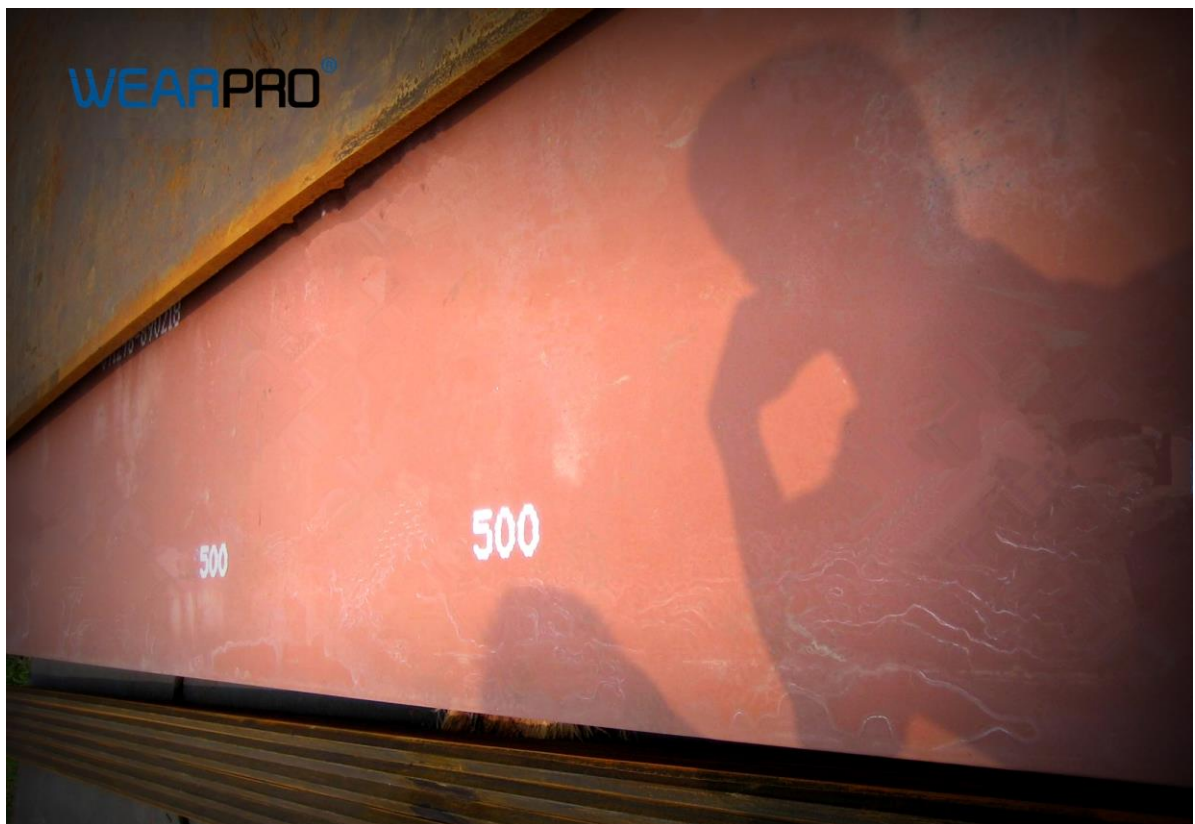


WEARPRO®

# CLIK WEAR PLATES



SteelCLIK is a professional solution provider for projects and special steel users worldwide. Our products and services are widely accepted by projects and companies such as YAMAL project in Russia (the largest LNG project in the world), Shanghai Port phase IV (the greatest deep water port in the world) where Steel CLIK provided 5861MT crane rails and clipping solution as well; new product development of Shantui Group (the largest dozer maker in the world with 72% market share in China), etc.

