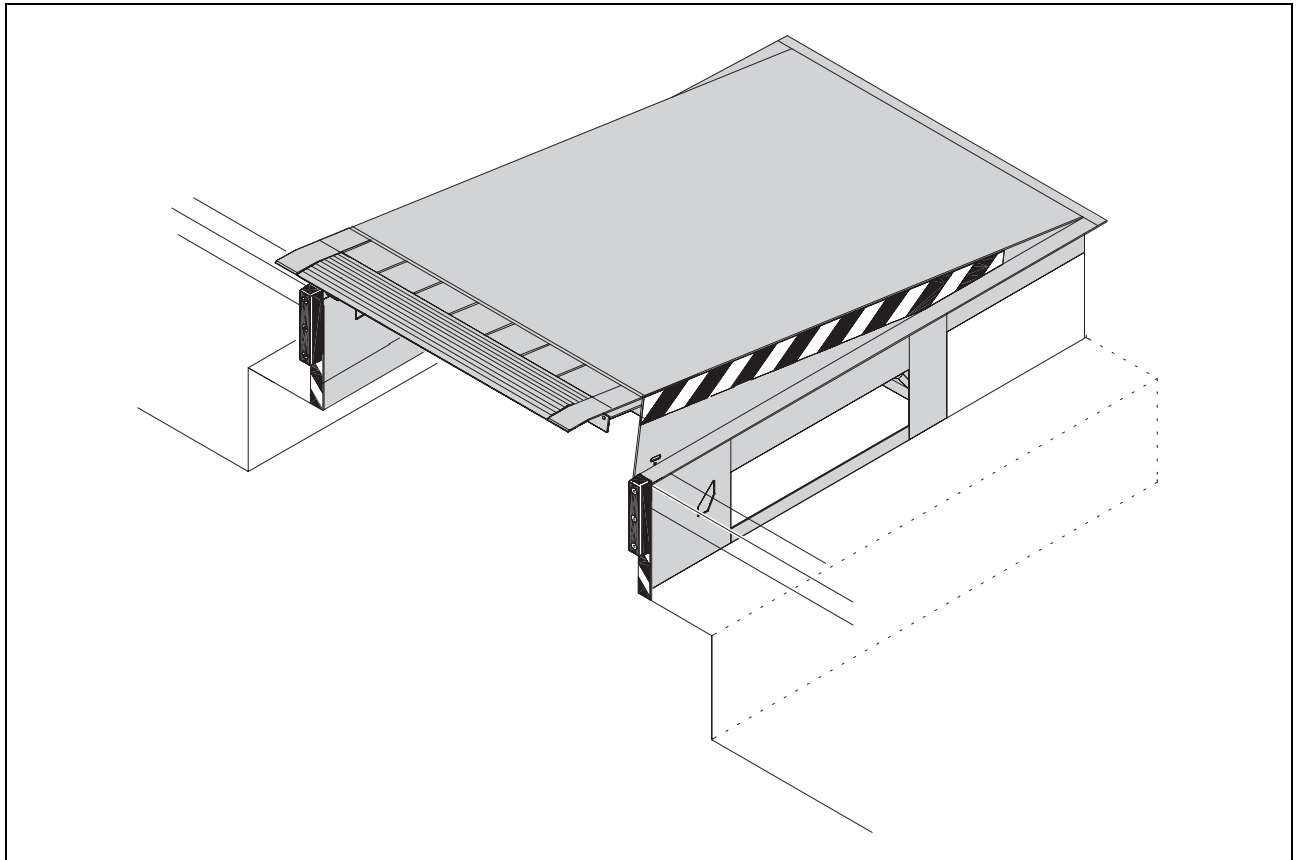


Product data sheet

Hydraulic Dock Leveller with Telescopic Lip

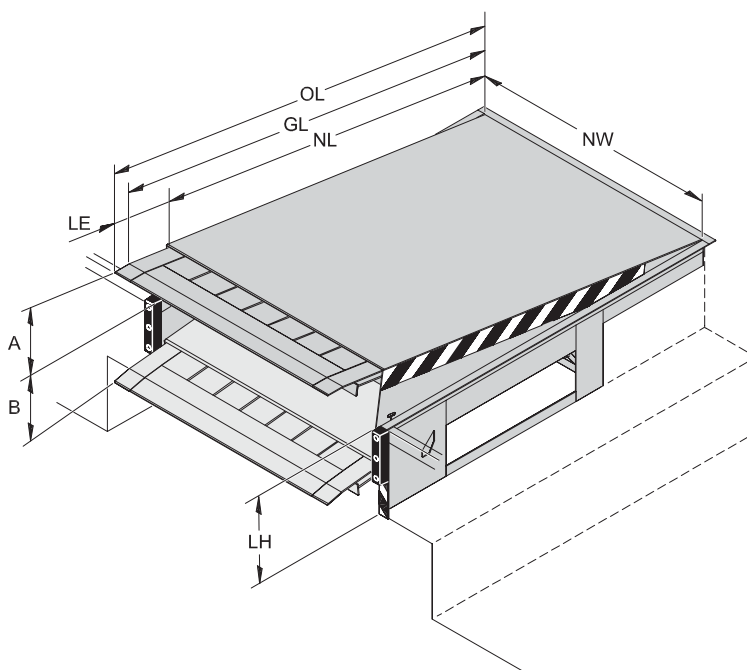
	TeleDOCK	
Package / Article no.	CLASSIC	A4100107
	ADVANCED	A4100108
	SUPER	A4100109



Stationary Dock Leveller with Telescopic Lip

The stationary dock leveller with telescopic lip incorporates the most recent developments in our proven range of hydraulic telescopic lip levellers. The lip can be finitely positioned on the docking vehicle, this is particularly beneficial when unloading or loading the rearmost pallets or goods. Three versions of the lip are available to cater for the widest variations in loading situations.

The dock leveller can be supplied in a range of integrated frames designed to best suit the application, whichever option is selected the benefits associated with this type of design, such as consistent clearance between leveller frame and platform and ease of installation can be enjoyed. The rated load capacity allows for the most unfavourable application of that load under normal use. The new features of this leveller ensure it complies with the new European EN 1398 standard.



- NL nominal length
- NW nominal width
- OL overall length (NL + LE)
- GL gradient length (OL - 140)
- LE lip extension
- LH leveller height
- A level equalisation above dock
- B level equalisation below dock

According to EN 1398 the dock leveller is not allowed to be operated outside the permissible gradient range of $\pm 12.5\%$ (approx. $\pm 7^\circ$). The gradient range may only be exceeded if the operator ensures that the danger of slipping has been eliminated (for example due to dry and clean surfaces).

