



# DECLARATION OF PERFORMANCE

DOP



## RD5203.01.02EN

Issued in accordance with the Construction Products Directive (CPD) 305/2011/EU.

Hoenderdaal Fasteners bv hereby declares that the products mentioned below comply with the requirements of:

### EN 14592 2008+A1 2012 – Timber structures - Dowel-type fasteners

1. Unique identification code of the product-type:

**5203.01**

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

**See annex 1 to this document**

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

Type	<b>Universalscrews zinc plated flathead pozi</b>
Material	<b>Carbonsteel plus AISI C1022 SI (hardened)</b>
Corrosion protection	<b>Zinc plated, minimum 5µm above class 24</b>
Service class	<b>Service class 1 according to EN 1995-1-1</b>
Fire resistance	<b>NPD</b>
Reaction to fire	<b>Classification A1 according to EN13501-1</b>
Intended use	<b>Screws for use in timber structures</b>

4. Name, registered trade name or registered trademark and contact address of the manufacturer as required pursuant to Article 11 (5):

**Hoenderdaal Fasteners bv – Wageningsealaan 18 – 3903 LA Veenendaal – The Netherlands**

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** NEN-EN 14592:2008+A1:2012

**Preformed by** SHR NB2590  
Nieuwe Kanaal 9c  
6709 PA Wageningen  
The Netherlands

**Under systeem** 3

**And issued** Intital type test reportcode ITT.13.0555

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

**Not relevant**

9. Declared performance:

Essential characteristics	Design Method	Ø 2,5	Ø 3,0	Ø 3,5	Ø 4,0	Ø 4,5	Ø 5,0	Ø 6,0	Ø 8,0	Harmonised technical specifications
MECHANICAL STRENGTH AND STIFFNESS										NEN EN-14592 2008+A1:2012
a) Characteristics yield moment $M_{y,k}$ [Nmm]	EN 409	NPD	NPD	NPD	3407	4540	5568	10325	NPD	
b) Characteristics withdrawal parameter	EN 1382	NPD	NPD	NPD	21,1	19,3	19,6	16,5	NPD	
Wood Density:		Spruce 450 kg/m <sup>3</sup> WMC 13%								
c) Characteristics head pull-through parameter [N/mm <sup>2</sup> ]	EN 1383	NPD	NPD	NPD	43,2	38,35	34,6	28,7	NPD	
Wood density:	EN 314 class 3	Okoume plywood, 18mm, 525 kg/m <sup>3</sup>								
d) Characteristics tensile capacity $f_{tens,k}$ [kN]	EN 1383:1999	NPD	NPD	NPD	5,82	6,84	7,76	13,03	NPD	
e) Characteristics torsional ratio:	EN ISO 10666:1999	NPD	NPD	NPD	4,2	4,9	4,3	6,7	NPD	
Wood Density:		Spruce 450 kg/m <sup>3</sup> WMC 13%								
DURABILITY	EN 1995-1-1 ISO 2081	Service class 1- zinc plated min. 5µm above class24								

10. The performance of the product identified in points 1 and 2 is in conformity with the 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 on behalf of the manufacturer by:



Bart Veldhuizen  
Product Manager

Veenendaal  
05-11-2015

Company stamp

Hoenderdaal Fasteners B.V.  
Wageningselaan 18  
3903 LA VEENENDAAL  
Tel.: 0318-539711  
Fax: 0318-515418



