

# Airbag

## Product information | Technical data sheet

Jansen Steel Tubes and Mubea Precision Steel Tubes produce welded precision steel tubes made of high-tensile materials for airbags.

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. Fragmentation 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

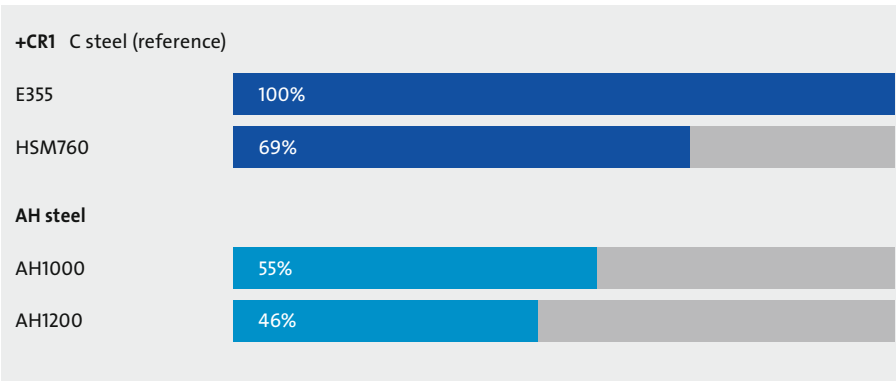
### Surface

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  
\* In validation

AH: air hardening  
OD: outside diameter  
WT: wall thickness