

DECLARATION OF PERFORMANCES

N° TOLE 01C EN



LR ETANCO SAS

Parc les Erables – Bât 1 – 66 route de Sartrouville – BP 49 – 78231 LE PECQ Cedex – France

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1. Unique identification code of the product-type

GOLDOVIS 6 – 6.3 x L
DRILLNOX 3.5 – 5.5 x L
DRILLNOX 6 – 5.5 x L
DRILLNOX 12 – 5.5 x L
DRILLNOX WOOD – 6.3 x L
FASTO-INOX Type A 6.5 x L

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11 (4) :

SELF DRILLING STEEL SCREWS, HEXAGON HEAD + INTEGRATED WASHER Ø 15 mm
SELF DRILLING STAINLESS STEEL SCREWS, HEXAGON HEAD + SEALING WASHER Ø ≥ 16 mm
SELF TAPPING STAINLESS STEEL SCREWS, HEXAGON HEAD + SEALING WASHER Ø ≥ 16 mm

3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specifications, as foreseen by the manufacturer :

FASTENING SCREWS FOR METAL MEMBERS AND SHEETING

4. Name, registered trade name or registered trade mark and contract address of the manufacturer as required pursuant to article 11(5) :

LR ETANCO sas – Parc des Erables – Bât.I – 66 route de Sartrouville – BP 49 – 78 231 LE PECQ Cedex – France

5. Where applicable name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2) :

NOT RELEVANT

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V :

System 2+

7. In case of the declaration of performance concerning a construction product covered by a harmonized standard :

NOT RELEVANT

8. In case of the declaration of performance concerning a construction product for which European Technical Assessment has been issued :

DEUTSCHES INSTITUT FÜR BAUTECHNIK (DIBT)
89/106/EEC, modifié 93/68/EEC – EC N°1882/2003

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9. Declared Performances :

Référentiel : ETA -10/0181 (EOTA)

GOLDOVIS 6 - 6,3 X L									
			Component II (mm)						
daN	Thickness		3,00		4,00		5,00		
	Torque $M_{y,rk}$		5 N.m						
Tension	Component I (mm)	0,63	330	abcd	330	abcd	330	ac	
		0,75	400	abcd	400	ac	400	ac	
		0,88	470	ac	470	ac	470	ac	
		1,00	530	ac	530	ac	530	ac	
		1,13	610	-	610	-	610	-	
		1,25	650	-	650	-	650	-	
		1,50	750	-	750	-	-	-	
		1,75	750	-	750	-	-	-	
		2,00	750	-	750	-	-	-	
Shear	Component I (mm)	0,63	210	abcd	210	abcd	210	ac	
		0,75	290	abcd	290	ac	290	ac	
		0,88	370	ac	370	ac	370	ac	
		1,00	450	ac	450	ac	450	ac	
		1,13	460	-	460	-	460	-	
		1,25	460	-	460	-	-	-	
		1,50	460	-	460	-	-	-	
		1,75	460	-	460	-	-	-	
		2,00	460	-	460	-	-	-	

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DRILLNOX 3,5 - 5,5 A4 X L + Rd 16 A2								
			Component II (mm)					
daN	Thickness		1,50		2,00		2,50	
	Torque $M_{y,rk}$		2 N.m					
Tension	Component I (mm)	0,63	200 ^a	ac	200 ^a	ac	200 ^a	ac
		0,75	248 ^a	ac	248 ^a	ac	286 ^a	ac
		0,88	372 ^b	-	314 ^b	-	332 ^b	-
		1,00	295	-	379	-	379	-
		1,13	329	-	391	-	411	-
		1,25	360	-	402	-	442	-
		1,50	424	-	424	-	505	-
		1,75	-	-	-	-	-	-
		2,00	-	-	-	-	-	-
Shear	Component I (mm)	0,63	179	ac	233 ^a	ac	233 ^a	ac
		0,75	179	ac	233 ^a	ac	233 ^a	ac
		0,88	179	-	282	-	356 ^b	-
		1,00	179	-	282	-	377	-
		1,13	179	-	282	-	377	-
		1,25	179	-	282	-	377	-
		1,50	179	-	282	-	377	-
		1,75	-	-	-	-	-	-
		2,00	-	-	-	-	-	-

Index a : If component I is made of S320GD or S350GD the value may be increased by 8%

Index b : If component II is made of S320GD or S350GD the value may be increased by 4%

