



# CEWELD 4130

|               |                                                                                                                           |        |
|---------------|---------------------------------------------------------------------------------------------------------------------------|--------|
| TYPE          | High strength low alloyed Chromium / Molybdenum filler metal.                                                             |        |
| TOEPASSINGEN  | Used in aeronautical sector, construction of connecting rods for automotive sector, fixing part, gears, bolts, axes etc.. |        |
| EIGENSCHAPPEN | 4130 offers extreme high strength with excellent ductility and good weldability.                                          |        |
| CLASSIFICATIE | W.Nr.                                                                                                                     | 1.7218 |

|               |                                                                                       |
|---------------|---------------------------------------------------------------------------------------|
| GESCHIKT VOOR | 1.7218, 1.7225<br>25 CD4, 13 CD45, 16MnCr5, 25CrMo4, 42CrMo4<br>AISI 4130, 8630, 4140 |
|---------------|---------------------------------------------------------------------------------------|

|               |    |
|---------------|----|
| GOEDKEURINGEN | CE |
|---------------|----|

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LASPOSITIES |        |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                   |     |     |     |    |     |     |
|---------------------------------------------------|-----|-----|-----|----|-----|-----|
| TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%) | C   | Mn  | Si  | Cr | Mo  | Ni  |
|                                                   | 0.3 | 0.5 | 0.3 | 1  | 0.2 | 0.1 |

|                     |                |                         |                      |        |          |
|---------------------|----------------|-------------------------|----------------------|--------|----------|
| MECHANISCHE WAARDEN | Heat Treatment | R <sub>P0.2</sub> (MPa) | R <sub>m</sub> (MPa) | A5 (%) | Hardness |
|                     | As Welded      | 1140                    | 1170                 | 11     | 38 HRc   |

|           |              |
|-----------|--------------|
| HERDROGEN | Not required |
|-----------|--------------|

GAS ACC. EN ISO 14175