

# Declaration of Performance

## Nr. LE-003

1. Unique identification code of the product type
 

**DRIBO® Chipboard screw (stainless steel A2/A4)**  
**SPARIBO® Chipboard screw (stainless steel A2/A4)**  
**Wood facade screw (stainless steel A2/A4)**  
**HBS Wafer head wood construction screw (stainless steel A2/A4)**  
**TKS Wafer head screw (stainless steel A2/A4)**  
**Distance set, wood (stainless steel A2/A4)**  
**TS Decking screw (stainless steel A2/A4)**  
**FPS Facade panel screw (stainless steel A2/A4)**  
**RETINOX® 4 plus Chipboard screw**  
**RETINOX® plus wood screw HCR 1.4529 / 1.4539**

**Article number see Annex 1**
  
2. Intended use
 

**Self-tapping screws for use in timber structures**
  
3. Manufacturer (corresponding Art. 11, pas. 5)
 

**REISSER-Schraubentechnik GmbH**  
**Fritz-Müller-Str. 10**  
**74653 Ingelfingen-Criesbach**  
**Deutschland**
  
4. Not relevant
  
5. System of assessment and verification of constancy of performance of the construction product as set out in Annex 2 (in accordance with 97/176/EC)
 

**System 3**
  
- 6a. Not relevant
  
- 6b. Technical Assessment Body
 

**DIBt Deutsches Institut für Bautechnik**  
**Kolonnenstraße 30B**  
**10829 Berlin**  
**Deutschland**
  
- Reference number of the European Technical Assessment
 

**ETA-11/0106 from 13.09.2022 (Annex 2)**
  
- Reference number of the European Assessment Document
 

**EAD 130 118-01-0603, 02.2019**
  
7. BWR1 Mechanical resistance and stability
 

Characteristic yield moment  $M_{y,k}$  [Nm] acc. ETA-11/0106, Table A.2.1

<b>Thread major diameter 3.0 mm =</b>	<b>0,9 Nm</b>
<b>Thread major diameter 3.5 mm =</b>	<b>1,4 Nm</b>
<b>Thread major diameter 4.0 mm =</b>	<b>1,9 Nm</b>
<b>Thread major diameter 4.5 mm =</b>	<b>2,6 Nm</b>

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Thread major diameter 5.0 mm =	3,4 Nm
Thread major diameter 5.5 mm =	4,4 Nm
Thread major diameter 6.0 mm =	5,5 Nm
Thread major diameter 8.0 mm =	12,0 Nm
Thread major diameter 10.0 mm =	21,0 Nm

Bending angle acc. ETA-11/0106, passage A.2.1 ( $45/d^{0,7}+20$ )

Thread major diameter 3.0 mm =	40,9°
Thread major diameter 3.5 mm =	38,7°
Thread major diameter 4.0 mm =	37,1°
Thread major diameter 4.5 mm =	35,7°
Thread major diameter 5.0 mm =	34,6°
Thread major diameter 5.5 mm =	33,6°
Thread major diameter 6.0 mm =	32,8°
Thread major diameter 8.0 mm =	30,5°
Thread major diameter 10.0 mm =	29,0°
Thread major diameter 12.0 mm =	27,9°

Characteristic withdrawal parameter  $f_{ax,k}$  [N/mm<sup>2</sup>] acc. ETA-11/0106, passage A.2.3.2

Thread major diameter 3.0 mm =	12,5 N/mm <sup>2</sup>
Thread major diameter 3.5 mm =	12,5 N/mm <sup>2</sup>
Thread major diameter 4.0 mm =	12,5 N/mm <sup>2</sup>
Thread major diameter 4.5 mm =	12,5 N/mm <sup>2</sup>
Thread major diameter 5.0 mm =	12,5 N/mm <sup>2</sup>
Thread major diameter 5.5 mm =	12,5 N/mm <sup>2</sup>
Thread major diameter 6.0 mm =	12,5 N/mm <sup>2</sup>
Thread major diameter 8.0 mm =	11,0 N/mm <sup>2</sup>
Thread major diameter 10.0 mm =	11,0 N/mm <sup>2</sup>
Thread major diameter 12.0 mm =	12,5 N/mm <sup>2</sup>

For OSB/3 and OSB/4 panels with the thickness  $\geq 18$  mm, the characteristic  $f_{ax,k}$  at an angle of 90° to the plane based on a characteristic density of 600 kg/m<sup>3</sup> is  $f_{ax,k} = 10.0$  N/mm<sup>2</sup> for DRIBO® and SPARIBO® screws with 4 mm  $\leq d \leq 6$  mm. 10,0 N/mm<sup>2</sup>

