EBo 1450

BORGHI ASSALI S.r.l.

PORT CRANES

GANTRY CRANES

STRADDLE CARRIES

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EBo 1450

Traction and steering systems (electrical and hydraulic) with high load capacity. Application areas:
- Port (shiploaders-special-RTG cranes);
- Airport (passenger boarding bridge);
- Mining (belt conveyors-stacker stacker-conveyors Reclaimers-mobile hopper);
- Lifting and transport (SPMT-boat cranes).

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HOW BORN THE PRODUCT

The net and marked propensity of Borghi Assali to product customization is at the origin of the company's success. Developed and refined over more than 40 years of activity, the ability to customize each product on customer needs has enabled our company to gain significant market share and operate in the most diverse industrial sectors. Following this philosophy are born the drive wheels with high load capacity, drive wheels that are the full expression of the specific technical requirements of the customer. This, of course, implies the possibility of intervening to change any product in all its aspects in order to meet the varied needs related to any type of market or sector of employment.

Our young and dynamic team engaged in the design office, assisted by forefront instrumentation and modern technology, it ensures excellent results with great speed; also our total flexibility in favor of the customer allows to obtain design and prototyping quickly and with cost much content in order to be able to manage customized products even in very few numbers such as serial products.

EBo 1450 ELECTRIC TRACTION AND STEERING WITH LIFTING SYSTEM

New electrical twin drive wheel with high load capacity with lift system, created to be used on ship loaders, RTG, special harbor cranes, SPMT, self-propelled belt conveyors and self-propelled hoppers. This unit has been engineered and manufactured to be installed on very large port cranes (500 tons). A crane mounted 14 units including 8 drive and steering and 6 only steering. Like all products Borghi Assali, also this drive wheel can be customized to specific technical needs of the client in relation to the type of propulsion (electric or hydraulic), the steering mode, the stroke of the lifting system and the type of tires.

DATA SHEET OF THE DRIVE WHEEL ELECTRICALLY OPERATED EBo 1450

Load capacity 36 tons at 4 km/h	Double traction electric motors 25 Kw 400 V AC
Supporting structure in steel	Double Electromagnetic Parking Brake 200 Nm 400 V AC
Painting C5M	Double steering gearboxes 5.000 Nm
Lifting stroke 100 mm.	Double steering electric motors 4 Kw 400 V AC
Double gearboxes 45.000 Nm	Pneumatic wheels 16.00-25
Gearboxes ratio 1:163	

EBo 1450 HYDRAULIC TRACTION AND STEERING

DATA SHEET OF THE DRIVE WHEEL HYDRAULICALLY DRIVEN EBo 1450

Load capacity 30 tons at 3 km/h	Double hydraulic parking brakes
Supporting structure in steel	Single steering gearbox 7.000 Nm
Standard painting	Single steering hydraulic orbital motor
Double gearboxes 26.000 Nm	Slew bearing and pinion
Gearboxes ratio 1:121	Pneumatic tires
Double hydraulic traction axial pistons motors	

DATA SHEET OF THE DRIVE WHEEL ELECTRICALLY OPERATED EBo 1450

Load capacity 30 tons at 0,37 km/h	Double Electromagnetic Parking Brake 100 Nm 400 V AC
Supporting structure in steel	Double steering gearboxes 5.000 Nm
Standard painting RAL 9005	Double steering electric motors 4 Kw 400 V AC
Double gearboxes 65.000 Nm	Slew bearing and pinions for steering
Gearboxes ratio 1:327	Pneumatic wheels tires
Double traction electric motor 10 Kw 400 V AC	

BOOGIE EBo 1450 ELECTRIC TRACTION

New electric boogie with high load capacity, created to be used on Mobile Belt Conveyors, Stacker Conveyors and Mobile Hoppers.This unit has been engineered and manufactured to be installed on Stacker Conveyors 200 tons. Like all products Borghi, this drive wheel can be customized to specific technical needs of the client in relation to the type of propulsion (electric or hydraulic) and the type of tires.

DATA SHEET OF BOGGIE EBo 1450

Load capacity 64 tons. at 0,37 km/h	Double electromagnetic parking brakes 100 Nm
Supporting structure in steel	Steering fork for hydraulic cylinder connection
Standard painting RAAL 9005	Slew bearing
Three gearboxes 65.000 Nm	Pneumatic tires
Three electric traction motors 10 Kw 400 V AC	

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