

SUORITUSTASOILMOITUS

DECLARATION OF PERFORMANCE



Tämä suoritusasoilmoitus koskee seuraavia tuotteita:

3035CPKS, 4035CPKS, 2535ATF, 2535BPKS, 4035BPKS, 4139AHLS, 3239AHS, 4139AHS, 5539AHS, 2535ATS, 3535ATS, 3239AHLS, 3539AHLS, 3039CHS, 3039CHLS, 4039CHLS, 5039CHLS

Käyttötarkoitus:

H&H koneruuvit on tarkoitettu kipsilevyjen kiinnittämiseen joko metalli tai puurankaan.

Sovellettava standardi:

Tuotteet täyttävät EN 14566 standardissa asetetut vaatimukset.

Positikohtaiset testiraportit:

EN 14566 positiokohtaiset testiraportit erillisinä liitteinä.

Korroosion kestävyys:

Sähkösinkityt (5 µm sinkkikerros) ja fosfatoitunut ruuvit täyttävät EN 14566 standardin vaatimukset.

Eränumero:

Eränumero on pakkauksessa.

Valmistaja:

Valmistajan numero 21.

Espoo 03.02.2014

Martti Laaksonen

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EN14566 TESTING REPORT



PART NO: 2535ATS
Head type: TRUMPET
Recess: NO.2 PHILLIPS DRIVE
Thread: FINE THREAD
Point: SHARP
Wire dia. 2.65mm
Size: 3.5 x 25mm



Characteristic	Test method and assessment	Test Q'ty pcs.	Actual Result	Compliance criteria
Length (mm)	24.2mm~25.8mm	50	24.70 -25.5	EN 14566 4.4.3.4
Withdrawal force	Minimum : 450 N	50	706.5 -721.5N	EN 14566 4.4.3.2
Bending behavior	Minimum : 15°	50	15° ↑	EN 14566 4.2
Drilling performance test	0.6 mm steel sheet ,time<1 sec	50	0.44~0.60 sec	EN 14566 4.4.3.3
Determination of coating thickness/mass	CZ (5u)	5	6.10~7.00	EN 14566 4.4.1
EN ISO 6508-1 Hardness	Minimum :55 HRC (600 HV)	50	HV621~650	EN 14566 4.4.3.5

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PART NO: 3535ATS
Head type: TRUMPET
Recess: NO.2 PHILLIPS DRIVE
Thread: FINE THREAD
Point: SHARP
Wire dia. 2.65mm
Size: 3.5 x 35mm



Characteristic	Test method and assessment	Test Q'ty pcs.	Actual Result	Compliance criteria
Length (mm)	34mm~36mm	50	34.44 - 35.59	EN 14566 4.4.3.4
Withdrawal force	Minimum : 450 N	50	710.6 -722.3N	EN 14566 4.4.3.2
Bending behavior	Minimum : 15°	50	15 ° ↑	EN 14566 4.2
Drilling performance test	0.6 mm steel sheet ,time<1 sec	50	0.38~0.50 sec	EN 14566 4.4.3.3
Determination of coating thickness/mass	CZ (5u)	5	5.50~7.00	EN 14566 4.4.1
EN ISO 6508-1 Hardness	Minimum :55 HRC (600 HV)	50	HV615~650	EN 14566 4.4.3.5

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EN14566 TESTING REPORT



PART NO: 2535ATF
Head type: TRUMPET
Recess: NO.2 PHILLIPS DRIVE
Thread: FINE THREAD
Point: SHARP
Wire dia. 2.65mm
Size: 3.5 x 25mm



Characteristic	Test method and assessment	Test Q'ty pcs.	Actual Result	Compliance criteria
Length (mm)	24.2mm~25.8mm	50	24.25 -25.22	EN 14566 4.4.3.4
Withdrawal force	Minimum : 450 N	50	703.6 -717.1N	EN 14566 4.4.3.2
Bending behavior	Minimum : 15°	50	15 ° ↑	EN 14566 4.2
Drilling performance test	0.6 mm steel sheet ,time<1 sec	50	0.45~0.56 sec	EN 14566 4.4.3.3
Determination of coating thickness/mass	Gray phosphated	x	x	EN 14566 4.4.1
EN ISO 6508-1 Hardness	Minimum :55 HRC (600 HV)	50	HV621~650	EN 14566 4.4.3.5

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EN14566 TESTING REPORT



PART NO: 3239AHS
Head type: TRUMPET
Recess: NO.2 PHILLIPS DRIVE
Thread: COARSE THREAD
Point: SHARP
Wire dia. 2.65mm
Size: 3.9 x 32mm