Characteristic head pull-through parameter  $f_{head,k}$

acc. ETA-11/0106, passage A.2.3.3, p. 9

Characteristic tensile strength  $f_{tens,k}$  [kN] acc. ETA-11/0106, Table A.2.1

Thread major diameter 3.0 mm =	1,8 kN
Thread major diameter 3.5 mm =	2,4 kN
Thread major diameter 4.0 mm =	3,1 kN
Thread major diameter 4.5 mm =	4,0 kN
Thread major diameter 5.0 mm =	4,9 kN
Thread major diameter 5.5 mm =	5,9 kN
Thread major diameter 6.0 mm =	7,1 kN
Thread major diameter 8.0 mm =	12,6 kN
Thread major diameter 10.0 mm =	19,6 kN

Characteristic torsional moment  $f_{tor,k}$  [Nm] acc. ETA-11/0106, Table A.2.1

Thread major diameter 3.0 mm =	1,0 Nm
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Thread major diameter 3.5 mm =	1,4 Nm
Thread major diameter 4.0 mm =	2,2 Nm
Thread major diameter 4.5 mm =	3,0 Nm
Thread major diameter 5.0 mm =	4,0 Nm
Thread major diameter 5.5 mm =	6,0 Nm
Thread major diameter 6.0 mm =	8,0 Nm
Thread major diameter 8.0 mm =	18,0 Nm
Thread major diameter 10.0 mm =	34,0 Nm

Insertion moment  
acc. ETA-11/0106, passage A.2.5

Minimum spacing, distances and timber thickness  
acc. ETA-11/0106, passage A.2.4

Axial slip modulus  $K_{ser}$  [N/mm]  
acc. ETA-11/0106, passage A.2.3

BWR 2 Reaction to fire  
**Class A1, acc. ETA-11/0106, passage 3.2**

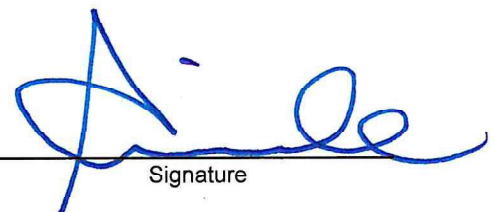
BWR 4 Safety and accessibility in use  
**as BWR 1, acc. ETA-11/0106, passage 3.3**

The performance of the in Annex 1 named products is in conformity with the declared performance and complied with the regulation (EU) Nr. 305/2011

Signed for and on behalf of the manufacturer by:

Criesbach, 05.07.2023  
\_\_\_\_\_  
Place/Date

Alexander Kimmerle CEO  
\_\_\_\_\_  
Name Position



Signature

Manfred Heber Product Management  
\_\_\_\_\_  
Name Position



Signature

## Declaration of Performance Nr. LE-003

This Declaration of Performance is issued in accordance with Annex III of the Regulation (EU) No. 305/2011 of the European Parliament and of the Council of 9 March 2011 laying down harmonised conditions for the marketing and of construction products and repealing Council Directive 89/106/EEC.

# Declaration of Performance

## No. LE-003

### Annex 1

Type, batch or serial number allowing identification of the construction product

#### DRIBO® Chipboard screw (stainless steel A2/A4)

article number	diameter	length
00R241 - 040035 - -	4,0 mm	35 mm
00R241 - 040040 - -	4,0 mm	40 mm
00R241 - 040045 - -	4,0 mm	45 mm
00R241 - 040050 - -	4,0 mm	50 mm
00R241 - 040060 - -	4,0 mm	60 mm
00R241 - 045040 - -	4,5 mm	40 mm
00R241 - 045045 - -	4,5 mm	45 mm
00R241 - 045050 - -	4,5 mm	50 mm
00R241 - 045060 - -	4,5 mm	60 mm
00R241 - 045070 - -	4,5 mm	70 mm
00R241 - 050050 - -	5,0 mm	50 mm
00R241 - 050060 - -	5,0 mm	60 mm
00R241 - 050070 - -	5,0 mm	70 mm
00R241 - 050080 - -	5,0 mm	80 mm
00R241 - 050100 - -	5,0 mm	100 mm
00R241 - 060060 - -	6,0 mm	60 mm
00R241 - 060080 - -	6,0 mm	80 mm
00R241 - 060100 - -	6,0 mm	100 mm
IRR240 - 060040 - -	6,0 mm	40 mm
IRR240 - 060042 - -	6,0 mm	42 mm
IRR240 - 060045 - -	6,0 mm	45 mm
IRR241 - 060042 - -	6,0 mm	42 mm

