



Tiger
by Bullivants
HANDLING SAFETY

Tiger Hoisting Range & Tiger Subsea Lifting Products

OUR INNOVATION, YOUR SAFETY



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Continuing a proud history of partnerships, Bullivants is proud to partner with Tiger Lifting.

The Tiger range of Hoisting products provide quality and innovation for your lifting needs.

Bullivants is proud to be the exclusive distributor of Tiger Lifting in the Asia Pacific region.

Tiger the home of ultimate quality, durability and safe lifting.

Tiger Lifting manufacture and provide the full range of Tiger Lifting products globally, including the Tiger Subsea Lifting range.

The Tiger brand of manual lifting products has been manufactured for 50 years and has a proven track record and an enviable reputation for supplying high quality products into a varied cross section of demanding industries.

Innovation, quality and a client centric focus.

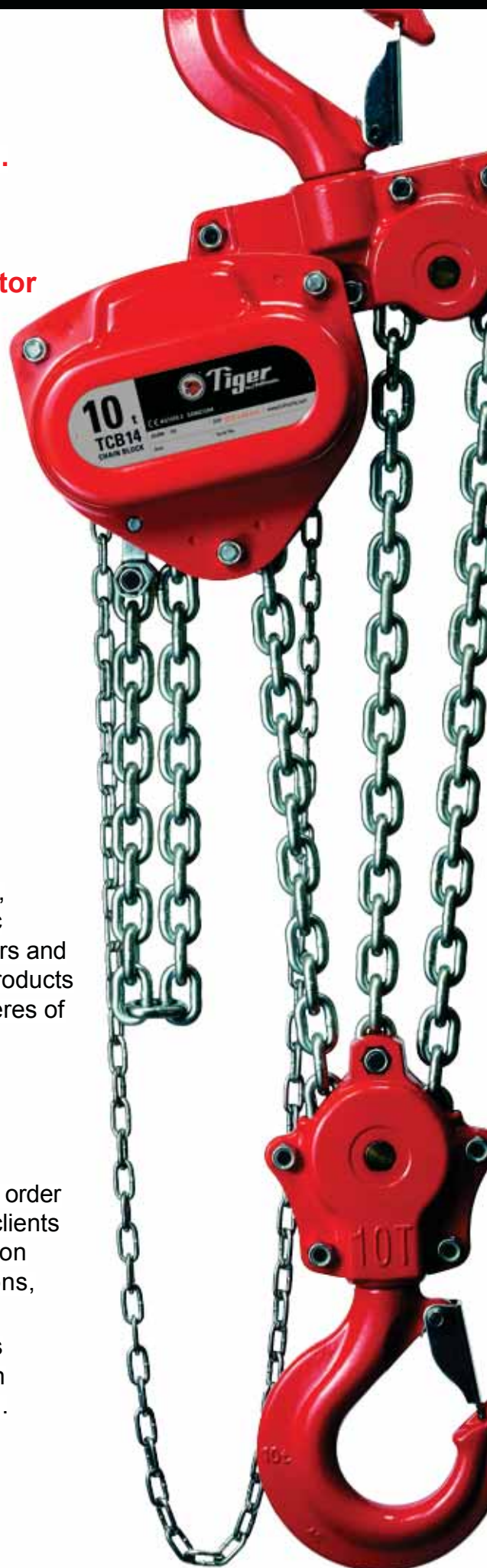
We are certified to ISO9001 and offer innovation, quality, value, and the highest standards of service. A client-centric ethos ensures we are constantly working with our customers and clients to develop our products based on your needs. Our products meet or exceed all international standards, serving all spheres of industry in the world.

A brand to rely on.

Robust and reliable are phrases synonymous with Tiger Products. They are, and must be, of the highest quality in order to operate effectively in the extremely harsh conditions our clients often place them in. We can provide spark proof, corrosion resistant and bespoke OEM products for special applications, and are committed to meeting your lifting requirements.

A reputation built on providing quality, safe, stable products to meet the highest industrial standards ensures you can have complete faith that Tiger will deliver time and again.

Our innovation, your safety.



Lever Block Range

Meeting your varied operational needs through innovation and client input.



Can be supplied to ATEX approved spark resistant specification.

SS11 Subsea Lever Block

The original & proven subsea lever block - constantly developed and improved.

- Range from 800kg - 10t
- Double switch brake mechanism
- Marine specific friction discs
- Meets and exceeds IMCA DO28 Rev 1 guidance notes for offshore lever blocks
- Adaptable to use both inverted and horizontally
- Lifts, holds and lowers the load at 2% of rated capacity
- Anti-corrosive protection to ensure reliable long term use
- *NEW* external corrosion protection
- *NEW* Patented Twin Cam shaped pawl design allows for very fine adjustments on the lifting handle
- *NEW* adjustable chain end anchorage
- Brake chamber protection from outside contamination
- High performance premium grease
- Stainless steel fixings and fasteners
- Operating temperature range - 40°C to +50°C
- Light load tested and certified at 2% of the rated capacity
- Overload protection and spark resistant options available
- Complies with AS 1418.2



Images from left:

Tiger have incorporated the ultimate safeguarding of a single point failure mode as described in IMCA DO28 Rev. 1 Note 7.2 by installing a new specially designed adjustable chain end stop profiled to fit the contours of the block body;

Unique dual brake mechanism.

The SS11 has been designed and developed with the goal of giving key stakeholders within the Oil and Gas Industry a block that can be certified for safe use Subsea. It comes equipped with our own unique dual brake mechanism that automatically engages when the lever block feels the slightest resistance on the bottom hook.

This key feature means that the SS11 will raise, hold, and lower the lightest of loads without slipping. The two stage process protects against accidental light load failures caused by putting the block into neutral whilst under load.

