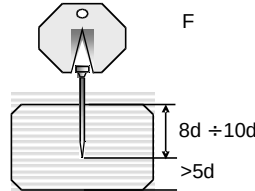


RESISTANCE TO EXTRACTION OF FASTENING ELEMENTS

References		System design
Test report n°	51/20F	
Reference standard	UNI EN ISO 12777-2:2001 pt.o 5.2	
Test date	05/10/2020	
Test tool	Electronic dynamometer (risoluzione 1N)	
Tool speed	25 mm/min	
Average test temperature (°C)	21,7	
Average test humidity (% U.R.)	54,2	
Used samples description		
Metal staple with divergent points Model N° 3, Milled Nominal dimensions: 3,60/4,10 x 17,60 x 50 (L) mm.		
Customer		
Company	Taraschi Andrea	
Place	46010 - Mariana Mantovana (MN)	

Test data

Staple type	Milled
Leg wire dimension (mm)	4,10 x 3,60
Length (mm)	50
Crown wide (mm)	17,6

Wood type	pine wood joists
Height (mm)	86
Wide (mm)	86
Length (mm)	815
Weigth (kg)	2,5
Density (kg/dm3)	0,41

Wood moisture at assembly (%p/p)	-
Wood moisture at test (%p/p)	12,5

Staple penetration (mm)	33
Staples distance (mm)	36

Time elapsed between mounting and testing	>150 hours
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Crown angle	0°
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Crown angle	90°
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Test n°	Maximum force (daN)
1	118,4
2	131,7
3	104,2
4	126,3
5	125,6
6	126,4
7	139,3
8	127,1

test n°	Maximum force (daN)
9	82,5
10	117,3
11	124,7
12	113,4
13	103,3
14	117,4
15	85,6
16	95,6

Force 0° (daN)	124,9
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Force 90° (daN)	105,0
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Mean max force (daN)	114,9
Expanded Uncertainty ± [daN]	8,8

NOTE:
The assembly was carried out by the customer according to the standard UNI EN ISO 12777-2 : 2001