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DRILLNOX 6 - 5,5 A4 X L + Rd 16 A2									
			Component II (mm)						
daN	Thickness		2,00	2,50	3,00	4,00	5,00	6,00	
	Torque $M_{y,rk}$		2 N.m						
Tension	Component I (mm)	0,63	212 ^a ac	212 ^a ac	212 ^a ac	212 ^a ac	212 ^a ac	212 ^a ac	212 ^a ac
		0,75	212 ^a ac	212 ^a ac	212 ^a ac	249 ^a ac	249 ^a ac	249 ^a ac	249 ^a ac
		0,88	212 ^a -	212 ^a -	212 ^a -	298 ^b -	298 ^b -	298 ^b -	298 ^b a
		1,00	347 -	347 -	347 -	347 -	347 -	347 -	347 a
		1,13	378 -	392 -	415 -	415 -	415 -	415 -	415 a
		1,25	408 -	436 -	483 -	483 -	483 -	483 -	486 a
		1,50	468 -	525 -	582 -	582 -	600 -	618 -	618 a
		1,75	- -	- -	- -	- -	- -	- -	- -
		2,00	- -	- -	- -	- -	- -	- -	- -
Shear	Component I (mm)	0,63	179 ^a ac	179 ^a ac	179 ^a ac	179 ^a ac	179 ^a ac	179 ^a ac	179 ^a ac
		0,75	227 ac	303 ^a ac	303 ^a ac	303 ^a ac	303 ^a ac	303 ^a ac	303 ^a ac
		0,88	227 -	331 -	371 ^a -	371 ^a -	371 ^a -	371 ^a -	371 ^a a
		1,00	227 -	331 -	434 -	438 ^a -	438 ^a -	438 ^a -	438 ^a a
		1,13	227 -	331 -	434 -	508 -	508 -	508 -	508 a
		1,25	227 -	331 -	434 -	570 -	579 -	579 -	579 a
		1,50	227 -	331 -	434 -	570 -	616 -	616 -	616 a
		1,75	- -	- -	- -	- -	- -	- -	- -
		2,00	- -	- -	- -	- -	- -	- -	- -

Index a : If component I is made of S320GD or S350GD the value may be increased by 8%

Index b : If component II is made of S320GD or S350GD the value may be increased by 4%

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DRILLNOX 12 - 5,5 A4 X L + Rd 16 A2														
			Component II (mm)											
daN	Thickness		4,00	5,00		6,00		8,00	10,00	12,00				
	Torque $M_{y,rk}$		2 N.m											
Tension	Component I (mm)	0,63	244 ^a	ac	244 ^a	ac	244 ^a	ac	244 ^a	ac	244 ^a	ac		
		0,75	292 ^a	ac	292 ^a	ac	292 ^a	ac	292 ^a	ac	292 ^a	ac		
		0,88	342 ^a	ac	342 ^a	ac	342 ^a	ac	342 ^a	ac	342 ^a	a		
		1,00	392 ^a	ac	392 ^a	ac	392 ^a	ac	392 ^a	ac	392 ^a	a		
		1,13	447 ^a	ac	447 ^a	ac	450	ac	455	ac	457	ac	458	a
		1,25	502	ac	502	ac	507	ac	518	ac	521	ac	524	a
		1,50	611	ac	611	ac	622	ac	644	ac	650	ac	656	a
		1,75	611	ac	611	ac	622	ac	644	ac	650	ac	-	-
		2,00	611	ac	611	ac	622	ac	644	ac	650	a	-	-
Shear	Component I (mm)	0,63	212 ^a	ac	212 ^a	ac	212 ^a	ac	212 ^a	ac	212 ^a	ac		
		0,75	304 ^a	ac	304 ^a	ac	304 ^a	ac	304 ^a	ac	304 ^a	ac		
		0,88	348 ^a	ac	348 ^a	ac	348 ^a	ac	348 ^a	ac	348 ^a	a		
		1,00	444	ac	444	ac	444	ac	444	ac	444	ac	444	a
		1,13	445	ac	507	ac	527	ac	527	ac	527	ac	527	a
		1,25	445	ac	507	ac	568	ac	610	ac	610	ac	610	a
		1,50	445	ac	507	ac	568	ac	650	ac	754	ac	754	a
		1,75	445	ac	507	ac	568	ac	650	ac	754	ac	-	-
		2,00	445	ac	507	ac	568	ac	650	ac	754	a	-	-

Index a : If component I is made of S320GD or S350GD the value may be increased by 8%