# DECLARATION OF PERFORMANCE

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### ANNEX 1

Art nr screws	Discription Dutch	D	L	Art nr	Art nr	Art nr	Art nr	Art nr	Art nr	Art nr	Art nr	Art nr	Art nr	Art nr
5203.02.04500	SPAANPLAATSCHROEF PK.GLVZ. PZ 2.5X12	2,5	12	102.025.012	102.125.012			125.025.012	127.025.012		202.125.012	302.125.012	401.125.012	425.025.012
5203.02.98200	SPAANPLAATSCHROEF PK.GLVZ. PZ 2.5X16	2,5	16	102.025.016	102.125.016			125.025.016	127.025.016		202.125.016	302.125.016		425.025.016
5203.02.98300	SPAANPLAATSCHROEF PK.GLVZ. PZ 2.5X20	2,5	20	102.025.020	102.125.020	102.525.020			127.025.020		202.125.020	302.125.020		425.025.020
5203.01.12400	SPAANPLAATSCHROEF PK.VZ. PZ 3.0X12	3	12	101.030.012	101.130.012	101.530.012		124.030.012			201.130.012	301.130.012		424.030.012
5203.01.12700	SPAANPLAATSCHROEF PK.VZ. PZ 3.0X16	3	16	101.030.016	101.130.016	101.530.016		124.030.016	127.030.016		201.130.016	301.130.016	401.130.016	424.030.016
5203.01.13000	SPAANPLAATSCHROEF PK.VZ. PZ 3.0X20	3	20	101.030.020	101.130.020	101.530.020	121.130.020	124.030.020	127.030.020		201.130.020	301.130.020	401.130.020	424.030.020
5203.01.13100	SPAANPLAATSCHROEF PK.VZ. PZ 3.0X25	3	25	101.030.025	101.130.025	101.530.025	121.130.025	124.030.025	127.030.025		201.130.025	301.130.025	401.130.025	424.030.025
5203.01.13200	SPAANPLAATSCHROEF PK.VZ. PZ 3.0X30	3	30	101.030.030	101.130.030	101.530.030	121.130.030	124.030.030	127.030.030		201.130.030	301.130.030	401.130.030	424.030.030
5203.01.13400	SPAANPLAATSCHROEF PK.VZ. PZ 3.0X35	3	35	101.030.035	101.130.035	101.530.035					201.130.035	301.130.035		424.030.035
5203.01.13600	SPAANPLAATSCHROEF PK.VZ. PZ 3.0X40	3	40	101.030.040	101.130.040	101.530.040					201.130.040	301.130.040		
5203.01.13800	SPAANPLAATSCHROEF PK.VZ. PZ 3.0X45	3	45	101.030.045	101.130.045	101.530.045					201.130.045	301.130.045		
5203.01.16400	SPAANPLAATSCHROEF PK.VZ. PZ 3.5X12	3,5	12	101.035.012	101.135.012	101.535.012					201.135.012	301.135.012		
5203.01.16700	SPAANPLAATSCHROEF PK.VZ. PZ 3.5X16	3,5	16	101.035.016	101.135.016	101.535.016	121.135.016	124.035.016	127.035.016		201.135.016	301.135.016	401.135.016	424.035.016
5203.01.17000	SPAANPLAATSCHROEF PK.VZ. PZ 3.5X20	3,5	20	101.035.020	101.135.020	101.535.020	121.135.020	124.035.020	127.035.020		201.135.020	301.135.020	401.135.020	424.035.020
5203.01.17100	SPAANPLAATSCHROEF PK.VZ. PZ 3.5X25	3,5	25	101.035.025	101.135.025	101.535.025	121.135.025	124.035.025	127.035.025		201.135.025	301.135.025	401.135.025	424.035.025
5203.01.17200	SPAANPLAATSCHROEF PK.VZ. PZ 3.5X30	3,5	30	101.035.030	101.135.030	101.535.030	121.135.030	124.035.030	127.035.030		201.135.030	301.135.030	401.135.030	424.035.030