The unique design features and anti-corrosion properties incorporated in the SS11 block range, including the one piece construction pinion gears, give it significant safety advantages over standard lever blocks, making the block the ideal tool for all Marine and other extreme applications.

The SS11 meets and exceeds the requirements of IMCA DO28 Rev. 1 "Guidance on the use of chain lever blocks in the offshore subsea environment", as well as other industry client specifications whilst conforming to standards such as BS EN 13157: 2004+A1:2009, ANSI/ASME B30.21-2005, AS 1418.2 and SANS 1636.



Tiger
by Bullivants



Images from left:

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. Stainless steel fixings and fasteners used throughout the block;

Chain stripper specifically designed to guide the load chain safely onto or off the load sheave without snagging or jamming, allowing safe use in any orientation.

Order Code	Capacity (tonne)	Effort (kg)	Dimensions (mm)							Load Chain		Standard H.O.L (m)	Mass (kg @ std H.O.L)
			A	B	C	D	E	F	F1	Diameter (mm)	No. of Falls		
201652	0.8	23	128	240	275	158	99	30	26	Ø6.3	1	3	9.1
201655	1.6	26	154	360	320	172	104	38	34	Ø7.1	1	3	12.6
201657	3.2	38	182	360	400	195	108	43	38	Ø10.0	1	3	22.0
201659	6.3	40	242	360	570	195	108	57	52	Ø10.0	2	3	36.5
201661	10.0	47	370	360	630	195	108	71	56	Ø10.0	3	3	56.3

PROLH Lever Block

The professionals' choice incorporating our patented twin cam pawl design.

- Range 800kg - 10.0t
- Equipped with our unique dual brake mechanism
- Suitable for underground mining use
- Lightweight and portable
- Adaptable to use both inverted and horizontally
- Using only the highest quality alloy calibrated load chains according to EN 818-7 and ISO 16872
- *NEW* Patented Twin cam shaped pawl design allows for very fine adjustments on the lifting handle
- All major parts are heat treated and precisely machined
- Finished in high quality powder coat paint offering excellent corrosion protection
- Operating temperature range of - 40°C to + 50°C
- Light load tested and certified at 2% of the rated capacity
- Proof tested to 1.5 times rated capacity
- Can be chained to meet your exact requirements
- Individual spares readily available
- Overload protection, spark resistant and stainless steel load chain options available
- Complies with AS 1418.2



Images from left:

Drop forged and heat treated alloy ball bearing swivel hooks with heavy duty latch kits and our new patented "EZ Check" three point measuring system being introduced into latest models;

Chain stripper specifically designed to guide the load chain safely onto or off the load sheave without snagging or jamming, allowing safe use in any orientation.

PROLH lever blocks incorporate many of the advanced safety features that Tiger has developed, including our own unique dual brake mechanism that automatically engages when the lever block feels the slightest resistance on the bottom hook. This key feature means that the PROLH will raise, hold, and lower the lightest of loads without slipping.

The two stage process protects against accidental light load failures caused by putting the block into neutral whilst under load. This includes operations that require a block to be used horizontally, inverted, or at any angle.

The PROLH is ideally suited for applications in the overhead transmission industry, shipyards, offshore platforms and is also suitable for underground mining use.

These units meet and exceed all the requirements within BS EN 13157: 2004+A1:2009, ANSI/ASME B30.21-2005, AS 1418.2 and SANS 1636.



Images from left:

Unique dual brake mechanism with anti-tamper design, shown in “freewheel” and “brake engaged” positions.

Available with overload protection.

Order Code	Capacity (tonne)	Effort (kg)	Dimensions (mm)							Load Chain		Standard H.O.L (m)	Mass (kg @ std H.O.L)	Mass for extra metre H.O.L (kg)
			A	B	C	D	E	F	F1	Diameter (mm)	No. of Falls			
201651	0.8	22	128	240	275	158	99	30	26	Ø6.3	1	1.5	7.6	0.86
201653	1.0	29	128	240	275	158	99	34	30	Ø6.3	1	1.5	7.6	0.86
201654	1.6	26	154	360	320	172	104	38	34	Ø7.1	1	1.5	10.7	1.07
201656	3.2	38	182	360	400	195	108	43	38	Ø10.0	1	1.5	18.2	2.17
201658	6.3	40	242	360	570	195	108	57	52	Ø10.0	2	1.5	29.7	4.34
201660	10.0	47	370	360	630	195	108	71	56	Ø10.0	3	1.5	45.7	6.54

TLH Lever Block

- Range from 250kg – 500kg
- One piece construction pinion gears
- Easy single-hand “freewheeling” operation
- Guaranteed light load protection
- Drop forged & heat treated alloy hooks
- Safe reliable twin pawl mechanical brake
- 360 degree handle rotation, short stroke and low lever pulling effort
- Individual spares available.
- Comes with belt attachment carry case
- Complies with AS 1418.2



Order Code	Capacity (tonne)	Effort (kg)	Headroom (mm)	Load Chain		Standard H.O.L (m)	Mass (kg @ std H.O.L)	Mass for extra metre H.O.L (kg)
				Diameter (mm)	No. of Falls			
422252	0.25	30	245	Ø4.0	1	1.5	2.2	0.35
422253	0.5	34	270	Ø4.0	1	1.5	3.1	0.35

Chain Block Range

Globally renowned for ultimate quality, durability and safety.



Can be supplied to ATEX approved spark resistant specification.

SS12 Corrosion Resistant Chain Block

Unrivalled corrosion protection.

