

CARBON STEEL BALLS



- DESCRIPTION**
- **Low carbon steel balls** also called case hardened carbon provide substantial savings for applications where moderate loads and low speed are requested.
 - **High carbon steel balls** is through hardened and can be used for higher loads. It is a good alternative to chrome balls.

INTERNATIONAL EQUIVALENTS	USA	GERMANY	FRANCE	CHINA
	AISI 1010-1015	1.0301-1.0010-1.1121	XC10	Q195-Q235
	AISI 1085-1086	1.0616-1.1269	XC90	80

CHEMICAL COMPOSITION	C	Si	Mn	P	S
Low carbon	0.06-0.12 %	0.10-0.40 %	0.25-0.65 %	0.05 % Max	0.05 % Max
High carbon	0.80-0.93 %	0.10-0.35 %	0.30-1.00 %	0.04 % Max	0.05 Max

HARDNESS + DENSITY	Hardness	Density
	60°HRC Min.	7.861 g/cm ³

- APPLICATIONS**
- Low carbon steel balls** : Castors, wheels, conveyors, low precision bearings, drawer slides...
 - High carbon steel balls** : Bearings, automotive parts, sliding rails, polishing and grinding applications...

DIMENSIONS + GRADES	0.250 mm – 300 mm	Carbon steel balls are produced according to international standards such as : ISO 3290 - DIN 5401 - ABMA

Data are indicative and can not bind the responsibility of SALUC sa.

