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# STAINLESS STEELS

## NICKEL ALLOYS AND TITANIUM

### OUR PRODUCTS

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- Sheets and plates (0.6mm - 150mm thick)
- Round bar 3mm to 400mm diameter
- Hollow bar
- Flat bar
- Square bar
- Hexagonal bar
- Angles
- Welded tubes, round, square, rectangular
- Flanges & fittings
- Seamless pipes + fittings
- Profiles H, I, U, T
- Special welded tubes up to 60mm thickness + fittings

**We have the perfect products  
and services for your projects**



| EN-DIN                                | W. NR.        | AISI | ASTM-UNS | AFNOR         | ® REG. TRADEMARKS | KG/DM3 |
|---------------------------------------|---------------|------|----------|---------------|-------------------|--------|
| <b>Ni &amp; Ni Alloys</b>             |               |      |          |               |                   |        |
| Ni 99,2                               | 2,4066        |      | N 02200  | Ni 99,2       | NICKEL 200        | 8,90   |
| LC-Ni 99                              | 2,4068        |      | N 02201  | LC-Ni 99      | NICKEL 201        | 8,90   |
| NiCu 30 Fe                            | 2,4360        |      | N 04400  | Nu 30         | MONEL 400         | 8,88   |
| NiCu 30 Al                            | 2,4375        |      | N 05500  | Nu 30 AT      | MONEL K500        | 8,72   |
| NiCr 21 Mo 14 W                       | 2,4602        |      | N 06022  |               | HASTELLOY C22     | 8,69   |
| NiCr 30 FeMo                          | 2,4603        |      | N 06030  |               | HASTELLOY G30     | 8,22   |
| NiCr Mo 16 Al                         | 2,4605        |      | N 06059  |               | ALLOY 59          | 8,60   |
| NiMo 16 Cr 16 Ti                      | 2,4610        |      | N 06455  |               | HASTELLOY C4      | 8,82   |
| NiMo 28                               | 2,4617        |      | N 10665  |               | HASTELLOY B2      | 9,27   |
| NiCr 22 Mo 6 Cu                       | 2,4618        |      |          |               | HASTELLOY G       | 8,36   |
| NiCr 22 Mo 7 Cu                       | 2,4619        |      | N 06985  |               | HASTELLOY G3      | 8,30   |
| NiCr 20 Ti                            | 2,4630/2,4951 |      | N 06075  | NC 20 T       | NIMONIC 75        | 8,51   |
| NiCr 20 TiAl                          | 2,4631/2,4952 |      | N 07080  | NC 20 TA      | NIMONIC 80 A      | 8,37   |
| NiCr 20 Co 18 Ti                      | 2,4632/2,4969 |      | N 07090  | NC 20 KTA     | NIMONIC 90        | 8,18   |
| NiCr 25 FeAl                          | 2,4633        |      |          |               | ALLOY 602 CA      | 8,00   |
| NiCo 20Cr 15 Mo Al Ti                 | 2,4634        |      | N 13021  | NCKD 20 ATV   | NIMONIC 105       | 8,01   |
| NiCr 29 Fe                            | 2,4642        |      | N 06690  | NC 30 Fe      | ALLOY 690         | 8,20   |
| NiCr 20 CuMo                          | 2,4660        |      | N 08020  |               | CARPENTER 20 Cb 3 | 8,02   |
| NiCr 23 Co 12 Mo                      | 2,4663        |      | N 06617  | NC 22 KDA     | INCONEL 617       | 8,55   |
| NiCr 22 Fe 18 Mo                      | 2,4665/2,4603 |      | N 06002  | NC 22 FeD     | HASTELLOY X       | 8,50   |
| NiCr 19 NbMo                          | 2,4668        |      | N 07718  | NC 19 FeNb    | INCONEL 718       | 8,35   |
| NiCr 15 Fe 7 TiAl                     | 2,4669        |      | N 07750  | NC 15 Fe 7 AT | INCONEL X-750     | 8,37   |
| CoCr 28                               | 2,4778        |      |          |               | UMCO 50           | 8,10   |
| NiCr 15 Fe                            | 2,4816        |      | N 06600  | NC 15 Fe      | INCONEL 600       | 8,50   |
| NiMo 16 Cr 15 W                       | 2,4819        |      | N 01276  | NiMo 16 Cr 15 | HASTELLOY C276    | 9,13   |
| NiCr 23 Fe                            | 2,4851        |      | N 06601  | NC 23 Fe      | INCONEL 601       | 8,25   |
| NiCr 22Mo 9 Nb                        | 2,4856        |      | N 06625  | NC 22 DNb     | INCONEL 625       | 8,63   |
| NiCr 21 Mo                            | 2,4858        |      | N 08825  | NC 21 FeDU    | INCONEL 825       | 8,18   |
| <b>Ti - Tinane - Titanium - Titan</b> |               |      |          |               |                   |        |
|                                       | 3,7025        |      | R 50250  | T 35          | GRADE I (1)       | 4,50   |
|                                       | 3,7035        |      | R 50400  | T 40          | GRADE II (2)      | 4,50   |
|                                       | 3,7055        |      | R 50550  | T 50          | GRADE III (3)     | 4,50   |
|                                       | 3,7065        |      |          | T 60          | GRADE IV (4)      | 4,50   |
|                                       | 3,7164/3,7165 |      |          | TA 6 V        | GRADE V (5)       | 4,50   |
| Ti II Pd                              | 3,7235        |      | R 52400  |               | GRADE VII (7)     | 4,50   |
| Ti I Pd                               | 3,7225        |      | R 52250  |               | GRADE XI (11)     | 4,50   |

