

DAHL DOCKING SYSTEMS

ENGLISH



Version 01_2015

DAHL
ENGINEERING



Dahl Engineering sets again new standards for flexibility and safety!

We are happy to announce that we can now offer two different types of docking stations, which can be used for numerous different transportation needs. Besides our docking station MK II, we can now also offer an electrical height adjustable docking station, by the name of Dahl VarioDock™, which also can be used for anchoring our seats. Almost all the wheelchairs, which have been tested with our Dahl Docking Station MK II, are compatible with Dahl VarioDock™.

Please find more information about the two docking stations on the following pages.

Dahl Docking Station MK II



Art. no.: 501750 - Dahl Docking Station MK II

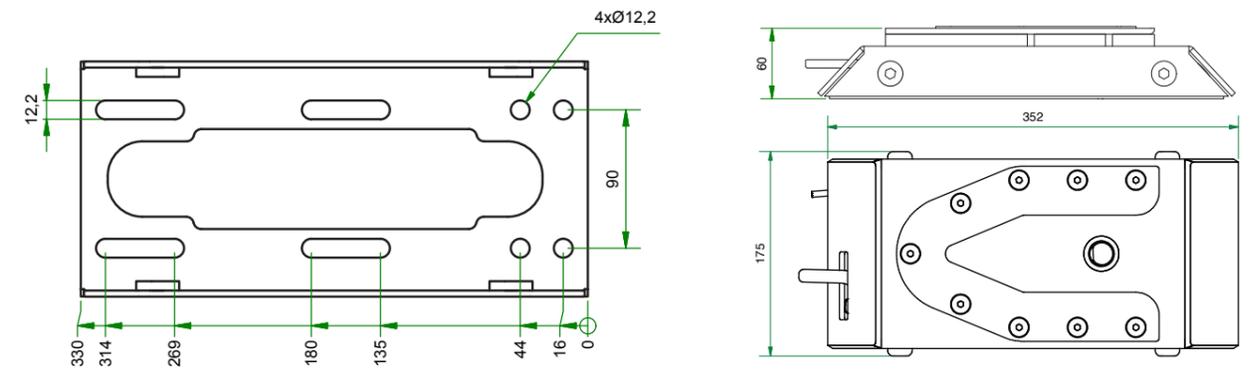
Dahl Engineering's Docking System provides a hitherto unseen flexibility and safety for wheelchair users.

The Docking System is the first system on the market to be tested and TÜV certified in accordance with EU safety requirements for cars (M1).

In testing, the docking station has proved to be so strong that it can withstand a load corresponding to a wheelchair weight of more than 200 kg + passenger provided that the safety belt is installed in the traditional manner in the floor of the vehicle.



Art. no. 501750
Contents of a standard set for MK II.

