



**William Hackett**

[www.williamhackett.co.uk](http://www.williamhackett.co.uk)

## WH SS-C4 QP Chain Hoist

The William Hackett SS-C4 QP Chain Hoist meets and exceeds the requirements of the following international standards:

British Standard BS EN13157:2004 + A1:2009

American Standard ASME B30.16-2014

Australian Standard AS1418.2-1997

South African Standard SANS 1594:2007

NORSOK R-002: 2017.

The William Hackett SS-C4 QP chain hoist incorporates the four-pawl mechanical engagement functionality. The unique and patented pawl design enhances the capabilities of the hoist allowing all four pawls to engage with the ratchet gear in an offset configuration allowing finer adjustment and tensioning capability while maintaining pawl/ratchet engagement.

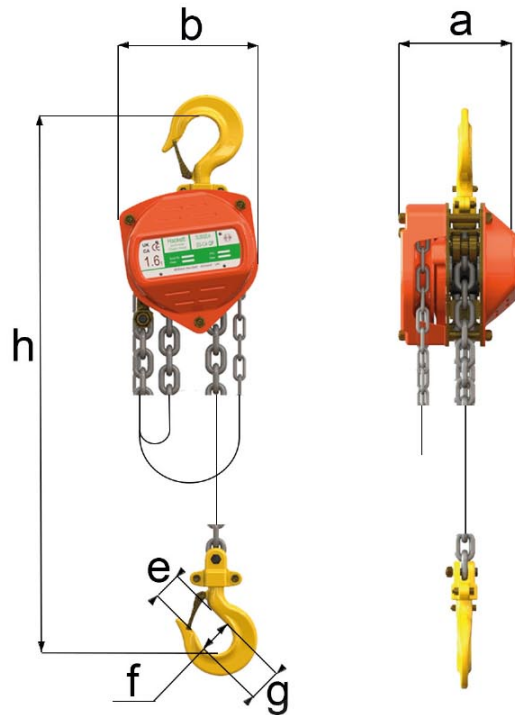
The design and specification of the William Hackett SS-C4 QP chain hoist includes

- **WORKING LOAD LIMIT RANGE:** 500kg to 50 tonnes.
- **LIGHT LOAD CAPABILITY:** the SS-C4 QP is tested and certified at 2% of the chain hoist rated capacity.
- **QUAD PAWL (QP):**
  - enhanced resilience to failure
  - finer tolerance adjustment
  - endurance tested to twice the industry norm
- **SAFETY FACTOR:** 4:1
- **STAINLESS STEEL FIXINGS:** all Internal springs, circ clips securing the pawls onto the pawl stands, nyloc nuts and socket head cap screws are stainless steel.
- **CORROSION PROTECTION:** the complete brake mechanism of the SS-C4 QP is corrosion protected including the pinion shaft, disc hub, change gear, ratchet gear, pawls, pawl stands and load sheave. In addition the load chain guide, stay bolts and chain stripper are also corrosion protected.
- **SAFETY LATCHES:** hooks are fitted with heavy duty cast steel latches. The latch and hook tip integrated creating a strong and robust hook closure.
- **HOOK OVERLOAD AND TRACEABILITY MARKS:** hooks have overload indicator marks either side of the throat (500kg to 10t). Both top and bottom hooks are embossed with a batch code, manufacturer's mark and the working load limit for full traceability and compliance to international standards.
- **HAND CHAIN JOINER:** a unique hand chain joiner is used as a quick and secure method of joining the hand chain.
- **HOOK HOUSING:** secured with socket head cap screws/hex head bolts and nyloc insert locking nuts to allow full inspection.
- **FLEETING/CROSS HAULING:** independently tested (test report 2550-7615) for fleeting or cross hauling applications up to 45° from the vertical without deration of the WLL.
- **LOAD CHAIN:** the SS-C4 QP (Quad Pawl) chain hoists are fitted with Grade T (8) load chain that fully complies with international standard BS EN818-7 Grade T (8). The option of calibrated Grade S (6) 316L stainless steel load chain, hand chain and bottom hook (stainless steel bottom hooks are only available for 500kg and 1t units).
- **TEMPERATURE RANGE:** -40°C to +120°C.
- **MARINE PAINT:**
  - ISO12944 Category C5 - very high corrosive environments
  - AkzoNobel Interpon Redox Triplex 3-layer paint system
  - Paint system design life: 7-15 years.
- **PROOF TESTED:** 500kg to 10 tonne hoists are proof tested to 1.5 times the Working Load Limit. 15 tonne to 50 tonne hoists are proof tested to 1.25 times the Working Load Limit.
- **HIGH PERFORMANCE GREASE:** used throughout the SS-C4 QP hoist enhancing the corrosion protection.
- **OVERLOAD LIMITER:** available as an option upon request.
- **MANUFACTURED AND PROOF TESTED IN THE UK.**

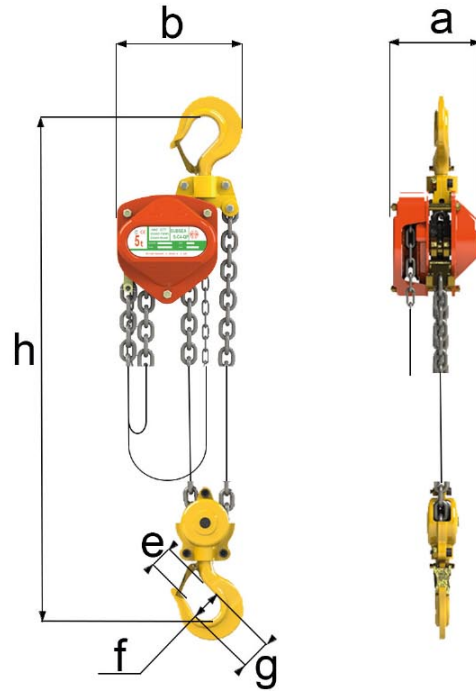


# Specifications

## Single Fall



## Multi Fall



Part Code	WLL tonnes	No. of Falls	Load Chain Size mm	a mm	b mm	e mm	f mm	g mm	h min mm	Mass kg 3m HOL	Extra Weight per m kg
025.SS.053	0.5	1	6.0 x 18	134	155	25.5	40	49.0	350	11.1	1.71
025.SS.103	1.0	1	6.0 x 18	134	155	25.5	40	49.0	350	11.1	1.71
025.SS.163	1.6	1	8.0 x 24	157	185	30.0	40	51.5	390	16.8	2.24
025.SS.203	2.0	1	8.0 x 24	157	185	30.0	44	54.5	410	16.8	2.24
025.SS.32D3	3.2	2	8.0 x 24	157	235	37.5	48	61.0	495	24.2	3.58
025.SS.503	5.0	2	10.0 x 30	180	262	43.0	60	85.0	635	38.4	5.24
025.SS.753	7.5	3	10.0 x 30	180	373	53.0	83	89.0	775	58.2	7.51
025.SS/1003	10.0	4	10.0 x 30	180	406	53.0	83	89.0	815	68.9	9.58
025.SS/1503	15.0	6	10.0 x 30	210	406	80.0	108	-	1000	116.7	13.92
025.SS/2003	20.0	8	10.0 x 30	225	550	80.0	108	-	1100	149.5	19.16
025.SS/3003	30.0	12	10.0 x 30	460	800	112.0*	140	-	1550	515.0	27.84
025.SS/5003	50.0	20	10.0 x 30	580	840	140.0*	180	-	2000	750.0	45.20

\*Measurement without latch



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