- Range from 500kg - 20t
- Over 1000 hours continuous protection
- Corrosion protected body, components, load and hand chain
- Marine specific friction discs
- Rugged steel body construction
- Lightweight and portable
- Double cover protection for brake chamber
- Drop forged & heat treated alloy hooks
- Stainless steel fixings and fasteners
- *NEW* Patented Twin Cam shaped pawl design
- Certified 2% light load protection
- Heat treated alloy steel triple spur gears and pinion shaft
- Operating temperature of -40°C to +50°C
- Tested and certified for 'fleeting' and 'cross-hauling' applications up to 45°
- Proof tested to 1.5 times rated capacity
- Can be chained to meet your exact requirements
- Marine chain bags available on request
- Individual spares readily available
- Overload protection and spark resistant options available
- Complies with AS 1418.2



Images from left:

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. Stainless steel fixings and fasteners used throughout the block;

Recessed forgings offer full protection to the load chain anchor bolts on all our bottom hooks. Load sheave protected design on all multi fall hooks.

Tiger chain blocks have been manufactured and developed for 50 years and offer the perfect balance between operator effort and speed of lift, ensuring maximum mechanical efficiency.

Using only the highest quality materials precisely machined in our own factory, the SS12 is the ideal block for use in salt water and other corrosive environments, with less maintenance and servicing costs. The highly efficient and fully corrosion protected twin pawl brake works instantly when the operation is stopped and securely holds the load. Loads are lowered under perfect control, allowing for precise operations.

The SS12 easily passes the “brake lock out test” as per BS 3243:1990 with a 2% load of the rated capacity.

These units meet and exceed all the requirements within BS EN 13157: 2004+A1:2009, ANSI/ASME B30.21-2005, AS 1418.2 and SANS 1594.



Images from left:

Unique corrosion protection of all the internal parts including load and hand chain, ensuring over 1000 hours continuous protection under ASTM B117 salt spray test conditions;

Can be supplied to ATEX approved spark resistant specification.

Order Code	Capacity (tonne)	Effort (kg)	Dimensions (mm)							Load Chain		Standard H.O.L (m)	Mass (kg @ std H.O.L)
			A	B	D	E	F	F1	G	Diameter (mm)	No. of Falls		
201623	0.5	21	89	67	50	80	30	26	305	Ø6.3	1	3	10.8
201625	1.0	25	89	67	63	87	33	28	340	Ø6.3	1	3	11.8
201626	1.6	32	93	73	75	105	38	34	385	Ø7.1	1	3	16.2
201629	2.0	34	98	77	85	115	43	38	420	Ø8.0	1	3	20.0
201640	3.2	38	109	84	98	157	43	38	550	Ø10.0	1	3	30.8
201633	5.0	37	98	77	120	210	57	52	575	Ø8.0	3	3	37.8
201636	10.0	40	109	84	153	263	60	54	660	Ø10.0	3	3	65.0
201641	20.0	43	160	90	140	350	90	70	1050	Ø10.0	6	3	180.5

TCB14 Chain Block

The classic heavy duty light weight chain block.

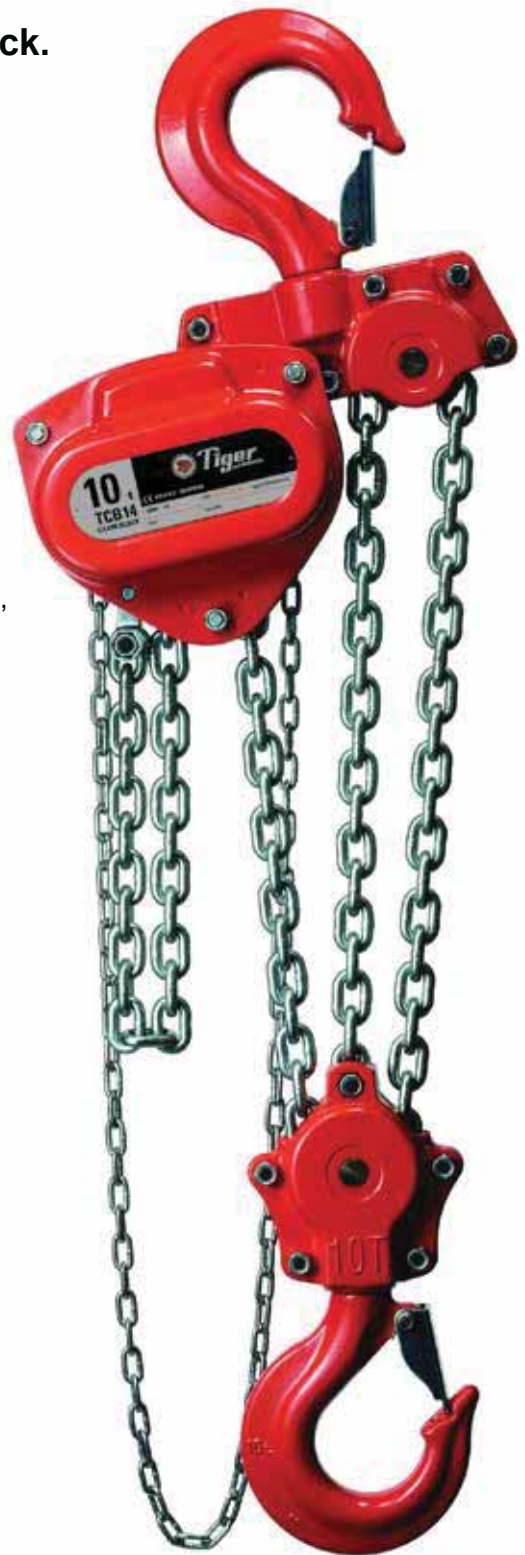
- Range from 500kg – 30t
- New 8t, 15t and 30t capacity units available
- Rugged steel body construction
- Lightweight and portable
- Double cover protection for brake chamber
- Drop forged & heat treated alloy hooks
- High quality alloy calibrated load chain
- *NEW* Patented Twin Cam shaped pawl design
- Certified 2% light load protection
- Heat treated alloy steel triple spur gears and pinion shaft
- Operating temperature of -40°C to +50°C
- Tested and certified for 'fleeting' and 'cross-hauling' applications up to 45°
- Proof tested to 1.5 times rated capacity
- Can be chained to meet your exact requirements
- Individual spares readily available
- Overload protection, spark resistant and stainless steel load chain options available
- Complies with AS 1418.2