Dock levellers		CLASSIC, ADVANCED, SUPER			
		LE=500		LE=1000	
NL	LH	A	B	A	B
2000	600	300	320	370	380
	700	310	400	380	460
2500	600	380	300	440	330
	700	380	400	450	450
3000	600	370	290	420	320
	700	450	400	520	450
3500	800	520	400	590	450
4000	900	590	400	660	480
	1150	500	700	540	760
4500	900	490	400	540	450
	1150	500	700	550	750
5000	1200	480	700	520	750

Nominal width (NW) 1750, 2000, 2200 2400 for all sizes All sizes in mm.

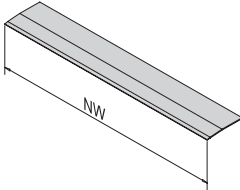
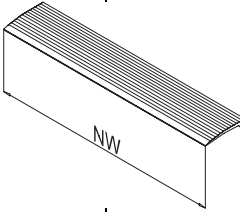
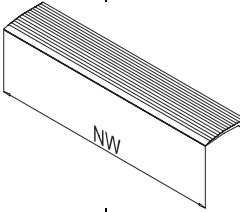
Load capacity for all sizes: 60 kN

Package

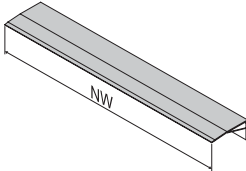
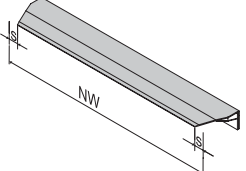
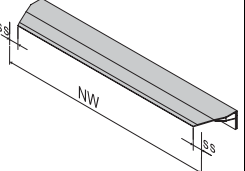
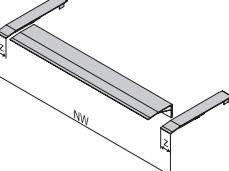
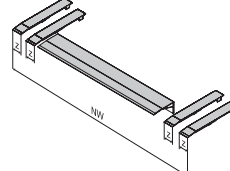
		CLASSIC	ADVANCED	SUPER
telescopic lip	steel	■	■	—
	aluminium	□	□	■
control unit	SuperVISION 205A	■	—	—
	SuperVISION i205	□	—	—
	SuperVISION i305	□	—	—
	SuperVISION i400	—	■	■

■ = standard □ = option — = not available

Telescopic lip material





CLASSIC / ADVANCED	CLASSIC / ADVANCED	SUPER
 <p>■ steel</p>	 <p>□ aluminium</p>	 <p>■ aluminium</p>

Lip options for all packages*

 <p>standard</p>	 <p>tapered; s=100 mm</p>	 <p>tapered; ss=150 mm</p>	 <p>2 retracting tongues; z=140 mm</p>	 <p>4 retracting tongues; z=140 mm</p>
---	--	---	--	---

*) Drawings are shown as steel models.

