	Gauge	Elongation	Yield stress	Microstructure
Shelf life				■
Pressure resistance (NRP)	■	□	■	
Double seam reliability	■		■	

Steel for standard ends

Standard ends are highly standardised products able to satisfy numerous markets: round or irregular shapes (mostly rectangular), demanding retort conditions if required. Proper seaming of these components onto the can bodies guarantees leak-proof packaging.

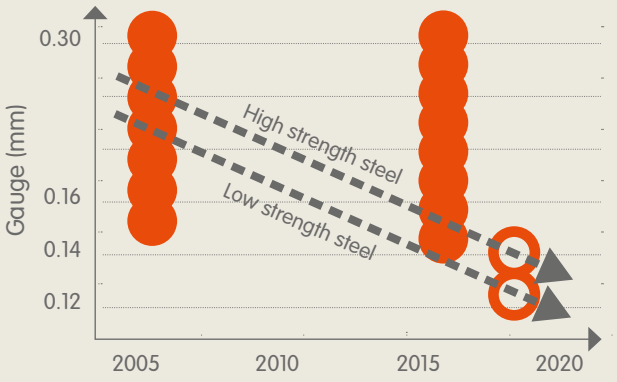
Pressure resistance and seaming ability determine the correct steel specification. For the most demanding cases, minimum metal elongation could be required to avoid excessive metal thinning during manufacturing, which might adversely affect the pressure resistance of the finished end.

ArcelorMittal offers a broad product range: the yield stress can be chosen from 275 MPa up to 750 MPa. Bestsellers so far are TH415/435/460/520/580/620.

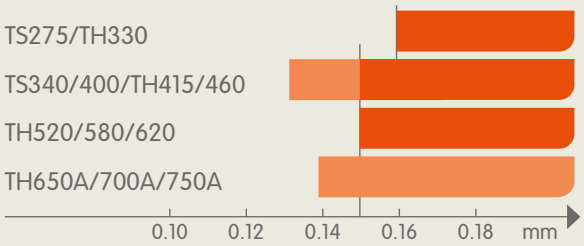
The future lightweighted trend can be divided into:

- Very high strength steel grades TH650A to TH750A with residual elongation >1%, for round standard ends retorted without counter-pressure and gauges down to 0.14 mm..
- Medium strength steel grades TH330/TS340-400 with gauges down to 0.130 mm are the best alternative for standard ends to be retorted with counter-pressure whilst maintaining excellent seaming ability.

One light weighting path



Product offer for standard ends



Steel grade is driven by final use