PITTINI

SGQ
FERRIERE NORD

1. DESCRIPTION.

High ductility lattice girder type DOPPIA LASTRA HD made from hot rolled steel wire according to D.M. 17.01.2018 steel grade B450C for Italian market.

2. CHEMICAL COMPOSITION ON PRODUCT (%).

	Limits	C %	P %	S %	Cu %	N %	C_{eq} %
PITTINI	max	0.24	0.055	0.055	0.85	0.014	0.52
DM 17/01/18	max	0.24	0.055	0.055	0.85	0.014	0.52

3. MECHANICAL PROPERTIES.

Standard	Steel grade	∅ (mm)	Weight Tol. %	f_y min MPa	f_y max MPa	f_t min MPa	f_t / f_y min	f_t / f_y max	Agt min %	Rt min %
PITTINI	B450C	6 ÷ 8	Note	450c	563c	540c	1.15c	1.35c	7,5c	25
DM 17/01/18	B450C	6 ÷ 16	Note	450c	563c	540c	1.15c	1.35c	7,5c	25

NOTE: C - characteristic values ; test after artificial ageing to 100°C for 1h.
for Ø ≤ 8 mm the permissible deviation is ± 6 %,
for Ø > 8 mm the permissible deviation is ± 4,5 %.

Diameter ratio $Ø_{min}/Ø_{max} \geq 0.60$

4. STANDARD PACKAGING.

Length: 12 m
Number of pieces for bundle: 18 – 30; number of stirrups for bundle: 2

5. STANDARD IDENTIFICATION.

Each bundle with label reporting:

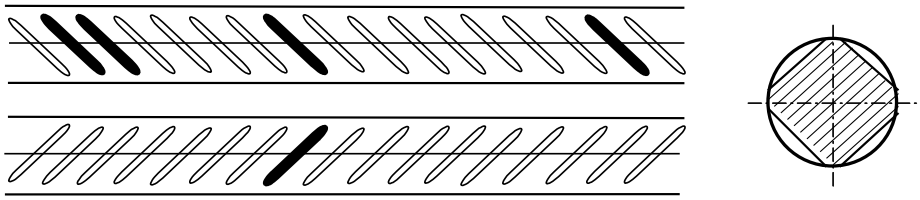
FERRIERE NORD S.p.A.
I - 33010 OSOPPO (UD) ITALIA
Production plant
D.M. 17/01/18 B450C
TRALICCIO PITTINI HD
Type/length
Lot number

6. STANDARD CERTIFICATION.

Document according to EN 10204 3.1.
Product qualified by Ministero Infrastrutture e Trasporti.

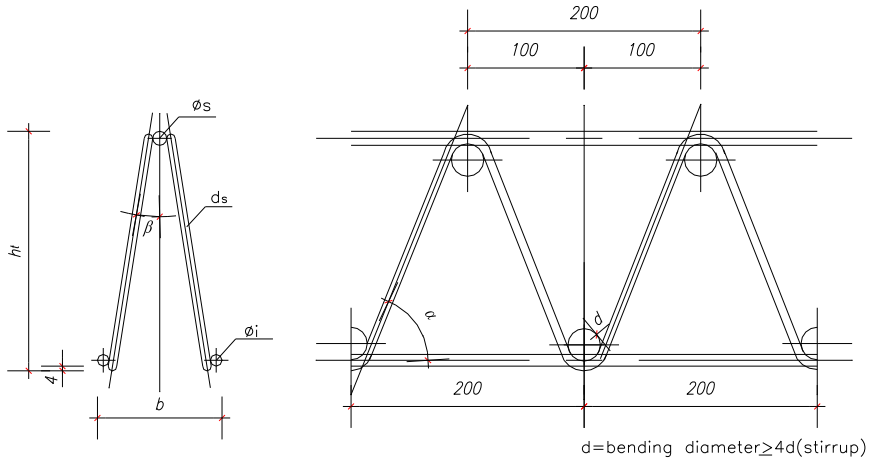
7. IDENTIFICATION MARK.

Mark 4-7



Ferriere Nord S.p.A.
Zona Industriale Rivoli
33010 Osoppo (UD)
Tel.: +39 0432 062811
Fax.: +39 0432 062822
www.pittini.it

8. GIRDER DIMENSIONS



List of DOPPIA LASTRA HD standard Lattice Girders

DOPPIA LASTRA	L (m)	Øi (mm)	Øs (mm)	ds (mm)	ht (cm)	b (mm)
6/8/6 h=22.5 mm	12	6	8	6	22.5	108
6/8/6 h=25 mm	12	6	8	6	25	108
6/8/6 h=27 mm	12	6	8	6	27	108
8/8/7 h=32 mm	12	8	8	7	32	110
8/8/7 h=35 mm	12	8	8	7	35	110

9. NON STANDARD LATTICE GIRDERS

Non standard lattice girders can be provided on demand and after feasibility evaluation in accordance with the following configurations:

- Length L: from 3m up to 12m in multiple length of 0.2m (for lattice girders with h ≤ 27cm.
- Multiple lengths of 0.10m (cut on the upper welded joint).
- Height between 165 and 360mm, with upper chord diameter 8 mm, lower chord diameter between 6 and 8 mm, stirrup diameter between 6 and 7 mm
- Base b as a function of the height of the lattice girder: for h 165÷285mm b = 108 mm, for h 300÷350mm b = 110 mm

10. DIMENSIONAL TOLERANCES

The following tolerances are valid for both standard and non standard lattice girders:

Height: +1/-3 mm;
Width b: ±5mm;
Length L: +5/-40 mm.
Stirrup pitch: ± 2,5 mm
Upper overhang: max 4 mm
Lower overhang: max 4 mm
Maximum rising from the flat of lower chords (stirrups excluded):

- 10mm if L ≤ 8m
- 15mm if L > 8m

Sabre: max 15mm

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