Images from left:

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;

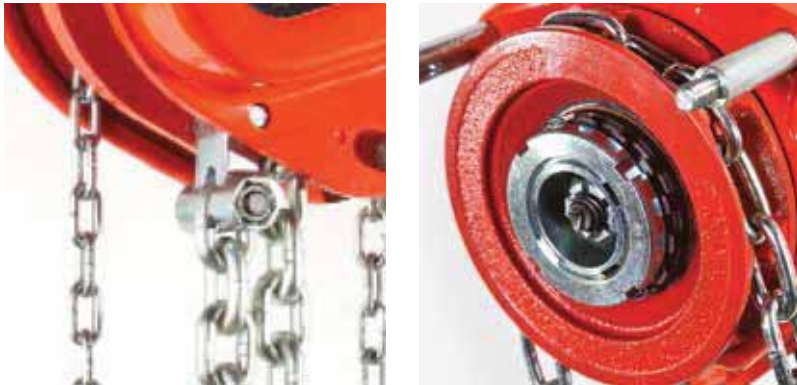
Recessed forgings offer full protection to the load chain anchor bolts on all our bottom hooks.



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 TCB14 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.

Chain bags available on request.

These units meet and exceed all the requirements within BS EN 13157: 2004+A1:2009, ANSI/ASME B30.21-2005, AS 1418.2 and SANS 1594.



Images from left:

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. Load limiter option available.



Order Code	Capacity (tonne)	Effort (kg)	Dimensions (mm)							Load Chain		Standard H.O.L (m)	Mass (kg @ std H.O.L)	Mass for extra metre H.O.L (kg)
			A	B	D	E	F	F1	G	Diameter (mm)	No. of Falls			
201622	0.5	21	89	67	50	80	29	26	305	Ø6.3	1	3	10.8	1.86
201624	1.0	25	89	67	63	87	33	28	340	Ø6.3	1	3	11.8	1.86
201627	1.6	32	93	73	75	105	38	34	385	Ø7.1	1	3	16.2	2.10
201628	2.0	34	98	77	85	115	42	38	420	Ø8.0	1	3	20.0	2.39
201631	3.2	38	109	84	98	157	42	38	550	Ø10.0	1	3	30.8	3.17
201630	3.2	34	93	73	60	150	42	38	465	Ø7.1	2	3	23.3	3.20
201632	5.0	37	98	77	120	210	54	52	575	Ø8.0	3	3	37.8	5.17
201634	8.0	37	78.5	102	140	230	54	52	745	Ø8.0	4	3	67.0	6.56
201635	10.0	40	109	84	153	263	60	54	660	Ø10.0	3	3	65.0	7.54
201637	15.0	41	110	84	225	374	64	57	840	Ø10.0	5	3	131.4	11.85
201638	20.0	43	160	90	140	350	90	70	1050	Ø10.0	6	3	180.5	14.20
201639	30.0	42	220	220	390	390	100	88	1200	Ø10.0	10	3	300.0	23.80

RCB ROV Compatible Chain Block

Purpose built for interface with ROVs.

- Available in 3.2t, 10.0t, 15.0t and 20.0t capacity
- Corrosion protected body, components, load and hand chain
- Several choices of interface:
 - Hydraulic Hot Stab connection type A dual port
 - Rotary Torque Receptacle Classes 1,2 & 3
 - Manual D Handle, T-bar or Fishtail Direct Drive
 - QD Direct Drive Couplings
- Compliant with BS ISO 13628-8:2002 & BS ISO 13628-1:2005
- Stainless steel 316 framework and handle
- Proven Subsea brake design
- *NEW* Patented Twin Cam shaped pawl design
- One-piece brake chamber cover
- Heavy duty flexible chain bag c/w stainless steel mounting frame
- 4 Point manipulator connection points
- Compact and light weight
- Balanced design for easy handling and installation
- Subsea suitable bearings for top and bottom hook load sheaves
- Marine specific friction discs
- Can be chained to meet your exact requirements
- Individual spares readily available
- Each unit is tested and certified before delivery



Images from left:
QD Direct Drive Couplings;
New torque receptacle

The Tiger ROV compatible chain block is available in several different interface options all in accordance with BS ISO 13628-8:2002 ROV Interfaces on Subsea production systems. Tested and finished in accordance with Annexes B & K of BS ISO 13628-1:2005:

- Hydraulic Hot Stab connection type A dual port
- Rotary Torque Receptacle Classes 1, 2 & 3
- D Handle, T-bar or Fishtail Direct Drive manual connection
- QD Direct Drive Couplings



See SS12 chain block pages for chain block details.

Working in partnership with Forum Energy Technologies we have designed and built an ISO 13628-8 Fig 20 Type A Dual Port Hot Stab Female receptacle, complete with high performance hydraulic motor ensuring lifting and lowering operations can be carried out at all times.



