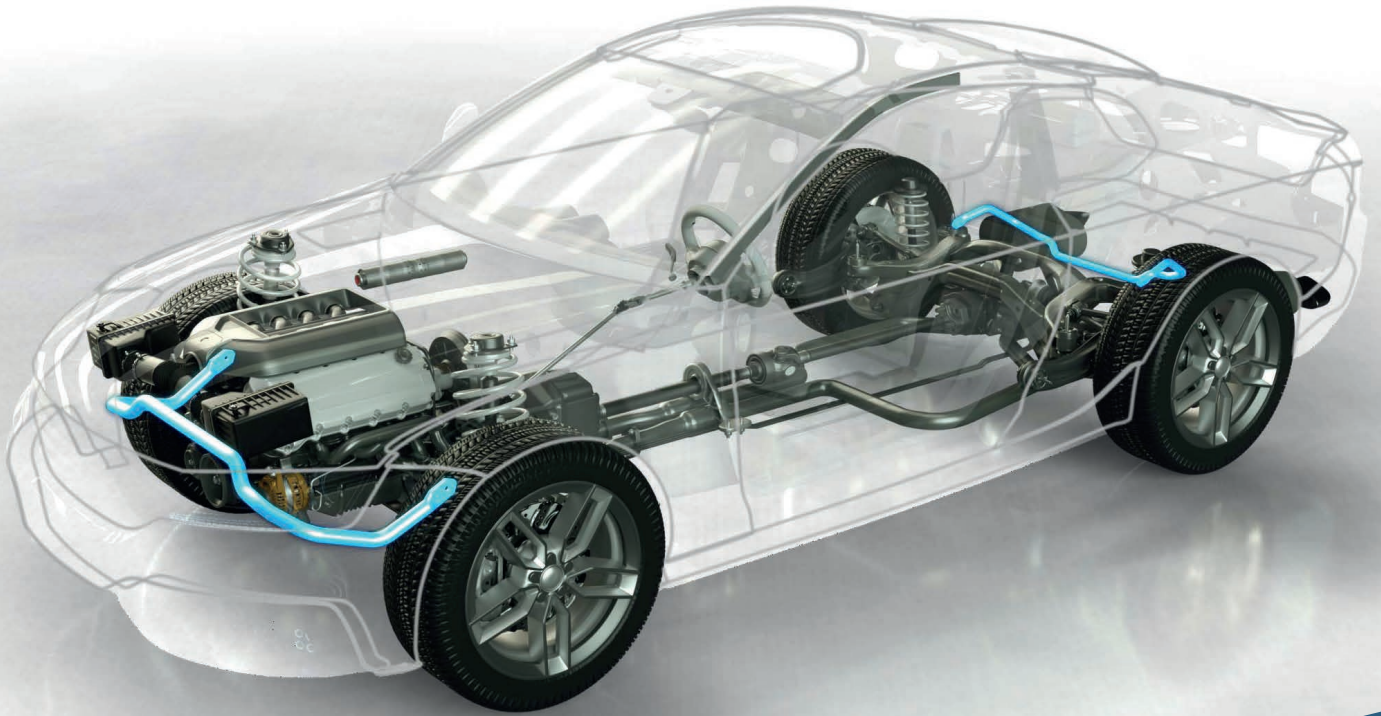


Jansen produces welded and welded-drawn precision steel tubes meeting the highest quality standards made of high-tensile grade steels for stabilizers.



# Stabilizer

Produktinformation | Technisches Datenblatt

The application in the area of the automotive industry is very reliant on quality. Any failure of the component must not

be relevant to safety. A possibility of light-weight construction is the production of the tubes in drawn version with varying wall thicknesses or by using high-tensile materials, which allow additional weight reduction.