#### SPARIBO® Chipboard screw (stainless steel A2/A4)

article number	diameter	length
009267 - 040035 - -	4,0 mm	35 mm
009267 - 040040 - -	4,0 mm	40 mm
009267 - 040045 - -	4,0 mm	45 mm
009267 - 040050 - -	4,0 mm	50 mm
009267 - 040060 - -	4,0 mm	60 mm
009267 - 040070 - -	4,0 mm	70 mm
009267 - 040080 - -	4,0 mm	80 mm
009267 - 045040 - -	4,5 mm	40 mm
009267 - 045045 - -	4,5 mm	45 mm
009267 - 045050 - -	4,5 mm	50 mm
009267 - 045060 - -	4,5 mm	60 mm
009267 - 045070 - -	4,5 mm	70 mm
009267 - 045080 - -	4,5 mm	80 mm
009267 - 050050 - -	5,0 mm	50 mm
009267 - 050060 - -	5,0 mm	60 mm
009267 - 050070 - -	5,0 mm	70 mm
009267 - 050080 - -	5,0 mm	80 mm
009267 - 050090 - -	5,0 mm	90 mm
009267 - 050100 - -	5,0 mm	100 mm

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### Annex 1

009267	-	060080	-	6,0 mm	80 mm
009267	-	060090	-	6,0 mm	90 mm
009267	-	060100	-	6,0 mm	100 mm
009267	-	060120	-	6,0 mm	120 mm

### Wood facade screw (stainless steel A2/A4)

article number	diameter	length
00U241 - 040030	4,0 mm	30 mm
00U241 - 040035	4,0 mm	35 mm
00U241 - 040040	4,0 mm	40 mm
00U241 - 040050	4,0 mm	50 mm
00U241 - 045035	4,5 mm	35 mm
00U241 - 045040	4,5 mm	40 mm
00U241 - 045045	4,5 mm	45 mm
00U241 - 045050	4,5 mm	50 mm
00U241 - 045060	4,5 mm	60 mm
00U241 - 045070	4,5 mm	70 mm
00U241 - 050050	5,0 mm	20 mm
00U241 - 050060	5,0 mm	60 mm
00U241 - 050070	5,0 mm	70 mm
00U241 - 050080	5,0 mm	80 mm
00U241 - 050090	5,0 mm	90 mm
00U241 - 050100	5,0 mm	100 mm

### HBS Wafer head wood construction screw (stainless steel A2/A4)

article number	diameter	length
009292V - 080040	8,0 mm	8,0 mm
009292V - 080050	8,0 mm	50 mm
009292V - 080060	8,0 mm	60 mm
009292V - 080080	8,0 mm	80 mm
009292V - 080100	8,0 mm	100 mm
009292V - 080120	8,0 mm	120 mm
009292V - 080140	8,0 mm	140 mm
009292V - 080160	8,0 mm	160 mm
009292V - 080180	8,0 mm	180 mm
009292V - 080200	8,0 mm	200 mm
009292V - 080220	8,0 mm	220 mm
009292V - 080240	8,0 mm	240 mm
009292V - 080260	8,0 mm	260 mm

### TKS Wafer head screw (stainless steel A2/A4)

article number	diameter	length
00R292 - 060040	6,0 mm	40 mm
00R292 - 060050	6,0 mm	50 mm
00R292 - 060060	6,0 mm	60 mm
00R292 - 060080	6,0 mm	80 mm

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00R292 - 060100	6,0 mm	100 mm
00R292 - 060120	6,0 mm	120 mm
00R292 - 060140	6,0 mm	140 mm
00R292 - 060160	6,0 mm	160 mm
00R292 - 060180	6,0 mm	180 mm
00SN92 - 080040	8,0 mm	40 mm
00SN92 - 080050	8,0 mm	50 mm
00SN92 - 080060	8,0 mm	60 mm
00SN92 - 080080	8,0 mm	80 mm
00SN92 - 080100	8,0 mm	100 mm
00SN92 - 080120	8,0 mm	120 mm
00SN92 - 080140	8,0 mm	140 mm
00SN92 - 080160	8,0 mm	160 mm
00SN92 - 080180	8,0 mm	180 mm

