Estd. 1966
DH sécheron
Complete Welding Support

LOTHERME

50 YEARS 1960 - 2010

LoTherme WP - 608

Wear Plate for resistance to metal wear, Heavy compressive loads, Impact with mild abrasion.

Characteristics And Applications :

These are nearly crack free Wear plates. Very smooth in deposit suitable for metal to metal wear and abrasion. Suitable for use as liners where nearly crack free surface required. General liners used for resists above wear.

The Technical Details are as Under :

ALLOY BASIS : C, Cr, W, V, Mo.

HARDNESS : 54 - 58 RC

Standard Available Sizes :

Thickness Ranges (mm) : 8+4, 8+5, 8+6, 8+7, 8+8, 10+3, 10+4, 10+5,..... in mm As per requirements

Plate Sizes : 3000 x 1000, 2000 x 1000 mm

: (2200 x 2200 - available on request)

Mounting : Drilling, Nut Bolt, Plug Weld, Bendign Possible upto 150°R

Identification Mark :

Name printed on the plates & punched on the base plates.

LoTherme

Estd. 1966
DH sécheron
Complete Welding Support

LoTherme WP - 611

Wear Plate for moderate abrasion and moderate impact & sliding wear

Characteristics And Applications :

These have been developed to provide superlative Wear resistance on ferrous parts subject to high abrasion or erosion. Application includes Blow Bars, Screens, Grizzly Bars.

The Technical Details are as Under :

ALLOY BASIS : C, Cr, Mn, Si, B

HARDNESS : 56 - 60 RC

Matrix - Austenitic & Martensitic

The Salient Features :

1. It is chromium carbide wear plate, which has an even concentration of borides, which adds to life.
2. It is manufactured by **CNC controlled processes** that ensures dilution of only 5% on base plate thereby ensuring high concentration of carbides and better wear resistance.
3. Minimal dilution with base material due to rapid cooling of the alloyed smelting bath.

Standard Available Sizes :

THICKNESS RANGES : 5+3, 6+3, 6+4, 6+6, 8+3, 8+4, 8+5, 8+6, 8+7, 8+8, 10+3, 10+4, 10+5,..... in mm As per requirements

Plate Sizes : 2200 x 1000 mm
: (2200 x 2200 - available on request)

Identification Mark :

Name printed on the plates & punched on the base plates.

Estd. 1966
D&H sécheron
Complete Welding Support

LOTHERME

50 YEARS 1965 - 2015

LoTherme WP - 612

For abrasion and low angle impact erosion up to 650°C.

Characteristics And Applications :

These have been developed to provide superlative Wear resistance on ferrous parts subject to high abrasion or erosion. Application includes medium temp. liners, used in core sector industries.

The Technical Details are as Under :

ALLOY BASIS : C, Cr, Mn, Si, B, W

HARDNESS : 59 - 64 RC

WEAR RESISTANCE COMPARED TO **MILD STEEL FOR HARD LAYER** IS 1: 32 TIMES UNDER TEST CONDITIONS AS PER ASTM - G - 65 / 1994

The Salient Features :

1. It is chromium carbide cladding having a high concentration of primary carbides and borides, which adds to life.
2. It is manufactured by **CNC controlled processes** that ensures high concentration of carbides and better wear resistance.

Standard Available Sizes :

THICKNESS RANGES : 4+2, 5+3, 6+3, 6+4, 6+6, 8+3, 8+4, 8+5, 8+6, 8+7, 8+8, 10+3, 10+4, 10+5,..... in mm As per requirements

Plate Sizes : 3000 x 1000, 2200 x 1000 mm

: (2200 x 2200 - available on request)

Identification Mark :

Name printed on the plates & punched on the base plates.

LoTherme

Estd. 1966
DH sécheron
Complete Welding Support

LoTherme WP - 615

For severe abrasion resistance and high not hardness up to 800°C

Characteristics And Applications :

These have been developed to provide superlative Wear resistance on ferrous parts subject to abrasion resistance and erosion. Application includes. Sinter crushers liners, BLT Chute, Burners etc.