## Tube requirements

- Very good formability
- High torsional strength and durability
- Very good welding properties
- High geometrical accuracy
- Excellent surface condition

## Material properties

- High strength, in particular heat treatment (Q+T) rather than just tempering (T)
- Excellent reforming properties
- Minimised residual stress
- Potential to reduce wall thickness

## Structure

- Homogeneous, fine-grain structure in weld seam and basic material
- Minimised surface decarburisation of inner and outer surfaces (< 100 µm)
- Very good weld seam quality
- Very good reforming properties

## Geometry

- Minimised fluctuations in wall thickness and inner/outer diameter
- Minimised eccentricity
- Specific tube end processing: sawn/brushed; chamfered

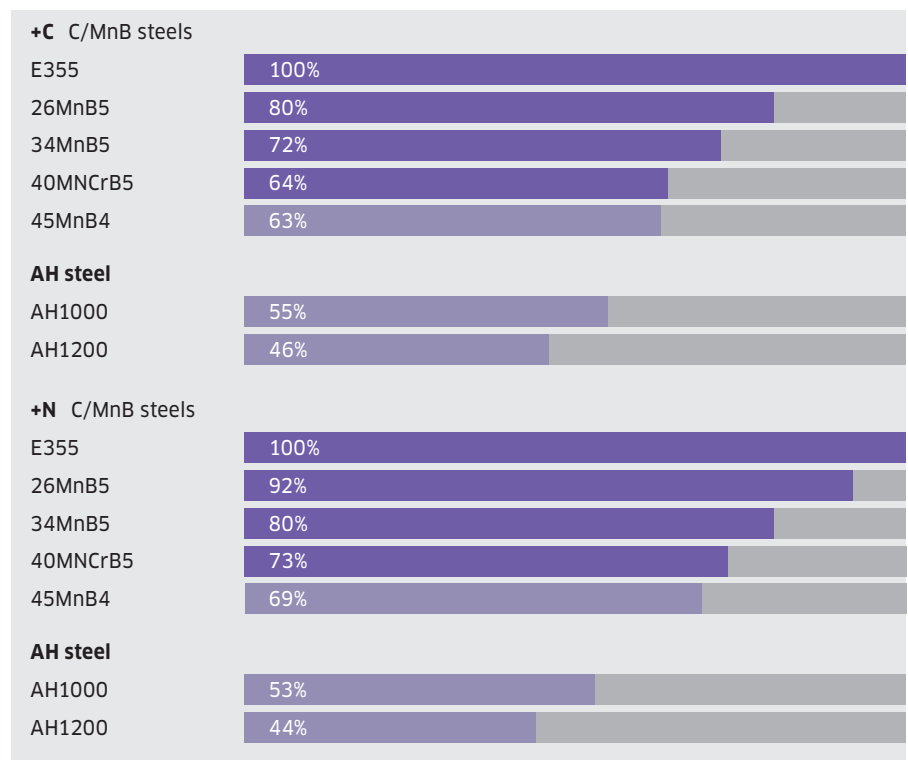
## Surface

- Minimised surface flaws (adhesions, scratches, dents, etc.)
- Minimised corrosion protection, optionally specific corrosion protection
- Increase of compressive stresses through shot peening (outside/ inside diameter)

## Materials & dimensions

Application	Tube standard	Steel grades	Delivery condition	Dimensions range mm
Stabilizer (Car)	✓ EN 10305-2	✓ E355	✓ +C ✓ +N	✓ OD 16 - 45 ✓ WT 2 - 6.5
	✓ EN 10305-3	✓ 26MnB55 ✓ 34MnB5 ✓ 40MnCrB5 * 44MnB3 * 45MnB4 * AH1000 * AH1200		
Stabilizer (HGV)	✓ EN 10305-2	✓ 34MnB5	✓ +C ✓ +N	✓ OD 50 - 90 ✓ WT 4 - 8.0
	✓ EN 10305-3	* 40MnCrB5 * 44MnB3 * 45MnB4 * AH1000 * AH1200		

## Extract from achievable weight-savings



✓ ■ Series production at Jansen  
\* ■ In validation at Jansen

AH: air hardening

OD: outside diameter  
WT: wall thickness