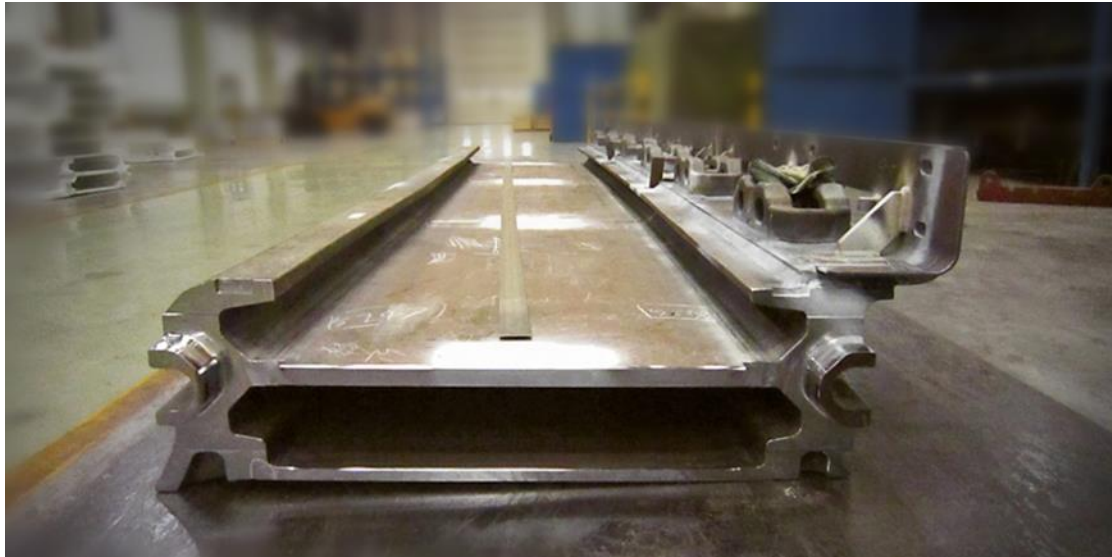


**WEARPRO®** is Clik's own brand of abrasion resistant plates and parts. Covering versatile grades from AR400 to AR650, WearPro plates, available in thickness from 2mm to 120mm, are able to meet your tough demands with various applications in industries of mining & quarrying, cement, processing, engineering, construction, material handling, port, military or other aggressive environments.

Thanks to its unique combination of hardness and toughness, WearPro extends service life of steel structures without deforming and cracking even in low temperature conditions. With its good weldability and bendability, WearPro allows for innovation of designing steel structures and components, giving your business an extra edge in increasing payload, optimizing production, lowering maintenance cost, etc. The selected base material, exquisite quenching treatment and special processes ensure WearPro uniform flatness, thickness and internal properties, contributing to a



stronger, lighter, more cost effective and sustainable world.



**WEARPRO®** is the brand created by CLIK in collaboration with several top mills including Valin Group and China Iron & Steel Research Institute to meet customers' special requirements for wear plates under harsh working conditions.





**WEARPRO® 400****Description:**

With a nominal hardness of 400HBW, WearPro 400 has high toughness, good bendability and weldability, making it the most commonly used in structures with moderate wear.

**Applications:**

Crusher, sieve plate, feeder, feeding hopper, hoist, blade plate, conveyor, scoop, cutting edge, gear, sprocket, dump truck, scraper, industrial trucks, railroad truck, bulldozer, excavator, slurry pipe, screw conveyor, press, etc.

Chemical Composition	Steel Plate	C	SI	Mn	P	S	Cr	Ni
	Thickness	%	%	%	%	%	%	%
	2-120	0.11-0.20	0.38-0.55	1.20-1.55	0.005-0.020	0.005-0.010	0.01-0.60	0.004-0.04
Hardness	HBW 370-430							
Mechanical capacity	10mm thickness steel plate typical value	Yield strength		Tensile strength		Elongation		
		Re		Rm		A5		
		MPa		MPa		%		
		≥1050		≥1250		12		
Impact Toughness	10mm thickness steel plate typical value	Test			Impact Test			
		temperature			Charpy-V Longitudinal			
		°C			J			
		-20			40			



**WEARPRO® 450****Description:**

With an extra 50 Brinell hardness over WerPro 400, WearPro 450 enjoys excellent wear resistance, high strength, durability and impact toughness to provide longer service life, making it the most popular abrasion resistant steel.

**Applications:**

Crusher, sieve plate, feeder, feeding hopper, hoist, blade plate, conveyor, scoop, cutting edge, gear, sprocket, dump truck, scraper, industrial trucks, railroad truck, bulldozer, excavator, slurry pipe, screw conveyor, press, etc.

