



# Plastic Welding

## Part 6: Construction design



**We know how.**

# Part 6: Construction design

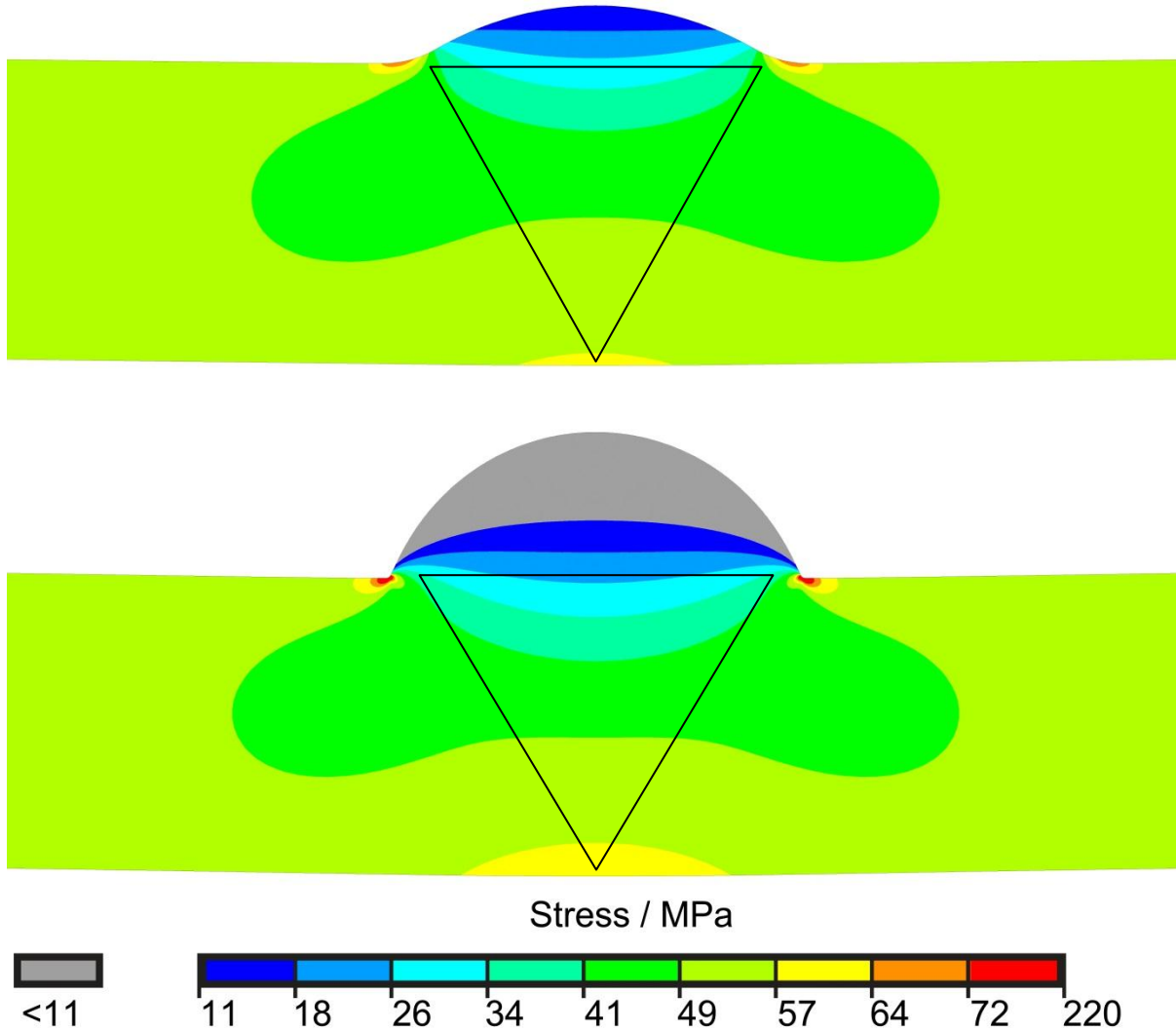
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**The Design of welded structures depends on the physical characteristics of the materials used.**