Characteristic	Test method and assessment	Test Q'ty pcs.	Actual Result	Compliance criteria
Length (mm)	31.0mm~33.0mm	50	31.28 - 32.20	EN 14566 4.4.3.4
Withdrawal force	Minimum : 450 N	50	660 - 677N	EN 14566 4.4.3.2
Bending behavior	Minimum : 15°	50	15 ° ↑	EN 14566 4.2
Drilling performance test	x	50	x	EN 14566 4.4.3.3
Determination of coating thickness/mass	CZ (5u)	5	5.90~6.80	EN 14566 4.4.1
EN ISO 6508-1 Hardness	Minimum :55 HRC (600 HV)	50	HV617~680	EN 14566 4.4.3.5

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EN14566 TESTING REPORT



PART NO: 4139AHS
Head type: TRUMPET
Recess: NO.2 PHILLIPS DRIVE
Thread: COARSE THREAD
Point: SHARP
Wire dia. 2.65mm
Size: 3.9 x 41mm



Characteristic	Test method and assessment	Test Q'ty pcs.	Actual Result	Compliance criteria
Length (mm)	39.8mm~42.2mm	50	40.1 - 42.0	EN 14566 4.4.3.4
Withdrawal force	Minimum : 450 N	50	650 - 670N	EN 14566 4.4.3.2
Bending behavior	Minimum : 15°	50	15 ° ↑	EN 14566 4.2
Drilling performance test	x	50	x	EN 14566 4.4.3.3
Determination of coating thickness/mass	CZ (5u)	5	6.20~7.20	EN 14566 4.4.1
EN ISO 6508-1 Hardness	Minimum :55 HRC (600 HV)	50	HV620~678	EN 14566 4.4.3.5

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EN14566 TESTING REPORT



PART NO: 5539AHS
Head type: DOUBLE TRUMPET
Recess: NO.2 PHILLIPS DRIVE
Thread: COARSE THREAD
Point: SHARP
Wire dia. 2.65mm
Size: 3.9 x 55mm



Characteristic	Test method and assessment	Test Q'ty pcs.	Actual Result	Compliance criteria
Length (mm)	53.8mm~56.2mm	50	54.55 - 55.8	EN 14566 4.4.3.4
Withdrawal force	Minimum : 450 N	50	690 - 684N	EN 14566 4.4.3.2
Bending behavior	Minimum : 15°	50	15 ° ↑	EN 14566 4.2
Drilling performance test	x	50	x	EN 14566 4.4.3.3
Determination of coating thickness/mass	CZ (5u)	5	6.30~7.00	EN 14566 4.4.1
EN ISO 6508-1 Hardness	Minimum :55 HRC (600 HV)	50	HV613~662	EN 14566 4.4.3.5

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EN14566 TESTING REPORT



PART NO: 3239AHLS
Head type: DOUBLE TRUMPET
Recess: NO.2 PHILLIPS DRIVE
Thread: HI-LO THREAD
Point: SHARP
Wire dia. 2.70mm
Size: 3.9 x 32mm



Characteristic	Test method and assessment	Test Q'ty pcs.	Actual Result	Compliance criteria
Length (mm)	31.0mm~33.0mm	50	31.72 - 32.30	EN 14566 4.4.3.4
Withdrawal force	Minimum : 450 N	50	2530 - 2377N	EN 14566 4.4.3.2
Bending behavior	Minimum : 15°	50	15 ° ↑	EN 14566 4.2
Drilling performance test	x	50	x	EN 14566 4.4.3.3
Determination of coating thickness/mass	CZ (5u)	5	6.80~7.50	EN 14566 4.4.1
EN ISO 6508-1 Hardness	Minimum :55 HRC (600 HV)	50	HV655~660	EN 14566 4.4.3.5

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EN14566 TESTING REPORT



PART NO: 4139AHL5
Head type: DOUBLE TRUMPET
Recess: NO.2 PHILLIPS DRIVE
Thread: HI-LO THREAD
Point: SHARP
Wire dia. 2.70mm
Size: 3.9 x 41mm



Characteristic	Test method and assessment	Test Q'ty pcs.	Actual Result	Compliance criteria
Length (mm)	40.0mm~42.0mm	50	40.19 - 40.88	EN 14566 4.4.3.4
Withdrawal force	Minimum : 450 N	50	2375 - 2391N	EN 14566 4.4.3.2
Bending behavior	Minimum : 15°	50	15 ° ↑	EN 14566 4.2
Drilling performance test	x	50	x	EN 14566 4.4.3.3
Determination of coating thickness/mass	CZ (5u)	5	5.90~7.50	EN 14566 4.4.1
EN ISO 6508-1 Hardness	Minimum :55 HRC (600 HV)	50	HV655~678	EN 14566 4.4.3.5

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EN14566 TESTING REPORT



PART NO: 2535BPKS
Head type: DOUBLE TRUMPET
Recess: NO.2 PHILLIPS DRIVE
Thread: FINE THREAD
Point: DRILL POINT
Wire dia. 2.80mm
Size: 3.5 x 25mm