Control units

CLASSIC			ADVANCED / SUPER
			
■	□	□	■
SuperVISION 205A	SuperVISION i205	SuperVISION i305	SuperVISION i400
A	A	A	A
	i	i	i
		T	T
			LCD

■ standard □ option

A Infrared Interface*
 Maintenance Indicator
 hafa-Memory*
 Onboard Diagnosis (OBD)
 Auto button

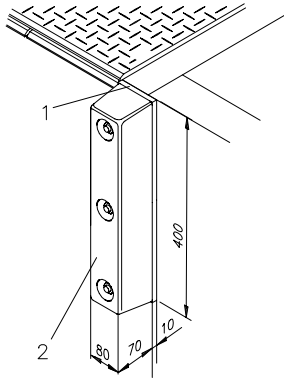
i Integrated Real-time Clock
 3-digit Display
 BUS-Network Interface
 Safety options: automatic return, integrated hafaEYE and wheel chock

T Integrated Door Control

LCD Display
 Online User Manual, 15 languages
 Online Status Indicator

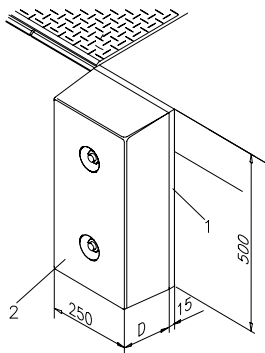
*) not available with SuperVISION i400

Buffer options



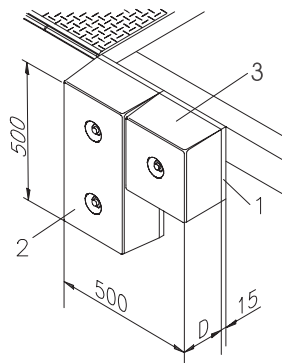
RS: Buffer HxWxD = 400x80x70

- 1 plate (galvanized)
- 2 Buffer 400x80x70



RB: Buffer HxWxD = 500x250xD
 (D=140 mm o. D=90 mm)

- 1 plate (galvanized)
500x250x15
- 2 buffer 500x250xD

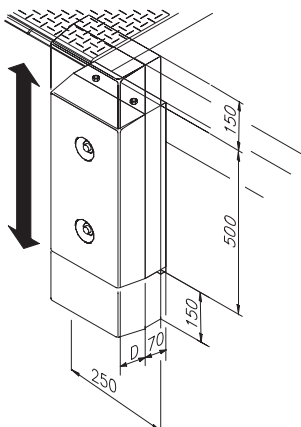


RB: Buffer HxWxD = 500x500/250xD
 (D=140 mm o. D=90 mm)

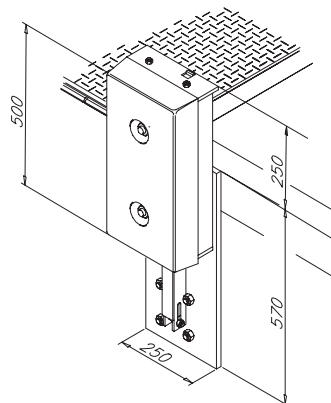
- 1 plate (galvanized)
500x500/250x15
- 2 buffer 500x250xD
- 3 buffer 250x250xD

Buffers - a small but cost saving device!

In order to fully absorb the energy of an in-docking vehicle, the loading bay rubber buffers must have the correct specification. Damage to loading bay or building is often expensive and can be reduced or avoided by having the right buffers. It is better to overspecify than underspecify the rubber capacity!



