

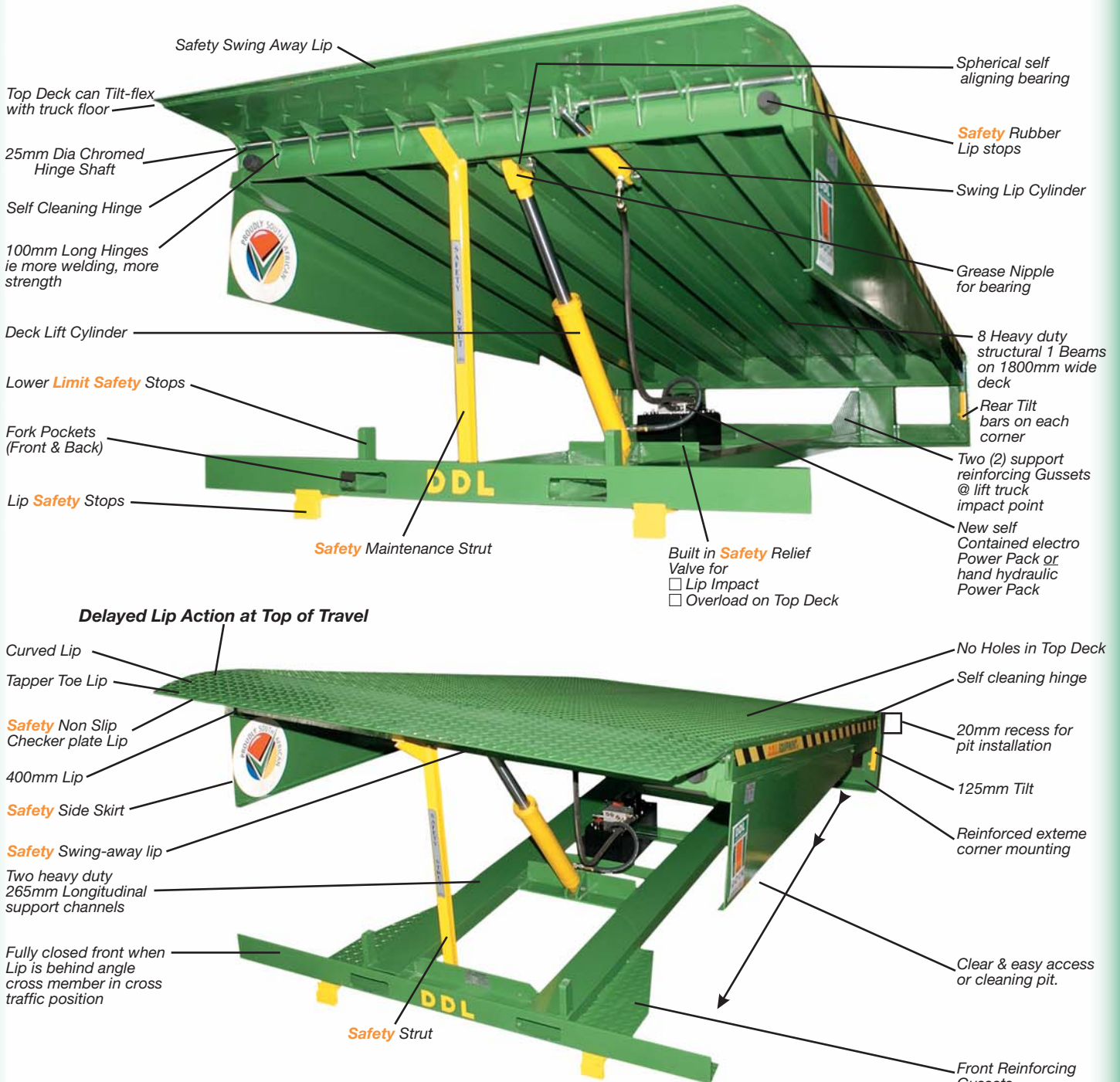
# THE NEW GENERATION

## MARK II

Two (2) Hydraulic Cylinders  
1 Swing Lip  
1 Deck Lift

"Simply" Loaded  
with features

# DOCK LEVELLER



### Features

- No Moving parts
- No mechanical linkages
- No troublesome ratchets, springs or cables
- No critical or frequent adjustments ie: little maintenance required
- Shallow pit
- Inexpensive Pit construction
- Burglar proof front
- Positive cross-traffic

- Simple, but bigger
- Made in R.S.A.
- Country wide service back-up
- Easy Installation
- Full 10,000 kg capacity, optional 15 and 20 tonnes
- Completely assembled, ready for installation



# The New Generation **MARK II**

# Technical Data

## Dock Leveller

### CAPACITY 10 TONNE

- ROLL OVER
- DYNAMIC LOADING
- CROSS TRAFFIC

*"Ensure that the truck, dock and loading equipment are compatible"*

### LIFT TRUCK/GRADE CONSIDERATION

- 1 in 10 or 10% should be maximum gradients.
- Load shift and damage caused by steeper gradient.
- Load striking container or truck roof when entering.
- Speed of loading.
- Bounce factor when unloading.

