

Success Story



ESCO mantle and concaves for  
Metso Nordberg GP300S cone crusher



INDUSTRY  
Aggregate

CUSTOMER  
Quarry in Poland

APPLICATION  
Crushing basalt

EQUIPMENT  
Metso Nordberg GP300S  
cone crusher

## ESCO crusher parts outperform OEM parts by 29% more tons of material produced

### Challenge

A basalt quarry located in Poland was looking for better wear life from crushing wear parts for a Metso Nordberg GP300S cone crusher.

### Solution

The ESCO crushing wear parts used an equivalent crushing chamber design to maintain the desired performance. To improve wear life, ESCO wear parts are produced with premium alloys and a commitment to unsurpassed quality. ESCO alloy 14R was selected because its optimized levels of carbon, manganese and chrome deliver superior wear resistance in this abrasive application.

### Results

In consecutive trials, the quarry used ESCO parts in head-to-head comparison to OEM parts. The ESCO crushing wear parts lasted 115 days and produced 297,000 tonnes compared to 100 days and 230,000 tonnes of the OEM product.

### Results included:

- Improved wear life of parts by over 29% tonnes per set
- Reduced changeouts and lower maintenance expense
- Cost savings on liner spend