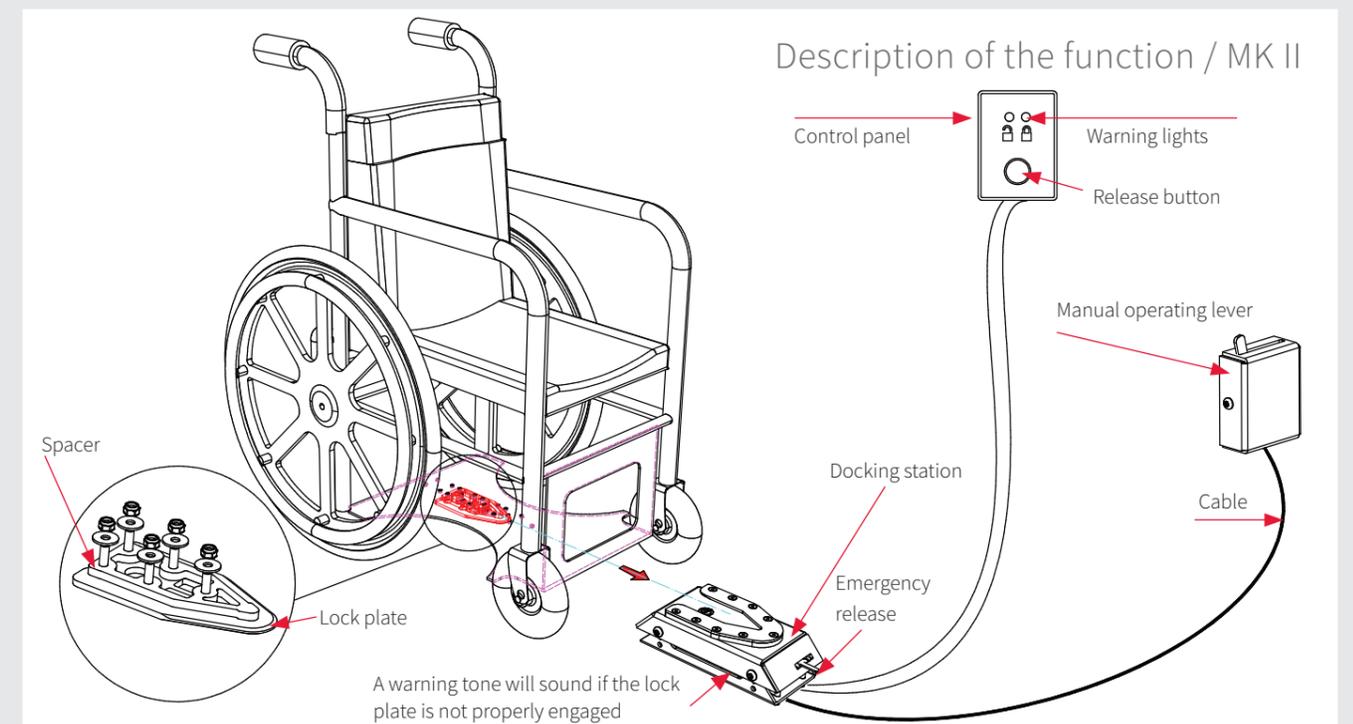


You can find more information about maintenance and installation of the Dahl Docking Station MK II on our website.



A lock plate and a spacer must be fitted under the wheelchair. When the wheelchair is maneuvered towards the docking station, it is guided into place by means of the lock plate and is secured automatically.

The wheelchair is released by pressing the red button on the control panel.



Dahl VarioDock™

Our new Dahl VarioDock™ is not only the only power-height adjustable wheelchair Docking station, which facilitates securing wheelchairs with different ground clearances and vehicle passenger seats with integrated 3 point belt, but it is also the only system to meet standard ISO 10542-1, ISO 7176-19 and the strict M1 in-vehicle testing requirements for seats and seat belt anchorages according to ECE regulations 14 and 17.

Thanks to the Dahl VarioDock™ system, securing wheelchair users and other seated occupants can be carried out with an unprecedented ease, speed and safety. The Dahl VarioDock™ docking system offers more flexibility and versatility than any other seat anchoring system because the seat and wheelchair layout can be changed very quickly with a minimum of effort and time consumption. A docking system also improves the working environment considerably for drivers, who often struggle with cramped spaces and bad working positions when tying down wheelchairs with 4 point strap systems.

- Power height adjustment from 61 - 91 mm.
- Time consumption only ¼ of tying down wheelchair with 4 point strap system.
- Tested for wheelchairs with a weight of up to 200 kg plus user.
- Approved for anchoring Dahl COMFORT Seat
- 4 step power tightening system to eliminate unwanted play.
- Opening time for lock selectable in 5 or 8 seconds intervals.
- "Maintenance required" warning in display
- Improves working environment for drivers.
- No tie down straps on vehicle floor to trip over.
- Crash tested and CE-marked with approximately 100 wheelchairs

Dahl VarioDock™

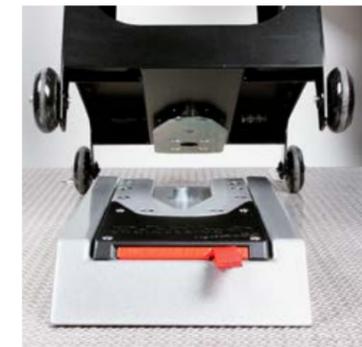
Patent pending



Dahl VarioDock™



Dahl VarioDock™ can be used to secure manual and powered wheelchairs with a weight of up to 200 kg plus user, as well as our Dahl COMFORT Seat with integrated 3 point safety belt.



Contents of Dahl VarioDock™ base kit #503600.



Accessories for Dahl Docking System MK II and VarioDock™



Seat bases for anchoring original drivers seats with Dahl Docking Station MK II and VarioDock™

Art. no. 503245
Height 134-202 mm

Art. no. 500650
Height 180-222 mm

Art. no. 502270
Height 237-279 mm



Seat bases for original driver's seats

In addition to being approved for wheelchair tie-down, Dahl Docking Station MK II and VarioDock™ have also been tested and approved for anchoring a number of original car manufacturers' seats.

We offer seat bases with pre-drilled holes that fit a number of car manufacturers' original driver's seats and their original seat heights, for Nissan NV 400, Opel Movano, Renault Master, VW T5, MB Sprinter, VW Crafter and MB Vito/Viano.

These seat bases can be anchored in the Dahl Docking Station MK II & VarioDock and placed in the vehicle's 1st seat row, allowing the driver and passenger to swap space.

Our seat bases are tested in accordance with ECE Regulations 14 and 17.