5203.01.17400	SPAANPLAATSCHROEF PK.VZ. PZ 3.5X35	3,5	35	101.035.035	101.135.035	101.535.035	121.135.035	124.035.035	127.035.035		201.135.035	301.135.035	401.135.035	424.035.035
5203.01.17600	SPAANPLAATSCHROEF PK.VZ. PZ 3.5X40	3,5	40	101.035.040	101.135.040	101.535.040	121.135.040	124.035.040	127.035.040		201.135.040	301.135.040	401.135.040	424.035.040
5203.01.17800	SPAANPLAATSCHROEF PK.VZ. PZ 3.5X45	3,5	45	101.035.045	101.135.045	101.535.045					201.135.045	301.135.045		
5203.01.17900	SPAANPLAATSCHROEF PK.VZ. PZ 3.5X50	3,5	50	101.035.050	101.135.050	101.535.050		124.035.050			201.135.050	301.135.050		
5203.01.24400	SPAANPLAATSCHROEF PK.VZ. PZ 4.0X12	4	12	101.040.012	101.140.012	101.540.012					201.140.012	301.140.012		
5203.01.24700	SPAANPLAATSCHROEF PK.VZ. PZ 4.0X16	4	16	101.040.016	101.140.016	101.540.016	121.140.016	124.040.016	127.040.016		201.140.016	301.140.016	401.140.016	427.040.016
5203.01.25000	SPAANPLAATSCHROEF PK.VZ. PZ 4.0X20	4	20	101.040.020	101.140.020	101.540.020	121.140.020	124.040.020	127.040.020		201.140.020	301.140.020	401.140.020	424.040.020
5203.01.25100	SPAANPLAATSCHROEF PK.VZ. PZ 4.0X25	4	25	101.040.025	101.140.025	101.540.025	121.140.025	124.040.025	127.040.025		201.140.025	301.140.025	401.140.025	424.040.025
5203.01.25200	SPAANPLAATSCHROEF PK.VZ. PZ 4.0X30	4	30	101.040.030	101.140.030	101.540.030	121.140.030	124.040.030	127.040.030		201.140.030	301.140.030	401.140.030	424.040.030
5203.01.25400	SPAANPLAATSCHROEF PK.VZ. PZ 4.0X35	4	35	101.040.035	101.140.035	101.540.035	121.140.035	124.040.035	127.040.035		201.140.035	301.140.035	401.140.035	424.040.035
5203.01.25600	SPAANPLAATSCHROEF PK.VZ. PZ 4.0X40	4	40	101.040.040	101.140.040	101.540.040	121.140.040	124.040.040	127.040.040		201.140.040	301.140.040	401.140.040	424.040.040
5203.01.25800	SPAANPLAATSCHROEF PK.VZ. PZ 4.0X45	4	45	101.040.045	101.140.045	101.540.045	121.140.045				201.140.045	301.140.045	401.140.045	424.040.045
5203.01.25900	SPAANPLAATSCHROEF PK.VZ. PZ 4.0X50	4	50	101.040.050	101.140.050	101.540.050	121.140.050	124.040.050	127.040.050		201.140.050	301.140.050	401.140.050	424.040.050
5203.01.26000	SPAANPLAATSCHROEF PK.VZ. PZ 4.0X60	4	60	101.040.060	101.140.060	101.540.060		124.040.060			201.140.060	301.140.055		
5203.01.26200	SPAANPLAATSCHROEF PK.VZ. PZ 4.0X70	4	70	101.040.070	101.140.070	101.540.070					201.140.070	301.140.060	401.140.060	424.040.060
5203.01.26400	SPAANPLAATSCHROEF PK.VZ. PZ 4.0X80	4	80		101.140.080							301.140.070		424.040.070
5203.01.32700	SPAANPLAATSCHROEF PK.VZ. PZ 4.5X16	4	16			101.545.016								
5203.01.33000	SPAANPLAATSCHROEF PK.VZ. PZ 4.5X20	4,5	20	101.045.020	101.145.020	101.545.020					201.145.020	301.145.020		
5203.01.33100	SPAANPLAATSCHROEF PK.VZ. PZ 4.5X25	4,5	25	101.045.025	101.145.025	101.545.025					201.145.025	301.145.025		



