Introduction to DCF- series wear- resistant plates

Cracks Free Wear Resistance Plate

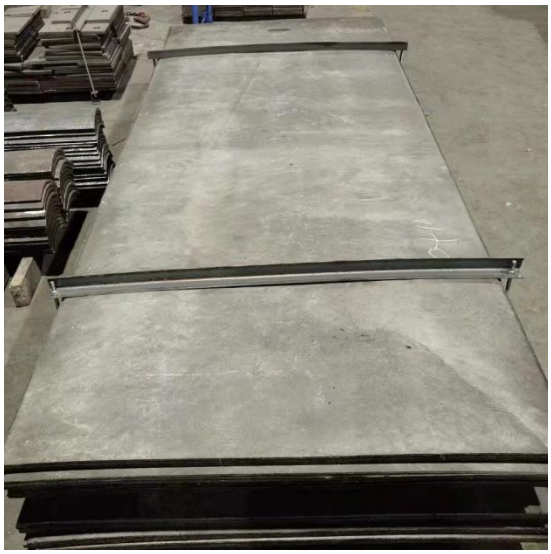
General Product Description

Cracks Free wear-resistant plate is designed for severe working conditions .
A layer of wear-resistant alloy is applied onto a structural backing plate via a continuous submerged arc process. This creates a metallurgical bond of extremely high integrity and a very flat surface

Advantage of Cracks Free wear plate

- Reduced friction, improved material flow, reduced hang-up of sticky materials
- Longer service life & lower cost
- Highly corrosion resistant
- Good corrosion resistant





Application

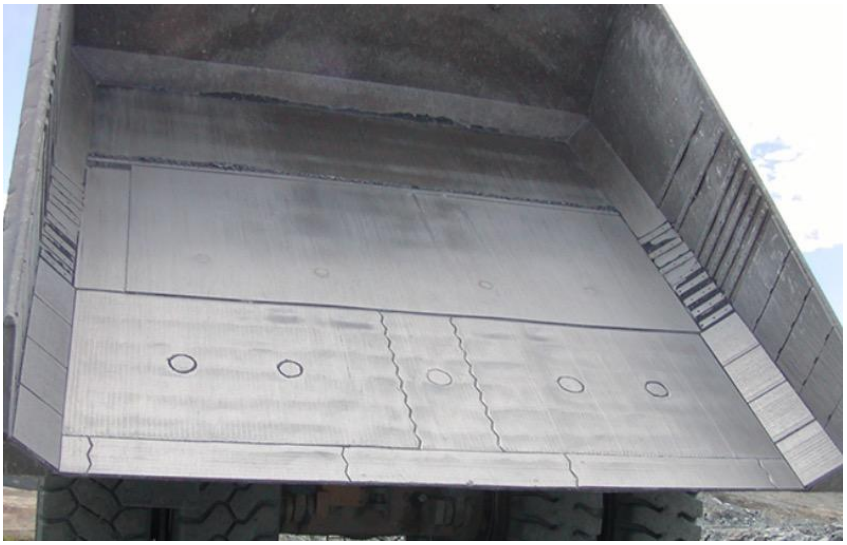
Mining and Quarrying: Smooth overlay plates are used in mining and quarrying operations to protect equipment and machinery from wear caused by abrasive materials.
They are applied to buckets, chutes, hoppers, and conveyor systems to extend their lifespan and reduce maintenance costs.