Characteristic	Test method and assessment	Test Q'ty pcs.	Actual Result	Compliance criteria
Length (mm)	24.2mm~25.8mm	50	24.83 -25.05	EN 14566 4.4.3.4
Withdrawal force	Minimum : 450 N	50	492 - 520N	EN 14566 4.4.3.2
Bending behavior	Minimum : 15°	50	15 ° ↑	EN 14566 4.2
Drilling performance test	2.0 mm steel sheet ,time<4 sec	50	0.97~2.58 sec	EN 14566 4.4.3.3
Determination of coating thickness/mass	CZ (5u)	5	6.80~7.90	EN 14566 4.4.1
EN ISO 6508-1 Hardness	Minimum :55 HRC (600 HV)	50	HV615~625	EN 14566 4.4.3.5

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EN14566 TESTING REPORT



PART NO: 3039CHLS
Head type: SMALL TRUMPET
Recess: NO.2 PHILLIPS DRIVE
Thread: REVERSE FINE / HI-LO
THREAD
Point: SHARP
Wire dia. 2.70mm
Size: 3.9 x 30mm



Characteristic	Test method and assessment	Test Q'ty pcs.	Actual Result	Compliance criteria
Length (mm)	29.0mm~31.0mm	50	29.51 - 30.05	EN 14566 4.4.3.4
Withdrawal force	Minimum : 450 N	50	2350 - 2381N	EN 14566 4.4.3.2
Bending behavior	Minimum : 15°	50	15 ° ↑	EN 14566 4.2
Drilling performance test	x	50	x	EN 14566 4.4.3.3
Determination of coating thickness/mass	CZ (5u)	5	7.00~7.80	EN 14566 4.4.1
EN ISO 6508-1 Hardness	Minimum :55 HRC (600 HV)	50	HV655~672	EN 14566 4.4.3.5

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EN14566 TESTING REPORT



PART NO: 4039CHLS
Head type: SMALL TRUMPET
Recess: NO.2 PHILLIPS DRIVE
Thread: REVERSE FINE / HI-LO
THREAD
Point: SHARP
Wire dia. 2.70mm
Size: 3.9 x 40mm



Characteristic	Test method and assessment	Test Q'ty pcs.	Actual Result	Compliance criteria
Length (mm)	39.0mm~41.0mm	50	39.59 - 40.20	EN 14566 4.4.3.4
Withdrawal force	Minimum : 450 N	50	2371 - 2390N	EN 14566 4.4.3.2
Bending behavior	Minimum : 15°	50	15 ° ↑	EN 14566 4.2
Drilling performance test	x	50	x	EN 14566 4.4.3.3
Determination of coating thickness/mass	CZ (5u)	5	5.99~7.01	EN 14566 4.4.1
EN ISO 6508-1 Hardness	Minimum :55 HRC (600 HV)	50	HV688~713	EN 14566 4.4.3.5

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EN14566 TESTING REPORT



PART NO: 5039CHLS
Head type: SMALL TRUMPET
Recess: NO.2 PHILLIPS DRIVE
Thread: REVERSE FINE / HI-LO
THREAD
Point: SHARP
Wire dia. 2.70mm
Size: 3.9 x 50mm



Characteristic	Test method and assessment	Test Q'ty pcs.	Actual Result	Compliance criteria
Length (mm)	48.8mm~51.2mm	50	50.15 - 51.00	EN 14566 4.4.3.4
Withdrawal force	Minimum : 450 N	50	2370 - 2389N	EN 14566 4.4.3.2
Bending behavior	Minimum : 15°	50	15 ° ↑	EN 14566 4.2
Drilling performance test	x	50	x	EN 14566 4.4.3.3
Determination of coating thickness/mass	CZ (5u)	5	6.38~8.00	EN 14566 4.4.1
EN ISO 6508-1 Hardness	Minimum :55 HRC (600 HV)	50	HV660~670	EN 14566 4.4.3.5

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PART NO: 3039CHS
Head type: SMALL TRUMPET
Recess: NO.2 PHILLIPS DRIVE
Thread: REVERSE FINE / COARSE
THREAD
Point: SHARP
Wire dia. 2.70mm
Size: 3.9 x 30mm



Characteristic	Test method and assessment	Test Q'ty pcs.	Actual Result	Compliance criteria
Length (mm)	29.2mm~31.2mm	50	30.15 - 30.45	EN 14566 4.4.3.4
Withdrawal force	Minimum : 450 N	50	668 - 682N	EN 14566 4.4.3.2
Bending behavior	Minimum : 15°	50	15 ° ↑	EN 14566 4.2
Drilling performance test	x	50	x	EN 14566 4.4.3.3
Determination of coating thickness/mass	CZ (5u)	5	6.00~7.01	EN 14566 4.4.1
EN ISO 6508-1 Hardness	Minimum :55 HRC (600 HV)	50	HV610~677	EN 14566 4.4.3.5

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