| EN-DIN              | W. NR.        | AISI         | ASTM-UNS        | AFNOR            | ® REG. TRADEMARKS | KG/DM3 |
|---------------------|---------------|--------------|-----------------|------------------|-------------------|--------|
| <b>Cr</b>           |               |              |                 |                  |                   |        |
| X 6 Cr 13           | 1,4000        | 410 S        | S 41008         | Z 8 C 12         |                   | 8,00   |
| X 6 CrAl 13         | 1,4002        | 405          | S 40500         | Z 8 CA 12        |                   | 8,00   |
| X 12 CrS 13         | 1,4005        | 416          | S 41600         | Z 13 CF 13       |                   | 8,00   |
| X 12 Cr 13          | 1,4006        | 410          | S 41000         | Z 10 C 13        |                   | 8,00   |
| X 6 Cr 17           | 1,4016        | 430          | S 43000         | Z 8 C 17         |                   | 8,00   |
| X 20 Cr 13          | 1,4021        | 420          | S 42000         | Z 20 C 13        |                   | 8,00   |
| X 15 Car 13         | 1,4024        | 420 S        | J 91201         | Z 15 C 13        |                   | 8,00   |
| X 30 Cr 13          | 1,4028        | 420          | J 91153         | Z 33 C 13        |                   | 8,00   |
| X 46 Cr 13          | 1,4034        |              |                 | Z 44 C 14        |                   | 8,00   |
| X 19 CrNi 17,2      | 1,4057        | 431          | S 43100         | Z 15 CN 16,02    |                   | 8,00   |
| X 14 CrMoS 17       | 1,4104        | 430 F        | S 43020         | Z 13 CF 17       |                   | 8,00   |
| X 90 CrMoV 18       | 1,4112        | 440 B        | S 44003         | Z 90 CDV 18      |                   | 8,00   |
| X 39 CrMo 17,1      | 1,4122        |              |                 | Z 38 CD 16,01    |                   | 8,00   |
| X 105 CrMo 17       | 1,4125        | 440 C        | S 44004/S 44025 | Z 100 CD 17      |                   | 8,00   |
| X 5 CrTi 17         | 1,4510        | 430 Ti       | S 43036/S 43900 | Z 4 CT 17        |                   | 8,00   |
| X 5 CrNiCunB 16,4   | 1,4542/1,4548 | 630          | S 17400         | Z 7 CNU 17,04    | 17,4 PH           | 8,00   |
| X 7 CrNiAl 17,7     | 1,4568        | 631          | S 17700         | Z 9 CNA 17,07    | 17,7 PH           | 8,00   |
| <b>Cr + Ni</b>      |               |              |                 |                  |                   |        |
| X 5 CrNi 18,10      | 1,4301        | 304          | S 30400         | Z 6 CN 18,09     |                   | 8,00   |
| X 5 CrNi 18,12      | 1,4303        | 305          |                 | Z 8 CN 18,12     |                   | 8,00   |
| X 10 CrNiS 18,9     | 1,4305        | 303          | S 30300         | Z 10 CNF 18,09   |                   | 8,00   |
| X 2 CrNi 19,11      | 1,4306        | 304 L        | S 30403         | Z 3 CN 18,10     |                   | 8,00   |
| X 12 CrNi 17,7      | 1,4310        | 301          | S 30100         | Z 11 CN 18,08    |                   | 8,00   |
| X 2 CrNiN 18,10     | 1,4311        | 304 LN       | S 30453         | Z 3 CN 18,10 Az  |                   | 8,00   |
| X 1 CrNi 25,21      | 1,4335        | 310 L        |                 | Z 1 CN 25,20     |                   | 8,00   |
| X 1 CrNi 18,15      | 1,4361        |              | S 30600         | Z 1 CNS 17,15    | URANUS 65/SS25L   | 8,00   |
| X 6 CrNiTi 18,10    | 1,4541        | 321          | S 32100         | Z 6 CNT 18,10    | URANUS S1/ANTINIT | 8,00   |
| X 6 CrNiTi 18,10    | 1,4550        | 347 (H)      | S 34700         | Z 6 CNNb 18,10   |                   | 8,00   |
| <b>Cr + Ni + Mo</b> |               |              |                 |                  |                   |        |
| X 5 CrNiMo 17,12,2  | 1,4401        | 316          | S 31600         | Z 7 CND 17,11,02 |                   | 8,00   |
| X 2 CrNiMo 17,13,2  | 1,4404        | 316 L        | S 31603         | Z 3 CND 18,12,02 |                   | 8,00   |
| X 2 CrNiMoN 17,12,2 | 1,4406        | 316 LN       | S 31653         | Z 3 CND 17,11 Az |                   | 8,00   |
| X 2 CrNiMoN 17,13,3 | 1,4429        | 316 LN (Mo+) | (S 31653)       | Z 3 CND 17,12 Az |                   | 8,00   |
| X 2 CrNiMo 18,14,3  | 1,4435        | 316 L (Mo+)  | S 31609         | Z 3 CND 18,14,03 |                   | 8,00   |
| X 5 CrNiMo 17,13,3  | 1,4436        | 316 (Mo+)    |                 | Z 6 CND 18,12,03 |                   | 8,00   |
| X 2 CrNiMo 18,16,4  | 1,4438        | 317 L        | S 31703         | Z 3 CND 19,15,04 |                   | 8,00   |

