



Lifting Equipment Suppliers



AJM Engineering is the exclusive South African

agent for the ProSTAR **Lifting Equipment** range; we are the one stop provider for a complete lifting and handling equipment service, with branches throughout South Africa. We also supply quality Fomotech and Autec remote control systems, as well as a wide range of other products and spares, such as the Vacuum Handling systems, chain guides and load chains, which is continually being developed and updated.

We pride ourselves in being an active part of experienced, professional Lifting Equipment Engineers in South Africa, and having staff that are long standing members in addition to a team of qualified technician and engineers. Therefore, when working with us you are given the assurance that your job is being handled by reputable and professional engineers at all times.

Our policy is to supply the ultimate high quality Lifting Equipment to our customers at an affordable price, and we strive to always deliver on what we promise – a quality product/service that is not compromised by the discounts that we offer. At AJM Engineering we aim to provide the most competitive prices in the industry, while maintaining nothing less than five star customer-service at all times.



Crane components

We provide kits for assembling cost-effective cranes. In addition to this, we also provide standard end carriages, standard chassis, Prostar motors, wheel block travel units, and many more. AJM Engineering crane components are the product of numerous years of experience. Together with close collaboration and exchange of experience with crane and steel construction companies throughout the world, our expertise and experience from our own crane construction, benefits our clients.

The Hoisting Motor Brake is designed specifically for lifting. The 2-speed hoisting motors comes with all the necessary protections. Load Wheels and Electric limit Switches are a new patented concept, 5-pockets lifting nut has 5 intermediate teeth for perfect control over the lifting chain. The innovation enables better guidance for the chain and avoids any risk of jamming.

Chain hoists

Differential Hoists use a loop of chain and a dual chain-wheel at the top with various number of pockets on the sides. The lower "hook" wheel has grooves to ride on the chain, but no pockets. As the chain is pulled around the inner load loop gets smaller or larger by the difference in the number of

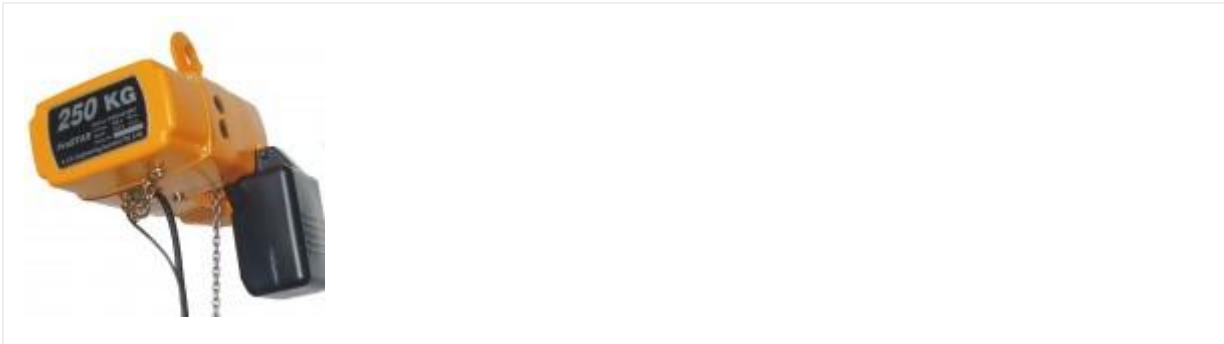
pockets on the chain-wheel (the differential). As the lifting loop gets shorter the hand loop gets longer and vice versa. This is a bit of an inconvenience but the mechanism is as simple as they get.

Lever Ratchet Hoists are small portable units with capacities up to 5 tons but the common ones are rated 1/2 or 1 ton. The ratchet handle operates simple gears that pull a short load chain. The load is supported by a disk type friction brake that looks like an automotive clutch disk held by a paw and sprocket (ratchet). Lifting rotates the brake/clutch on the ratchet. Lowering releases the pressure on the brake via a multi-lead screw similar to a brake Bendix.

Hand Chain Hoists operate like the ratchet hoists above, except a chain wheel and loop of hand chain turns the gearing. A brake holds the load and a ratchet prevents the brake from rotating one direction. The chain-wheel rides on a screw that loosens the brake when the chain is pulled in the lowering direction. Most have planetary gearing on the brake wheel. Chain hoists are made with straight pulls and compound pulls up to 10 tons or more, and are made in steel, portable aluminium housings, spark proof materials and corrosion resistant materials.

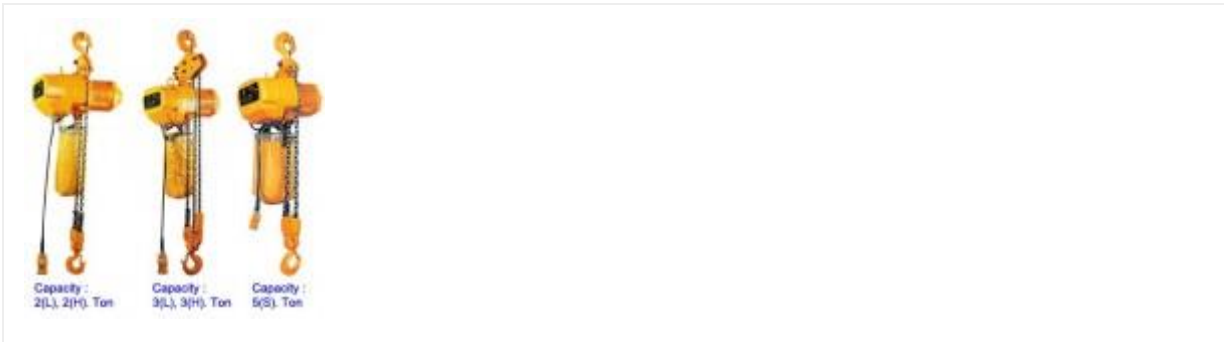
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Electric Chain Hoist



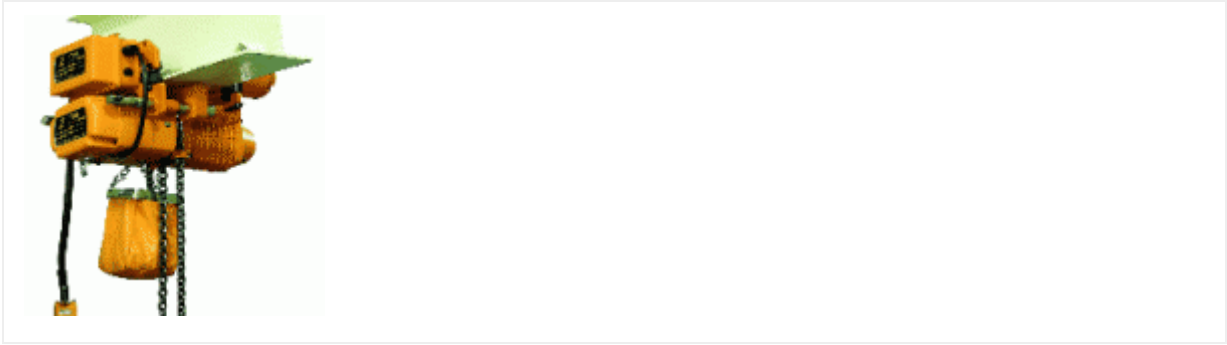
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Electric Chain Hoists



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ProSTAR Electric Chain Hoist



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ProSTAR S Series-10 Ton Electric Hoists



New Products

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Electric Chain Hoist

