

DECLARATION OF PERFORMANCES

N° TOLE 01B 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 3

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)
589/106/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	2,00	2,50	3,00	4,00	5,00	6,00	7,00	8,00	
	Torque $M_{y,Rk}$	-			5 N.m					
Component II	Component I	0,63	-	-	330 abcd	330 abcd	330 abcd	-	-	-
	(mm)	0,75	-	-	400 abcd	400 abcd	400 abcd	-	-	-
		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	0,63	-	-	210 abcd	210 abcd	210 abcd	-	-	-
	(mm)	0,75	-	-	290 abcd	290 abcd	290 abcd	-	-	-
		0,88	-	-	370 ac	370 ac	370 ac	-	-	-
		1,00	-	-	450 ac	450 ac	450 ac	-	-	-
		1,13	-	-	460	460	461	-	-	-
		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 + SW 16 A2										
			Component II (mm)							
daN	Thickness		1,50	2,00	2,50	3,00	4,00	5,00	6,00	7,00
	Torque $M_{y,Rk}$		2 N.m							
Component II	Component I (mm)	0,63	200 ^a ac	200 ^a ac	200 ^a ac	200 ^a ac	-	-	-	-
		0,75	248 ^a ac	248 ^a ac	286 ^a ac	323 ^a ac	-	-	-	-
		0,88	272 ^b	314 ^b	332 ^b	351 ^b	-	-	-	-
		1,00	295	379	379	379	-	-	-	-
		1,13	329	391	411	431	-	-	-	-
		1,25	360	402	442	482	-	-	-	-
		1,50	424	424	505	585	-	-	-	-
		1,75	-	-	-	-	-	-	-	-
		2,00	-	-	-	-	-	-	-	-
Shear	Component I (mm)	0,63	179 ac	233 ^a ac	233 ^a ac	233 ^a ac	-	-	-	-
		0,75	179 ac	233 ^a ac	233 ^a ac	233 ^a ac	-	-	-	-
		0,88	179	282	356 ^b	356 ^b	-	-	-	-
		1,00	179	282	377	471	-	-	-	-
		1,13	179	282	377	471	-	-	-	-
		1,25	179	282	377	471	-	-	-	-
		1,50	179	282	377	471	-	-	-	-
		1,75	179	-	-	-	-	-	-	-
		2,00	179	-	-	-	-	-	-	-

Indexe a : If component is made of S320GD ou S350GD the value may be increased by 8,0 %.

Indexe b : If component is made of S320GD ou S350GD the value may be increased by 4,0 %.

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DRILLNOX 6 - 5,5 x L A4 + SW 16 A2											
			Component II (mm)								
daN	Thickness		2,00	2,50	3,00	4,00	5,00	6,00	7,00	8,00	
	Torque $M_{y,Rk}$		2 N.m							-	
Component II	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	600	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	-	-	-	-	-	-	-	-	-

Indexe a : If component is made of S320GD ou S350GD the value may be increased by 8,0 %.

Indexe b : If component is made of S320GD ou S350GD the value may be increased by 4,0 %.

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DRILLNOX 12 - 5,5 x L A4 + SW 16 A2											
		Component II (mm)									
daN	Thickness		4,00	5,00	6,00	8,00	10,00	12,00	13,00	14,00	
	Torque $M_{y,Rk}$		2 N.m						-		
Component II	Component I (mm)	0,63	244 ^a ac	244 ^a ac	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	292 ^a ac	292 ^a ac	-	-
		0,88	342 ^a ac	342 ^a ac	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 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	212 ^a ac	212 ^a ac	-	-
		0,75	304 ^a ac	304 ^a ac	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 ac	348 ^a a	-	-	-
		1,00	444 ac	444 ac	444 ac	444 ac	444 ac	444 ^a 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 ac	-	-	-	-

Indexe a : If component is made of S320GD ou S350GD the value may be increased by 8,0 %.

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DRILLNOX WOOD - 6,3 x L A4 + SW 16 A2												
		Component II (mm)										
daN	Thickness	0,63	0,75	0,88	1,00	1,13	1,25	1,50				
	Torque $M_{y,Rk}$	2 N.m										
Component II	Component I	0,63	166 ^a	166 ^a	202 ^a	237 ^a ac	244 ^a ac	251 ^a ac	-	217	Bearing resistance of component I	
	(mm)	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	-	238		
		1,50	-	-	-	-	-	-	-	-		-
		1,75	-	-	-	-	-	-	-	-		-
		2,00	-	-	-	-	-	-	-	-		-
Shear	Component I	0,63	82	114	151	187 ac	212 ^a ac	212 ^a ac	-	212 ^a	Pull-through resistance of component I	
	(mm)	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	-	-	-	-	-	-	-	-		-

The values listed above in dependence on the screw -in length lef are valid for $K_{mod} = 0,90$ and timber strength grade C24 ($\rho_a = 350 \text{ kg/m}^3$).

Indexe a : If component is made of S320GD ou S350GD the value may be increased by 8,0 %.

Indexe b : If component is made of S320GD ou S350GD the value may be increased by 4,0 %.

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FASTO-INOX A2 Type A 6,5 x L + SW 16 A2												
		Component II (mm)										
daN	Thickness	0,63	0,75	0,88	1,00	1,13	1,25	1,50	2,00			
	Predrill	Ø 3,5	Ø 4,0	Ø 4,5				Ø 5,0				
	Torque M _{y,Rk}	3 N.m					5 N.m					
Pull out	Component I (mm)	0,63	130	150	180	200 ac	230 ac	250 ac	290 ac	290 ac	290	Bearing resistance of component I
		0,75	140	160	190	220 ac	250 ac	270 ac	310 ac	310 ac	310	
		0,88	150	170	200	230	260	280 ac	320 ac	320 ac	320	
		1,00	150	180	210	250	280	310	360	360	360	
		1,13	160	180	220	260	290	320	380	380	380	
		1,25	160	190	230	270	300	330	400	400	400	
		1,50	160	190	240	280	320	350	400	400	400	
		1,75	160	190	240	280	320	350	400	400	400	
		2,00	160	190	240	280	320	350	400	400	400	
Shear	Component I (mm)	0,63	90	110	130	140 ac	160 ac	180 ac	210 ac	210 ac	210	Pull-through resistance of component I
		0,75	90	110	130	140 ac	160 ac	180 ac	210 ac	210 ac	210	
		0,88	90	110	130	140	160	180 ac	210 ac	210 ac	210	
		1,00	90	110	130	140	160	180	220	220	220	
		1,13	100	120	140	150	170	190	230	230	230	
		1,25	100	120	140	150	170	190	230	230	230	
		1,50	100	120	140	150	170	190	230	230	230	
		1,75	100	120	140	150	170	190	230	230	230	
		2,00	100	120	140	150	170	190	230	230	230	

The values listed above in dependence on the screw -in length lef are valid for Kmod = 0,90 and timber strength grade C24 (pa = 350 kg/m3).

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.

<p>Signed for and behalf of the manufacturer by: In Le Pecq, 2015 Sept. 01</p>	<p>Technical Director Philippe TOLLERET</p>	<p>Quality Director Didier GUILLAUME</p>
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