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|--------------------------------------|--------|--------------|-----------------|---------------------|--------------------------|--------|
| <b>Cr + Ni + Mo</b>                  |        |              |                 |                     |                          |        |
| X 2 CrNiMoN 17.13.5                  | 1.4439 | 317 LN       | S 31726         | Z 3 CND 18.14.05 Az |                          | 8,00   |
| X 5 CrNiMo 17.13.3                   | 1.4449 |              |                 | Z 6 CND 17.12.04    |                          | 8,00   |
| X 1 CrNiMoN 25.25.2                  | 1.4465 |              | N 08310/S 31050 | Z 2 CND 25.25 Az    |                          | 8,00   |
| X 1 CrNiMoN 25.22.2                  | 1.4466 |              | S 31050         | Z 2 CND 25.22 Az    |                          | 8,00   |
| X 4 NiCrMoCuNb 20.18.2               | 1.4505 |              |                 | Z 5 NCDUNb 20.18    |                          | 8,00   |
| X 5 NiCrMoCuTi 20.18                 | 1.4506 |              |                 | Z 5 NCDUT 20.18     |                          | 8,00   |
| X 1 NiCrMoCuN 25.20.6                | 1.4529 |              | S 31254 (+/-)   | (2545M0) 19.25 Hmo  |                          | 8,00   |
| X 1 NiCrMoCu 25.20.5                 | 1.4539 | 904 L        | N 08904         | Z 2 NCDU 25.20      | URANUS B6/2 RK 65        | 8,00   |
| X 1 NiCrMoCu 31.27.4                 | 1.4563 |              | N 08028         | Z 1 NCDU 31.27.03   | SANICRO 28               | 8,00   |
| X 6 CrNiMoTi 17.12.2                 | 1.4571 | 316 Ti       | S 31635         | Z 6 CNDT 17.12      |                          | 8,00   |
| X 3 CrNiMoTi 25.25                   | 1.4577 |              |                 | Z 5 CNDT 25.25      |                          | 8,00   |
| X 6 CrNiMoNb 17.12.2                 | 1.4580 | 316 Cb/Nb    | S 31640         | Z 6 CNDNb 17.12     |                          | 8,00   |
| X 10 CrNiMoNb 18.12                  | 1.4583 | 318          |                 | Z 6 CNDNb 17.13     |                          | 8,00   |
| <b>DUPLEX &amp; SUPER-DUPLEX</b>     |        |              |                 |                     |                          |        |
| X 2 CrNiN 23.4                       | 1.4362 |              | S 32304/S 39230 | Z 3 CN 23.04 Az     | URANUS 35N/SAF23.04      | 8,00   |
| X 2 CrNiMoN 25.7.4                   | 1.4410 |              | S 31260/S 39226 | Z 3 CND 25.07 Az    | URANUS 47 N              | 8,00   |
| X 3 CrNiMoN 27.5.2                   | 1.4460 | 329          | S 32900         | Z 5 CND 27.05 Az    | SS 44                    | 8,00   |
| X 2 CrNiMoN 22.5.3                   | 1.4462 | (329 LN)/F51 | S 31803/S 39209 | Z 3 CND 22.05 Az    | URANUS 45N/SAF 2205      | 8,00   |
| X 2 CrNiMoCuWN 25.7.4                | 1.4501 | F55          | S 32760         |                     | ZERON 100                | 8,00   |
