

Corus Construction and Industrial,

Commercial Steels

Corus Construction & Industrial offers a range of semi finished products for commercial applications. The range includes aluminium killed steels, silicon killed and silicon killed fine grained steels (low, medium and high carbon), microalloy and weather resistant grades.

Applications include sections, special sections, rounds, hexagons and flats.

Steel characteristics

Steel type	Characteristics	Typical applications
Low carbon aluminium killed	High ductility High formability Good surface finish	Wheel trims Flanges Various automotive
Low carbon silicon killed	Good surface finish Good ductility Good formability Modest strength	Reinforcement bars Trailer flats Flooring grids Other structural parts Bright drawn bars & flats for engineering applications
Medium carbon steels	High strength High hardness High wear resistance Moderate hardenability	Bright drawn bars & flats Bolts Chain links Hand tools Agricultural parts
High carbon steels	High strength High hardness High wear resistance High hardenability	High tensile bolts Wear plates Agricultural parts

Specifications

Corus Construction & Industrial supplies to a wide range of national and international specifications. In addition to steels shown below you can contact Corus with any individual requirements.

Steel type	Typical specification
Low carbon aluminium killed	BS 1449:1991 HS1 SAE 1006 SAE 1008
Low carbon silicon killed	BS 970-1:1996 080A15 EN 10025:1993 SAE 1018 ASTM A105
Medium carbon steels	BS 970-3:1991 080A42 EN 10083-2:1996 C45 SAE 1045
High carbon steels	BS 970-3:1991 070A55 EN 10083-1:1991 C60E SAE 1080

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