



TCB CHAIN BLOCK

The classic heavy duty light weight chain block.

- Range from 500kg - 30000kg
- Double cover protection for brake chamber
- ***NEW* Patented Twin Cam shaped pawl design**
- Guaranteed 2% light load protection and proof tested to 1.5 times rated capacity
- Overload protection available
- Tested and certified for "fleeting" and "cross-hauling" applications
- Safe reliable independent twin pawl mechanical brake
- Heat treated alloy steel triple spur gears and pinion shaft
- Minimal overhaul effort
- SANS 1594 compliant

Manufactured and evolved over 50 years, Tiger chain blocks offer the perfect balance between operator effort and speed of lift, ensuring maximum mechanical efficiency. The short head room allows for easy installation where space is limited. Using the highest quality steel materials, the TCB is a lightweight, compact and rugged construction. All major components are heat treated and precisely machined to

ensure long term smooth operation. The strong impact resistant gearbox housing has close tolerance fit bearings that fully support the pinion shaft and planet gears, to maintain smooth revolutions under load. These units meet and exceed all the requirements within **BS EN 13157:2004, ANSI/ASME B30.21-2005, AS1418.2 and SANS 1594.**



Drop forged and heat treated wide opening alloy hooks incorporating heavy duty latch kits that fully engage into the nose of the hook offering maximum load security.



Recessed forgings offer full protection to the load chain anchor bolts on all our bottom hooks.



Strong and contoured chain end anchor will hold a load of at least 2.5 times the rated capacity when supporting the full load without restraint from other components e.g. brake or gearing. This prevents accidents, by acting as a stop when the lift length of the load chain is exceeded when lowered.




The fine tolerance deep pockets on the hand wheel ensure positive engagement of the hand chain at all times for smooth operation. Overload protection available.



Shown with optional corrosion resistant load chain.

| Product Code | Capacity (ton) | Effort (kg) | Headroom (mm) | Load Chain | | Standard HOL (m) | Mass @ std HOL (kg) | Mass for extra metre HOL (kg) |
|--------------|----------------|-------------|---------------|---------------|--------------|------------------|---------------------|-------------------------------|
| | | | | Diameter (mm) | No. of falls | | | |
| TCU005 | 0.5 | 21 | 305 | 6.3 | 1 | 3 | 10.8 | 1.86 |
| TCU010 | 1.0 | 25 | 340 | 6.3 | 1 | 3 | 11.8 | 1.86 |
| TCU015 | 1.5 | 32 | 385 | 7.1 | 1 | 3 | 16.2 | 2.10 |
| TCU020 | 2.0 | 34 | 420 | 8.0 | 1 | 3 | 20.0 | 2.39 |
| TCU030S | 3.0 | 38 | 550 | 10.0 | 1 | 3 | 30.8 | 3.17 |
| TCU030 | 3.0 | 34 | 465 | 7.1 | 2 | 3 | 23.3 | 3.20 |
| TCU050 | 5.0 | 37 | 575 | 8.0 | 3 | 3 | 37.8 | 5.17 |
| TCU080 | 8.0 | 37 | 745 | 8.0 | 4 | 3 | 67.0 | 6.56 |
| TCU100 | 10.0 | 40 | 660 | 10.0 | 3 | 3 | 65.0 | 7.54 |
| TCU150 | 15.0 | 41 | 840 | 10.0 | 5 | 3 | 131.4 | 11.85 |
| TCU200 | 20.0 | 43 | 1050 | 10.0 | 6 | 3 | 180.5 | 14.20 |
| TCU300 | 30.0 | 42 | 1200 | 10.0 | 10 | 3 | 300.0 | 23.80 |

This unit can also be supplied to ATEX approved spark resistant specification.



Subsea units also available on request