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Art nr screws	Discription Dutch	D	L	Art nr	Art nr	Art nr	Art nr	Art nr	Art nr	Art nr	Art nr	Art nr	Art nr	Art nr
5203.01.33200	SPAANPLAATSCHROEF PK.VZ. PZ 4.5X30	4,5	30	101.045.030	101.145.030	101.545.030					201.145.030	301.145.030	401.145.030	424.045.030
5203.01.33400	SPAANPLAATSCHROEF PK.VZ. PZ 4.5X35	4,5	35	101.045.035	101.145.035	101.545.035					201.145.035	301.145.035		
5203.01.33600	SPAANPLAATSCHROEF PK.VZ. PZ 4.5X40	4,5	40	101.045.040	101.145.040	101.545.040	124.045.040	127.045.040			201.145.040	301.145.040	401.145.040	424.045.040
5203.01.33800	SPAANPLAATSCHROEF PK.VZ. PZ 4.5X45	4,5	45	101.045.045	101.145.045	101.545.045					201.145.045	301.145.045	401.145.045	424.045.045
5203.01.33900	SPAANPLAATSCHROEF PK.VZ. PZ 4.5X50	4,5	50	101.045.050	101.145.050	101.545.050	124.045.050	127.045.050			201.145.050	301.145.050	401.145.050	424.045.050
5203.01.34000	SPAANPLAATSCHROEF PK.VZ. PZ 4.5X60	4,5	60	101.045.060	101.145.060	101.545.060	124.045.060	127.045.060			201.145.060	301.145.060	401.145.060	424.045.060
5203.01.34200	SPAANPLAATSCHROEF PK.VZ. PZ 4.5X70	4,5	70	101.045.070	101.145.070	101.545.070	124.045.070				201.145.070	301.145.070		424.045.070
5203.01.34400	SPAANPLAATSCHROEF PK.VZ. PZ 4.5X80	4,5	80	101.045.080	101.145.080	101.545.080	124.045.080				201.145.080	301.145.080		
5203.01.99200	SPAANPLAATSCHROEF PK.VZ. PZ 5.0X16	5	16								201.150.016	301.150.016		
5203.01.41000	SPAANPLAATSCHROEF PK.VZ. PZ 5.0X20	5	20	101.050.020	101.150.020	101.550.020					201.150.020	301.150.020		
5203.01.41100	SPAANPLAATSCHROEF PK.VZ. PZ 5.0X25	5	25	101.050.025	101.150.025	101.550.025		127.050.025			201.150.025	301.150.025		427.050.025
5203.01.41200	SPAANPLAATSCHROEF PK.VZ. PZ 5.0X30	5	30	101.050.030	101.150.030	101.550.030	124.050.030	127.050.030			201.150.030	301.150.030		427.050.030
5203.01.41400	SPAANPLAATSCHROEF PK.VZ. PZ 5.0X35	5	35	101.050.035	101.150.035	101.550.035	124.050.040	127.050.035			201.150.035	301.150.035		
5203.01.41600	SPAANPLAATSCHROEF PK.VZ. PZ 5.0X40	5	40	101.050.040	101.150.040	101.550.040	121.150.040	127.050.040			201.150.040	301.150.040	401.150.040	427.050.040
5203.01.41800	SPAANPLAATSCHROEF PK.VZ. PZ 5.0X45	5	45	101.050.045	101.150.045	101.550.045					201.150.045	301.150.045		
5203.01.41900	SPAANPLAATSCHROEF PK.VZ. PZ 5.0X50	5	50	101.050.050	101.150.050	101.550.050	121.150.050	124.050.050	127.050.050		201.150.050	301.150.050	401.150.050	427.050.050
5203.01.42000	SPAANPLAATSCHROEF PK.VZ. PZ 5.0X60	5	60	101.050.060	101.150.060	101.550.060	121.150.060	124.050.060	127.050.060		201.150.060	301.150.060	401.150.060	427.050.060
5203.01.42200	SPAANPLAATSCHROEF PK.VZ. PZ 5.0X70	5	70	101.050.070	101.150.070	101.550.070	121.150.070	124.050.070	127.050.070		201.150.070	301.150.070	401.150.070	424.050.070 427.050.070
