Technical Sheet
ASCH7 Atlas Subsea Chain Hoist

Key Features

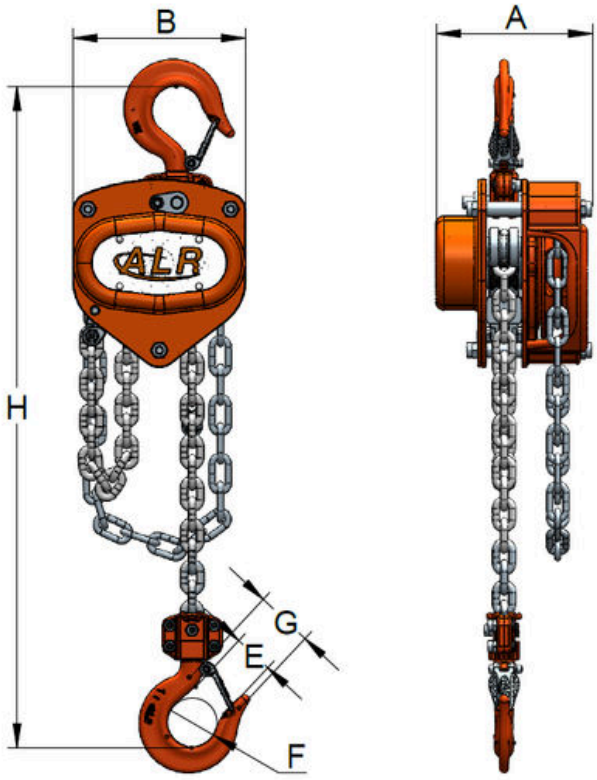
- **Corrosion Protection:** Critical internal components are protected with a high-performance zinc flake coating, providing enhanced corrosion resistance and extended service life in harsh subsea and offshore environments.
- **Marine Grade Powder Coating:** High-performance marine-grade powder coating system providing C5 corrosion protection for outstanding durability and resistance in aggressive offshore and marine environments.
- **Tetra Pawl™ Braking System:** Features two pairs of automatically engaging pawls, providing four independent backstop engagement points for enhanced load security and increased braking redundancy. The unique spring-free design requires no pawl springs, improving reliability and reducing maintenance in demanding subsea and offshore environments.
- **Marine-Grade Lubrication:** Utilises premium Mobil blue grease, specifically selected to deliver enhanced corrosion protection and extended service life in harsh marine and offshore environments.
- **Heavy-Duty Safety Latches:** Top and bottom hooks feature reinforced cast-steel latches for a secure, positive hook closure.
- **Overload & Traceability Markings:** Each hook is clearly marked with overload indicators and identification codes for full compliance and easy inspection.
- **Inspection Access:** The top hook quick-release design allows fast and efficient access to the hook pins, simplifying inspections and reducing maintenance downtime.
- **Cross-Hauling Capability:** Suitable for fleeting applications up to 60deg from the vertical, without reducing the working load limit.
- **Load Chain:** Fitted with G80 alloy steel load chain fully compliant with EN818-7 and a Zinc finish for enhanced corrosion protection.
- **Optional Enhancements:** Overload limiter, ball-bearing hooks, and adaptor fitting to enable a range of attachment options.
- **Temperature Range:** -20°C to +120°C
- **Light Load:** 2% WLL
- **Safety Factor:** 4:1
- **Proof Load Testing:** 1.5 x WLL
- **Standards**
  - British Standard BS EN13157:2004 + AI:2009
  - American Standard ASME B30.16-2014
  - Australian Standard AS1418.2-1997
  - South African Standard SANS 1594:2007
  - NORSOK R-002: 2017.



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ATLAS LIFTING & RIGGING

Data Table



Capacity (t)	0.5	1	1.6	2	3.2	5	7.5	10	15	20	30	50
Product Code	ASCH7 -005	ASCH7 -010	ASCH7 -016	ASCH7 -020	ASCH7 -032	ASCH7 -050	ASCH7 -075	ASCH7 -100	ASCH7 -150	ASCH7 -200	ASCH7 -300	ASCH7 -500
No. Falls	1	1	1	1	2	2	3	4	6	8	12	20
Load Chain (mm)	5x15	6x18	8x24	8x24	8x24	10x30	10x30	10x30	10x30	10x30	10x30	10x30
Mass @ 3m HOL (kg)	8	11	16	17	24	40	75	90	156	191	491	852
Extra mass per m HOL (kg)	1.4	1.6	2.2	2.2	3.6	5.2	7.4	9.5	13.9	19.1	27.8	45.2
A (mm)	127	134	151	157	157	180	180	180	210	225	460	605
B (mm)	130	155	173	185	235	262	373	365	406	550	800	840
E (mm)	26.5	32.5	34.5	34.5	42.5	52.6	63.5	63.5	83	83	112	140
F (mm)	34	40	40	44	48	60	83	83	108	108	140	180
G (mm)	42.5	49	51.5	54.5	61	85	89	89	-	-	-	-
H (mm)	290	330	375	405	490	630	775	815	1000	1100	1550	2000