

COUNTERWEIGHT GUARD

Part Name: Counterweight Guard

Equipment:

XL900 – Optimum Crush Part Number 502123 – CCO Wear Band, 503055 – Full Height CCO

XL1100 – Optimum Crush Part Number 500338 – STD AR, 502930 - CCO

Purpose: Increase Life of Part and Reduce Maintenance Time

Interchangeability with OEM Part: The Optimum Crush® Counterweight Guard is directly interchangeable with the OEM Counterweight Guard (only interchangeable with a bolt-on Guard, not a weld-on Guard).

Background

Several Cone Crusher owners have experienced expedited wear on the leading edge step in the counterweight guard. This wear is caused by material in the air that hits this edge as the Counterweight rotates through it. This “sand blasting” effect on this step wears out much faster than the rest of the counterweight guard thus leading to higher component costs and more time to replace parts. These costs are even higher if damage is done to the counterweight casting.

Optimized Design

To combat the wear issue, Optimum Crush® has designed a single-level Counterweight guard that raises the lower half of the guard to the same height as the upper half. This eliminates the change in geometry so the dust-filled air does not concentrate in one wear point thus significantly increasing the life of the part and reducing the amount of times it needs to be changed.

Material Type: This design is available in our standard AR wear plate material or in Chromium Carbide wear plate material. Depending on the severity and location of wear, we can custom design a guard to fit your application.



Damaged
Counterweight

Worn
Leading Edge



OPTIMUM CRUSH Design