



# B441

## FOUR POST LIFT

### TECHNICAL SPECIFICATION

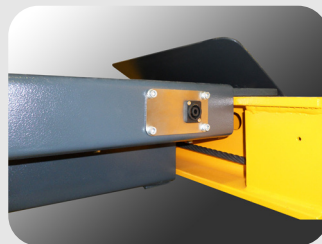
The new Boston B441 is sure to impress. With almost two years in development, every aspect has been carefully evaluated and designed to produce the most sturdy and feature-packed lift in the market today.

The B441 should be the first choice lift for Class 4 / 7 MoT testing stations. Its sturdy design exudes quality and strength, whilst the new modern hi-tech control system provides slick, ease of use for the operator. With 5.60m length platforms (4.65m optional), it is one of the most adaptable MoT lifts in the market. It comes as standard with the flexibility of adding our unique APC (Any Post Control) system allowing the operator to connect a small auxiliary keypad to any other post in addition to the main control keypad. Recessed radius turning plates and integrated hydraulic play detectors (controlled by remote torch and main control panel) can also be fitted during installation or added at any point in the future to meet the one man testing regulations as specified by VOSA.

## Control System

The B441 Control System is unique in many respects. It is designed and manufactured entirely by Boston in the UK and contains features not found on other lifts. See below.-

- Membrane Keypad Control Panel - modern and attractive with LED indications
- PLC controlled and reprogrammable for future software upgrades
- Optional APC (Any Post Control) - a secondary magnetic control panel that can be easily connected to any other post
- Optional PD303 hydraulic play detectors fitted to both platforms
- Optional remote control torch to operate both the lift and PD303 play detectors \*
- Optional control of motor-powered jacking beam \*
- Optional under-vehicle lighting kit \*
- One-touch-up operation - the operator simply sets the preferred working height switch \*



\* - features built into software but awaiting approval prior to activation



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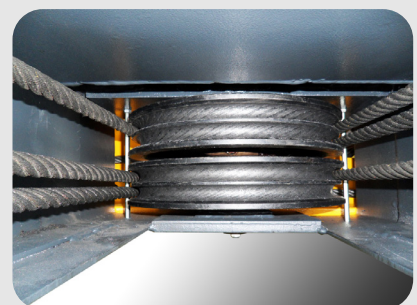
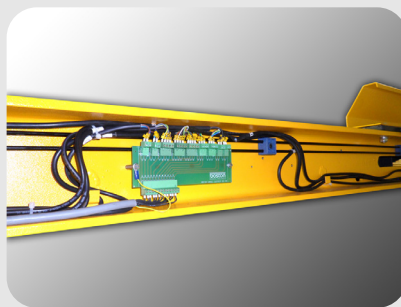
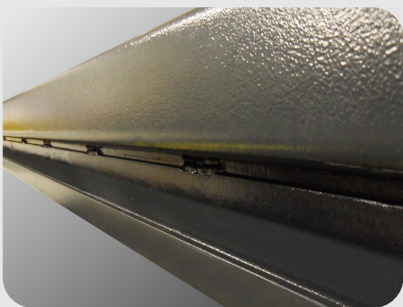
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## Lift Construction

The lift construction is sturdy and strong, incorporating large 140mm I-Beam load carrying crossbeams with similar design platform structure. Each crossbeam is fitted with heavy duty pulley's and high quality electric solenoid locks to ensure safe and reliable operation. In the event of any cable failure the rope slack detection switches are activated and the eccentric safety locking mechanism engages to ensure the lift cannot fall.

Each platform contains a reinforced recess area which can be fitted with play detectors and turning plates, but similarly there are blanking plates available for non-MoT service applications. At each end of the platforms, there are IP66 rated electrical connections that enable the fitment of the APC (Any Post Control) secondary keypads. The APC keypad will allow full control of the lift from whichever corner it is fitted to, an excellent time-saving feature, especially when working at the opposite side to the main controls. If the APC is not fitted, the sockets can also be used as standard 24VDC supply sockets for Boston's standard inspection lamps.

Paintwork on all parts of the lift has had careful attention utilising the latest in polymer polyesters to provide the highest quality durable finish.