Images from left:

High performance hydraulic motor;

Manual D Handle interface;

Strong impact resistant gearbox housing complete with close tolerance fit bearings that fully support the pinion shaft and planet gears to maintain smooth revolutions whilst under load. Subsea suitable bearings for top and bottom hook load sheaves enclosed in drop forged housings assembled with stainless steel fittings.

Capacity (tonne)	Max Torque (Nm)	Revs per 300mm travel (max 125 RPM)	Mass out of Water (kg) (Includes chain block @ std HOL)		
			Hot Stab	Torque Tool	Fishtail
3.2	45	55	60.5	57.5	53.5
10.0	50	165	90.3	87.3	83.3
15.0	52	275	160.3	157.3	153.3
20.0	55	340	208.0	205.0	201.0

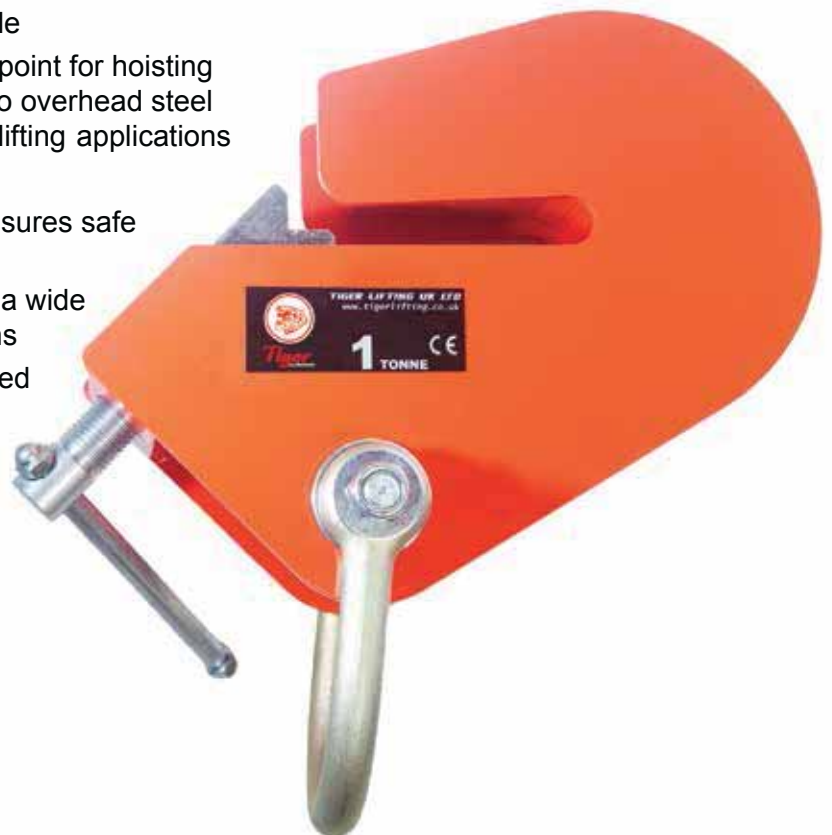
BC Heavy Duty Beam Clamp

- Range from 1t to 10.0t
- Quick and versatile rigging point for hoisting equipment
- Low headroom because of the built in anchor point
- Multidirectional adjusting screw spindle for easy attachment and safe and secure grip
- Wide Beam flange adjustment range
- Safety factor up to 5 times SW
- Complies with AS 4991



BCA Adjustable Angle Beam Clamp

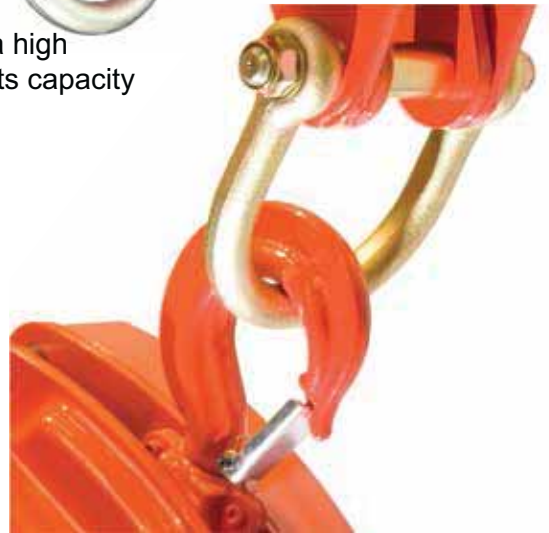
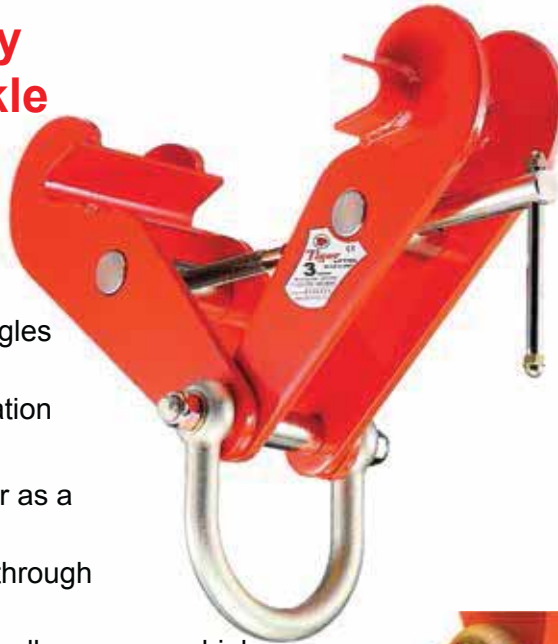
- 1t and 3t capacities available
- Quick and versatile rigging point for hoisting equipment when attached to overhead steel angle section approved for lifting applications
- Shackle suspension point
- V shaped clamping jaws ensures safe and secure grip
- Designed to accommodate a wide range of steel angle sections
- No tools required – integrated adjusting screw spindle
- Complies with AS 4991