EBF : Floating Buffer
 (D=140 mm o. D=90 mm)



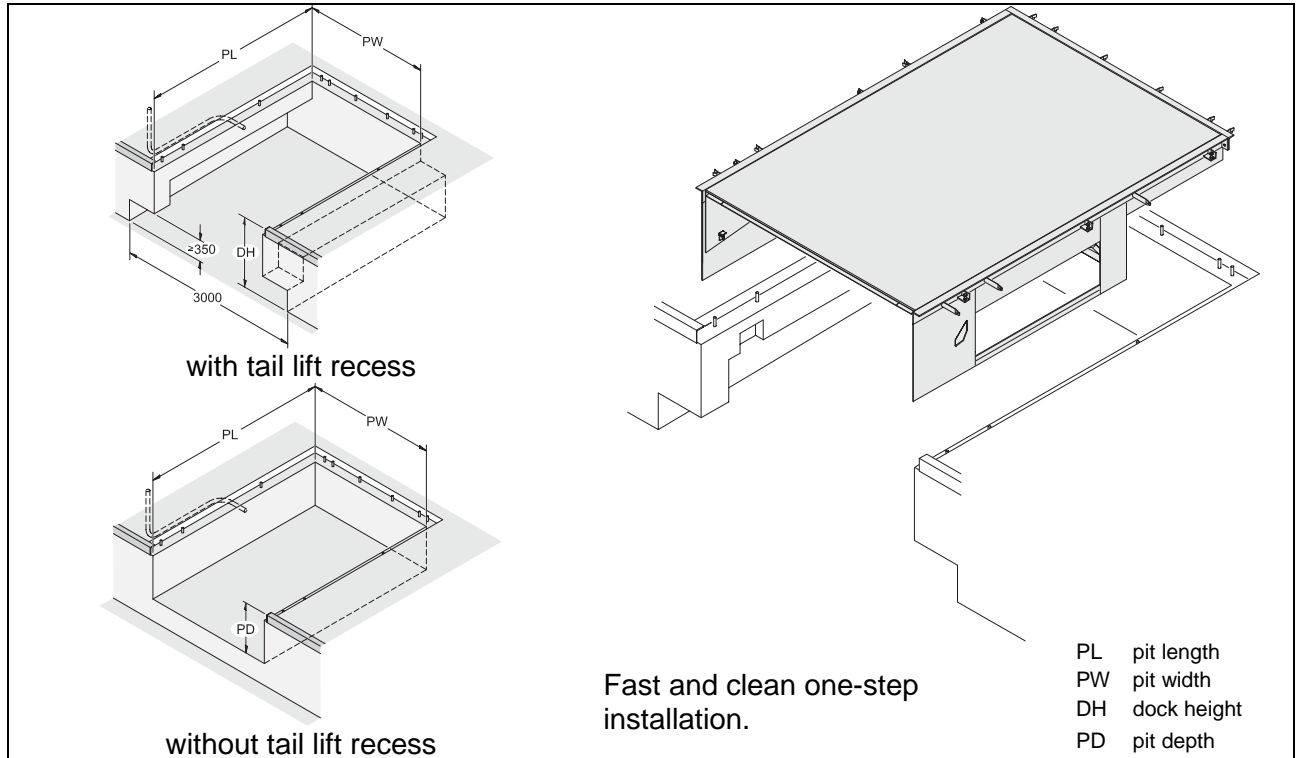
EBH :Height adjustable Buffer
 (D=140 mm o. D=90 mm)

