

1. DESCRIPTION

Ribbed reinforcing steel bars according to D.M. 17/01/2018 grade B450C, obtained by Thermex process.

2. CHEMICAL COMPOSITION OF HEAT

	Limits	C %	P %	S %	Cu %	N %	Ceq %
D. M. 17/01/2018	max	0.22	0.050	0.050	0.80	0.012	0.50

Note: C max 0.25% is permitted if Ceq max is 0.48%.

3. MECHANICAL PROPERTIES AND DIMENSION TOLERANCES

Standard	Steel grade	Diameter range mm	Weight tol. %	Re min MPa	Re max MPa	Rm min MPa	Rm/Re min	Rm/Re max	Agt min %	Bend test
D.M. 2018	B450C	8 ÷ 32	*	450c	563c	540c	1.15c	1.35c	7.5c	**

NOTE:

c - characteristic values.

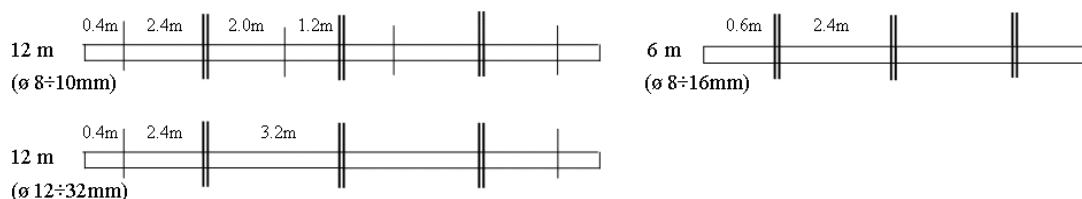
Length tolerance: 0/+100 mm

* $\pm 4.5\%$ on nominal diameters above 8mm; $\pm 6\%$ on nominal diameters 8mm and below.

** D.M. bending test: D mandrel = $k \cdot d$; bend $\alpha = 90^\circ$ and bend back 20° after ageing, $k=4$ for $d \leq 10\text{mm}$, $k=5$ for $d = 12 \div 16\text{mm}$, $k=8$ for $d = 18 \div 25\text{mm}$, $k=10$ for $d \geq 26\text{mm}$

4. STANDARD PACKAGING

In bundles with standard length 12m (14m on demand), max weight 2.5 t, or 6m and max weight 1.6 t, tied with wire rod diam. 7mm. Short bars for a maximum amount of 2% in weight and minimum length 6m.



5. STANDARD IDENTIFICATION

Each bundle with label reporting:

PITTINI
REBAR
HEAT N°
WEIGHT t
DIAMETER mm
LENGTH m
DATE
REFERENCE STANDARDS
PRODUCT CERTIFICATION LOGOS

6. STANDARD CERTIFICATION

According EN 10204 3.1.

7. APPROVALS

Servizio Tecnico Centrale.

8. IDENTIFICATION MARK

Mark 4-7