**Of particular note are the types of stress.**

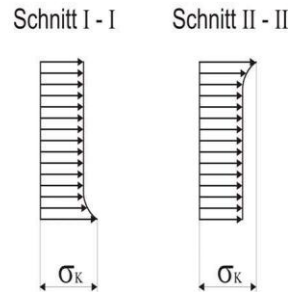
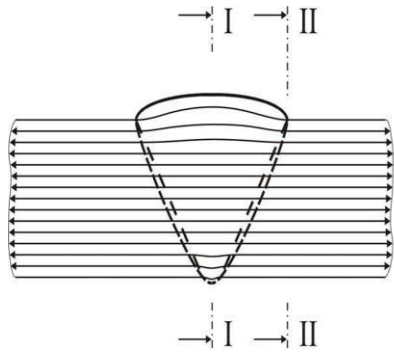
# Part 6: Construction design

## Force deflection & notch effect

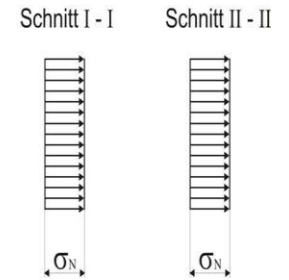
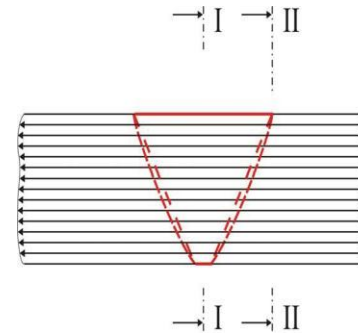


