

Technical Information

Stoll Frontlader



Tolerance bucket implement

Scope: STOLL front loader buckets

Symptom: Bending under load or difference in height

Possible cause: Force or manufacturing tolerance

Bucket implements (referred to as buckets hereinafter) are subject to many external influences during use. This can result in deformations if not used properly. By the same token, buckets can have low manufacturing tolerances due to the welded construction.

These are normal and do not affect working with the bucket.

The following tolerances are permissible.

Maximum height tolerance at the ends of the cutting edges

Prerequisites:

The bucket is mounted in the carriage parallel to a measuring plane. The distance of the cutting edge at both ends from the plane is measured. The maximum difference between the two sides must not exceed the following values.

| Width of the bucket | Difference in height at the ends of the cutting edge |
|---------------------|--|
| 1.15 m | 4.5 mm |
| 1.30 m | 5.0 mm |
| 1.50 m | 6.0 mm |
| 1.70 m | 6.5 mm |
| 1.90 m | 7.5 mm |
| 2.05 m | 8.0 mm |
| 2.20 m | 8.5 mm |
| 2.40 m | 9.0 mm |
| 2.60 m | 10.0 mm |

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Maximum bending of the cutting edge when loaded

With implements, the cutting edge may be measured across the entire width

maximum bending under load of 1 mm up and 5 mm down.

The values are measured by placing a ruler against the cutting edge. In this case, the maximum distance between ruler and cutting edge may amount to 1/5 mm.