HIAB cranes deliver anywhere ... *even on water.*

ATLAS POLAR
DELIVERING CUSTOMER SOLUTIONS SINCE 1938

Atlas Polar Company Limited, 60 Northline Road, Toronto ON M4B 3E5 Toll Free: 1 888 799-4422
Tel: (416) 751-7740 Fax: (416) 751-6475 E-mail: info@atlaspolar.com Web: www.atlaspolar.com

Cranes for marine use

Innovative world leading engineering has resulted in a first class crane. Behind the sleek, low head room boom profile of the HIAB XS 166 lies a crane with total flexibility and productivity. The slewing mechanism runs in an oil bath for reduced friction and noise. Throughout the crane JIC couplings are fitted for easy maintenance. Everything is focused on giving you the ideal crane and a quick return on your initial investment.

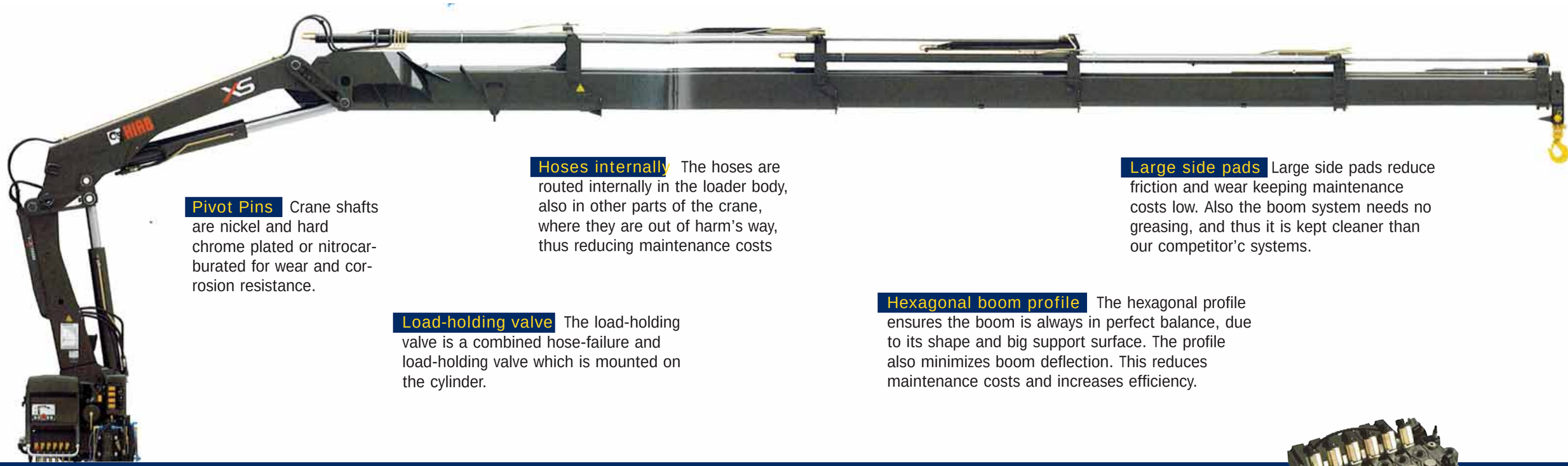
Front runners in boom design

A HIAB crane is built to withstand extreme loading under all kinds of circumstances, in all field conditions. Keeping the boom reliable, tough and sturdy under extreme loading has made HIAB a world leader in crane boom engineering. Taking a closer look at the crane, one can point out a number of features that our customers benefit from.

The painting process

Paint: All steel components start with high tensile steel of excellent quality. Each component goes through a six stage painting process that ensures a very hard and corrosion resistant and UV resistant coating.

The stages are as follows: 1. Shot blasting 2. The component is then immediately pretreated with 8 steps including alkali degreasing and phosphate treatment 3. Pretreatment rinse with purified water 4. Primer paint with the immersion dip method which ensures all surfaces are generously coated and corrosion resistant 5. Powder coated with electrostatic charge 6. Hardening in a convection oven.



Pivot Pins Crane shafts are nickel and hard chrome plated or nitrocarburated for wear and corrosion resistance.

Hoses internally The hoses are routed internally in the loader body, also in other parts of the crane, where they are out of harm's way, thus reducing maintenance costs

Large side pads Large side pads reduce friction and wear keeping maintenance costs low. Also the boom system needs no greasing, and thus it is kept cleaner than our competitor'c systems.

Load-holding valve The load-holding valve is a combined hose-failure and load-holding valve which is mounted on the cylinder.

Hexagonal boom profile The hexagonal profile ensures the boom is always in perfect balance, due to its shape and big support surface. The profile also minimizes boom deflection. This reduces maintenance costs and increases efficiency.

Crane Base The slewing system is rugged rack and pinion design with fully greased or oil bath lubrication. This system provides the very high slewing torque and a minimum of maintenance. All cranes are supplied with a mounting bolt kit and footprint drawing for easy installation. All crane and winch hoses end at a bulkhead plate fitted to the crane base.

Options Planetary winch kits installed on the crane. Electric, gas or diesel self contianed hydraulic power packs. Mounting pedestals for control valve and/or crane.

Fittings and Hardware All fittings and hardware are Iron/Zinc plated for corrosion resistance. Bolts are Zinc/Aluminum Chromate plated. All hose and pipe ends are North American Standard JIC.

Control Valve Hiab's V80 control valve supplied separate form the crane for remote mounting. The control valve has rubber boots on the spool ends to seal out the environment and prevent corrosion.