# Part 6: Construction design

## Force deflection



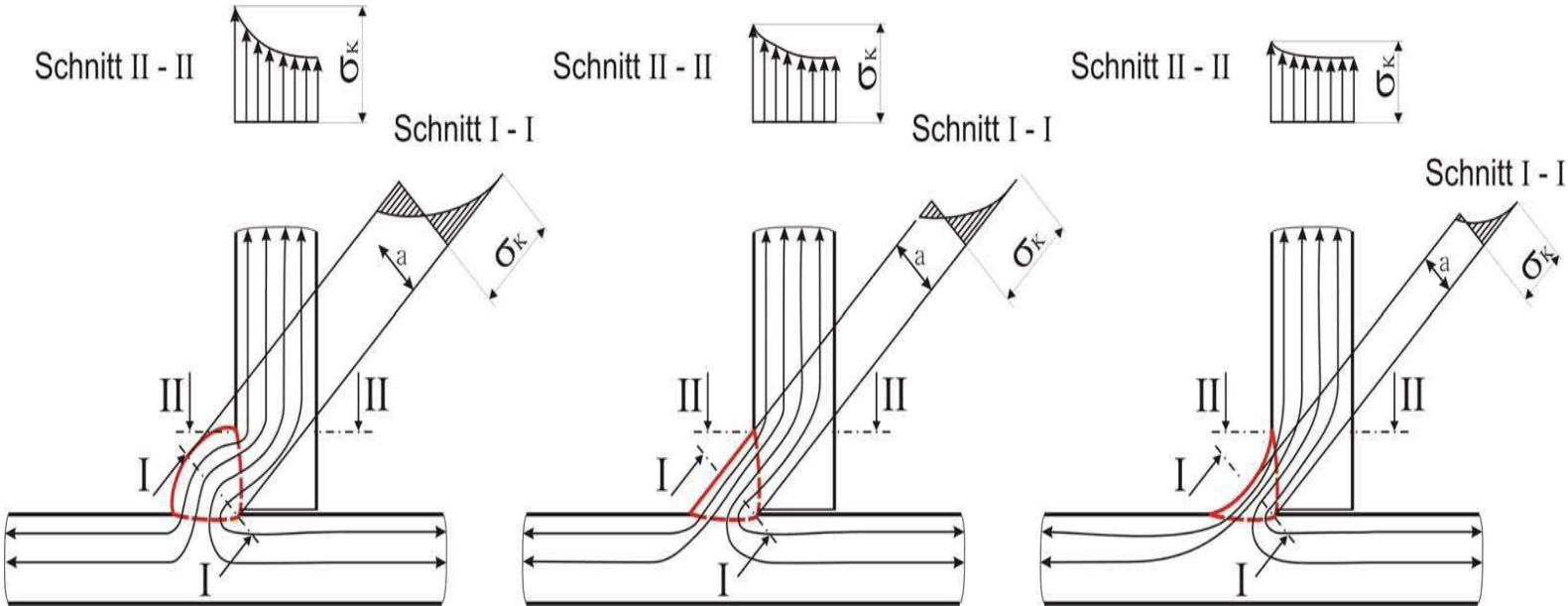
unfavourable



favourable

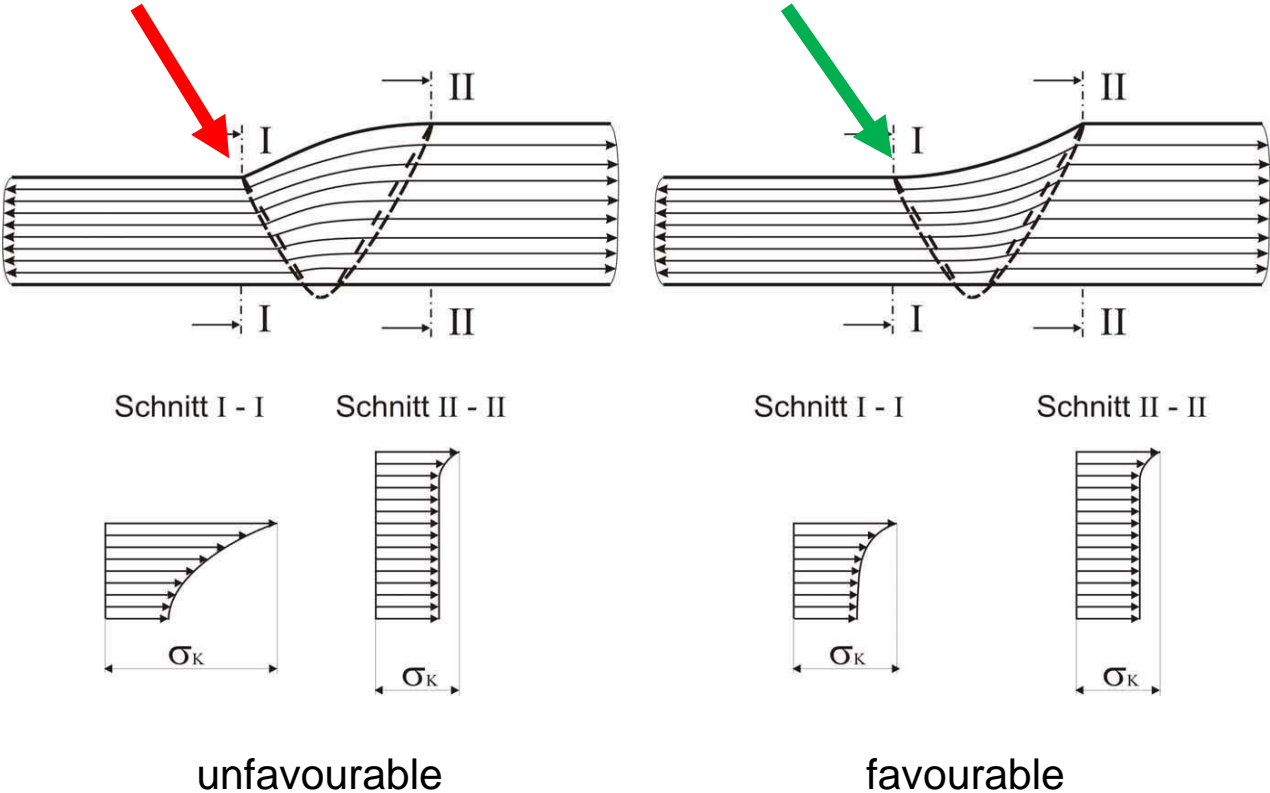
# Part 6: Construction design

## Force deflection



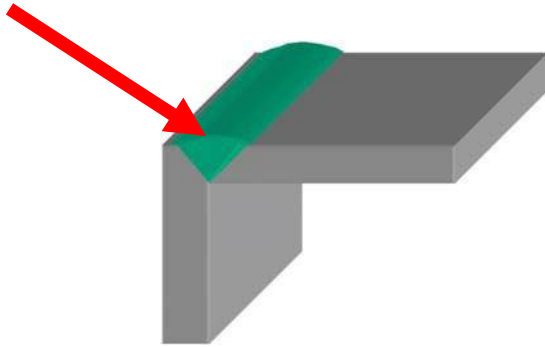