Moving buffers - extended lifetime

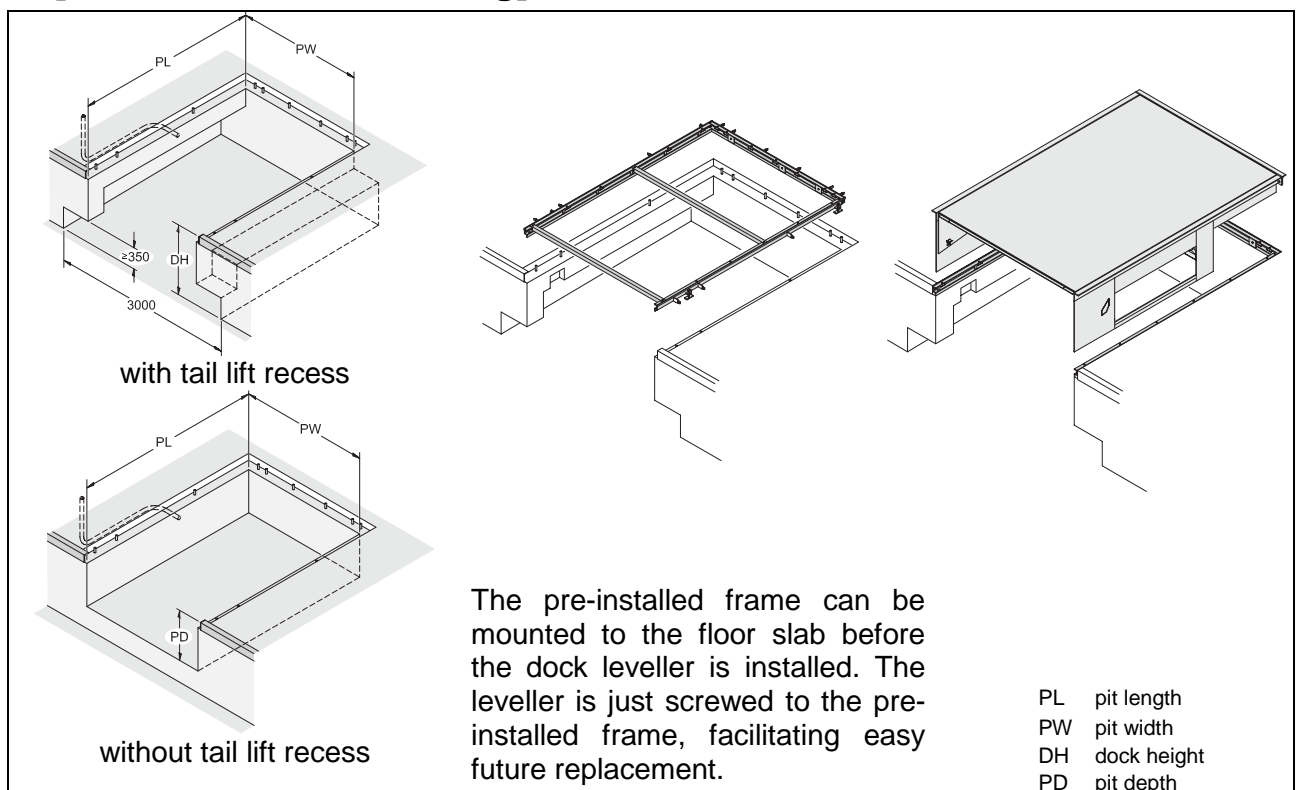
During loading and unloading, a vehicle moves vertically all the time, creating wear on fixed rubber buffers - and on the vehicle itself. The hafa-moving buffers follow the vertical movements, thereby eliminating unnecessary wear and tear!

Pits

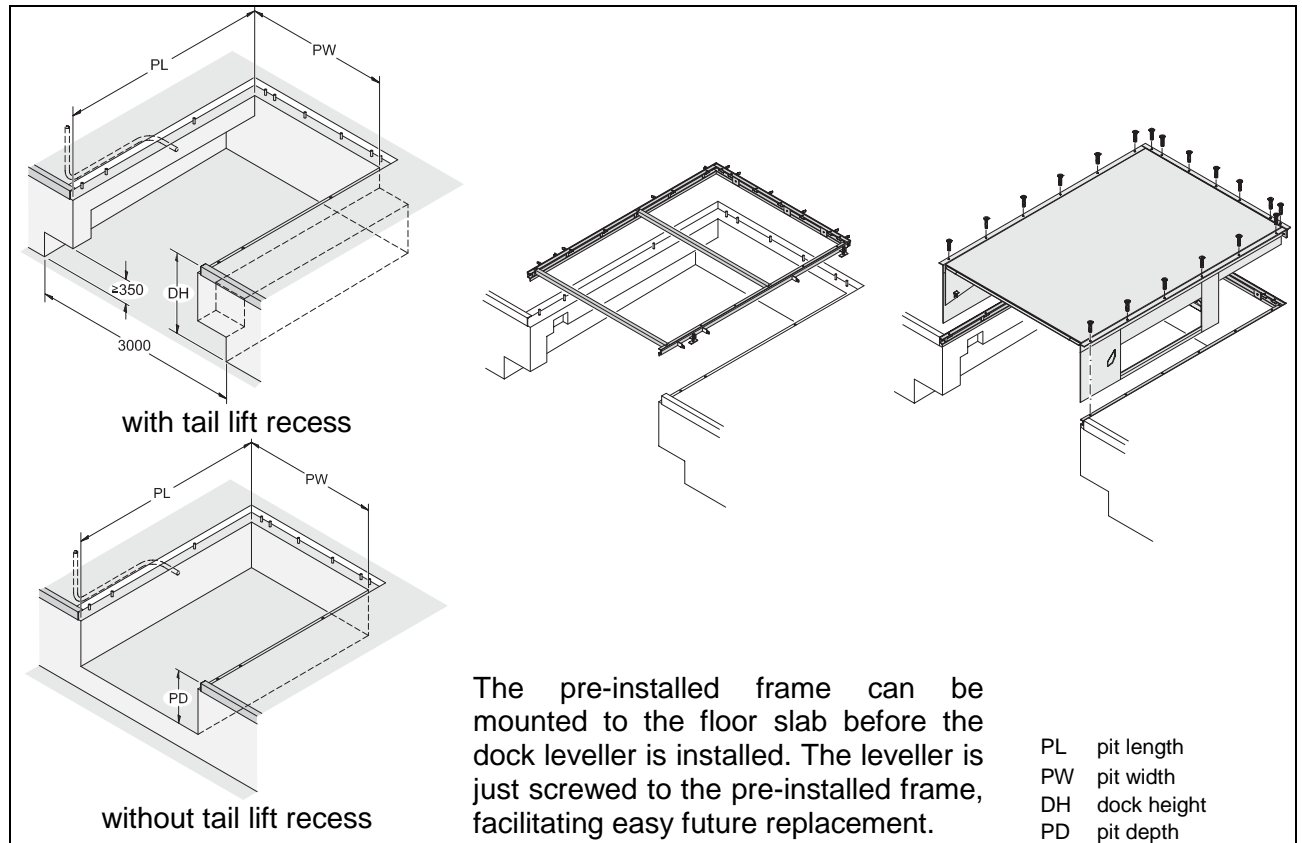
T [leveller frame for embedding in concrete]