BCF Fixed Jaw Heavy Duty Beam Clamp with D Shackle

- Range from 1t to 10t
- Quick and versatile rigging point for hoisting equipment
- Shackle suspension point
- Suitable for pulling and lifting at angles across the beam
- Up to 90° side loading with no deration
- 15° cross loading with no deration
- Highly flexible – for lifting, pulling or as a semi-permanent anchor point
- Evenly distributed loads achieved through maximum jaw surface area
- Multidirectional adjusting screw spindle ensures a high clamping force to the various flange sizes within its capacity
- Beam width range 75mm to 457mm
- 5:1 factor of safety*
- Complies with AS 4991



BCU Universal Beam Clamp

- 3t and 5t capacities available
- For lifting, pulling or as an anchor point.
- Designed for both vertical and side loading applications
- Can be loaded at any angle
- Full rated capacity at any lifting angle
- Low headroom design
- Designed to accommodate a wide range of beam widths
- Complies with ASME B30.20 and AS 4991
- Warning: Not to be used as a plate lifting clamp



Beam Clamp Technical Details

BC Heavy Duty Beam Clamp

Order Code	Capacity (tonne)	Dimensions (mm)								Weight (kg)
		A	B	C	D	E	F	G	ØJ	
201671	1.0	72-210	182-328	77	26	190	144-117	52-38	Ø20	4.5
201672	2.0	75-210	182-328	85	26	190	144-117	52-38	Ø20	5.2
201674	3.0	73-305	214-460	107	35	240	224-179	58-40	Ø22	9.1
201675	5.0	73-305	214-460	121	35	240	224-175	58-40	Ø28	10.7
201676	10.0	90-330	289-496	135	36	277	231-182	75-58	Ø38	22.2

BCA Adjustable Angle Beam Clamp

Order Code	Capacity (tonne)	Dimensions (mm)									Weight (kg)
		A	B	C	D	E	G	H	J	K	
201677	1.0	6	76.5	81	83	206	15	258	16	38-101	6.5
201678	3.0	10	106.5	112	104	343	25.4	490	22	101-203	23.4

BCF Fixed Jaw Heavy Duty Beam Clamp with D Shackle

Order Code	Capacity (tonne)	Dimensions (mm)												Weight (kg)
		A	B	C	D	E	F	G	H	J	K	L	M	
201662	1.0	75-195	206-321	105	12	190	257-230	43-36	16	Ø21	79	83.5	6	5.96
201663	2.0	75-195	206-321	105	12	190	268-240	43-36	18	Ø21	88	94.5	8	7.12
201664	3.0	75-190	216-325	140	12	190	267-236	38-30	22	Ø27	110	105.5	10	10.4
201665	3.0	100-350	223-472	140	15	270	364-300	54-46	22	Ø27	110	105.5	10	13.28
201666	5.0	75-190	216-325	140	12	190	272-241	38-30	27	Ø27	124	111	12	12.02
201667	5.0	100-310	223-433	140	15	270	370-321	54-48	27	Ø27	124	111	12	15.72
201668	10.0	120-350	282-508	210	15	300	400-340	60-52	32	Ø37	83	120		27.3

BCU Universal Beam Clamp

Order Code	Capacity (tonne)	Dimensions (mm)											Weight (kg)
		A	B	C	D	E	F	G	H	J	K	L	
201669	3.0	387	60	70	48	32	235	100	25.4	28	20	125-204	15.96
201670	5.0	524	70	74	58	32	270	120	25.4	38	24	125-305	28.96

TPS, TGS, TPT, TGT Plain & Geared Trolleys

- Range from 0.5t to 20t
- Tiger trolleys are designed to provide smooth and easy traversing
- The anti-drop plates design ensures extra safety, and also prevents damage to wheels when contacting end rail stoppers
- Wheels run on sealed ball bearings for smoother rolling with less effort and maintenance
- Twin bar or single bar trolleys available
- Geared type available
- Extended beam width available
- Corrosion or spark resistant versions available
- Complies with AS 1418.2



APT Adjustable Trolley

- Range from 1t to 10t
- Fitted with a screw spindle which allows easy adjustment and high clamping force to the various flange sizes within its capacity
- Shackle allows for use at angles across the beam
- Designed to provide smooth and easy traversing
- The anti-drop plates design ensures extra safety, and also prevents damage to wheels when contacting end rail stoppers
- Wheels run on sealed ball bearings for smoother rolling with less effort and maintenance
- The 5:1 factor of safety allows for use with manual or powered hoists
- Complies with AS 1418.2



Trolley Technical Details

TPS & TGS Single Bar Trolleys

Capacity (tonne)	D Track Width Range 1 (mm)	D Track Width Range 2 (mm)	Test Load (tonne)	Dimensions (mm)			Min. curve ratio (m)	Plain Trolley		Geared Trolley		
				A	C	E		B (mm)	Mass (kg)	B (mm)	Hand Chain Length (m)	Mass (kg)
0.5	62-128	62-203	0.75	195	106	98	0.8	106	5.0	165	2.5	8.9
1.0	62-128	62-203	1.5	213	113	106	1.0	113	7.3	170	2.5	11.1
2.0	88-154	88-230	3.0	236	136	132	1.3	136	12.0	182	2.5	16.3
3.0	88-154	88-230	4.5	277	146	150	1.5	146	19.0	187	2.5	23.3
5.0	106-194	106-305	7.5	323	169	174	1.5	169	30.0	210	2.5	34.3