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DRILLNOX WOOD - 6,3 A4 X L + Rd 16 A2															
			Component II (mm)												
daN	Thickness		0,63	0,75	0,88	1,00	1,13	1,25							
	Torque _{My,rk}		2 N.m												
Tension	Component I (mm)	0,63	166 ^a	-	166 ^a	-	202 ^a	-	237 ^a	ac	244 ^a	ac	251 ^a	ac	217
		0,75	166 ^a	-	239 ^a	-	239 ^a	-	239 ^a	-	269 ^a	-	297 ^a	-	217
		0,88	166 ^a	-	247 ^a	-	247 ^a	-	247 ^a	-	297 ^b	-	346	-	217
		1,00	166 ^a	-	256 ^a	-	256 ^a	-	256 ^a	-	325 ^b	-	393	-	217
		1,13	166 ^a	-	264 ^a	-	264 ^a	-	264 ^a	-	336 ^b	-	407	-	228
		1,25	166 ^a	-	272 ^a	-	272 ^a	-	272 ^a	-	346 ^b	-	420	-	228
		1,50	-	-	-	-	-	-	-	-	-	-	-	-	
		1,75	-	-	-	-	-	-	-	-	-	-	-	-	
		2,00	-	-	-	-	-	-	-	-	-	-	-	-	
Shear	Component I (mm)	0,63	82	-	114	-	151	-	187	ac	212	ac	212	ac	212 ^a
		0,75	82	-	114	-	151	-	187	-	226	-	265	-	304 ^a
		0,88	82	-	114	-	151	-	187	-	226	-	265	-	363 ^a
		1,00	82	-	114	-	151	-	187	-	226	-	265	-	422 ^a
		1,13	82	-	114	-	151	-	187	-	226	-	265	-	519
		1,25	82	-	114	-	151	-	187	-	226	-	265	-	615
		1,50	-	-	-	-	-	-	-	-	-	-	-	-	
		1,75	-	-	-	-	-	-	-	-	-	-	-	-	
		2,00	-	-	-	-	-	-	-	-	-	-	-	-	
Bearing résistance of component I															
Pull-through resistance of component I															

The value listed above are depending of the screw thread length L_{ef} and are available for $K_{mod}=0,9$ and a timber grade C24 ($\rho_k=350\text{kg/m}^3$)

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FASTO-INOX A2 Type A 6,5 x L + Rd 16 A2																			
			Component II (mm)																
daN	Thickness		0,63	0,75	0,88	1,00	1,13	1,25	1,5	2,00									
	Predrill		Ø 3,5	Ø 4	Ø 4,5					Ø 5									
	Torque My,rk		3 N.m					5 N.m											
Tension	Component I (mm)	0,63	130	-	150	-	180	-	200	ac	230	ac	250	ac	290	ac	290	ac	Bearing résistance of component I
		0,75	140	-	160	-	190	-	220	ac	250	ac	260	ac	310	ac	310	ac	
		0,88	150	-	170	-	200	-	230	-	260		280	ac	320	ac	320	ac	
		1,00	150	-	180	-	210	-	250	-	280	-	310	-	360		360		
		1,25	160	-	190	-	230	-	270	-	300	-	330	-	400		400		
		1,50	160	-	190	-	240	-	280	-	320	-	350	-	400		400		
		1,75	160	-	190	-	240	-	280	-	320	-	350	-	400		400		
		2,00	160	-	190	-	240	-	280	-	320	-	350	-	400		400		
Shear	Component I (mm)	0,63	90	-	110	-	130	-	140	ac	160	ac	180	ac	210	ac	210	ac	Pull-through resistance of component I
		0,75	90	-	110	-	130	-	140	ac	160	ac	180	ac	210	ac	210	ac	
		0,88	90	-	110	-	130	-	140	-	160	-	180	ac	210	ac	210	ac	
		1,00	90	-	110	-	130	-	140	-	160	-	180	-	220	-	220	-	
		1,25	100	-	120	-	140	-	150	-	170	-	190	-	230	-	230	-	
		1,50	100	-	120	-	140	-	150	-	170	-	190	-	230	-	230	-	
		1,75	100	-	120	-	140	-	150	-	170	-	190	-	230	-	230	-	
		2,00	100	-	120	-	140	-	150	-	170	-	190	-	230	-	230	-	

The value listed above are depending of the screw thread lenght L_{ef} and are available for $K_{mod}=0,9$ and a timber grade C24 ($p_k=350\text{kg/m}^3$)

10. The performance of the product identified in points 1 and 2 is in conformity with declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and behalf of the manufacturer by:
In Le Pecq, 2019 July. 31

Technical Director

Philippe TOLLERET

Quality Manager

Frédéric LUCAS