Chemical Composition	Steel Plate	C	SI	Mn	P	S	Cr	Ni
	Thickness	%	%	%	%	%	%	%
	2-120	0.20-0.26	0.75-0.95	1.60-1.80	0.015-0.020	0.005-0.010	0.01-0.60	0.001-0.04
Hardness	HBW 420-480							
Mechanical capacity	10mm thickness steel plate typical value	Yield strength		Tensile strength		Elongation		
		Re		Rm		A5		
		MPa		MPa		%		
		≥1150		≥1300		10		
Impact Toughness	10mm thickness steel plate typical value	Test			Impact Test			
		temperature			Charpy-V Longitudinal			
		°C			J			
		-20			30			



**WEARPRO® 500****Description:**

WearPro 500, bendable and weldable with a nominal hardness of 500HBW, suits applications of higher wear resistance for its high strength and durability.

**Applications:**

Crusher, sieve plate, feeder, feeding hopper, hoist, blade plate, conveyor, scoop, cutting edge, gear, sprocket, dump truck, scraper, industrial trucks, railroad truck, bulldozer, excavator, slurry pipe, screw conveyor, press, etc.

Chemical Composition	Steel Plate	C	SI	Mn	P	S	Cr	Ni
	Thickness	%	%	%	%	%	%	%
	2-120	0.30-0.37	0.25-0.40	0.40-1.60	0.010-0.020	0.005-0.010	0.30-0.80	0.002-0.60
Hardness	HBW 520-580							
Mechanical capacity	10mm thickness steel plate typical value	Yield strength		Tensile strength		Elongation		
		Re		Rm		A5		
		MPa		MPa		%		
		≥1300		≥1550		6		
Impact Toughness	10mm thickness steel plate typical value	Test			Impact Test			
		temperature			Charpy-V Longitudinal			
		°C			J			
		-20			12			



**WEARPRO<sup>®</sup> 550****Description:**

With a nominal hardness of 550HBW, WearPro550 is similar to WearPro 500 but increases wear life.

**Application:**

Crusher, sieve plate, feeder, feeding hopper, hoist, blade plate, conveyor, scoop, cutting edge, gear, sprocket, dump truck, scraper, industrial trucks, railroad truck, bulldozer, excavator, slurry pipe, screw conveyor, press, etc.

Chemical Composition	Steel Plate	C	SI	Mn	P	S	Cr	Ni
	Thickness	%	%	%	%	%	%	%
	2-120	0.30-0.37	0.25-0.40	0.40-1.60	0.010-0.020	0.005-0.010	0.30-0.80	0.002-0.60
Hardness	HBW 520-580							
Mechanical capacity	10mm thickness steel plate typical value	Yield strength		Tensile strength		Elongation		
		Re		Rm		A5		
		MPa		MPa		%		
		≥1300		≥1550		6		
Impact Toughness	10mm thickness steel plate typical value	Test			Impact Test			
		temperature			Charpy-V Longitudinal			
		℃			J			
		-20			12			





