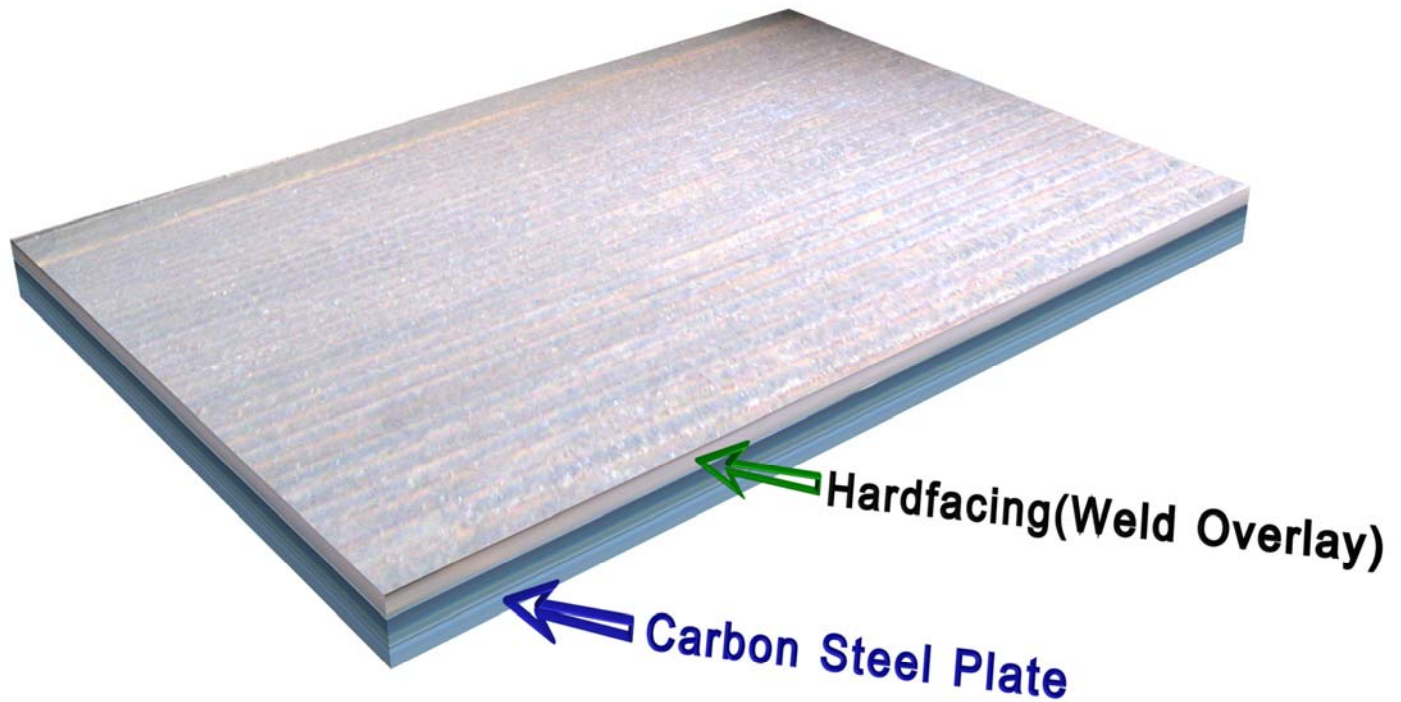


*Jung Won Engineering “Wear Plates”



We, Jung Won Engineering Co., Ltd., manufacture wear plate by hardfacing with special welding alloys on the base plate of carbon steel. We developed unique welding method and system so as to give a homogeneous dispersion of primary chrome carbides in the matrix. We have our own welding wire company, manufacturing various welding alloys. Many kinds of welding alloys are chosen for manufacturing the relevant kinds of wear plates, according to chemical composition, hardness and temperature required of wear plates as per customer needs.

According to feedback of customers, we can easily adapt both welding wire and welding method, as only a manufacture of Welding Wire. Our welding method of construction has many advantages over the Cast methods with higher performance & life parameters.

