1.4580, 1.4581, 1.4583, 1.4941, 1.4948, 1.4949, 1.4961, 1.6900, 1.6901, 1.6902, 1.6903<br>X102CrNiMoNb 18 12, X2CrNiMo 18 14 3 (TP), X4CrNiMo 17 13 3, X2CrNiMo 17 12 2 (TP), X 5CrNiMo 19 11 2, X4CrNiMo 17 12 2 (TP), X6CrNiMo 17 12 2, X6CrNiMoNb 17 12 3, X2CrNiMoN 17 12 3 (TP), X2CrMoTi18-2<br>316Cb, 316L, 316L, 316LN, 316H, 316, 316Ti, 316Cb, 316LN, 444<br>S31640, S31603, S31653, S31600, S31630, S44400 |                         |                      |                    |                         |        |          |
| GOEDKEURINGEN                                     | CE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                         |                      |                    |                         |        |          |
| LASPOSITIES                                       | <div> PA</div> <div> PB</div> <div> PC</div> <div> PD</div> <div> PE</div> <div> PF</div>                         |                         |                      |                    |                         |        |          |
| TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%) | C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Si                      | Mn                   | Cr                 | Ni                      | Mo     |          |
|                                                   | 0.02                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0.5                     | 1.5                  | 19                 | 12                      | 2.8    |          |
| MECHANISCHE WAARDEN                               | Heat Treatment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | R <sub>P0,2</sub> (MPa) | R <sub>m</sub> (MPa) | A <sub>5</sub> (%) | Impact Energy (J) ISO-V |        | Hardness |
|                                                   | As Welded                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 430                     | 590                  | 35                 | RT                      | -196°C | HRc      |
| HERDROGEN                                         | Not required                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         |                      |                    |                         |        |          |
| GAS ACC. EN ISO 14175                             | M11, M13, M12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                         |                      |                    |                         |        |          |



# CEWELD 316L

316L 0,8MM

| Packaging | KG/unit | EanCode       |
|-----------|---------|---------------|
| D-200     | 5       | 8720682050071 |

316L 1,2MM

| Packaging | KG/unit | EanCode       |
|-----------|---------|---------------|
| BS-300    | 15      | 8720663413543 |

316L 2,0MM

| Packaging | KG/unit | EanCode       |
|-----------|---------|---------------|
| BS-300    | 15      | 8720663413598 |