| X 2 CrNiMoCuN 25.6.3                 | 1.4507 |              | S 32550/S 32750 | Z 3 CNDU 25.07 Az   | URANUS 52 N(+)/SAF 25.07 | 8,00   |
| X 2 CrNiMoNbN 25.18.5.4              | 1.4565 |              | S 24565         |                     | 4565 S/DUPLEX + 6 Mo     | 8,00   |
| <b>C<sup>90</sup> -600° → 1200°C</b> |        |              |                 |                     |                          |        |
| X 10 CrAl 7                          | 1.4713 |              |                 | Z 8 CA 7            | SICROMAL 8               | 8,00   |
| X 10 CrSiAl 13                       | 1.4724 |              |                 | Z 13 C 13           | SICROMAL 9               | 8,00   |
| X 10 CrAl18                          | 1.4742 | 442          | S 44200         | Z 12 CAS 18         | SICROMAL 10              | 8,00   |
| X 18 CrN 28                          | 1.4749 | 446          | S 44600         | Z 18 C 25           | SICROMAL 11/4 C 54       | 8,00   |
| X 10 CrAlSi 24                       | 1.4762 |              |                 | Z 12 CAS 25         | SICROMAL 12              | 8,00   |
| X 20 CrNiSi 25.4                     | 1.4821 | 327          |                 | Z 20 CNS 25.04      |                          | 8,00   |
| X 15 CrNiSi 20.12                    | 1.4828 | 302 B/309    | S 30215/30900   | Z 17 CNS 20.12      |                          | 8,00   |
| X 6 CrNi 22.13                       | 1.4833 | 309 (S)      | S 30908         | Z 15 CN 24.13       |                          | 8,00   |
| X 15 CrNiSi 25.20                    | 1.4841 | 310/314      | S 31000/31400   | Z 15 CNS 25.20      |                          | 8,00   |
| X 12 CrNi 25.21                      | 1.4845 | 310 (S)      | S 31008         | Z 8 CN 25.20        |                          | 8,00   |
| X 12 NiCrSi 35.16                    | 1.4864 | 330          | N 08330         | Z 20 NCS 33.16      | INCOLOY DS               | 8,00   |
| X 10 NiCrAlTi 32.20                  | 1.4876 |              | N 08800         | Z 10 NC 32.21       | INCOLOY 800 (H/HT)       | 8,00   |
| X 12 CrNiTi 18.9                     | 1.4878 | 321 H        | S 32109         | Z 6 CNT 18.12       |                          | 8,00   |
| X 8 CrNiSiN 21.11                    | 1.4893 |              | S 30815         |                     | 253 MA                   | 8,00   |
| X 6 CrNi Mo 17.13                    | 1.4919 | 316 H        | S 31609         | Z 6 CND 17.12       |                          | 8,00   |
| X 6 CrNi 18.11                       | 1.4948 | 304 H        | S 30409         | Z 6 CN 18.11        |                          | 8,00   |
| X 5 NiCrAlTi 31.20                   | 1.4958 |              | N 08810         | Z 10 NC 32.21       | INCOLOY 800 H            | 8,00   |
| X 8 NiCrAlTi 32.21                   | 1.4959 |              | N 08811         |                     | INCOLOY 800 HT           | 8,00   |



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