### Distance set, wood (stainless steel A2/A4)

article number	diameter	length
00DSH2 - 048050	4,8 (5,0) mm	50 mm
00DSH4 - 048050	4,8 (5,0) mm	50 mm
00DSH2 - 120030	6,0 mm	75 mm
00DSH2 - 120035	6,0 mm	90 mm
00DSH2 - 120040	6,0 mm	90 mm
00DSH2 - 120045	6,0 mm	100 mm
00DSH2 - 120050	6,0 mm	100 mm
00DSH5 - 048050	4,8 (5,0) mm	50 mm

### TS Decking screw (stainless steel A2/A4)

article number	diameter	length
00L241 - 055040	5,5 mm	40 mm
00L241 - 055050	5,5 mm	50 mm
00L241 - 055060	5,5 mm	60 mm
00L241 - 055070	5,5 mm	70 mm
00L241 - 055080	5,5 mm	80 mm

### FPS Fascade panel screw (stainless steel A2/A4)

article number	diameter	length
000812 - 042032	4,2 (4,5) mm	32 mm
000812 - 055025	5,5 mm	25 mm
000812 - 055035	5,5 mm	35 mm
000812 - 055045	5,5 mm	45 mm
000812 - 055055	5,5 mm	55 mm

### RETINOX® plus wood screw HCR 1.4529

article number	diameter	length
HCR251Y - 040030	4,0 mm	30 mm
HCR251Y - 040040	4,0 mm	40 mm

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HCR251Y ___ - 040050 ___ -	4,0 mm	50 mm
HCR251Y ___ - 040060 ___ -	4,0 mm	60 mm
HCR251Y ___ - 050040 ___ -	5,0 mm	40 mm
HCR251Y ___ - 050050 ___ -	5,0 mm	50 mm
HCR251Y ___ - 050060 ___ -	5,0 mm	60 mm
HCR251Y ___ - 050070 ___ -	5,0 mm	70 mm
HCR251Y ___ - 050080 ___ -	5,0 mm	80 mm
HCR251Y ___ - 050100 ___ -	5,0 mm	100 mm
HCR251Y ___ - 060050 ___ -	6,0 mm	50 mm
HCR251Y ___ - 060060 ___ -	6,0 mm	60 mm
HCR251Y ___ - 060070 ___ -	6,0 mm	70 mm
HCR251Y ___ - 060080 ___ -	6,0 mm	80 mm
HCR251Y ___ - 060100 ___ -	6,0 mm	100 mm
HCR251Y ___ - 060120 ___ -	6,0 mm	120 mm
HCR251Y ___ - 060140 ___ -	6,0 mm	140 mm

### RETINOX® plus HCR 1.4539 wood screw

article number	diameter	length
009251D ___ - 040030 ___ -	4,0 mm	30 mm
009251D ___ - 040035 ___ -	4,0 mm	35 mm
009251D ___ - 040040 ___ -	4,0 mm	40 mm
009251D ___ - 040050 ___ -	4,0 mm	50 mm
009251D ___ - 040060 ___ -	4,0 mm	60 mm
009251D ___ - 050040 ___ -	5,0 mm	40 mm
009251D ___ - 050050 ___ -	5,0 mm	50 mm
009251D ___ - 050060 ___ -	5,0 mm	60 mm
009251D ___ - 050070 ___ -	5,0 mm	70 mm
009251D ___ - 050080 ___ -	5,0 mm	80 mm
009251D ___ - 050100 ___ -	5,0 mm	100 mm
009251D ___ - 060050 ___ -	6,0 mm	50 mm
009251D ___ - 060060 ___ -	6,0 mm	60 mm
009251D ___ - 060070 ___ -	6,0 mm	70 mm
009251D ___ - 060080 ___ -	6,0 mm	80 mm
009251D ___ - 060100 ___ -	6,0 mm	100 mm
009251D ___ - 060120 ___ -	6,0 mm	120 mm
009251D ___ - 060140 ___ -	6,0 mm	140 mm

### RETINOX® 4 plus Chipboard screw

article number	diameter	length
009251W ___ - 040045 ___ -	4,0 mm	45 mm
009251W ___ - 045045 ___ -	5,0 mm	40 mm
009251W ___ - 050040 ___ -	5,0 mm	50 mm
009251W ___ - 050045 ___ -	5,0 mm	60 mm
009251W ___ - 050050 ___ -	5,0 mm	70 mm
009251W ___ - 050060 ___ -	5,0 mm	80 mm
009251W ___ - 050070 ___ -	4,5 mm	45 mm
009251W ___ - 050080 ___ -	5,0 mm	40 mm