TPT & TGT Twin Bar Trolleys

Capacity (tonne)	D Track Width Range 1 (mm)	D Track Width Range 2 (mm)	Test Load (tonne)	Dimensions (mm)					Min. curve ratio (m)	Plain Trolley		Geared Trolley		
				A	C	D	E	F		B (mm)	Mass (kg)	B (mm)	Hand Chain Length (m)	Mass (kg)
0.5	62-128	62-203	0.75	179	109	70	49	16	0.8	109	5.9	168	2.5	9.8
1.0	62-128	62-203	1.5	195	111	79	50	16	1.0	111	7.9	178	2.5	11.8
2.0	88-154	88-230	3.0	235	134	95	70	19	1.3	134	12.7	184	2.5	17
3.0	88-154	88-230	4.5	263	145	111	79	19	1.5	145	21.4	184	2.5	25.7
5.0	106-194	106-305	7.5	307	169	133	88	27	1.5	169	34.5	206	2.5	39.5
10.0	150-320	-	15.0	429	252	183	240	40	2.7	252	135.5	327	2.5	150.0
20.0	150-320	-	25.0	910	255	182	270	40	6.0	337	294.5	337	2.5	310.0

APT Adjustable Trolley

Capacity (tonne)	A Track width range (mm)	Dimensions (mm)					Min. Curve Ratio (m)	Mass (kg)
		B	C	D	E	F		
1.0	75-210	391	83.5	16	110	81	1.0	9.6
2.0	75-210	391	94.5	18	123	89	1.3	13.5
3.0	75-210	403	105.5	22	141	112	1.5	23.0
6.0	105-305	521	111	27	151.5	125	1.5	35.5
10.0	160-305	606	119	32	170	83	1.0	110.4

Combination Chain Blocks & Trolleys

Secure, strong and compact.

- Range from 500kg – 10t
- Ideal for locations where headroom is limited
- Geared and plain trolley versions available
- Twin bar or single bar trolley options
- Extended beam width available
- Corrosion or Spark Resistant versions available

Images from left:

5.0t twin bar geared trolley combination unit;

1.0t single bar plain trolley combination unit.



Single Bar Trolley & Chain Block Combinations

Capacity (tonne)	Dimensions (mm)						Mass kg @ Std H.O.L		D - Extended Width (mm)
	A	B		C	H	D (track width)	Plain 3m H.O.L)	Geared (3m H.O.L)	
		Plain	Geared						
0.5	195	106	165	106	310	62-128	16.2	20.2	62-203
1.0	213	113	170	113	350	62-128	19.8	23.7	62-203
2.0	236	136	182	136	450	88-154	33.2	37.7	88-230
3.2	277	146	187	146	530	87-153	52.1	56.4	87-230

Twin Bar Trolley & Chain Block Combinations

Capacity (tonne)	Dimensions (mm)						Mass kg @ Std H.O.L		D - Extended Width (mm)
	A	B		C	H	D (track width)	Plain 3m H.O.L)	Geared (3m H.O.L)	
		Plain	Geared						
0.5	179	109	168	109	316	62-128	17.1	21.1	62-203
1.0	195	111	178	111	342	62-128	20.4	24.4	62-203
2.0	235	134	184	134	446	88-154	33.9	38.4	88-230
3.2	263	145	184	145	435	87-153	53.8	58.3	87-230
5.0	307	169	206	169	545	106-194	69.0	74.6	106-305
10.0	429	252	327	252	730	125-310	185.0	200.0	

Corrosion Resistant Trolleys & Combination Units

With our superior proven corrosion resistant properties.



Can be supplied to ATEX approved spark resistant specification.

- Corrosion protected body, components, load and hand chain
- Over 1000 hours continuous protection under ASTM B117 Salt spray conditions
- Stainless steel fixings and fasteners
- Stainless steel hand chain available
- Spark resistant options available



BHW Brake Winch



- High quality multi-purpose winch.
- High quality multi-purpose winch
- Automatic load-actuated brake can hold the load in any position
- Compact, light-weight and rugged construction
- Gears and brakes fully covered to prevent dust, dirt and rain contamination
- Heat treated gears
- Very low operator effort required for easy operation
- Universal mounting plate
- Available as 800lb, 1200lb, 1800lb and 2600lb models (3700lb under development)
- For cable and strap
- Finished in high quality powder coat paint offering excellent corrosion protection
- Available with OCP corrosion protection
- Ratchet handle/Ceiling Mount options available
- Noiseless 1200lb model available
- Complies with AS 1418.2 when fitted with approved wire rope and fittings



Images from top:

1200LBS BHW Winch;

BHW Winch with corrosion protection.

Corrosion Protection Option available:

This model is protected by our unique coating which gives unprecedented long- term reliability and superior corrosion resistance and protection in the most severe conditions. The coating provides excellent friction protection and has been proven to be effective through at least 1000 hours of the ASTM B 117 Salt Spray Test. The coating gives the properties of stainless steel without the cost implications.

Noiseless 1200lb model available:

This model is equipped with a patented quiet brake design that is virtually silent and fully automatic. Best suited to those locations where quiet is required, such as schools, hospitals and theatres.



BHW Winch:

Order Code	Pulling Capacity (lbs/kg)	Lifting Capacity (lbs/kg)	Gear Ratio	Hub Diameter (mm)	Handle Length (mm)	Unit Weight (kg)	Cable Diameter (mm/inch)	Cable Storage Cap. (m)	Strap Storage Cap. (m)
201642	800/370	400/180	4.1:1	Ø40	160	3.0	Ø4.0/Ø5/32	36	9.1
201643	1200/550	600/275	4.1:1	Ø50	210	3.3	Ø4.8/Ø3/16	23	8.5
201644	1800/820	900/400	5:1	Ø70	320	8.0	Ø6.4/Ø1/4	24	14.1
201645	2600/1200	1300/590	10:1	Ø80	320	10.3	Ø8.0/Ø5/16	18	10.6

Winch Straps:

Order Code	Description	Width (mm)	Thickness (mm)	Breaking Load	Available for:
201648	6 meters with safety hook	48	1.2	2068.5 kgs	BHW-800 & BHW-1200
201646	9 meters with safety hook	54	1.4	2864 kgs	BHW-1800
201647	9 meters with safety hook	60	1.7	4136 kgs	BHW-2600

SF & HW Winches

Robust and Reliable Tiger Winches.