# Part 6: Construction design

## Force deflection

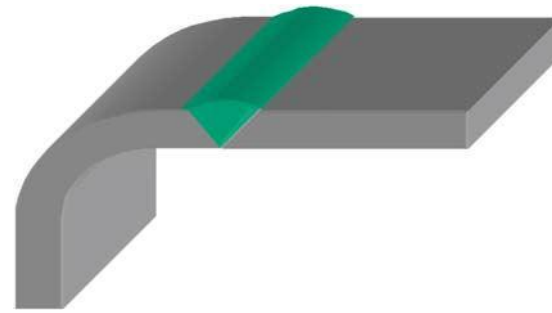


# Part 6: Construction design

## Design recommendation



unfavourable

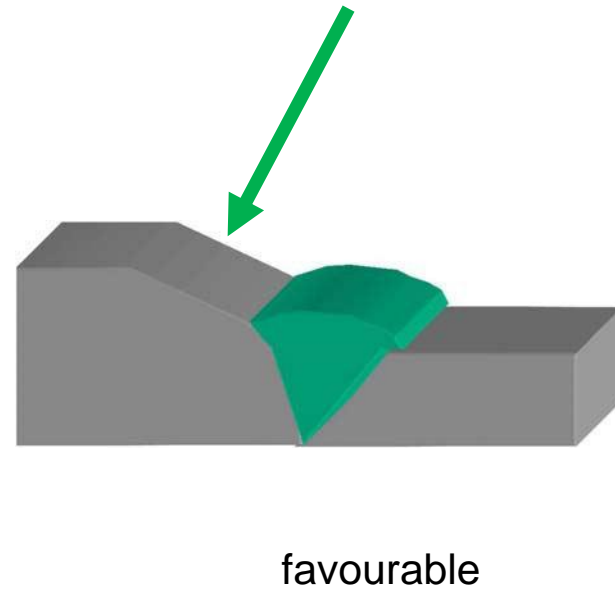
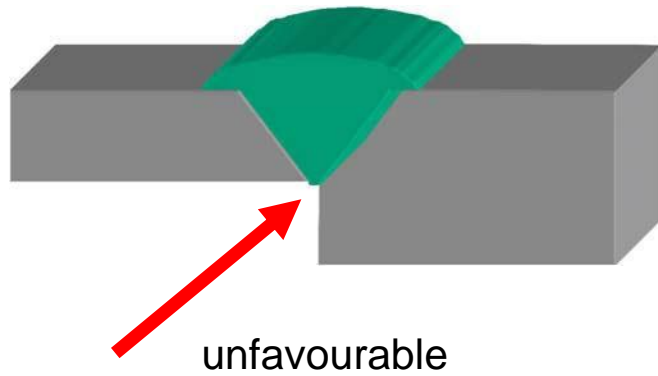


favourable

Put welding connections to the outside of the main exposure zone.

