# Schweißtechnische Lehr- und Versuchsanstalt Halle GmbH

## WeldCALC - report

Generated on: 03.06.2026 13:50 Uhr
Generated by:
drawing number:-

## joint form

## parameter

## weld parameters

| | |
|---|---|
| Seam length (l): | - m |
| Burn-in (e): | - mm |
| Material: | steel |
| Type of filler metal: | stick electrode |
| welding process: | |
| density: | - g / cm³ |
| correction factor: | - % |
| filler metal: | - |
| welding position: | - |

## physical seam parameters

| | |
|---|---|
| Seam volume (total): | - cm³ |
| seam weight: | - kg |
| cap layer volume: | - cm³ |
| Volume 1: | - cm³ |

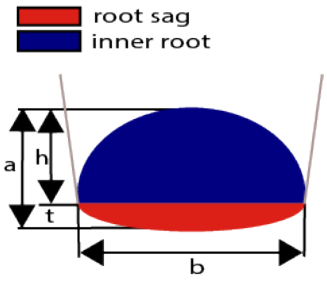
### welding time

| | |
|---|---|
| deposition rate: | - kg/h |
| Sum of auxiliary times: | - min |
| melting time: | - min |
| production time: | - min |

### seam root

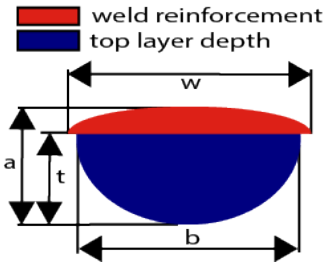
| | |
|---|---|
| root width: | - mm |
| root height: | - mm |

| | |
|---|---|
| root sag: | - mm |



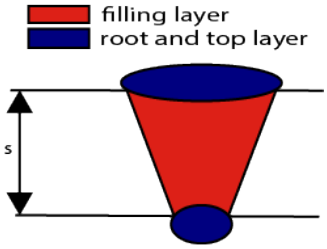

**Top layer(s)**

| | |
|---|---|
| top layer width (b1): | - mm |
| top layer depth (t1): | - mm |




**Filling level(s) - total**

| | |
|---|---|
| Share of Hotpass in filling layers (b1): | % |
| Do you want to divide the filling layers? (t1): | no |




| | |
|---|---|
| crosscut length (lk): | m |
| weld penetration crosscut (ek): | mm |
| Width of the crosscut layer (b): | mm |
| Depth of crosscut (t): | mm |
| notch depth (h): | mm |
| superelevation volume: | cm³ |
| Width of the crosscut position: | mm |
| Volume of the crosscut layer: | cm³ |

**outcomes**

| | |
|---|---|
| Root layer(s): | - kg |
| Top layer(s): | - mm |
| Filling level(s) - total: | - kg |
| cap position: | - mm |
| ... Hotpass: | - mm |
| filler bead: | - mm |

## Wages and additional costs

| | | |
|---|---|---|
| duty cycle: | - % | |
| contribution performance: | - % | |
| Number of employees: | - | |
| wage costs: | - € / h | |
| Price filler metal: | - € | - % discount |
| Price forming gas: | - € / kg | - % discount |
| Price Bath protection: | - € / kg | - % discount |
| Price inert gas: | - € / kg | - % discount |
| Welding powder price: | - € / kg | - % discount |
| additional costs: | - | |

## welding costs

| | |
|---|---|
| Costs / kg SG:: | - € |
| Total costs / kg:: | - € |
| Weld metal costs:: | - € |
| Total costs Pro rata:: | - € |
| additional costs:: | - € / kg |
| **inert gas** | |
| gas consumption: | - l / min |
| expenses: | - € |
| **welding powder** | |
| powder consumption: | - kg / h |
| powder consumption / kg: | - kg / (kg SG) |
| expenses: | - € |
| expenses: | - € / kg |
| **forming gas** | |
| Forming gas consumption: | - l / min |
| expenses: | - € |
| **bath protection** | |
| Length of bath protection: | - m |
| Consumption / kg: | - m / kg SG |
| expenses: | - € |
| expenses: | - € / kg |
| **other expenses** | |
| expenses: | - € |