The seat base frame can be assembled in 36 different positions for optimum flexibility and comfort, thus allowing the seat height and angle to be adjusted.



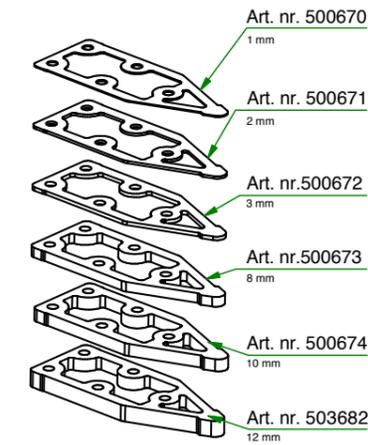
Emergency release tool

Art. no. 503161



Accessories for Dahl Docking System MK II

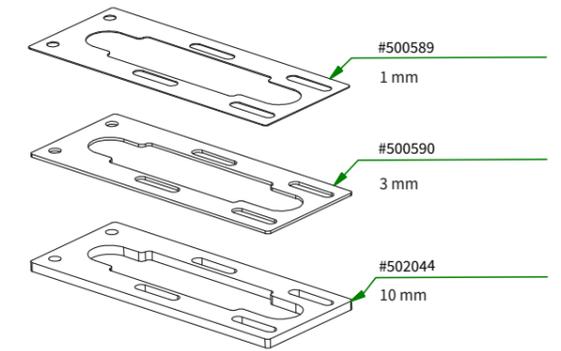
Spacers for height adjustment of the lock plate



Art. nr. 503125
Lock plate with bolts and 8 mm spacer



Spacers for height adjustment of the Docking Station



Servicekits

Art. no. 502010 - Servicekit - MK II, (until 05/2017)
Art. no. 502493 - Servicekit - MK II, (from 06/2017 -)
Art. no. 503636 - Servicekit - VarioDock™

Manual operating lever

Art. no. 500680



Cable for manual operating lever

Art. no. 502418



Subframes for Docking Station Mk II



Dahl Docking Station - MK II System

Vehicle list - tested fitting kits

Vehicle make	Vehicle model	Position of shoulder belt anchorage	Floor mount type	For b-pillar			MK II	
				Amount docking stations	Seat base	Shoulder belt anchorage		
Citroën	Berlingo, Tripod/allied dropfloor conversion	B	/	2	1	1	503461	
		C	surface				502171	
	Jumper Y	C	flush				502172	
		W	surface				502179	
	Jumpy X	W	flush				502180	
		C	surface				502171	
		C	flush				502172	
		RD	surface				502177	
	Jumpy & Spacetourer KO, Freedom Drop Floor Conversion	RD	flush				502178	
		B		1	0	0	503303	
		B		1	0	1	503304	
		B		2	1	0	503305	
	Fiat	Doblo high roof SWB & LWB	B		2	1	2	503306
			C	surface				503302
C		flush				503301		
D		surface				503121		
Ducato X250		D	flush				503120	
		C	surface				502171	
Scudo X270		C	flush				502172	
		W	surface				502179	
		W	flush				502180	
		C	surface				502171	
		C	flush				502172	
		RD	surface				502177	
Talento		RD	flush				502178	
		C	surface				502171	
	C	flush				502172		
	Ford	Transit Custom V362	C	surface				502171
C			flush				502172	
RD		surface				502177		
RD		flush				502178		
MAN	Transit V363	C	surface				502194	
		C	surface				503142	
	TGE 2017-	C	flush				503143	
		W	surface				503145	
Mercedes	Vito & V-Class W447	W	flush				503144	
		D	surface				502171	
		D	flush				502172	
		B		2	1	2	502163	
		B		2	1	0	502164	
		B		1	0	1	502165	
	Sprinter 906 & 907	B		1	0	1	502166	
		B		1	0	0	502167	
		B		1	0	0	502168	
		C	surface				502171	
		C	flush				502172	
		RD	surface				502177	
		RD	flush				502178	
		B		2	1	2	501970	
Sprinter 910	B		1	0	1	501971		
	B		2	1	0	502034		
	B		1	0	0	502035		
	W	surface				502175		
	W	flush				502176		
	D	surface				502171		
	D	flush				502172		
	W	surface				502175		
	W	flush				502176		
	D	surface				502171		
Nissan	NV 200	D	flush				502172	
		W	surface				503197	
	NV 300	C	surface				502171	
		C	flush				502172	
	NV 400	D	surface				502171	
		D	flush				502172	
		B		2	1	2	502039	
		B		2	1	0	502041	
		B		1	0	1	502042	
		B		1	0	0	502043	
	Primastar	C	surface				502181	
		C	flush				502182	
		C	surface				502171	
		C	flush				502172	
Opel	Combo High roof SWB & LWB	D	surface				503121	
		D	flush				503120	
	Movano X 62	B		2	1	2	502039	
		B		2	1	0	502041	
B		1	0	1	502042			

