

***SPECTRUM***  
**'ELKHORN'**  
**DISABLED POOL HOIST**

**DESIGN SPECIFICATION**

<b>Model Ref:</b>	<b>'Elkhorn' Model 28500</b>
<b>Lifting Capacity</b>	400 lbs (approx. 180 kg = 28.5 stones) with 1.5 safety factor.
<b>Operation</b>	Powered by a self-contained hydraulic ram. Pumping action of hydraulic ram handle will raise seat. Seat is lowered by pushing handle against ram body.
<b>Range of Motion</b>	62" (1.58m) lifting/lowering range, can accommodate both in-ground and above-ground applications (up to 31" = 790mm wall height). 360° manual rotation.
<b>Materials and Finish</b>	Structural components are 304 stainless steel with polished finish. Hydraulic ram is nitro-tech steel. Sling is one piece open-mesh assembly, adjustable.
<b>Mast Arm</b>	1.9 x 145, 304 stainless steel.
<b>Boom Arm</b>	1.9 x 20, 304 stainless steel.
<b>Overhead Connecting Bar</b>	1.1/2" x 1/4", 304 stainless steel.
<b>Ram</b>	Self-contained hydraulic ram with 18" (450mm) stroke, 400lb (approx. 180 kg = 28.5 stones) capacity. Stainless steel barrel, nitro-tech rod and cylinder castings.
<b>Valve</b>	Self-metering, internal to provide constant flow at varying weights.
<b>Anchoring</b>	Fully grounded 304 stainless steel socket recessed into pool deck with polyolefin sleeve to ensure a stable fit. Unit is fitted with a tamper-resistant cap. Sleeve to be machined to OD of mast arm + 0.006.
<b>Portability</b>	Unit removes from the stainless steel deck socket. No tool required for set-up or removal from socket.
<b>Warranty</b>	2 year for structural components subject to completion of warranty form. 1 year for arm, sling, chain.