

Crusher Wear Parts from Unified®

Wear replacement parts for most OEM crushers and your unique applications.

Unified® Screening & Crushing maintains one of the industry's largest inventories of ready-to-ship crusher wear parts. We stock a diverse range of jaws, cones, gyratories, vertical (VSI) and horizontal (HSI) impact crusher parts in a variety of alloys and grades from 5 lbs. up to 40,000 lbs. We supply replacement parts for more than 50 OEMs and directly service quarry and mining operations worldwide. No matter what crusher wear parts you need or when and where you need them — make your first call to Unified.

Features:

- The manganese grades stocked by Unified are 14% Mn, 18% Mn, 21% Mn
- High-chrome martensitic and manganese materials are standard for VSI/HSI crusher wear parts
- Extensive quality control program assures proper fit and wear
- The best castings – guaranteed! Alloys meet or exceed industry standards for chemical composition and physical properties
- Thousands of premium quality cone, jaw, VSI and HSI wear parts stocked

Benefits:

- Unified provides wear parts including high-chrome, manganese, martensitic steels and other wear resistant alloys
- Impact wear parts can be customized upon request
- Experts in applications with regional and global experience



Partial - Unified East Coast Manganese Yard.



Partial - Unified West Coast Manganese Yard.

Engineering Expertise:

Unified Screening & Crushing has qualified people to engineer or re-engineer any part you may need for your crusher. Their expertise will make the selection of crusher parts easy.

• Jaw Crusher Wear Parts

Critical factors for jaw crusher wear parts are how long they last and how efficiently they crush the material. Jaw weight, tooth profile and proper fit are all important considerations for efficient crushing. Efficiency requires proper tooth design. The proper tooth profile can be determined for each crushing application with the help of experienced service representatives.



• Cone crusher wear parts

The critical factors for cone crusher wear parts are the open and closed side feed settings. The reduction ratio is the top size of the feed opening divided by the closed side setting (CSS) in inches. Reduction ratio will help determine the proper profile for each operation — options are coarse, medium and fine profiles. We can help you match the profile to your crushing needs.

Also check the product wear of the mantle and bowl liner to confirm wear patterns. OEM specs assure proper fit which minimizes vibration for optimal wear. Knowledge of OEM parts and numbering systems is crucial for ordering the right part.

• VSI and HSI crushers

Vertical shaft impactor (VSI) and Horizontal shaft impactor (HSI) crushers are both characterized by low capital costs and properly scheduled maintenance. It's important to minimize these costs and maximize plant uptime by selecting the correct alloy for wear parts.

Impact crushers are application-sensitive so you should consider feed size, type of material and the desired product. HSI crushers, for example, are commonly used by shot rock quarry operations, sand and gravel producers and recyclers. Selecting the wrong alloy can cause breakage of bars, accelerated wear and catastrophic failure to the crusher.

Also ensure an accurate fit to minimize vibration. All moving parts must be installed in matched weights to keep the crusher in balance. Unmatched weights can cause excessive vibration and cause crushers to break parts or cause premature failure.



VSI Wear Table



HSI Blow Bars

For more information, visit unifiedscreening.com, e-mail: sales@unifiedscreening.com or call 866-968-3697