5203.01.42400	SPAANPLAATSCHROEF PK.VZ. PZ 5.0X80	5	80	101.050.080	101.150.080	101.550.080	121.150.080	124.050.080	127.050.080	127.150.080	201.150.080	301.150.080	401.150.080	427.050.080
5203.01.42500	SPAANPLAATSCHROEF PK.VZ. PZ 5.0X90	5	90	101.050.090	101.150.090	101.550.090			3	127.150.090	201.150.090	301.150.090	401.150.090	427.050.090
5203.01.42600	SPAANPLAATSCHROEF PK.VZ. PZ 5.0X100	5	100	101.050.100	101.150.100	101.550.100	121.150.100			127.050.100	127.150.100	201.150.100	301.150.100	401.150.100 427.050.100
5203.01.49200	SPAANPLAATSCHROEF PK.VZ. PZ 6.0X30	6	30											
5203.01.49600	SPAANPLAATSCHROEF PK.VZ. PZ 6.0X40	6	40	101.060.040	101.160.040	101.560.040	124.060.040	127.060.040			201.160.040	301.160.040		424.060.040
5203.01.49800	SPAANPLAATSCHROEF PK.VZ. PZ 6.0X45	6	45		101.160.045									
5203.01.49900	SPAANPLAATSCHROEF PK.VZ. PZ 6.0X50	6	50	101.060.050	101.160.050	101.560.050	124.060.050	127.060.050			201.160.050	301.160.050		424.060.050
5203.01.50000	SPAANPLAATSCHROEF PK.VZ. PZ 6.0X60	6	60	101.060.060	101.160.060	101.560.060	124.060.060	127.060.060			201.160.060	301.160.060	401.160.060	424.060.060
5203.01.50200	SPAANPLAATSCHROEF PK.VZ. PZ 6.0X70	6	70	101.060.070	101.160.070	101.560.070	124.060.070	127.060.070			201.160.070	301.160.070		424.060.070
5203.01.50400	SPAANPLAATSCHROEF PK.VZ. PZ 6.0X80	6	80	101.060.080	101.160.080	101.560.080		127.060.080	127.160.080		201.160.080	301.160.080	401.160.080	427.060.080
5203.01.50500	SPAANPLAATSCHROEF PK.VZ. PZ 6.0X90	6	90	101.060.090	101.160.090	101.560.090				127.160.090	201.160.090	301.160.090		427.060.100
5203.01.50600	SPAANPLAATSCHROEF PK.VZ. PZ 6.0X100	6	100	101.060.100	101.160.100	101.560.100		127.060.100	127.160.100		201.160.100	301.160.100	401.160.100	427.060.120
5203.01.50700	SPAANPLAATSCHROEF PK.VZ. PZ 6.0X110	6	110	101.060.110	101.160.110	101.560.110				127.160.110	201.160.110	301.160.110		
5203.01.50800	SPAANPLAATSCHROEF PK.VZ. PZ 6.0X120	6	120	101.060.120	101.160.120	101.560.120	121.160.120	127.060.120	127.160.120		201.160.120	301.160.120	401.160.120	
5203.01.50900	SPAANPLAATSCHROEF PK.VZ. PZ 6.0X130	6	130	101.060.130	101.160.130	101.560.130				127.160.130	201.160.130	301.160.130		
5203.01.51000	SPAANPLAATSCHROEF PK.VZ. PZ 6.0X140	6	140	101.060.140	101.160.140	101.560.140				127.160.140	201.160.140	301.160.140		
5203.01.51100	SPAANPLAATSCHROEF PK.VZ. PZ 6.0X150	6	150	101.060.150	101.160.150	101.560.150				127.160.150	201.160.150	301.160.150		



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Art nr screws	Discription Dutch	D	L	Art nr	Art nr	Art nr	Art nr	Art nr	Art nr	Art nr	Art nr	Art nr	Art nr	Art nr
5203.01.51200	SPAANPLAATSCHROEF PK.VZ. PZ 6.0X160	6	160	101.060.160	101.160.160	101.560.160				127.160.160	201.160.160	301.160.160		
5203.01.51300	SPAANPLAATSCHROEF PK.VZ. PZ 6.0X180	6	180	101.060.180	101.160.180	101.560.180					201.160.180	301.160.180		
5203.01.51400	SPAANPLAATSCHROEF PK.VZ. PZ 6.0X200	6	200	101.060.200		101.560.200						301.160.200		