



## BAR:

- Black bar: Hot rolled round bars, straightened and cut
- Peeled round bar: Hot rolled peeled, straightened and cut product
- Cold drawn round bars: Hot rolled and cold drawn product

## 1. STAINLESS STEEL TYPES – EQUIVALENCES

|      | Austenitics |        |        |        |        |        |        |        |        |        |        |        |        |
|------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| ACX  | 109         | 239    | 219    | 229    | 76     | 402    | 309    | 339    | 359    | 369    | 399    | 297    | 289    |
| EN   | 1.4301      | 1.4307 | 1.4307 | 1.4307 | 1.4305 | 1.4845 | 1.4401 | 1.4404 | 1.4432 | 1.4435 | 1.4571 | 1.4541 | 1.4567 |
| AISI | 304         | 304L   | -      | 304L   | 303    | 310S   | 316    | 316L   | 316L   | 316L   | -      | -      | 304Cu  |

|      | Duplex    |           |      | Ferritics |        |
|------|-----------|-----------|------|-----------|--------|
| ACX  | 917       | 915       | ACX  | 529       | 519    |
| EN   | 1.4462    | 1.4362    | EN   | 1.4104    | 1.4105 |
| AISI | UNS 31803 | UNS 32304 | AISI | -         | 430F   |

Data subject to possible changes in accordance with international regulations and work practices. Other steel types on request.

## 2. DIMENSIONS

|                   |                                     |
|-------------------|-------------------------------------|
| Minimum diameter: | 2 mm                                |
| Maximum diameter: | 85,72 / 127 mm, according to finish |

| Ferritics         |
|-------------------|
| From 4,5 to 40 mm |

| Duplex          |
|-----------------|
| From 5 to 52 mm |

Note: The specifications of some of the above-mentioned products could be changed depending on the steel types and finishes.

## 3. DELIVERY CONDITIONS

| Bar | 1a. cold straightened and polished          |
|-----|---------------------------------------------|
|     | 1b. cold straightened and centerless ground |
|     | 2a. smooth-turned                           |
|     | 2b. smooth-turned and polished              |
|     | 2c. centerless ground                       |



4. ADDITIONAL INFORMATION

Bars / Small diameter bars

TOLERANCES

| Diameter mm    | Finish                               |                                    |                                         |                                  |
|----------------|--------------------------------------|------------------------------------|-----------------------------------------|----------------------------------|
|                | Smooth-turned                        | Smooth-turned and polished         | Cold drawn                              | Centerless ground and polished   |
| 2,00 – 30,00   | -                                    | -                                  | h9 / h10 / h11<br>ASTM - A - 484Table 7 | h8 / h9<br>ASTM - A - 484Table 7 |
| 22,51 – 30,00  | DIN1013 / h11<br>ASTM A - 484Table 3 | h11<br>ASTM - A - 484Table 3       | -                                       | h8 / h9<br>ASTM - A - 484Table 7 |
| 30,01 – 127,00 | DIN1013 / h11<br>ASTM A - 484Table 3 | h10 / h11<br>ASTM - A - 484Table 3 | -                                       | h8 / h9<br>ASTM - A - 484Table 7 |

Other specification on request

| USES            |
|-----------------|
| Machining       |
| Heading quality |
| General Purpose |