### HANDLING EQUIPMENT CONSIDERATION

- Capacity & mass of equipment.
- Backward tilt of handling equipment.
- Wheelbase of equipment.
- Under clearance of equipment.
- Angle of approach of equipment.
- Angle of departure of equipment.
- Wheel diameter of equipment. (ie) axle loading)
- Load projects forward of equipment.

### TOP DECK WIDTH CONSIDERATION

Remember that the load or the first two pallets at the rear opening of the vehicle does not need the use of a dock leveller. The fork lift truck simply removes them. The dock leveller is actuated to facilitate the rest of the offload (or loading).

Standard Deck Width of 1830mm:

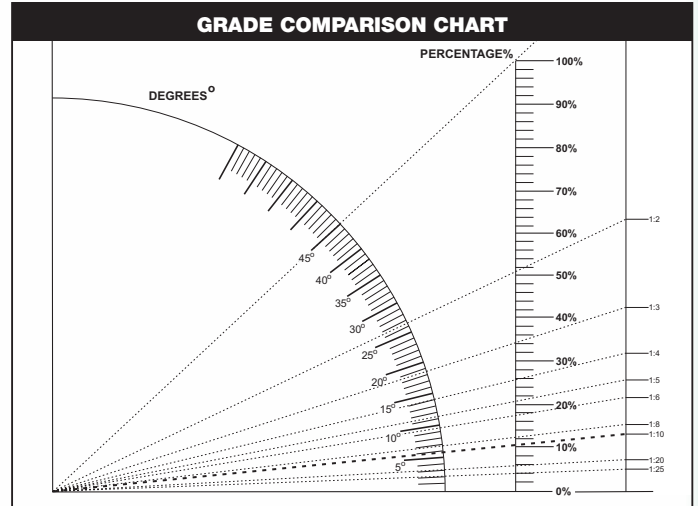
- Dock leveller will accommodate all internal door aperture of rigid vehicle from 4 - 12 tonne 1900 - 2300mm opening I.D.
- Containers on semi trailers - 2300mm I.D.
- Refrigerated trucks & semi trailer vary between 2200 - 2400mm I.D.

**Alternative deck width of 2130mm:** Special applications ie> slip sheet. attachment long powered pallet trucks and automatic loading. Truck spotting/berthing ie. reversing must be accurate and truck guides must be used.

### DOCK AREA CONSIDERATION

- Dock Height** - For general rigid truck - 1200mm.  
 - For semitrailer, containers on trailer and refrigerated trailers 1350mm minimum.
- Vehicle apron/yard area** - Distance from edge of dock to opposite obstruction ie. fence, curb or building should be twice the length of longest vehicle
- Vehicle berth/parking** - 3.6m to 4.5m centre Grades.  
 - Yard should be graded away from dock edge.  
 - If grading toward dock is necessary, drainage must be provided.
- Dock and building damage** - Special attention to prevent damage to walls, doors etc. by providing bumpers on concrete dock walls and allow for overhang if grade is towards dock.
- Truck guiding** - Yellow lines spaced 2500 apart down dock wall and along length of yard.  
 - Tubular truck guide frames - 3m long.  
 - Concrete curbs.