# Part 6: Construction design

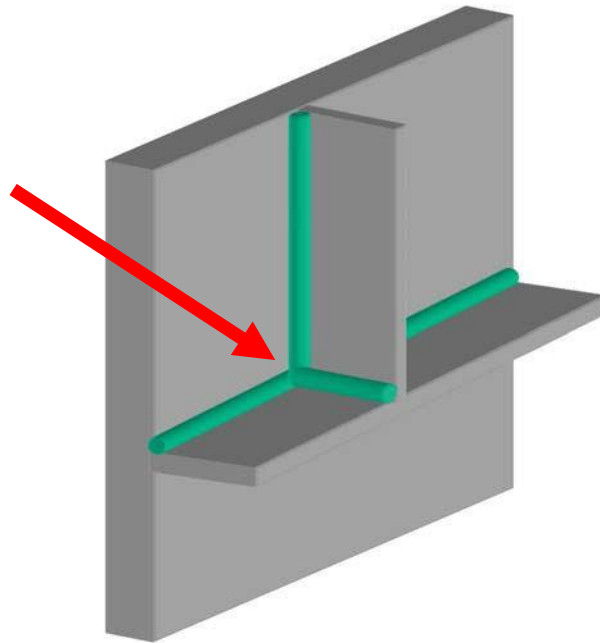
## Design recommendation



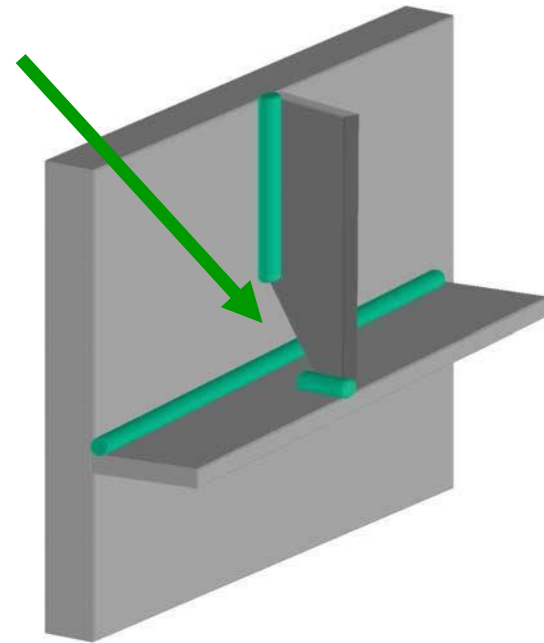


# Part 6: Construction design

## Design recommendation

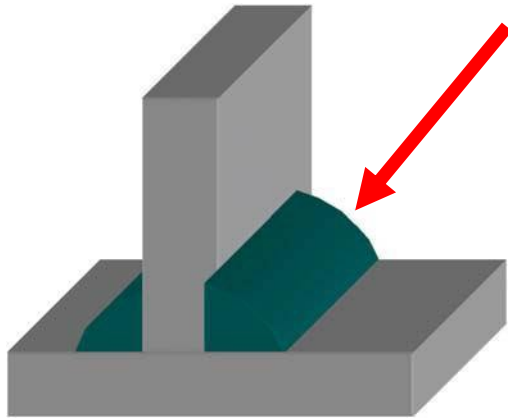


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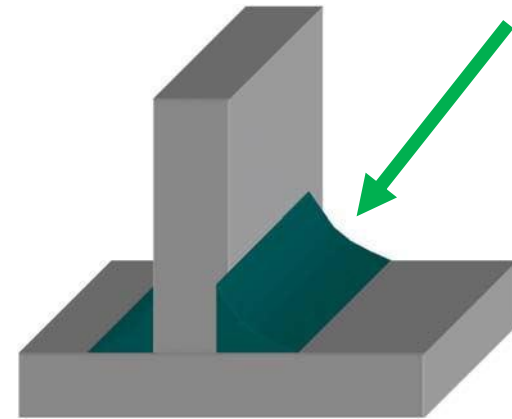


favourable

# Part 6: Construction design



unfavourable



favourable

# Part 6: Construction design



unfavourable

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