

Inspection protocol forks

Com. No. _____
 Lift truck type _____
 Serial No. _____
 Marking _____

Dimension of fork

- Width _____ mm / in
- Thickness _____ mm / in
- Blade length _____ mm / in
- Suspension _____

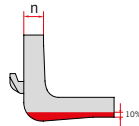
Note

As soon as the marking becomes illegible the fork must be withdrawn from service.

1. Wear

Nominal thickness „N“ - 10 %

⇒ **Replace!**



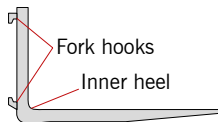
Wear mainly occurs in the outer heel section. Wear area „n“ - 10% = **Replace forks!**

Results OK
 NOT OK
 mm/inch Comments _____

2. Surface cracks

Crack detection

⇒ **Replace!**



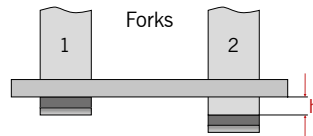
OK
NOT OK
 Comments _____

3. Height difference fork tip

Acceptable: h max. = $\frac{L^*}{66}$

Level fork: h = $\frac{L^*}{66}$ to $\frac{L^*}{33}$

Replace fork: h more than $\frac{L^*}{33}$



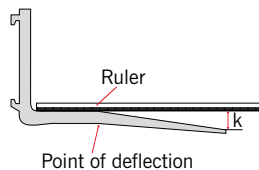
Results OK
 NOT OK
 mm/inch Comments _____

4. Deflection of blade

Acceptable: k max. = $\frac{L^*}{66}$

Level fork: k = $\frac{L^*}{66}$ to $\frac{L^*}{33}$

Replace fork: k more than $\frac{L^*}{33}$



Results OK
 NOT OK
 mm/inch Comments _____

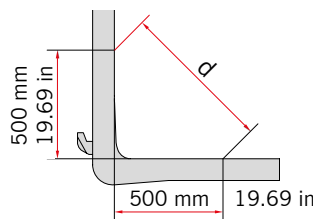
5. Angularity d

Ideal 90°: 707 mm / 27.83 in

Acceptable: 695-713 mm / 27.36-28.07 in

Level fork: 714-730 mm / 28.11-28.74 in

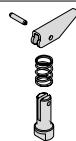
Replace fork: > 730 mm / > 28.74 in



Results OK
 NOT OK
 mm/inch Comments _____

Note: Sometimes forks are used with deviant angular dimensions for special cases. Please check before inspection!

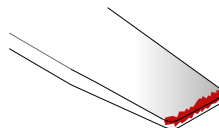
6. Locking device functionality



Locking device, consisting of: Locking bolt, spring and lever

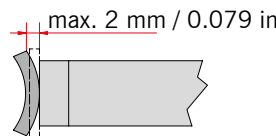
OK
NOT OK
 Comments _____

7. Damage of tip



OK
NOT OK
 Comments _____

8. Bending up / wear of hook



OK
NOT OK
 Comments _____

Result

Important: Forks should always be replaced in pairs as a damage of one fork implies that also the other fork shows resp. will show corresponding damages.

Forks OK	Forks NOT OK	Name auditor	_____
⇒	Scrap! / Replace	Date	_____
⇒	Repair	Signature	_____

*L = Blade length (mm)