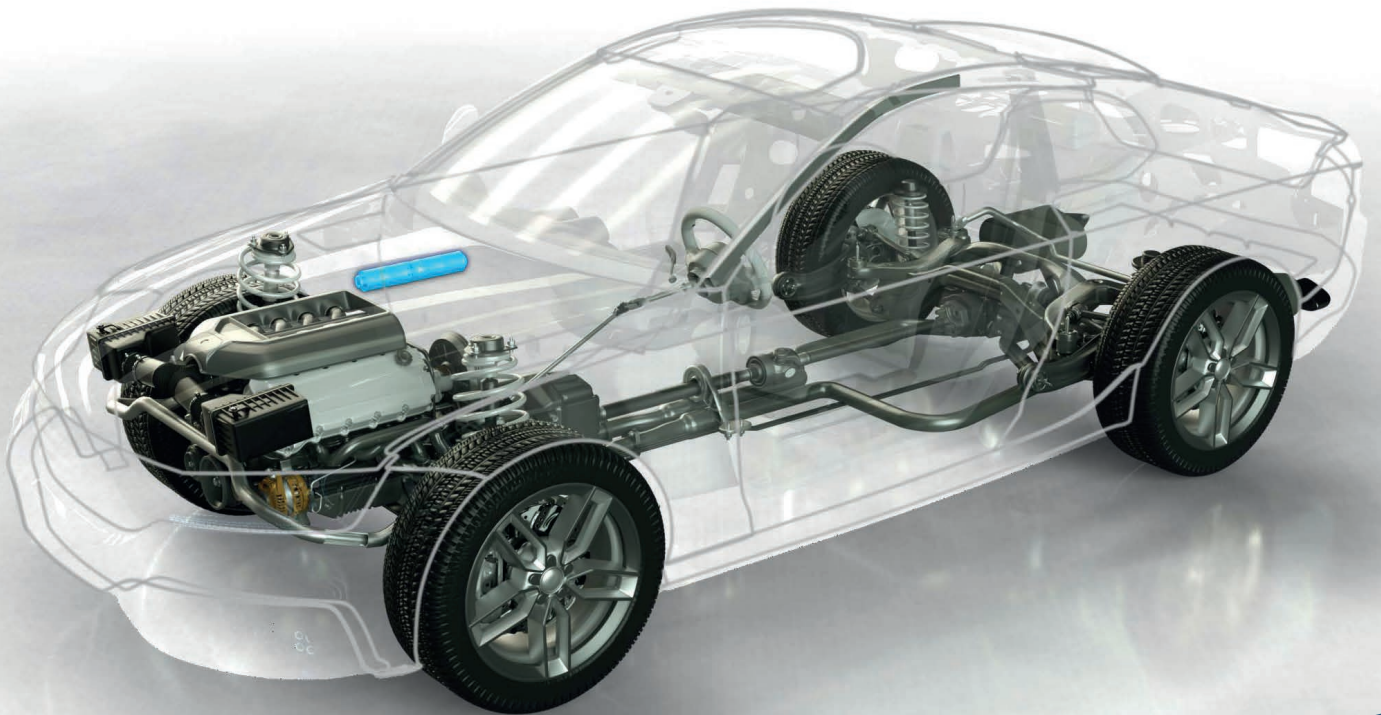


Jansen produces welded precision steel tubes made of high-tensile materials for airbags.



Airbag

Product information | Technical data sheet

The applications in this area of the automotive industry are very sensitive in terms of quality. The quality of the tubes is guaranteed by excellent raw material

quality, a very stable welding process in conjunction with comprehensive seam quality testing as well as stringent production and dimensional tolerances. Tubes produced in this way withstand maximum stress when airbags are deployed. Dismantling into several pieces is not permissible (low-temperature impact resistance).





Tube requirements

Excellent formability

Low-temperature ductility

High burst-pressure resistance

Excellent welding properties

Excellent surface condition

Material properties

Optimised burst-pressure resistance

Very good ductility of up to -60°C

Homogeneous strength and elongation

Very good reforming properties

Structure

Homogeneous, fine-grain structure in weld seam and basic material

Very good weld seam quality

Very good reforming properties

Geometry

Minimised fluctuations in wall thickness and inner/outer diameter

Minimised deviations in concentricity and axial run-out

Minimised eccentricity

Specific tube end processing: sawn/brushed; chamfered

Surface

Excellent surface condition

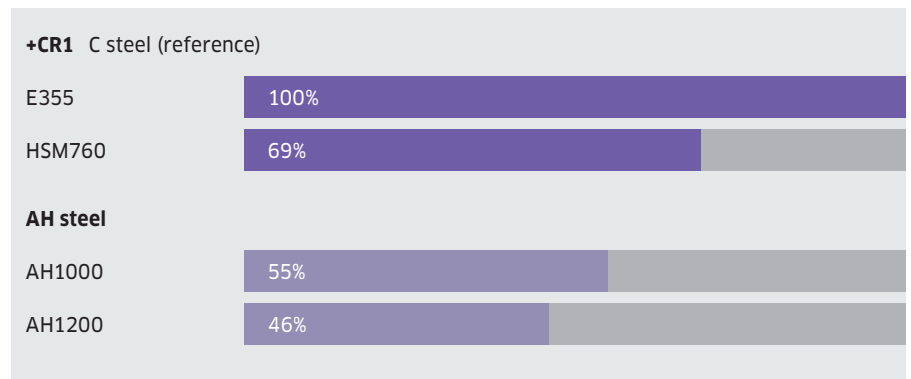
Minimised surface flaws (adhesions, scratches, dents, etc.)

Minimised corrosion protection, optionally specific corrosion protection

Materials & dimensions

Application	Tube standard	Steel grades	Delivery condition	Dimensions range mm
Pyrotechnic/hybrid airbag gas generator (car/HGV)	✓ EN 10305-3 (Pyrotechnic)	✓ E355	✓ +CR1	✓ OD 20 - 55 ✓ WT 1.5 - 4
		✓ HSM760		
		* AH1000		
		* AH1200		

Extract from achievable weight-savings



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

AH: air hardening

OD: outside diameter
WT: wall thickness