



Bucket Cylinder Protection System

ChromeGuard is an innovative protection system designed to protect the bucket cylinders of mining excavators from rock damage and accident damage. Built from a combination of polyethylene materials and metals it is designed to take the impact and spring back to shape without damaging the cylinder, it can be customised to fit almost any size of cylinders on any excavator.



Supported Machines

Hitachi

- EX 1200
- EX 1900
- EX 2600
- EX 3600
- EX 5600
- EX 8000



CAT

- 6015
- 6020
- 6030
- 6040
- 6050
- 6060



Komatsu

- PC 800
- PC 1250
- PC 2000
- PC 3000
- PC 4000
- PC 5500



Liebherr

- 9150
- 9200
- 9250
- 9350
- 9400
- 9600
- 9800



Why ChromeGuard?

Unlike other protection systems made with materials like steel that bend after an impact, ChromeGuard is built with polyethylene that flexes back to its original shape after an impact. There is no metal between the head of the cylinder and the barrel end where the impact occurs the most.

So whatever hits it, ChromeGuard absorbs the impact and springs back into shape. Apart from providing our clients with an exceptional product that can be adapted to suit any machine, we offer 24X7 service, delivery, and assistance. It's not only the product but also our dedication to serve our clients at all times that makes us one of the trusted partners in the mining sector.

Below is a demonstration of a 300kg Rock being dropped from 10 metres high.





Practical Benefits

When your equipment escapes external damage and continues to perform all year round, you not only save a substantial amount but also avoid delays and downtime in your everyday operations.



Maintenance Capacity

Crippled equipment not only cost production losses but also hinders regular operational maintenance.

ChromeGuard greatly reduces breakdowns associated with accident damage and allows you to focus on preventive and scheduled maintenance.



Peace Of Mind

With ChromeGuards fitted, you won't have to worry about damage to the cylinders on your machines, the high-risk task of changing out cylinders regularly, oil contamination associated with cylinder damage and the logistical challenge of having replacement cylinders all the time.



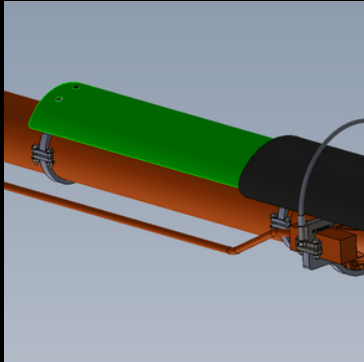
Quick Replacement

With our stocks of critical replacement parts, we offer "same day shipment". The ChromeGuard system is designed so replacement parts can be changed out quickly if damaged.



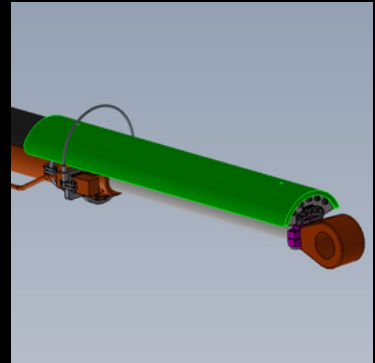
Guide

Self Lubricating HDPE Guide



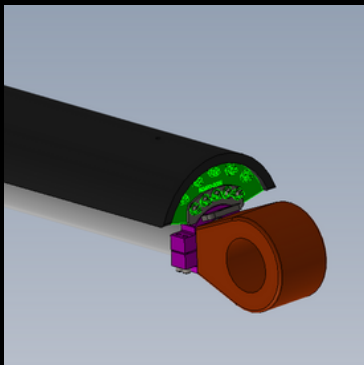
Flexible Guard

HDPE sliding guard



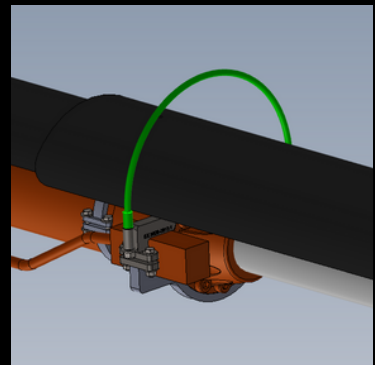
Connection

Flexible connecting bellow



Hoop

Flexible retaining hoop



How Much Could ChromeGuard Save You?

During hard rock mining, when a 500-tonne excavator cylinder gets damaged, about fifty per cent of the time the machine needs to be pulled out of service for repair.

That can be up to half a million-dollar loss of production in twelve-hour shift.

Additionally, each damaged cylinder replacement costs up to \$50,000 in parts and fitment. That is roughly how much ChromeGuard could save you.



Down time



Lost revenue



Parts and labour

CHROME**GUARD**