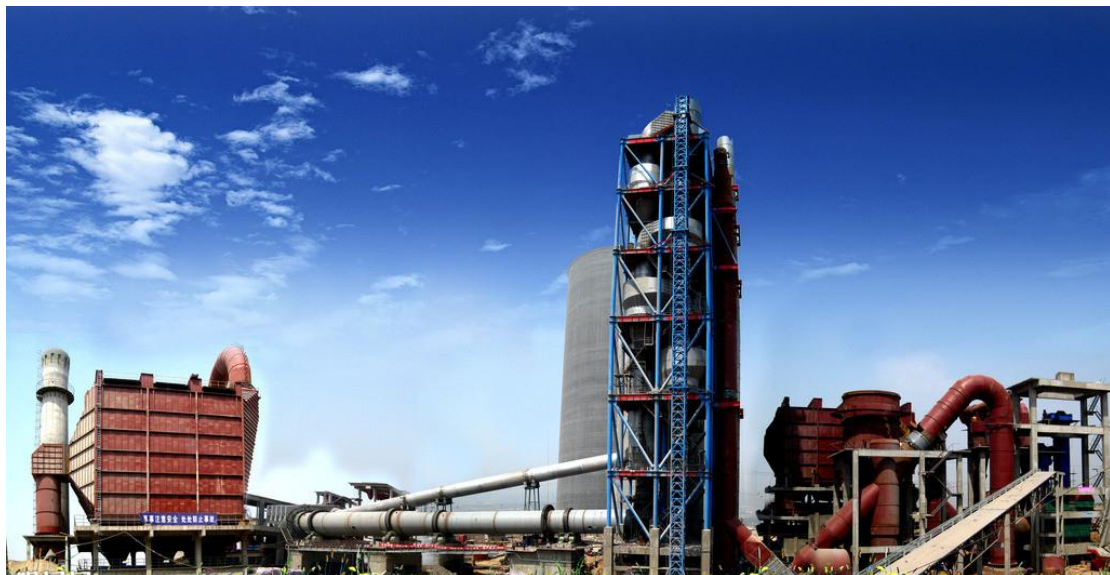
**WEARPRO® 600****Description:**

Extra hard at a nominal hardness of 600HBW, WearPro 600 is highly applicable to extreme wear conditions.

**Application:**

Crusher, sieve plate, feeder, feeding hopper, hoist, blade plate, conveyor, scoop, cutting edge, gear, sprocket, dump truck, scraper, industrial trucks, railroad truck, bulldozer, excavator, slurry pipe, screw conveyor, press, etc.

Chemical Composition	Steel Plate	C	SI	Mn	P	S	Cr	Ni
	Thickness	%	%	%	%	%	%	%
	2-120	0.35-0.40	0.20-0.80	0.40-1.60	0.010-0.020	0.005-0.010	0.25-1.0	0.002-0.60
Hardness	HBW 560-620							
Mechanical capacity	10mm thickness steel plate typical value	Yield strength		Tensile strength		Elongation		
		Re		Rm		A5		
		MPa		MPa		%		
		≥1450		≥1650		5		
Impact Toughness	10mm thickness steel plate typical value	Test			Impact Test			
		temperature			Charpy-V Longitudinal			
		°C			J			
		-20			10			





**WEARPRO® 650****Description:**

At a nominal hardness of 650HBW, WearPro 650 is an abrasion resistant steel in applications when hardness and extreme wear resistance are top priorities.

