

## Automatic Pallet Forks

### Model - IPF

### Description



The **Automatic Pallet Forks** effectively convert an overhead crane into a pallet moving tool. There are many applications where fork trucks cannot be operated due to a lack of floor space for example high rise developments. These crane forks are equipped with adjustable forks, height adjustable and an automatic balancing system along with pre-fitted restraint net system (net supplied separately).

Item Code	Fork Length (mm)	Fork Cross Section (mm)	Fork Opening Range (mm)	Overall Height (mm)	Weight (Kg)	Load Capacity (Kg)
IPF-BOS-10-20	1000	100 x 35	300-1000	1800-2500	170	2000
IPF-BOS-12-20	1200	100 x 35	300-1000	1800-2500	190	2000

### Standard Features

- Spring loaded self-balancing head.
- Restraint Net Frame
- Ratchet strap for load securing
- Adjustable Height – Clear Height 1200-1900mm
- Adjustable Fork Widths
- Convenient Hand Holds.

### Optional Features

- Restraint net.



**INVICTA TECHNICAL FILE**  
**OPERATION, MAINTENANCE, & HEALTH AND SAFETY INSTRUCTIONS**  
**MODEL: PALLET FORKS**

#### Operation

1. Operate overhead crane / HIAB into position directly over the crane forks.
2. Place the crane/HIAB hook onto the lifting eye of the attachment.
3. Slacken the thumbscrews to position the forks at the widest possible distance apart to suit the pallet.
4. Retighten thumb screws onto rail ensuring that they are adequately tightened and secure.
5. With the pallet forks slightly raised, manually re-position the Pallet Forks to enter the pallet with the handles provided on the rear of the frame.
6. Operate overhead crane / HIAB to enter the forks fully into the pallet.
7. Once fully inserted into the load, place the safety strap around the load & secure.
8. Lift the pallet clear of the ground and slide restraint net underneath. Attach to the six net hoops on the frame. Always use a restraint net when lifting overhead.
9. When positioned correctly & secured, the load is ready for movement.

#### Maintenance

1. The Pallet Forks should be inspected weekly for general condition with attention paid to:
  - A – All weld points
  - B – Wear & distortion of thumb screws.
  - C – Any damaged components
  - D – Lock & latches
  - E – Pivot points
2. All bolts must be checked for tightness.
3. The pivot bars must be kept greased.
4. The spring should be oiled.
5. Check the restraint net for damage and replace if worn.
6. Damage or failure must be reported and rectified immediately prior to re-use of Pallet Forks.
7. General surface rusting especially in the critical areas should be treated with proprietary inhibitors, primers and paint on a regular basis.
8. This product is certified for six (6) months from the date of manufacture after which it is the customer's responsibility to have the product re-tested at an approved testing facility or inspected and logged in a register by a competent person as advised by the HSE.

#### Health and Safety

1. The manager of the department or section where the attachment is to be used must be responsible for ensuring the operators are fully conversant with the attachment, its operation & maintenance.
2. Ensure both the crane and attachment can handle the intended load and its contents.
3. Operators must keep clear of the mechanism whilst in operation.
4. Do not shock load the attachment under any circumstance.
5. In the event of failure during operation do not attempt rectification or re-operation while the attachment is off the ground. The attachment must be returned safely to floor level for inspection.

6. Never drive at the product at an excessive speed as this may result in injury to the driver and/or damage to the attachment and Fork Lift Truck.
7. Keep hands away from all moving parts.

**The Operator should ensure that the above product is used for the purpose that it has been designed, tested and intended to do and no deviation to this occurs. If in doubt, consult your crane dealer or approved attachment supplier.**