

STOMANA STEEL BALLS

They are used in ore grinding mills, such as SAG (Semi Autogenous Grinding) mills when it is for initial grinding or ball mills for regrinding.

During the manufacturing process Vacuum Degasser is used so to ensure high quality of final product by lowering its hydrogen and nitrogen content.



Steel balls for Grinding are produced in various diameters ranging from 60 to 120mm. Grinding Balls are used to assist in the extraction process for many metals such as gold, copper, zinc, lead, nickel, tin and silver.

General Features

TYPE	Hot-Rolled Steel Balls for Grinding
FORM-DIMENSIONS	Diameters form 60 to 100 mm
SURFACE HARDNESS	As per Brinel & Rockwell
PACKING	Steel Drums, Big Bags, Bulk

Steel Chemical composition

№	Steel Grade	C	Mn	Si	P	S	Cu	Cr	Ni	Al	Standard
					max	max	max	max	max		
1	C45	0,42-0,50	0,50-0,80	max 0,40	0,05	0,05	0,4	0,4	0,4		EN10083-2
2	70*80	0,70-0,85	0,70-1,2	0,30-0,50	0,04	0,04	0,4	0,30-0,60	0,3	0,010-0,06	-



Dimensional features

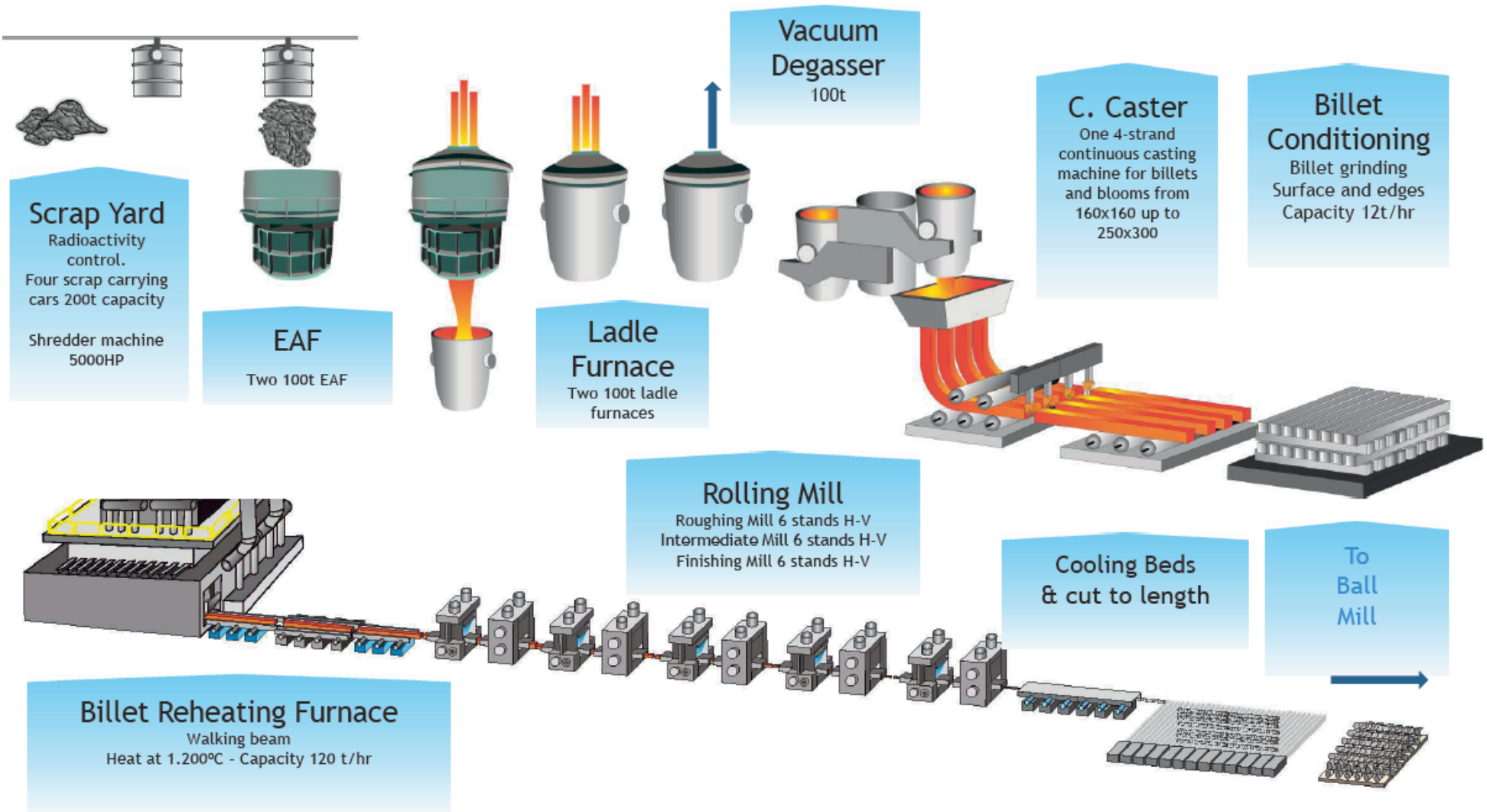
Diameter (mm)	Tolerance (mm)	Volume (cm ³)	Weight (kg)
60	(+2,0/-2,0)	113,12	0,888
70	(+2,0/-2,0)	179,62	1,41
80	(+3,0/-2,0)	268,02	2,104
90	(+3,0/-3,0)	381,66	2,996
100	(+4,0/-3,0)	523,57	4,11

Surface Hardness

Nominal Diameter (mm)	Surface hardness as per Rockwell – HRC (Brinell – HB) not less than:				
	Normal (H)	Increased (Π)	High (B)	Very High (M)	Ultra High (U)
60	401 (43)	461 (48)	534 (53)	601 (57)	712
70	401 (43)	461 (48)	514 (52)	578 (56)	653
80	401 (43)	461 (48)	495 (51)	555 (55)	627
90	352 (38)	375 (40)	461 (48)	534 (53)	578
100	352 (38)	375 (40)	415 (44)	495 (51)	514



Steell Balls For Grinding



We supply in more than 20 countries on four continents and cover 85% of the Bulgarian market



MINARGE

EMAIL

info@minarge.com

WEB

www.minarge.com

ADDRESS:

İsmetpaşa, Yeni Havra Sokak No:6, Çanakkale
Merkez/Çanakkale, Türkiye