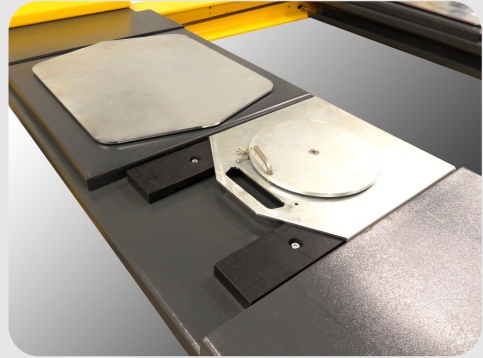
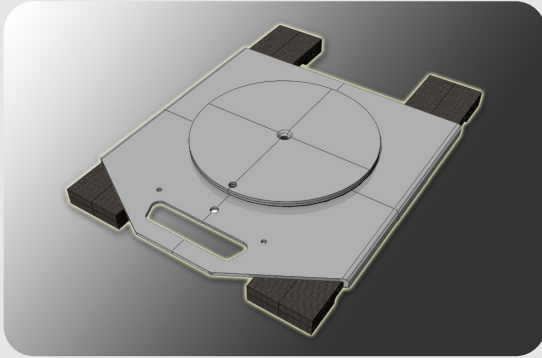


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## Turning Plates

The B441 accommodates our new turning plates BRTP2. These plates have been developed specifically for our new range of MoT lifts and slide on nylon runners thus avoiding metal on metal contact with the lift platform. This ensures reliability and prevents paint scratching and eventual rust formation. Furthermore, the turning plates are heavily plated to prevent corrosion, and utilise steel bearings to ensure smooth reliable operation under heavy loading.



## PD303 Play Detectors

The PD303 wheel play detectors have also been developed specifically for our B441 and B461 MoT lifts. The system consist of two moving plate assemblies fitted at the front of both platforms. The N/S play detector performs the rotational movement and the O/S carries out the lateral movement. Both plates exceed the VOSA specification. The PD303 is simple to install and is supplied with a remote control torch for under-vehicle operation. In the event of control failure or damage, the PD303 can also be operated using the PD control functions on the main lift keypad.



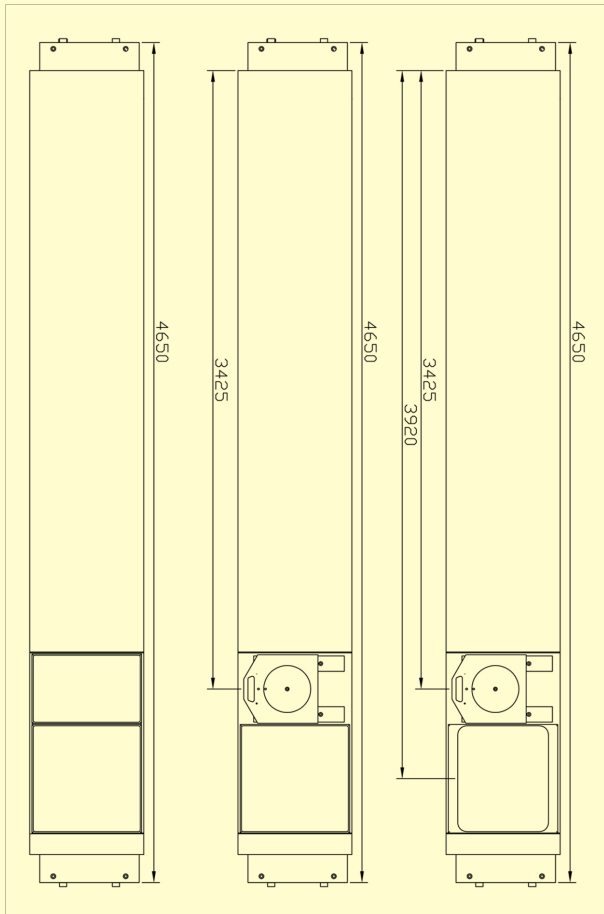
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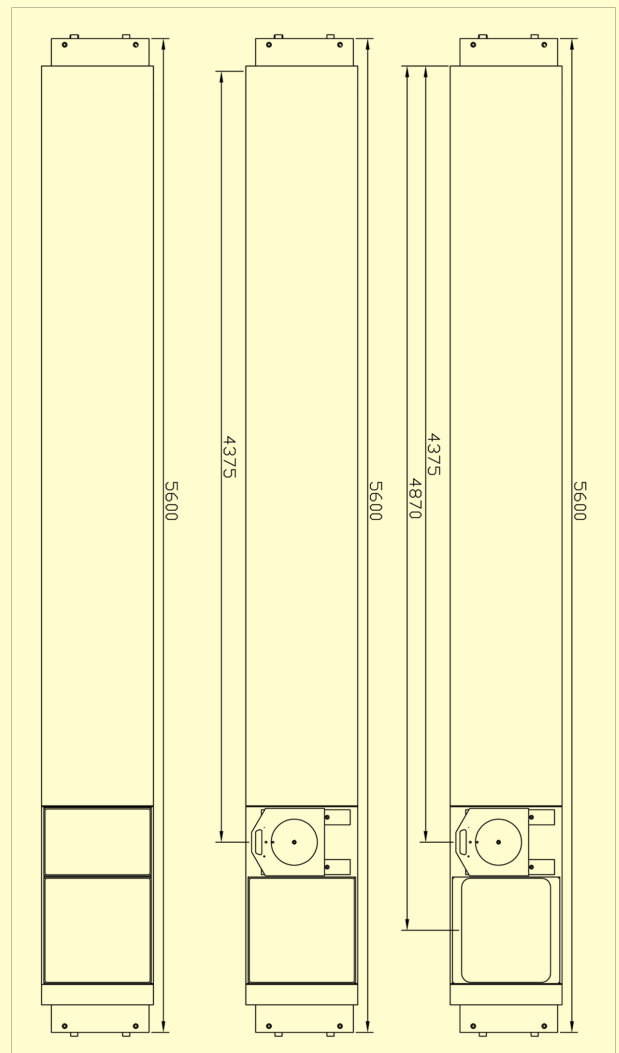
# Technical Specifications