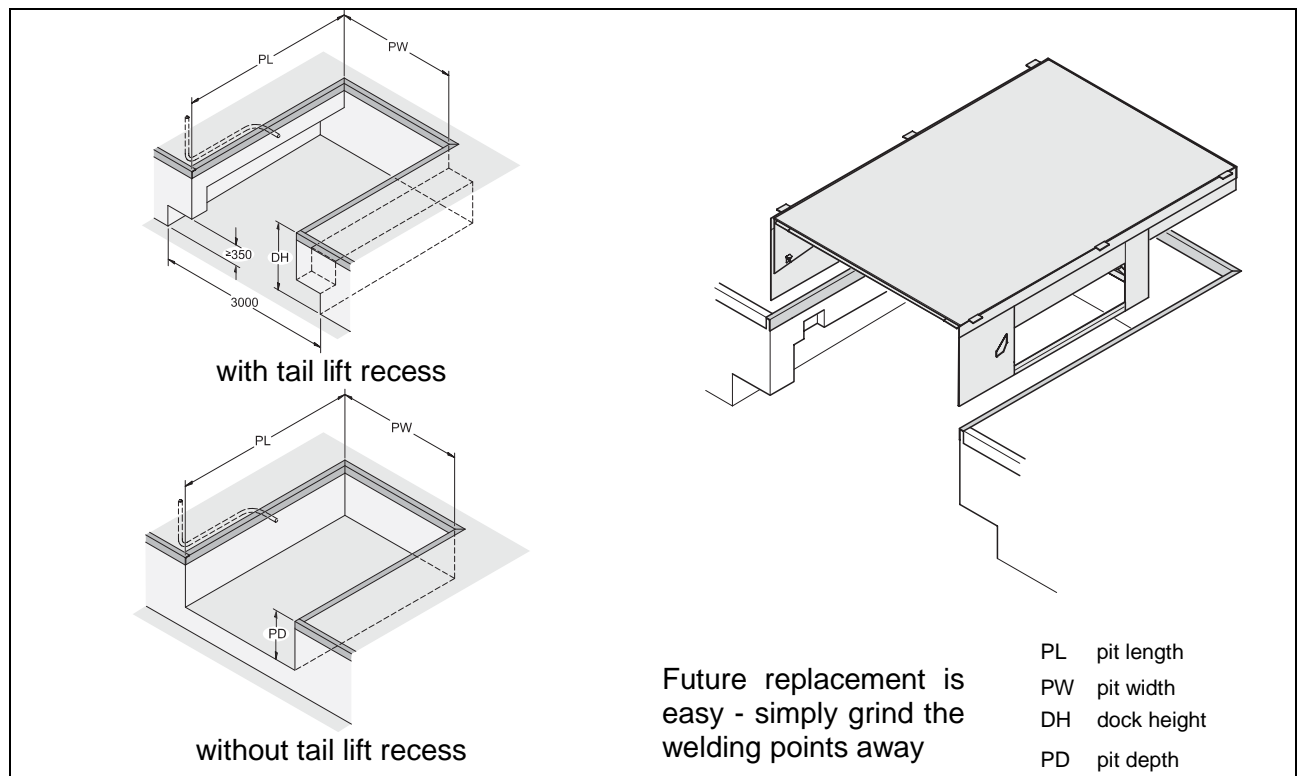
W [leveller frame for welding]



