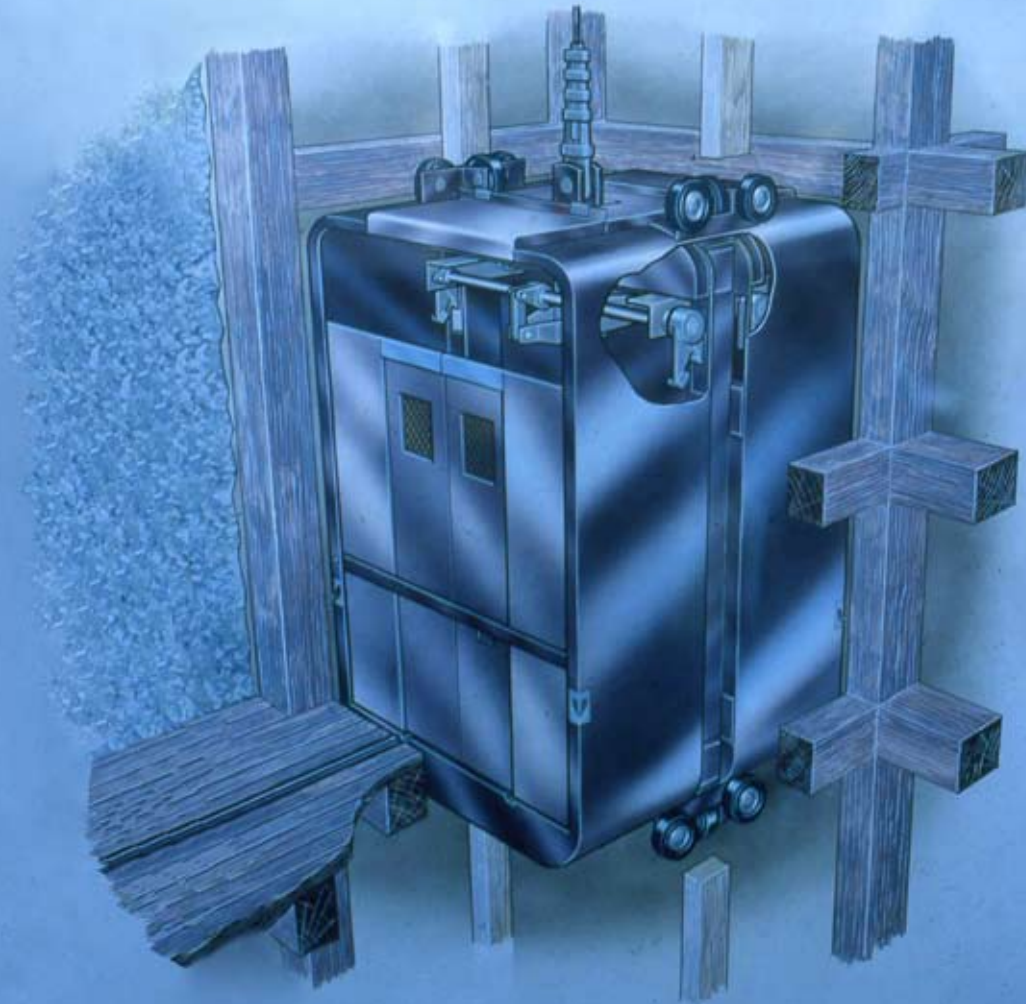


Cages



Dorr-Oliver Eimco
Cages for Underground
Mining Applications



Our cages range from very small Two-Man Auxiliary Cages and Trailer Cages to Multi-Deck Cages handling 250 men or more, or internal loads of trucks, equipment, and material of 50 tons or more.



Top: 128 Man Double Deck Aluminum / Steel cage with re-moveable intermediate floor, Aluminum Inspection Hood, Hydraulic Chairing Device, Safety Dogs and Guide Rollers

Bottom: Guide Slippers service-able from inside the Cage, Safety Dogs and DOE installed Customer's Hydraulic Chairing Device

Custom Designed

Varying Conditions found at installations throughout the world dictate that each cage is a custom design, tailored to the client's specific requirements. All types, Service Cages, Auxiliary and Trailer Cages each with many options and alternatives, such as various designs of cage floors, doors, roofs, removable intermediate decks, and removable counterweights are available.

Cages are usually designed with significant amounts of aluminum to maximize payloads. However materials of construction can include mild steel, stainless steel, and strategically placed combinations of these materials, depending on the application and service conditions.



Safety

For Cages operating with single rope drum hoists, we provide Safety Mechanisms for either wood, steel, or rope shaft guides. The safety mechanism, which is activated by a slack rope condition, brings the cage to a controlled safe stop. Cages are also designed to operate with a multi-rope Koepe hoist. We also provide rope attachments and Safety equipment such as Arrestor Frames for the head frame and shaft sump. These devices are designed to create a predictable deceleration and bring the conveyance to a stop in the event of a hoist problem.

Suspension

Traveling at high speed, these large conveyances also require proper suspension. We offer several types of heavy-duty Guide Rollers and Suspension Systems to suit all conditions.



Stainless Steel Cage

Shown above is the inside of a Stainless Steel Double Deck 88 Man Cage with an Aluminum Roller Door.

This Cage is shown on the left with the doors closed and on the right with the doors open. The Aluminum Roller Door is on the bottom deck. The top deck is equipped with an Aluminum Guillotine door.



Design

All Cages are designed based on over 80 Years of experience of supplying thousands of Cages. With that documented experience, our methods and standards are then coupled with the latest technology engineering design methods and Quality Assurance Systems to produce a Certified Safe and long-lasting Cage.