- Power: 400V - 2.6 Kw
- Max load capacity: 4 Tonne
- Total lift width: 3185 mm
- Lowered Platform height: 170 mm
- Max lifting height: 1900 mm
- Platform width: 630mm
- Between platforms: 860-900 mm
- Lifting time (loaded): 41 seconds
- Lowering time (loaded): 36 seconds
- Oil type: ISO32
- Oil quantity: 12 lt
- Max hydraulic pressure: 220 bar
- Total weight: 1220 / 1320 kg
- Quantity floor fixings: 16
- Recessed radius turning plates
- Cross beam pulley covers
- Play detector blanking plates
- Auto lock system on each post
- Internally mounted lock solenoids
- Air points on post and crossbeam
- 24V inspection lamp outlet

**B441-465**



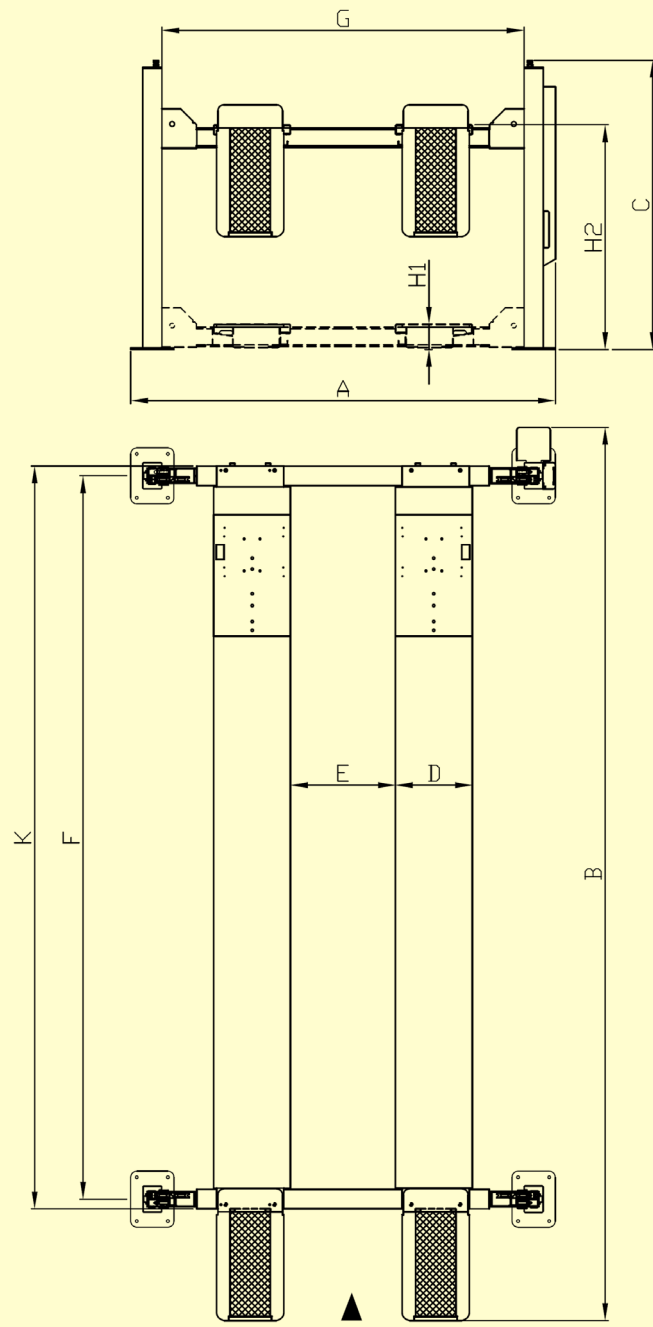
**B441-560**



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# Lift Dimensions



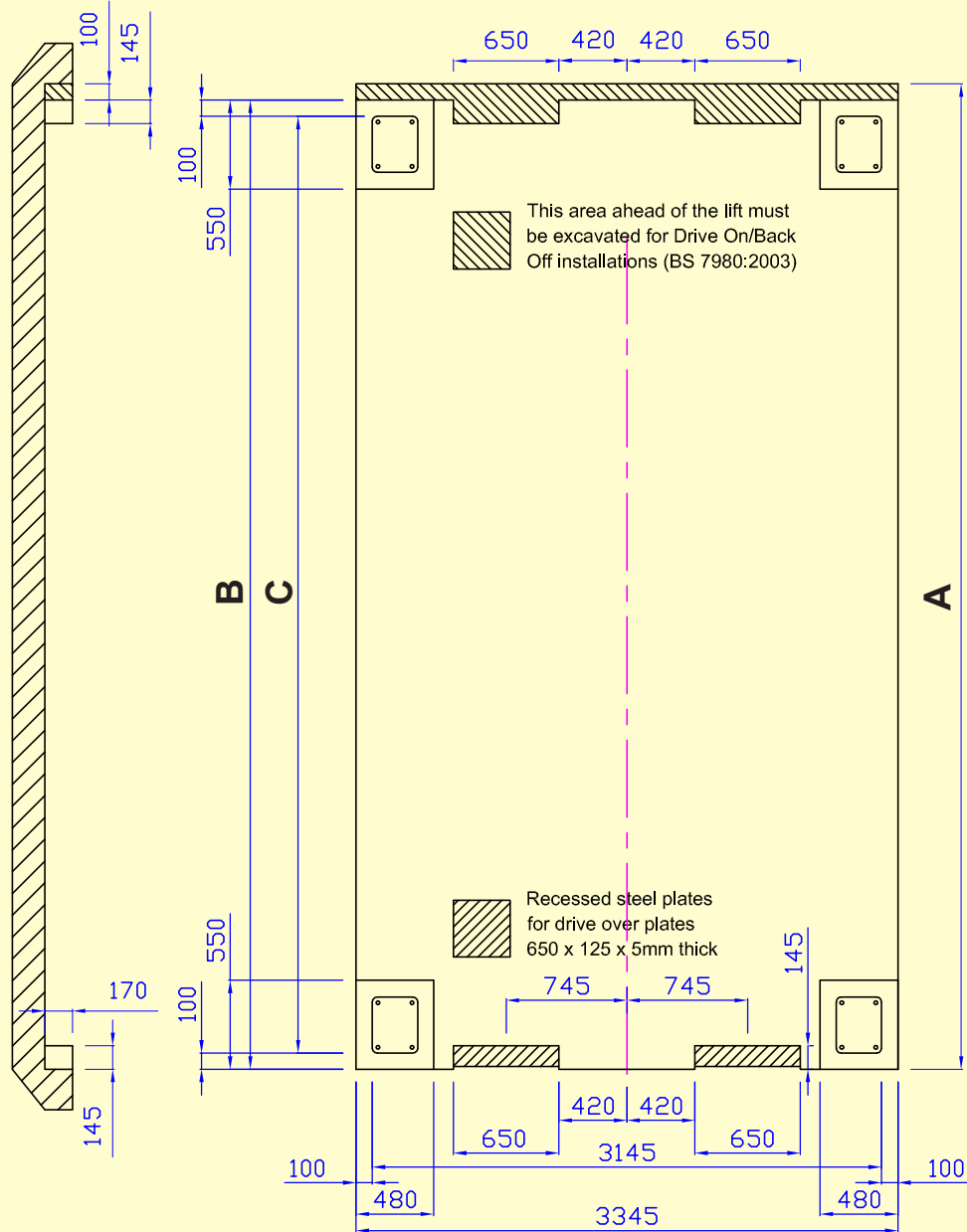
MODEL	A	B	C	D	E	F	G	H1	H2	K
B441-465	3185	5730	2370	630	860/900	4490	2706	170	1900	4650
B441-560	3185	6680	2370	630	860/900	5440	2706	170	1900	5600



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# Installation Recess Dimensions



MODEL	A	B	C
B441-465	5135	5035	4835
B441-560	6085	5985	5785



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