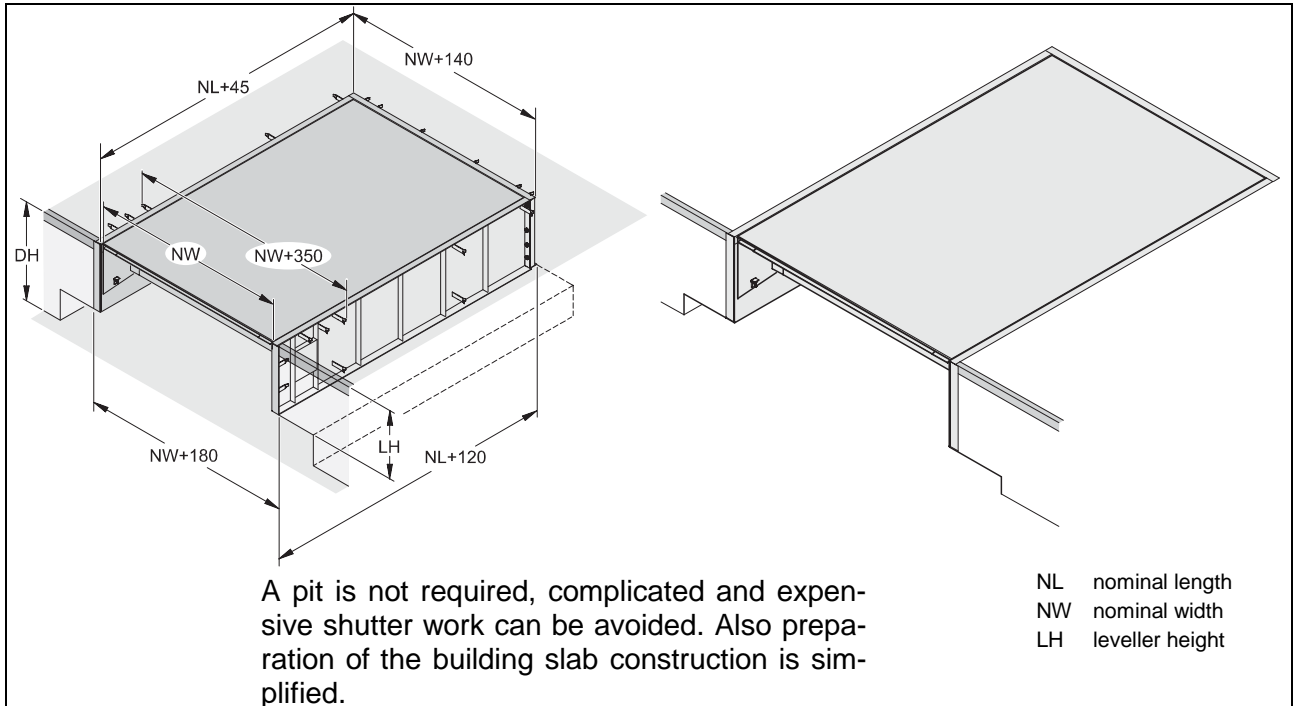
H [leveller frame for screwing]