**Application:**

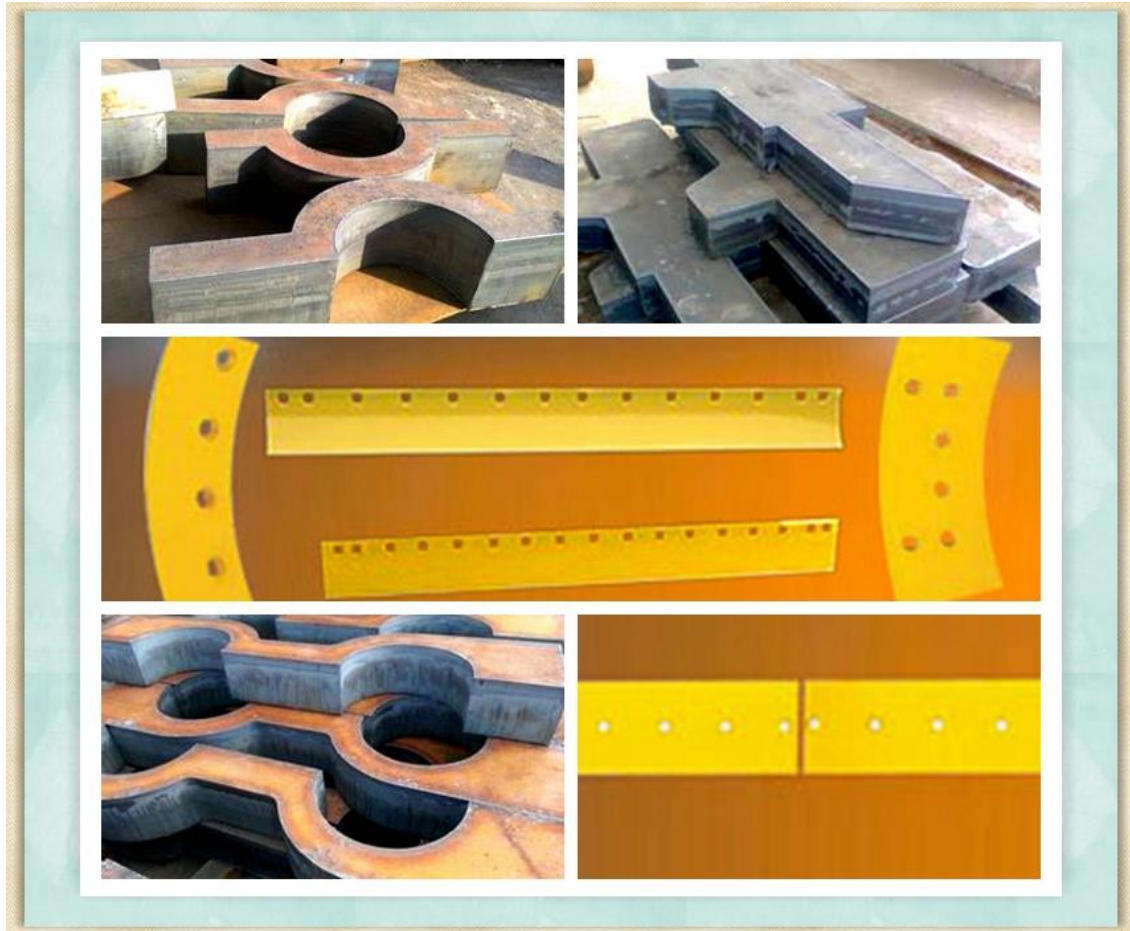
Crusher, sieve plate, feeder, feeding hopper, hoist, blade plate, conveyor, scoop, cutting edge, gear, sprocket, dump truck, scraper, industrial trucks, railroad truck, bulldozer, excavator, slurry pipe, screw conveyor, press, etc.

Chemical Composition	Steel Plate	C	SI	Mn	P	S	Cr	Ni
	Thickness	%	%	%	%	%	%	%
	2-120	0.40-0.50	0.20-0.80	0.40-1.60	0.010-0.020	0.005-0.010	0.80-1.50	0.002-0.60
Hardness	HBW 620-680							
Mechanical capacity	10mm thickness steel plate typical value	Yield strength		Tensile strength		Elongation		
		Re		Rm		A5		
		MPa		MPa		%		
		≥1500		≥1750		3		
Impact Toughness	10mm thickness steel plate typical value	Test			Impact Test			
		temperature			Charpy-V Longitudinal			
		°C			J			
		-20			6			



## WEARPRO® DOWN-STREAM SOLUTION & SERVICE

Apart from wear plates, we also supply cut-to-size & profiled plates as a one-stop solution provider for your business. Besides, we can provide you with ready-to-use products like cutting edges, blades, etc.

