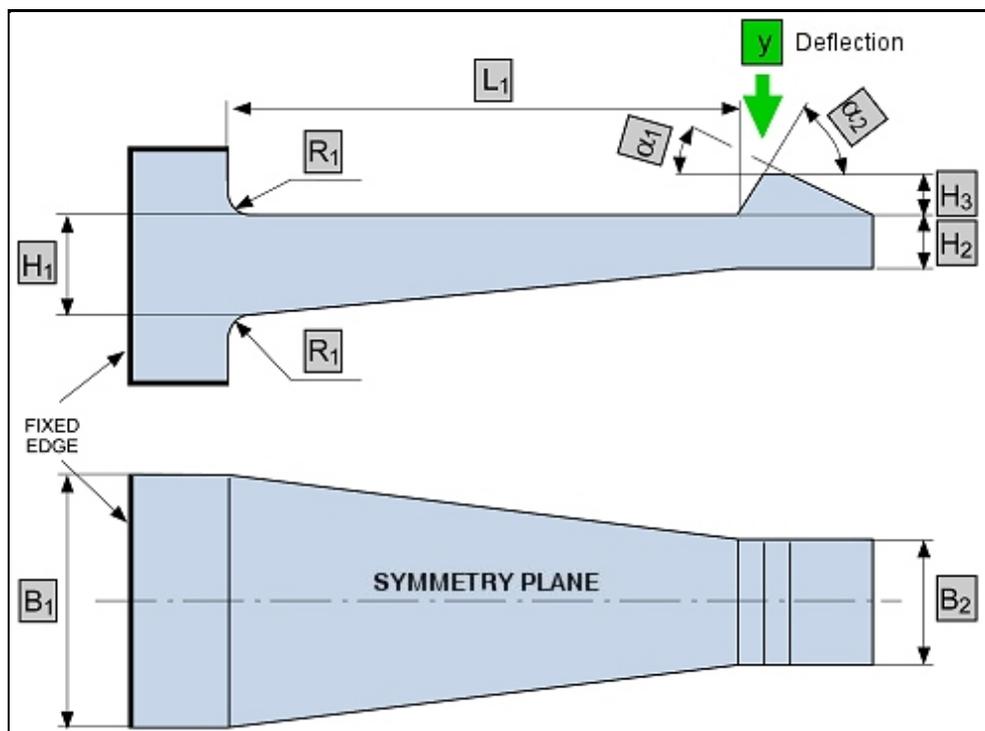


# FEMSnap-Service

## Input of Max Muster, Job-Name: Example 1

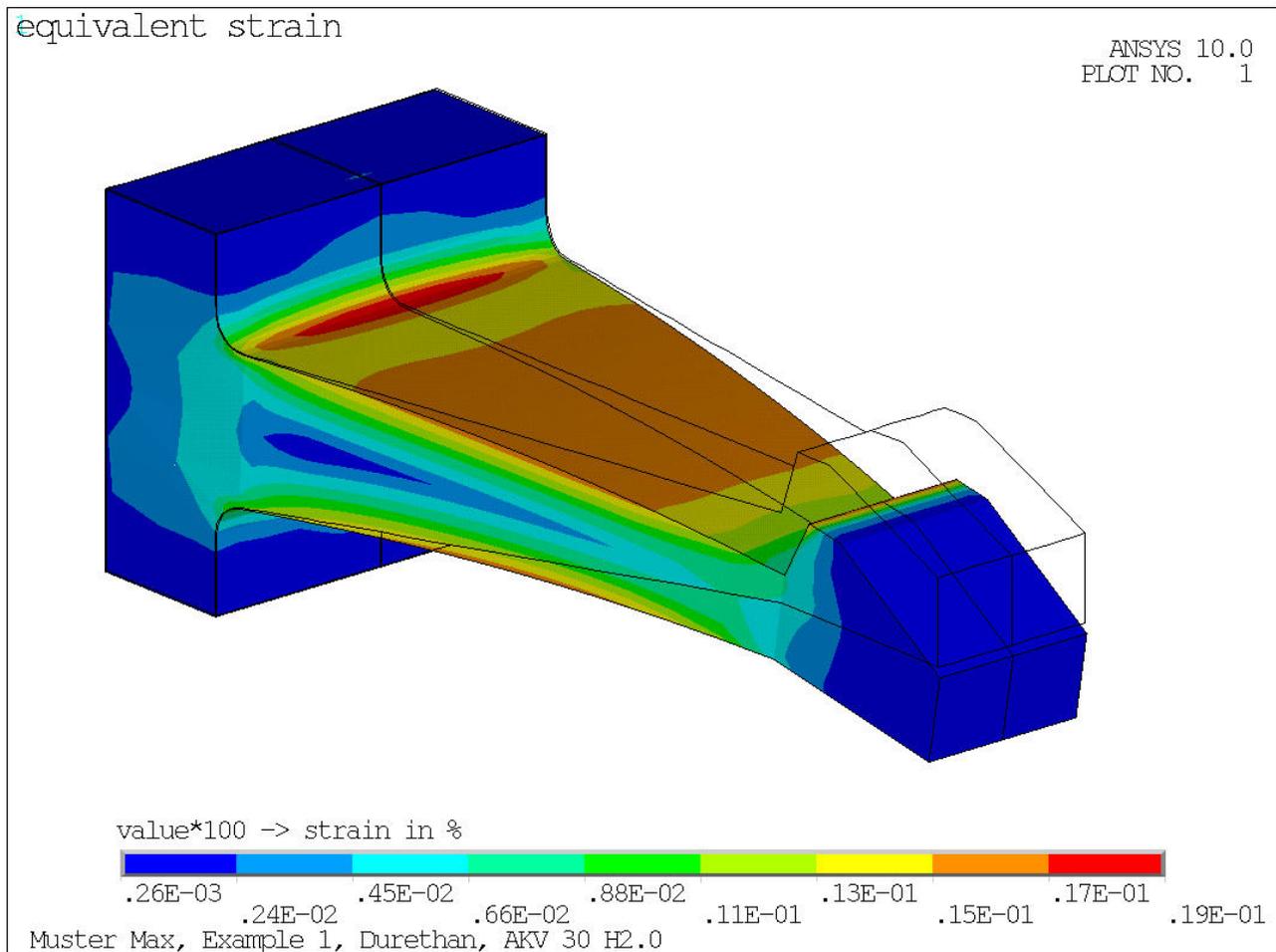
Material name	Durethan AKV 30 H2.0
Temperature	23 °C
Conditioning	Yes
Coefficient of friction	0.5



Dimension	Value
H1 (mm)	3.5
H2 (mm)	2.0
H3 (mm)	1.5
B1 (mm)	9.0
B2 (mm)	4.0
L1 (mm)	15.0
R1 (mm)	0.75
$\alpha_1$ (°)	30.0
$\alpha_2$ (°)	70.0
y (mm)	1.45

Thank you for using our service.

## Output of Max Muster, Job-Name: Example 1



## Summary of results:

Calculated strain	%	1.9	inadmissible
Admissible strain	%	1.9	for a brief one time deflection
Failure strain limit	%	4.0	damage or fracture
Deflection force	N	91.5	in the y direction
Insertion force	N	138.5	
Pull-out force	N	undetermined	inseparable, see manual

All results are approximate; for further explanations and assumptions see FEMSnap-Manual.

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