



Product Service

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Technical Report No. 713131481

Revision: 00
dated 2020-04-23

Client: Alu Rehab AS
Bedriftsvegen 23
NO-4353 Klepp Stasjon

Manufacturing place: Alu Rehab Xiamen Co. Ltd.
No. 289, Weng Jiao Road, Xin Yang Industrial District, Haicang,
CN-361022 Xiamen

Test subject: Supplementary accessories
Netti Dynamic System
for the manual wheelchairs Netti III (HD), Netti 4U CED (S) and Netti 4U Base

Test specification: DIN EN 12183:2014, section 7.2, 7.3, 8.1 and 10.6

Purpose of examination: Testing according to the test specification.

Test result: The test results show that the presented supplementary accessories, Netti Dynamic System is in compliance with the specified requirements.

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1 DESCRIPTION OF THE TEST SUBJECT

Netti Dynamic System for the manual wheelchairs Netti III (HD), Netti 4U CED (S) and Netti 4U Base.

1.1 Function

Manufacturer's specification for intended use:

Netti Dynamic System is an advanced mobility aid for users affected by dystonia. It is for users with extensive movement patterns resulting in strong spasms and contractions of the user's musculoskeletal apparatus causing joint dislocations, involuntary movements, sliding, loss of function and also challenging the strength of the wheelchair. The patented Netti Dynamic System accommodates the user's extension movements letting the wheelchair work in synergy with the user's movements. When accommodating the spastic extensions pattern, muscle tone and frequency of spasms could be reduced. The wheelchair is dynamic and will follow the user's movements of both upper and lower body.

Netti Dynamic System allows for Open Kinetic Chain movements (OK-C):

- Leg movements
- Hip movements
- Back movements
- Head movements
- Foot movements



1.2 Technical Data

Following components are used in the Netti Dynamic System:

	Strength / Size	Article number (Alu Rehab)	Article number
Gas springs (Netti III (HD), Netti 4U CED and Netti 4U Base)			Bansbach easylift
Gas spring	200 N	85330	KONOK-3-90-290-0xx 200 N
Gas spring	300 N	85331	KONOK-3-90-290-0xx 300 N
Gas spring	400 N	85332	KONOK-3-90-290-0xx 400 N
Gas spring	500 N	85333	KONOK-3-90-290-0xx 500 N
Gas spring	600 N	85334	KONOK-3-90-290-0xx 600 N
Gas spring	700 N	85335	KONOK-3-90-290-0xx 700 N
Gas spring	800 N	85336	KONOK-3-90-290-0xx 800 N
Gas spring	900 N	85337	KONOK-3-90-290-0xx 900 N
Gas spring	1000 N	85338	KONOK-3-90-290-0xx 1000 N
Gas spring	1100 N	85339	KONOK-3-90-290-0xx 1100 N
Gas spring	1200 N	85340	KONOK-3-90-290-0xx 1200 N
Gas spring	1300 N	85341	KONOK-3-90-290-0xx 1300 N



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	Strength / Size	Article number (Alu Rehab)	Article number
Gas springs Libertas (Netti III (HD), Netti 4U CED and Netti 4U Base)			Suspa
Libertas	80 N	82330	HY3-191-119-80N
Libertas	120 N	82331	HY3-191-119-120N
Libertas	160 N	82332	HY3-191-119-160N
Gas springs (Netti S)			Bansbach easylift
Gas spring	100 N	87909	KONOK-3-90-290-0xx 100 N
Gas spring	200 N	87911	KONOK-3-90-290-0xx 200 N
Gas spring	300 N	87913	KONOK-3-90-290-0xx 300 N
Gas spring	400 N	87915	KONOK-3-90-290-0xx 400 N
Gas spring	500 N	87917	KONOK-3-90-290-0xx 500 N
Gas spring	600 N	87919	KONOK-3-90-290-0xx 600 N
Seat plates			
Seat plate Long	350 mm	45306	
	380 mm	45307	
	400 mm	45308	
	430 mm	45309	
	450 mm	45310	
	500 mm	45311	
Seat plate short	350 mm	45312	
	380 mm	45313	
	400 mm	45314	
	430 mm	45315	
	450 mm	45316	
	500 mm	45317	
Leg supports			
Short: 214 mm length adjustment	350 mm	82907	
	380 mm	82908	
	400 mm	82909	
	430 mm	82910	
	450 mm	82911	
	500 mm	82912	
	550 mm	82913	
	600 mm	82914	
Long: 300 mm length adjustment	350 mm	82915	
	380 mm	82916	
	400 mm	82917	
	430 mm	82918	
	450 mm	82919	
	500 mm	82920	
	550 mm	82921	
	600 mm	82922	



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2 ORDER

2.1 Date of Purchase Order

The testing of the Netti Dynamic System for the manual wheelchairs Netti III (HD), Netti 4U CED (S) and Netti 4U Base has been carried out per purchase order of the company Alu rehab AS dated at 2018-04-18.

2.2 Date of Receipt of Test Subject

The testing has been performed at TÜV SÜD Product Service GmbH, Masurenweg 1-3, D-30163 Hanover from 2018-04-18 to 2020-04-20. The test subject was delivered to the test laboratory on 2018-04-12, 2019-01-19, 2019-02-04 by shipping agent. The required documents were delivered to the test laboratory between 2018-08-14 to 2020-04-21 by e-mail.

3 REVISION HISTORIE

- Rev. 0: Original report

4 SUMMARY

The test results show that the presented supplementary accessories, Netti Dynamic System is in compliance with the specified requirements.

TÜV SÜD Product Service GmbH
Technical report checked:

SIGN-ID 350703
24.04.2020

i.A. Dipl.-Ing. Michael Kese
MHS Hanover

TÜV SÜD Product Service GmbH
Project Manager

SIGN-ID 349777
23.04.2020

i.A. Jens Meyer
MHS Hanover