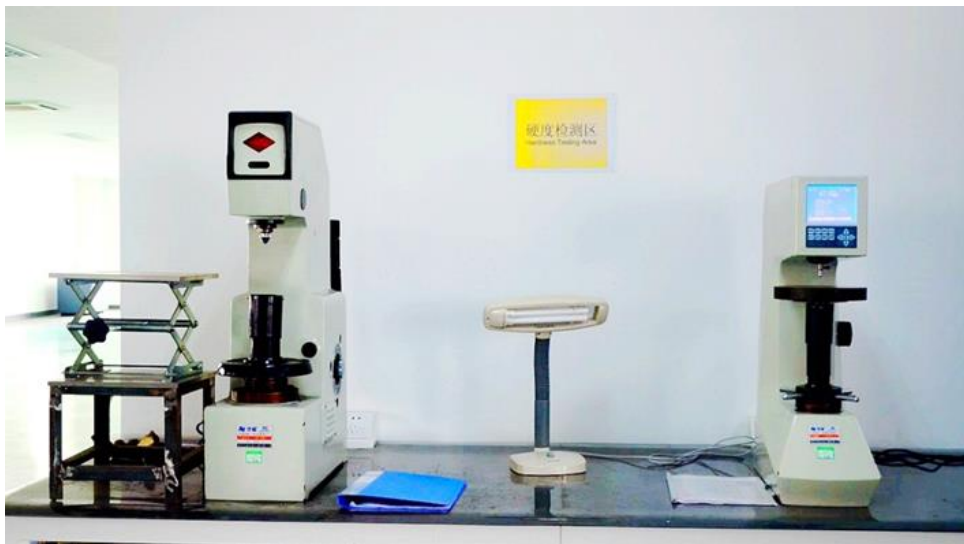


WEARPRO®

## METALLOGRAPHIC TESTING



## HARDNESS TESTING







編號 2197187  
No. \_\_\_\_\_

公 司 註 冊 處  
COMPANIES REGISTRY

**公 司 註 冊 證 明 書**  
**CERTIFICATE OF INCORPORATION**

\*\*\*

本人謹此證明  
I hereby certify that

Clik Limited  
可利客有限公司

於本日根據香港法例第622章《公司條例》  
is this day incorporated in Hong Kong under the Companies Ordinance  
在香港成立為法團，此公司是一間  
(Chapter 622 of the Laws of Hong Kong), and that this company is  
有 限 公 司 。  
a limited company.

本證明書於二〇一五年一月二十八日發出。  
Issued on 28 January 2015.



香港特別行政區公司註冊處處長鍾麗玲  
Ms Ada L. L. CHUNG  
**Registrar of Companies**  
**Hong Kong Special Administrative Region**

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WEARPRO®

CERTIFICATES



BV ASSESSMENT



SO9001



Shanghai Office

Company Name: Steel Clik (Shanghai)Limited

Address: 13F-2, No.918 Huaihai Road (Middle), Shanghai, 200020, China

Tel: 0086- 21- 52839060 Fax: 0086-21-52839020

E-mail: inquiry@steelclik.com

Tech support

Email:- paul.parkins@steelclik.com

UK

E-mail: uk@steelclik.com

Singapore

E-mail: singapore@steelclik.com

India

Email:- arvind.prasad@steelclik.com

Indonesia

Email:- santo@steelclik.com

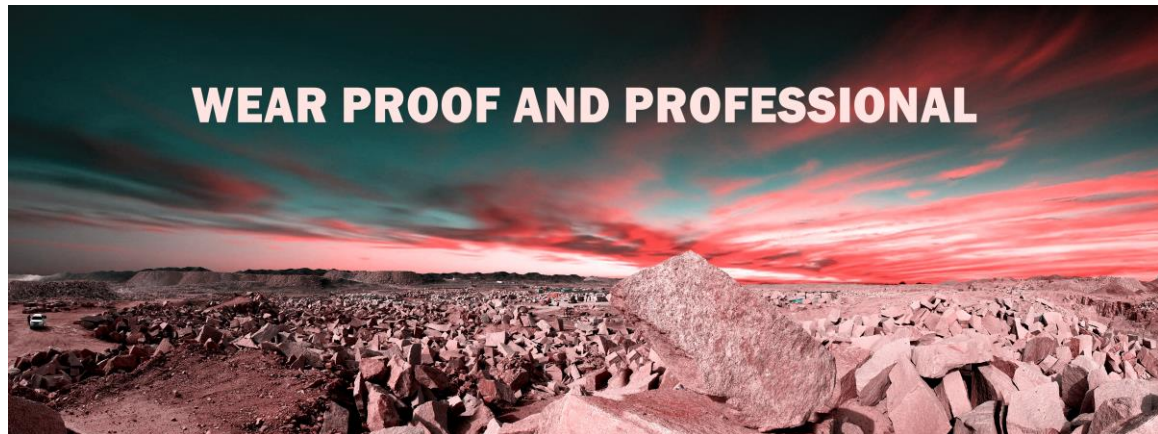


**WEARPRO®**

*For more information, welcome to visit:*

*Wear plates and parts:* [www.wearpro.co.uk](http://www.wearpro.co.uk)

*Steel* [www.steelklik.com](http://www.steelklik.com)



## CLIK TEAM

## CARRYING YOUR EXPECTATION FURTHER

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