SYMBOLS: B-pillar = B / C-pillar = C / D-pillar = D / Window frame = W / Rear door = RD

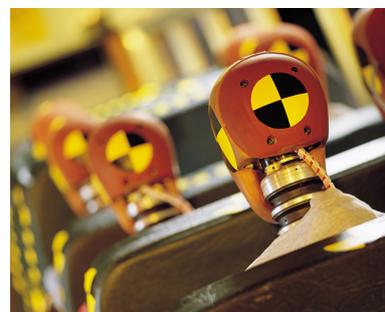
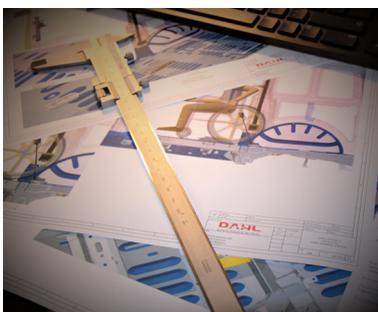
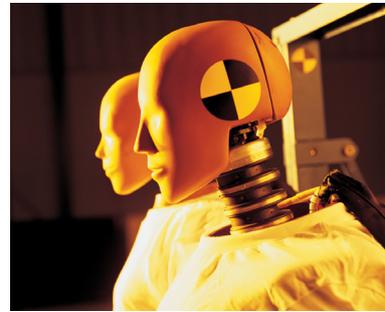
Dahl Docking Station - MK II System

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Vehicle make	Vehicle model	Position of shoulder belt anchorage	Floor mount type	For b-pillar			MK II	
				Amount docking stations	Seat base	Shoulder belt anchorage		
Citroën	Berlingo, Tripod/allied dropfloor conversion	C	surface				502181	
		C	flush				502182	
	Vivaro X 82 & X 83	C	surface				502171	
		C	flush				502172	
	Jumper X	D	surface				502171	
		D	flush				502172	
		C	surface				502171	
		C	flush				502172	
	Peugeot	Boxer Y	RD	surface				502177
			RD	flush				502178
		Jumpy & Spacetourer KO, Freedom Drop Floor Conversion	B		1	0	0	503303
		B		1	0	1	503304	
	Fiat	Doblo high roof SWB & LWB	B		2	1	2	503305
			B		2	1	2	503306
C		surface				503302		
C		flush				503301		
D		surface				503121		
Ducato X250		D	flush				503120	
		C	surface				502171	
Scudo X270		C	flush				502172	
		W	surface				502179	
		W	flush				502180	
		C	surface				502171	
		C	flush				502172	
		RD	surface				502177	
Talento		RD	flush				502178	
	C	surface				502171		
	C	flush				502172		
	Ford	Transit Custom V362	C	surface				502171
C			flush				502172	
RD		surface				502177		
RD		flush				502178		
MAN	Transit V363	C	surface				502194	
		C	surface				503142	
	TGE 2017-	C	flush				503143	
		W	surface				503145	
Mercedes	Vito & V-Class W447	W	flush				503144	
		D	surface				502171	
		D	flush				502172	
		B		2	1	2	502163	
		B		2	1	0	502164	
		B		1	0	1	502165	
	Sprinter 906 & 907	B		1	0	1	502166	
		B		1	0	0	502167	
		B		1	0	0	502168	
		C	surface				502171	
		C	flush				502172	
		RD	surface				502177	
		RD	flush				502178	
		B		2	1	2	501970	
Sprinter 910	B		1	0	1	501971		
	B		2	1	0	502034		
	B		1	0	0	502035		
	W	surface				502175		
	W	flush				502176		
	D	surface				502171		
	D	flush				502172		
	W	surface				502175		
	W	flush				502176		
	D	surface				502171		
Nissan	NV 200	D	flush				502172	
		W	surface				503197	
	NV 300	C	surface				502171	
		C	flush				502172	
	NV 400	D	surface				502171	
		D	flush				502172	
		B		2	1	2	502039	
		B		2	1	0	502041	
		B		1	0	1	502042	
		B		1	0	0	502043	
	Primastar	C	surface				502181	
		C	flush				502182	
		C	surface				502171	
		C	flush				502172	
Opel	Combo High roof SWB & LWB	D	surface				503121	
		D	flush				503120	
	Movano X 62	B		2	1	2	502039	
		B		2	1	0	502041	
B		1	0	1	502042			

SYMBOLS: B-pillar = B / C-pillar = C / D-pillar = D / Window frame = W / Rear door = RD

WHERE SAFETY STARTS



Development and crash-test centre
Where safety starts

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