



LIGER™ WHITE IRON – DATA SHEET

White Iron Casting

LIGER™ bars and wear buttons are modular wear-resistant components designed to protect equipment in high-abrasion and high-impact environments. Each piece features a hard, chrome-rich white iron surface metallurgically bonded to a mild steel backing plate, combining exceptional wear resistance with weldability and structural toughness. Their robust design makes them ideal for use in mining, quarrying, cement, aggregate, recycling,

Backing plate

Q235B / A36 / SS400 Mild Steel

Wear Layer

High-Chrome White Iron (ASTM A532 Class 2 Type B)

Chemical Composition (wt%),

Alloy Components

Element	C	Si	Mn	Cr	Mo	Ni	Cu	Fe
Composition (%)	2.94	1.27	0.82	15.2	0.78	0.12	0.27	Balance

Hardness

65 HRC / Rockwell C

Alloy Description

Fine martensitic matrix with uniformly distributed eutectic carbides

Main industries

Mining & Mineral Processing, Cement, Sand & Gravel, Pulp & Paper, Power Generation, Oil Sands & Energy, Construction & Earth Moving

Application

Buckets, Chutes, Hoppers, Loaders, Dozer Blades, Transfer points in mining, Cement, Aggregate Industries

Temperature

Up to 450°C

LIGER™ Bar

Please Inquiry

LIGER™ Button

Please Inquiry

Formability

Tack-weld the LIGER™ Bar in place, then hammer it to the desired shape

Cutting Methods

Plasma, Water Jet, Laser, Saw Cutting, Machining

Attachment Methods

Welding