The Technical Details are as Under :

ALLOY BASIS	:	C, Mn, Si, Cr, Mo, W, Nb, V
HARDNESS	:	63 - 67 RC
PRIMARY CARBIDES	:	60 - 65 %
SECONDARY CARBIDES	:	20 - 30 %

WEAR RESISTANCE COMPARED TO **MILD STEEL FOR HARD LAYER** IS 1: 50 TIMES UNDER TEST CONDITIONS AS PER ASTM - G - 65 / 1994

The Salient Features :

1. This wear plate constitutes of Complex chromium carbide high concentration of secondary carbides.
2. These are manufactured by **CNC controlled processes** that ensures.
3. Minimal dilution with base material.

Standard Available Sizes :

THICKNESS RANGES : 4+2, 5+3, 6+3, 6+4, 6+6, 8+3, 8+4, 8+5, 8+6, 8+7, 8+8, 10+3, 10+4, 10+5,..... in mm As per requirements

PLATE SIZES : 2200 x 1000 mm

: (2200 x 2200 - available on request)

Identification Mark :

Name printed on the plates & punched on the base plates.

Estd. 1966
D&H sécheron
Complete Welding Support

LOTHERME

50 YEARS

LoTherme WP - 617

Wear plate for abrasion / erosion under moderate / heavy impact loads

Characteristics And Applications :

These have been developed to provide superlative Wear resistance on ferrous parts subject to abrasion resistance and erosion. Application includes Coal, Steel, Cement mill liners. These plates can withstand temperatures of up to 650°C.

The Technical Details are as Under :

ALLOY BASIS : C, Cr, Mn, Si, V, Mo, W

HARDNESS : 58 - 63 RC

Primary Carbides : 40 - 45 %

Secondary Carbides : 10 - 15 %, Boride : 5 - 10 %

The Salient Features :

1. It is Complex chromium carbide with dense carbide concentration, which adds to life.
2. It is manufactured by **CNC controlled processes** that ensures high concentration of carbides and better wear resistance.

Standard Available Sizes :

THICKNESS RANGES : 5+3, 6+3, 6+4, 6+6, 8+3, 8+4, 8+5, 8+6, 8+7, 8+8, 10+3, 10+4, 10+5,..... in mm As per requirements

PLATE SIZES : 3000 x 1000, 2200 x 1000 mm

: (2200 x 2200 - available on request for thickness above 16 mm)

Identification Mark :

Name printed on the plates & punched on the base plates.

LOTHERME

Estd. 1966
DH sécheron
Complete Welding Support

LoTherme WP - 625

Wear plate for severe impact under heavy load

Characteristics And Applications :

These have been developed to provide superlative Wearresistance on ferrous parts subject to high abrasion or erosion. Application includes Mill guards, Chutes, Scrappers, Clinker components, Mixer liners.

The Technical Details are as Under :

ALLOY BASIS	:	C, Mn, Si, Cr, Nb Ti
HARDNESS	:	As deposited 25 - 30 RC Work hardened 48 - 52 RC
TEMPERATURE RESISTANCE	:	200°C
APPLICATION	:	ON HIGH IMPACT AREAS

The Salient Features :

1) The construction is with Niobium and Titanium carbides in austenitic grain boundaries. It is therefore suitable for high impact and will also take abrasion due to these carbides.
2) The austenite changes to martensite on impact and therefore the wear resistance improves with impact. The hardness goes up from **25 RC** to about **50 RC** on Impact.

Standard Available Sizes :

THICKNESS RANGES	:	4+2, 5+3, 6+3, 6+4, 6+6, 8+3, 8+4, 8+5, 8+6, 8+7, 8+8, 10+3, 10+4, 10+5,..... in mm As per requirements
PLATE SIZES	:	3000 x 1000, 2200 x 1000 mm
	:	(2200 x 2200 - available on request for thickness above 16 mm)

Identification Mark :

Name printed on the plates & punched on the base plates.