Dozer Blade wear



Convey prevention liner



Truck wear kit



Hammer crusher wear liner

Power Generation: Power plants, especially those utilizing coal, face challenges of wear and abrasion in various equipment. Smooth overlay plates are utilized on coal chutes, pulverizers, to combat wear caused by the abrasive nature of coal



Wear liner



Wear pipe

Type of smooth overlay plate Application

Type of Plate	Chemical Composition(%)	Hardness HRC	Application
DCF-60	C:2.0-5.0 Cr:18-35 V,Mo:<1.5	58-63	High-abrasion and medium-impact resistance
DCF-80	C:2.0-5.0 Cr:18-28 Nb,Ti,V,:2-4	58-63	Severe-abrasion and high-impact resistance

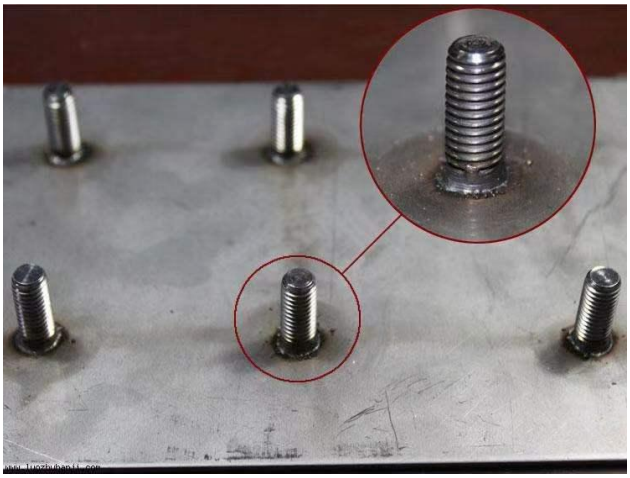
Available Dimension

Plate Type	DCF-60	DCF-80	Thickness of overlay (mm)	Standard Width*Length(mm)
5on5	√		5	1000/1200*3000
6on6	√		6	1000/1200*3000
8on8	√	√	8	1000/1200*3000
10on10	√	√	10	1000/1200*3000
11on12	√	√	11	1000/1200*3000
18on12	√	√	18	1000/1200*3000
20on15	√	√	20	1000/1200*3000
25on15	√	√	25	1000/1200*3000

Fabrication

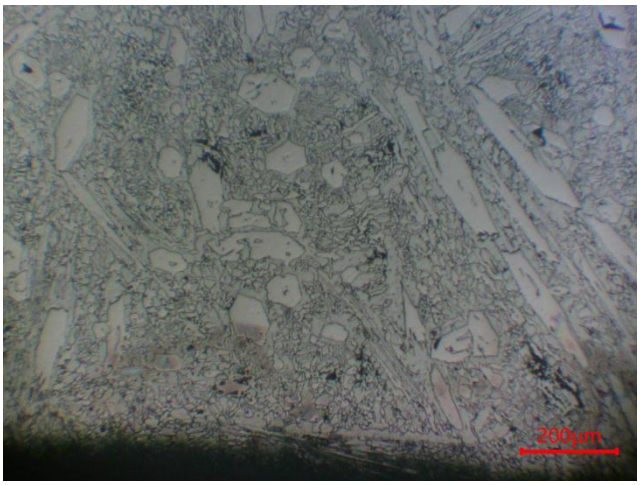
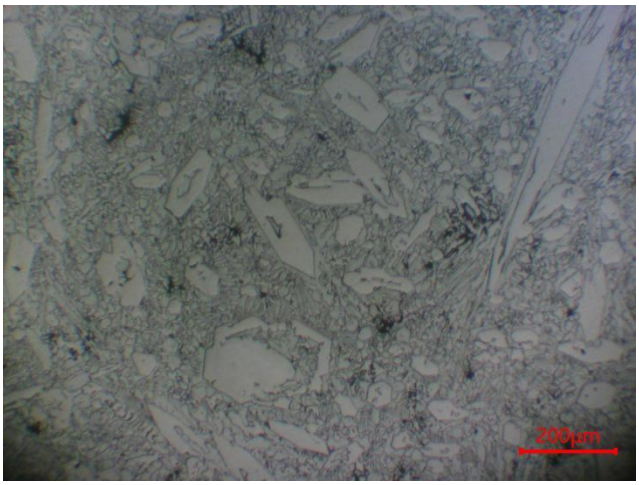
Can be Weld, Bending and Machining

Can be made in different shape and size to fit your working condition





Metallography

DCF-60	
	

DCF-80	
