



# Precision Construction Makes the Difference

The **DEKA LINE OF INDUSTRIAL BATTERIES** incorporates every feature required by today's user of electric industrial trucks. Designed using East Penn engineering technology. Built by master craftsmen according to strict quality assurance guidelines. **DEKA INDUSTRIAL BATTERIES** are the finest available to meet the demands of today's material handling requirements. Deka precision computer-integrated construction provides reliable performance throughout a long life.

## COVER

Heat sealed with lead insert bushing prevents leakage and voltage-to-ground.

## O-RING SEAL

Accommodates positive plate growth without cover distortion and leakage.

## POST

Special alloy for increased strength and conductivity.

## POST PLATE STRAP

Extra-heavy to ensure a permanent connection between posts and plates.

## POSITIVE GRID

A non-porous lead alloy casting designed for maximum current carrying capacity, capable of many years of dependable service. Lead alloy is manufactured on-site and undergoes rigid testing before, during and after casting.

## ACTIVE MATERIAL

Manufactured on-site to exacting specifications and uniformly applied under rigid laboratory control to ensure maximum efficiency throughout long battery life.

## JAR

Molded of high impact-resistant material to remain leak-free under the roughest conditions.

## BRIDGE

Provides firm element support and ample sediment space.

## BOTTOM SHIELD

Provides extra protection on bottom of positive plate to prevent shorting between plate and sediment.

## VENT CAP

Quarter-turn bayonet style simplifies watering and inspection.

## SEPARATOR GUARD

White color increases visibility for fast electrolyte check. Solid insulating fingers extend between plate lugs to prevent shorting between plates and straps.

## NEGATIVE PLATE

Engineered to complement positive plate performance.

## VERTICAL MAT

Laminated construction comprised of uniformly spaced, fine glass tape that imbeds into the active material. Also features an inter-woven glass fiber mat wrapped vertically around the positive plate ensuring optimum active material retention.

## HORIZONTAL MAT

Made of glass fibers with an insoluble binder. Breaks up gas bubbles and increases positive plate insulation and performance.

## RETAINER

A high porosity perforated envelope that encases positive plates and glass mats to prevent shorts and ensure maximum performance and life.

## SEPARATOR

Impervious to heat, acid and corrosion, deep channeled, microporous separators provide insulation between positive and negative plates while allowing the free flow of electrolyte throughout the cell.

## ELECTROLYTE

Ample volume to ensure top performance at all rates of discharge.



## STEEL TRAY

Heavy gauge with acid-resistant protective coating. Steel covers furnished as required.

**"POWERED FOR PERFORMANCE"™**

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