Schweißtechnische Lehr- und Versuchsanstalt Halle GmbH

WeldCALC - report

Generated on: 16.11.2026 02:00 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

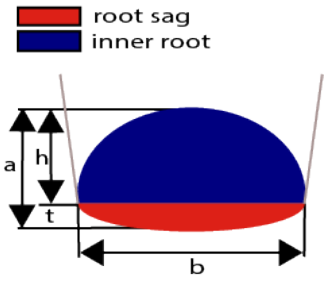
welding time

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

seam root

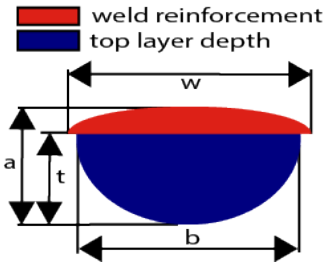
root width:	- mm
root height:	- mm

root sag:	- mm



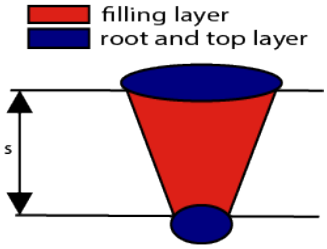
Top layer(s)

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:	- €