

Corus Construction and Industrial,

Precision Steels

Corus Construction & Industrial supplies a range of semi finished products for specialist applications

Melting base iron

Corus Construction & Industrial supplies high purity iron billets for melting applications. Our high purity billet is used as base material for special alloys, for a diverse range of applications in aerospace industry and medical environment.

Typical analysis of melting case iron

Steel Type	Typical maximum composition (wt%)				
	C	Si	Mn	P	S
Melting base iron	0.008	0.006	0.08	0.008	0.008

Variation in customer specification, where a combination of tighter individual elements is required, is available on request.

Casts are produced to tight within cast compositional control, through the use of basic oxygen steelmaking, ladle arc secondary steelmaking and continuous casting. Full product analysis is available to ensure high purity specification levels are achieved throughout the cast. On analysis, high purity iron billets are only supplied to the richest compositional results to ensure customer product consistency is not compromised.

Melting base iron for melting applications is typically supplied as a 75mm square product, to allow ease of handling, with other sizes available by agreement. Melting base iron can also be supplied for re-rolling applications by arrangement.

Spring Steels

Silicon manganese steels are manufactured for applications such as leaf and coil springs, typically employed in the automotive and rail industries.

Silicon manganese steels are generally high carbon steels with typically 1 – 2% silicon and 1% manganese additions to give superior mechanical properties.

Grades include:

EN 10089:2002 38Si7, 56Si7, 56SiCr7
BS 970:Part 2:1988 215A58, 215A60