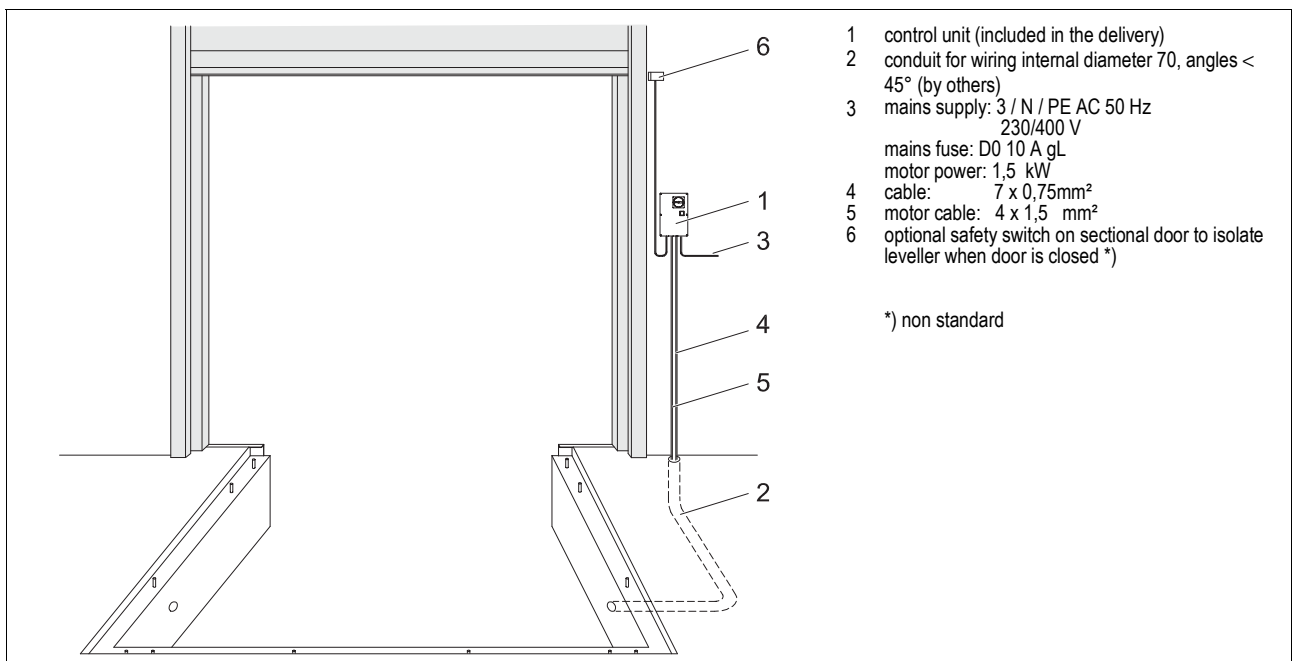
F [flat frame for welding]



B [box-frame]



Electrical preparations



OPTIONS	BASIC	CLASSIC	ADVANCED	SUPER
Frames – connection to building				
T-Frame [hafa standard]	-	■	■	■
H-Frame [hafa frame for screwing]	-	□	□	□
W-Frame [hafa frame for welding]	-	□	□	□
F-Frame [hafa flat frame for welding]	-	□	□	□
B-Frame [hafa box frame]	-	□	□	□
Lip options				
Aluminium lip	-	□	□	■
Lip length 500 mm	-	■	■	■
Lip length 1000 mm	-	□	□	□
Retracting tongues	-	□	□	□
Lip tapered	-	□	□	□
Steel lip bevelled, 100 mm	-	□	□	-
Surface				
Standard colour RAL 5010	-	■	■	■
Extra colour	-	□	□	□
Hot galvanized	-	□	□	□
Energy & Ergonomics				
EPDM seal	-	□	□	□
40 mm platform insulation	-	□	□	□
Slip Protection	-	□	□	□
Noise Reduction	-	□	□	□
Control Options				
Integrated door control	-	□	■	■
Integrated dock shelter control	-	□	■	■
Integrated door / dock shelter control	-	□	■	■
Limit switch cross traffic position	-	□	■	■
Auto retraction	-	□	□	□
Voltage 400 V	-	■	■	■
Voltage 230 V	-	□	□	□
Cable harness, 7m	-	■	■	■
Cable extension	-	□	□	□
Infrared Interface	-	■	-	-
LCD display	-	-	■	■
Online user manual, 15 languages	-	-	■	■
On/off dock shelter control	-	□	■	■
Hydraulic Equipment				
Low noise hydraulic unit	-	■	■	■
Three hydraulic cylinders	-	■	■	■
Low temperature oil	-	□	□	□
“BIO” oil (Environment)	-	□	□	□

OPTIONS	BASIC	CLASSIC	ADVANCED	SUPER
Safety Options				
hafa SafeGuard	-	■	■	■
Automatic return in cross traffic position	-	□	■	■
Auto button	-	■	■	■
Mains isolator, emergency stop	-	■	■	■
Emergency stop push button	-	□	□	□
External emergency stop push button	-	□	□	□
hafaEYE	-	□	□	□
Wheel chock	-	□	□	□
Service Options				
Maintenance indicator	-	■	■	■
Failure code and memory	-	■	■	■
Dock Management				
BUS Network Interface	-	□	■	■
hafa OPC Server	-	□	□	□
hafa Visual, Facility Management Software	-	□	□	□
Dock Management Software	-	□	□	□
Equipment				
Buffer RB and RS [rubber buffer]	-	□	□	□
Buffer EBH, [height adjustable buffer]	-	□	□	□
Buffer EBF, [floating buffer]	-	□	□	□
Traffic light	-	□	□	□

■ = standard □ = option - = not available