- Complies with AS 1418.2 when fitted with approved wire rope and fittings



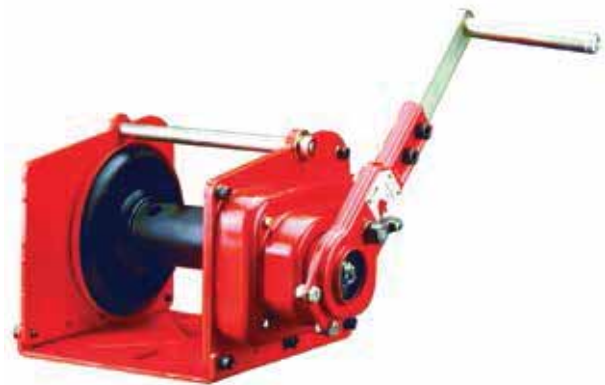
Tiger Ceiling Mount Winch SF-5000

- 5000lb/2272kg capacity
- Split reel, which allows for operation of two cables
- Loop drive allows the winch to be mounted out of reach and operated with an extension
- Positive load-actuated brake can hold the load in any position
- Gears and brake are fully covered to prevent dust, dirt and rain contamination
- Very low operator effort is required for easy operation



Tiger Industrial Winch SF-2200

- 2200lb/1000kg capacity
- Ratchet handle permits reciprocating handle movement in both directions for lifting and lowering loads
- Positive load-actuated brake can hold the load in any position
- Gears and brake are fully covered to prevent dust, dirt and rain contamination
- Very low operator effort is required for easy operation
- Ratchet handle accommodates installation in cramped locations such as wall and floor



General Purpose Hand Winch HW-2000

- 2000lb/909kg capacity
- Available in regular or split reel, which allows for operation of two line or cables for greater versatility
- Available in handle or loop drive models



Order Code	Capacity (lbs/kg)	Hand Force Required (kg)	Gear Ratio	Hub Diameter (mm)	Handle Length (mm)	Unit Weight (kg)	Cable Diameter (mm/inch)	Cable Storage Cap. (m)
201650	5000/2272	4	90.24:1	Ø65		9.3	Ø6.4/Ø1/4	11
201683	2200/1000	10	22.2:1	Ø80	300	1.6	Ø8.0/Ø5/16	25
201649	2000/909	4.5	41:1	Ø48	195	5	Ø5.6/Ø7/32	12



Spark Resistant Products

For when ATEX options are required.

- Category II – high safety - Certification: Ex II 2 GD c IIC IIIC T4
- Manufactured in accordance with ATEX Directive 94/9/EC and Machinery Directive 2006/42/EC
- Developed for the use in potentially explosive atmospheres (ATEX zones).
- We can supply chain blocks, lever hoists, trolleys and combination block and trolley units
- Special coated units
- Different capacities and heights of lift to suit your specific requirements
- Available with stainless steel load chain

In many areas of industry, plants are operated with potentially explosive atmospheres. Due to the very high risk to personal and other assets, extremely strict guidelines and technical requirements are in place in explosive zones. Tiger Spark Resistant products are manufactured in accordance with ATEX Directive 94/9/EC and the Machinery Directive 2006/42/EC. Our products are lightweight and durable with a proven track record. ATEX marking: Ex II 2 GD c IIC IIIC T4. Suitable for gas and dust hazardous areas: Zone 1 & 2 (gas) and Zone 21 & 22 9 (dust).

Chain Blocks and Lever Blocks (Using Tiger SS11 or SS12 Units):

- Stainless steel hand chain (chain blocks)
- Corrosion protected load chain
- Special corrosion protected coated body
- Marine specific friction discs
- Brake chamber protection from outside contamination
- Copper plated suspension and load hooks, load chain guides, grip rings, hand wheels and end anchorage
- Stainless steel fixings and fasteners



Trolleys (Using Tiger Corrosion Protected Trolleys):

- Plain or geared trolleys available
- Solid bronze trolley wheels
- Rubber buffers for trolleys
- Copper plated hand wheel (geared trolley) and hanging plate
- Special corrosion protected coated body
- Combination block and trolley units available

Optional:

- Stainless steel load chain
- Overload protection device
- Chain container
- Beam locking device



EX II 2 GD C IIC IIIC T4:

II	2	GD	c	IIC	IIIC	T4	
							T4 Temperature Class: Max 135°C
							IIIC Groups of Dust: Protected for group IIIC which includes groups IIIA & IIIB
							IIC Gas Explosion Group: Protected for group IIC which includes groups IIA & IIB
							c Protection type: Design safety
							GD Ex Atmosphere: Gas and Dust
							2 Category: High Safety
							II Equipment Group: surface industries

It is the responsibility of the user to identify which explosion proof classification is required, not the hoist manufacturer or supplier.

Products for the Entertainment Industry

For your entertainment rigging requirements.

- Chain blocks, lever hoists, beam clamps, trolleys and combination block, trolley units
- Black chain carriers for chain block hand chain available
- Different capacities and heights of lift to suit your specific requirements
- Durable lightweight products





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