Customer \_\_\_\_\_  
 P.O.Box \_\_\_\_\_  
 \_\_\_\_\_ Code \_\_\_\_\_  
 Model \_\_\_\_\_  
 Job \_\_\_\_\_  
 Bumper type \_\_\_\_\_  
 Approved for Construction \_\_\_\_\_  
 Date \_\_\_\_\_



DOCK LEVELLER SELECTION CHART							
Overall Length	MINDOCK		Dock Leveller			Special Length	Maximum recommended grade
	800mm	1000mm	1800mm	2400mm	3000mm		
Maximum height differential in millimetres between dock and truck bed floor	50mm	6.25% 1 in 16	5% 1 in 20	2.9% 1 in 36	2.3% 1 in 43	1.8% 1 in 55	* Hand Trolleys * Rolltrains * trucks * Electric pallet truck * Electric lift * ±10%
	75mm	9.4 1 in 10.6	7.5% 1 in 13.3	4.1% 1 in 24	3.9% 1 in 32	2.5% 1 in 40	
	100mm	12.5% 1 in 8	10% 1 in 10	6.6% 1 in 35	4.7% 1 in 21	3.7% 1 in 27	
	150mm	18.8% 1 in 5.3	15.6% 1 in 6.6	10.8% 1 in 9.2	7.1% 1 in 14	5.5% 1 in 18	
	200mm	25% 1 in 4	20% 1 in 5	13% 1 in 7.5	9.5% 1 in 10.5	7.4% 1 in 13.5	
	250mm	-	-	16.6% 1 in 5	11.9% 1 in 8.4	9.25% 1 in 10.8	
	300mm	-	-	20% 1 in 5	14.3% 1 in 6	11.1% 1 in 9	
	350mm	-	-	23.3% 1 in 4.2	16.7% 1 in 6	13% 1 in 7.7	
	400mm	-	-	26.6% 1 in 3.7	19.1% 1 in 5.2	14.8% 1 in 6.7	
	450mm	-	-	30% 1 in 3.3	21.5% 1 in 4.6	16.6% 1 in 6	

◀ Unless otherwise noted, dimensions are millimetres rounded to the nearest whole number. Figures indicated, while true, have been compiled for rough planning. For specific guidelines, consult DDL.

• Donates standard model.

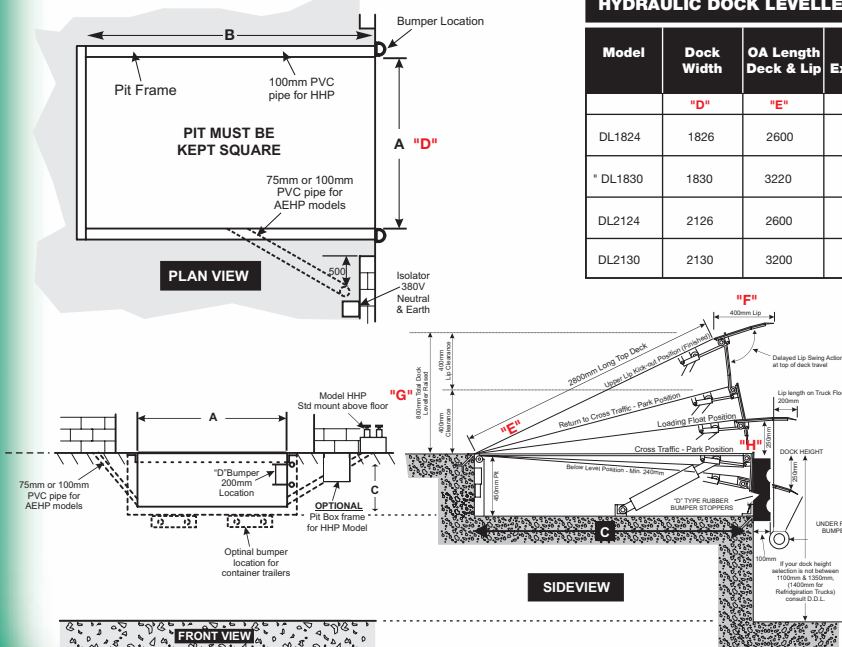
### HYDRAULIC DOCK LEVELLER DIMENSIONS AND CAPACITIES

Model	Dock Width	OA Length Deck & Lip		Lip Extension	Deck Travel		Rollover & Crossover Capacity
		"D"	"E"		"G"	"H"	
DL1824	1826	2600	400	800	250	10 000	
* DL1830	1830	3220	400	800	250	10 000	
DL2124	2126	2600	400	800	250	10 000	
DL2130	2130	3200	400	800	250	10 000	

### PIT CONSTRUCTION DIMENSIONS

Model	Pit Width	Pit Length	Pit Depth
DL1824	1880	2120	445
" DL1830	1880	2820	445
DL2124	2180	2120	445
DL2130	2180	2820	445

DDL products are subject to design improvements through modification without notice



**DDL EQUIPMENT** **D.D.L. EQUIPMENT cc**

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**DOCK DESIGN & LAYOUT**

"The Bridge That Links The Total Materials Handling Systems Together"