

RODINOX® SIZE RANGE

available in coils - range from 6 to 16 mm - and in bars - range from 6 up to 32 mm (40mm only for 1.4362)

RODINOX® GRADE

to meet the various needs, Rodinox® is manufactured in the following types:

| GRADE | TYPE | REFERENCE STEEL | |
|--------------------|----------------------------|------------------|-----------------|
| RODINOX® R1 | austenitic in Cr - Ni | 304L / 304LN | 1.4307 / 1.4315 |
| RODINOX® R2 | austenitic in Cr - Ni - Mo | 316L / 316LN | 1.4404 / 1.4406 |
| RODINOX® R3 | austenitic in Cr - Ni - Mo | 316HMo / 316LNMo | 1.4436 / 1.4429 |
| RODINOX® R4 | duplex | 2304 | 1.4362 |
| RODINOX® R5 | duplex | 2205 | 1.4462 |

CHEMICAL COMPOSITION

the indicative chemical composition of Rodinox® is as follows:

| GRADE | C | Mn | Si | S | P | Cr | Ni | Mo | N | Cu |
|--------------------|------|-----|-----|--------|------|------|------|-----|------|------|
| RODINOX® R1 | 0,02 | 1,6 | 0,5 | <0,010 | 0,04 | 18,5 | 8,1 | - | 0,20 | - |
| RODINOX® R2 | 0,02 | 1,6 | 0,5 | <0,010 | 0,04 | 18,0 | 10,1 | 2,1 | 0,20 | - |
| RODINOX® R3 | 0,02 | 1,6 | 0,5 | <0,010 | 0,04 | 17,1 | 11,1 | 2,6 | 0,20 | - |
| RODINOX® R4 | 0,02 | 0,8 | 0,5 | <0,010 | 0,04 | 23,2 | 4,1 | 0,2 | 0,10 | 0,30 |
| RODINOX® R5 | 0,02 | 0,8 | 0,5 | <0,010 | 0,04 | 22,8 | 5,2 | 3,1 | 0,20 | - |

RODINOX® STANDARD REFERENCE

can be produced in accordance with the following standards:

| GRADE | Decreto Ministeriale 14.01.2008 "Norme Tecniche per le Costruzioni" classe B450C | | BS 6744: 2001 + A2: 2009U | |
|--------------------|--|----------------|---------------------------|----------------|
| | Rolls 6 - 14 mm | Bars 6 - 32 mm | Coils 6 - 16 mm | Bars 6 - 32 mm |
| RODINOX® R1 | Rolls 6 - 14 mm | Bars 6 - 32 mm | Coils 6 - 16 mm | Bars 6 - 32 mm |
| RODINOX® R2 | Rolls 6 - 14 mm | Bars 6 - 32 mm | - | - |
| RODINOX® R3 | Rolls 6 - 14 mm | Bars 6 - 32 mm | Coils 6 - 16 mm | Bars 6 - 32 mm |
| RODINOX® R4 | Bars 6 - 32 mm | | Coils 6 - 16 mm | Bars 6 - 40 mm |
| RODINOX® R5 | - | | 6 - 32 mm | |

RODINOX® WEIGHT

mass per linear meter as a function of the type of steel (units kg/m):

| GRADE | ∅ nom. mm | 05 | 06 | 08 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 25 | 26 | 32 | 40 |
|---------------------|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | section mm ² | 19,6 | 28,3 | 50,3 | 78,6 | 113,1 | 154,0 | 201,1 | 254,5 | 314,2 | 380,2 | 452,4 | 490,9 | 531,0 | 804,4 | 1256,8 |
| RODINOX® R1 | | 0,155 | 0,223 | 0,397 | 0,621 | 0,894 | 1,216 | 1,589 | 2,011 | 2,482 | 3,003 | 3,574 | 3,878 | 4,195 | 6,354 | 9,929 |
| RODINOX® R2 | | 0,157 | 0,226 | 0,402 | 0,628 | 0,905 | 1,232 | 1,609 | 2,036 | 2,514 | 3,041 | 3,620 | 3,928 | 4,248 | 6,435 | 10,054 |
| RODINOX® R3 | | 0,157 | 0,226 | 0,402 | 0,628 | 0,905 | 1,232 | 1,609 | 2,036 | 2,514 | 3,041 | 3,620 | 3,928 | 4,248 | 6,435 | 10,054 |
| RODINOX® R4* | | 0,153 | 0,221 | 0,392 | 0,613 | 0,882 | 1,201 | 1,568 | 1,985 | 2,451 | 2,965 | 3,529 | 3,829 | 4,142 | 6,274 | 9,803 |
| RODINOX® R5* | | 0,153 | 0,221 | 0,392 | 0,613 | 0,882 | 1,201 | 1,568 | 1,985 | 2,451 | 2,965 | 3,529 | 3,829 | 4,142 | 6,274 | 9,803 |

* conformi alle normative BS 6744