1. Kinds of wear Plates

a. JW-63 Wear Plates

- Hardness : HRC 56-60

- Temperature : 450°C - 500°C

- Description : Highly abrasion resistant chromium carbide deposit

 - Combination of primary and eutectic chromium carbides in tough matrix

- Applications : Design of high performance composite parts, mineral conveying equipment, dredger pumps, mixers and riddle plates.

b. JW-65 Wear Plates

- Hardness : HRC 60-64

- Temperature : 500°C - 650°C

- Description : High concentration of niobium and chromium carbide

 - Very good wear resistance to fine abrasive particles of high hardness

- Applications : Vertical Crushers, armouring of conveyors for coal, clinker and glass

c. JW-70 Wear Plates

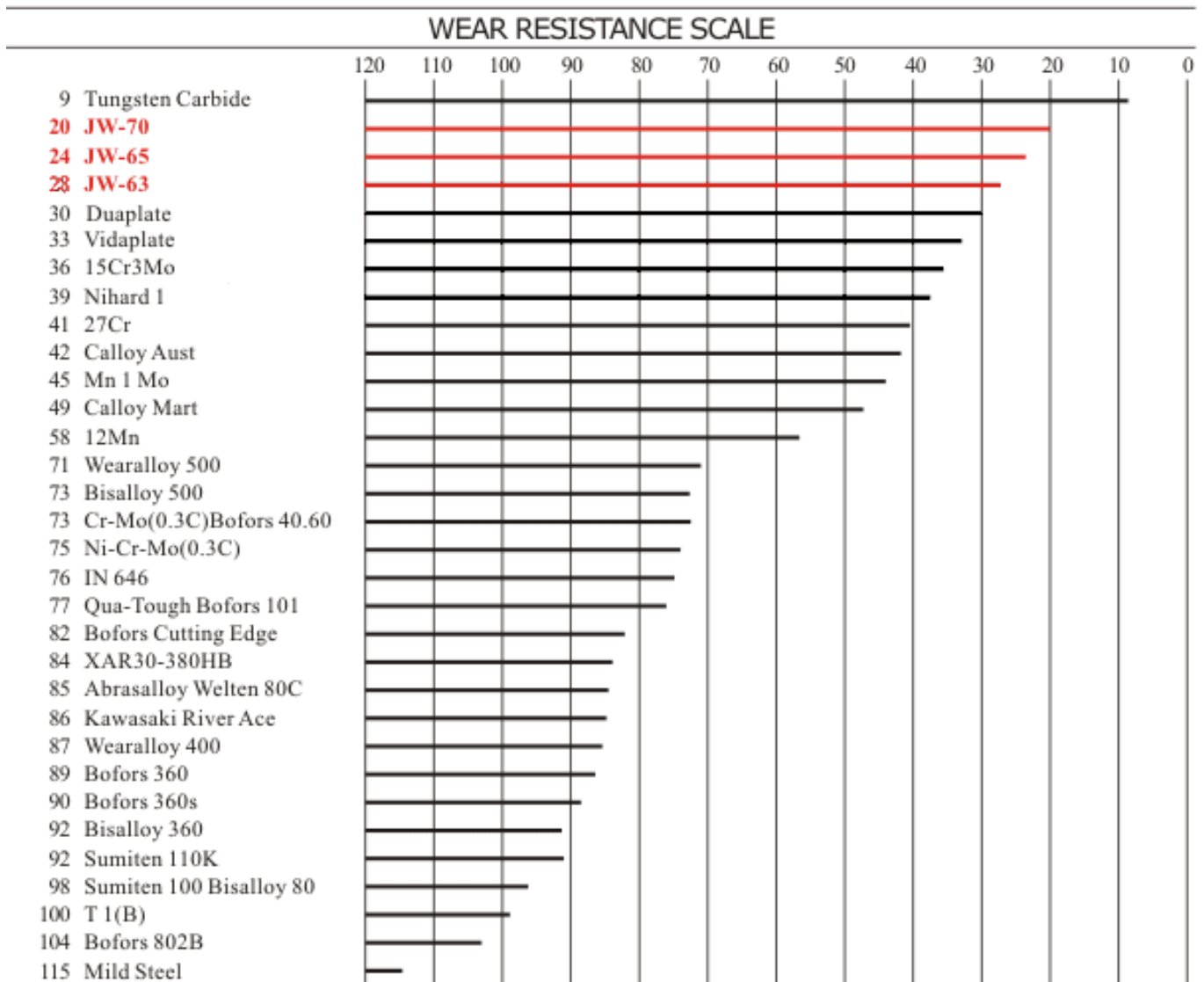
-Hardness : HRC 64-67

-Temperature : 650°C - 800°C

-Description : Highly-alloyed chromium cast iron with a high concentration of complex carbides
Resists combined abrasion and impacts at high temperature.

-Applications : Riddling, blast furnace hoppers, extractor fans

2. Wear Resistance Scale



The above "Wear Resistance Scale" is made after Rubber Wheel Abrasion Test. And this scale means that Each JW-63, JW-65 and JW-70 Wear Plates have the weight loss approx. 27g, 23g and 20g, when Mild Steel have 115g weight loss under the same abrasion test condition.

3. Standard Wear Plate Dimension

-790mm x 1,700mm x (Base Plate : Over 6mm + Thickness of weld overlay : Over 3mm)

-1,100mm x 2,300mm x (Base Plate : Over 6mm + Thickness of weld overlay : Over 3mm)

-1,320mm x 2,880mm x (Base Plate : Over 6mm + Thickness of weld overlay : Over 3mm)

Beside the above standard sizes, there are also a variety of shapes and sizes available in our wear plates, according to drawing or customer's requirement.

4. Applications

ASH LINES

ELBOW

BUCKET & LIPS

CHUTE & HOPPER LINERS

CLASSIFIER

CONVEYOR CASINGS

DISCHARGE FUNNELS

DREDGE PUMP SIDE PLATES

CEMENT KILNS

BLAST FURNACE BELL & BURDEN

SINTER PLANT

DRAG LINES

DUCT

FAN BLADES & HOUSINGS

GRIZZLY BARS

MINE CAR LINERS

ORE CHUTES

EXTENSION RING

VIBRATOR PAN FEEDER LINERS

SINTER BREAKER BAR

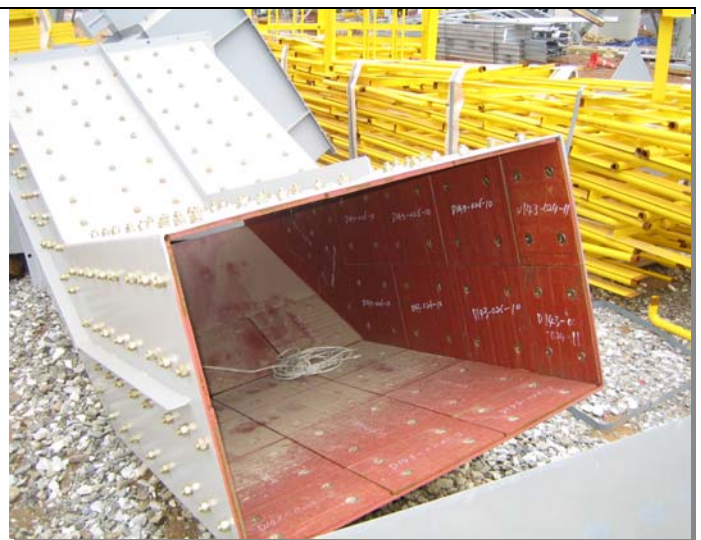
GREEN WALT CRUSHERS

STEEL PLANT

5. Pictures



Guide Vane



Duct



Chute



Chute



Screen



Screen



Pipe



Pipe



Protector



Protector



Elbow



Duct



Flange



Liner