



# TIGER LIFTING NORTH AMERICA, INC.

*FAMILY OWNED & OPERATED*

## Product Catalog

Tiger hoisting, winching, and height safety ranges

[tigerliftingna.com](http://tigerliftingna.com)

Tiger Lifting North America, Inc. is the home of ultimate quality, durable, and safe products. Tiger Lifting has been proudly manufactured in Taiwan for over 50 years. Tiger has a proven track record and an enviable reputation for supplying high quality, safe, stable products into a variety of demanding industries globally. We offer a full range of hoisting, winching, and fall arrest products. Our hoisting range includes chain blocks, lever hoists, air chain hoists, trolleys, specialty clamps, and combination units. This also includes our proprietary Subsea line of lifting equipment. We offer a wide range of winches for a variety of applications. We also offer spark proof, corrosion resistant, and bespoke OEM products for special applications. Our height safety hardware includes beam anchors, and fall arrest blocks.

We have distribution centers that range from Asia, Europe, and North America with our manufacturing plant based in Taiwan. Our range includes unique, patented designs and our products meet or exceed all relevant international standards for serving all sectors of global industry.

As the manufacturer of our hoisting and winching products, we hold complete technical files to provide full back-up and reassurance on our products' performance and to ensure that advice for our equipment is readily available. We have a wealth of technical expertise to give our customers full product support.

As a brand to rely on, robust and reliable are phrases synonymous with Tiger Products. They must be, and are, of the highest quality in order to meet the lifting requirements specified by our customers and to operate effectively in the extremely harsh environmental conditions our clients often place them in.

Tiger Lifting North America is proud to be family owned and operated. We are committed to introducing the finest quality lifting and pulling products. These products will be promoted and serviced by honorable distributors that are dedicated to the shipyard, petrochemical, power, pulp / paper, construction, mining, offshore, and automotive industries. Tiger products will give our customers the assurance of satisfaction, through performance, during and after each job. We will serve you from our home in Louisiana.

Every hoist has been factory load tested at a minimum of 125% of rated capacity,  
in accordance with ASME B30.16 and ASME B30.21 requirements.



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### Useful information

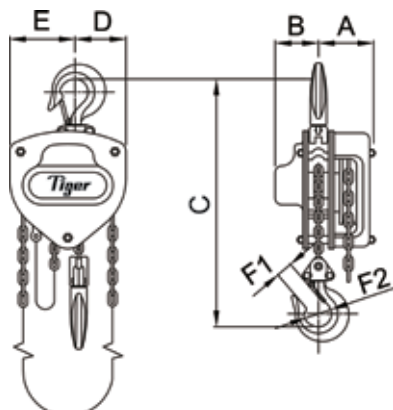
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# Premium Chain Block TCB with Overload Protection

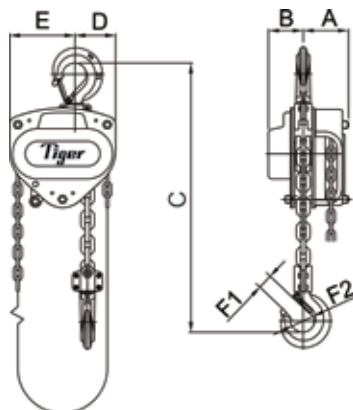
The TCB is manufactured from the highest quality steel materials, offering a lightweight, compact and rugged construction, producing an exceptionally strong product resistant to impact damage. The exceptional short head room allows for easy installation. Using only the highest quality materials precisely machined in our own factory, the TCB is the ideal block for long term use with less maintenance and servicing costs.



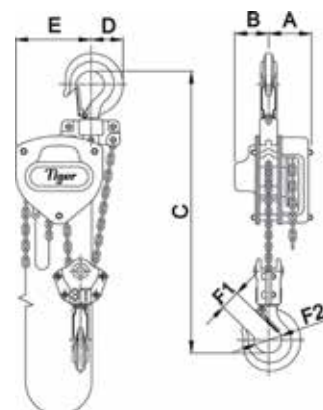
- DNV GL Verification tested according to NORSOK R-002
- Comes as standard with slipping clutch overload protection
- Range from 250kg – 35t
- Available with forged clevis adaptor components
- Patented Quad Cam Pawl System
- Certified 2% light load protection
- Rugged steel body construction, yet lightweight and portable
- Double cover protection for brake chamber
- Heat treated alloy steel triple spur gears and pinion shaft
- Tested and certified for “fleeting”, “cross-hauling”, and “drifting” applications up to 45° from vertical without deration
- Also available with corrosion resistant load chain
- Available with load bearing swivel hooks to meet relevant standards i.e. AS 1418.2
- These units meet and exceed all the requirements within BS EN 13157:2004+A1:2009, ANSI/ASME B30.16, AS1418.2 and SANS 1594.
- Operating temps -40°C - +80°C



0.5t - 2t

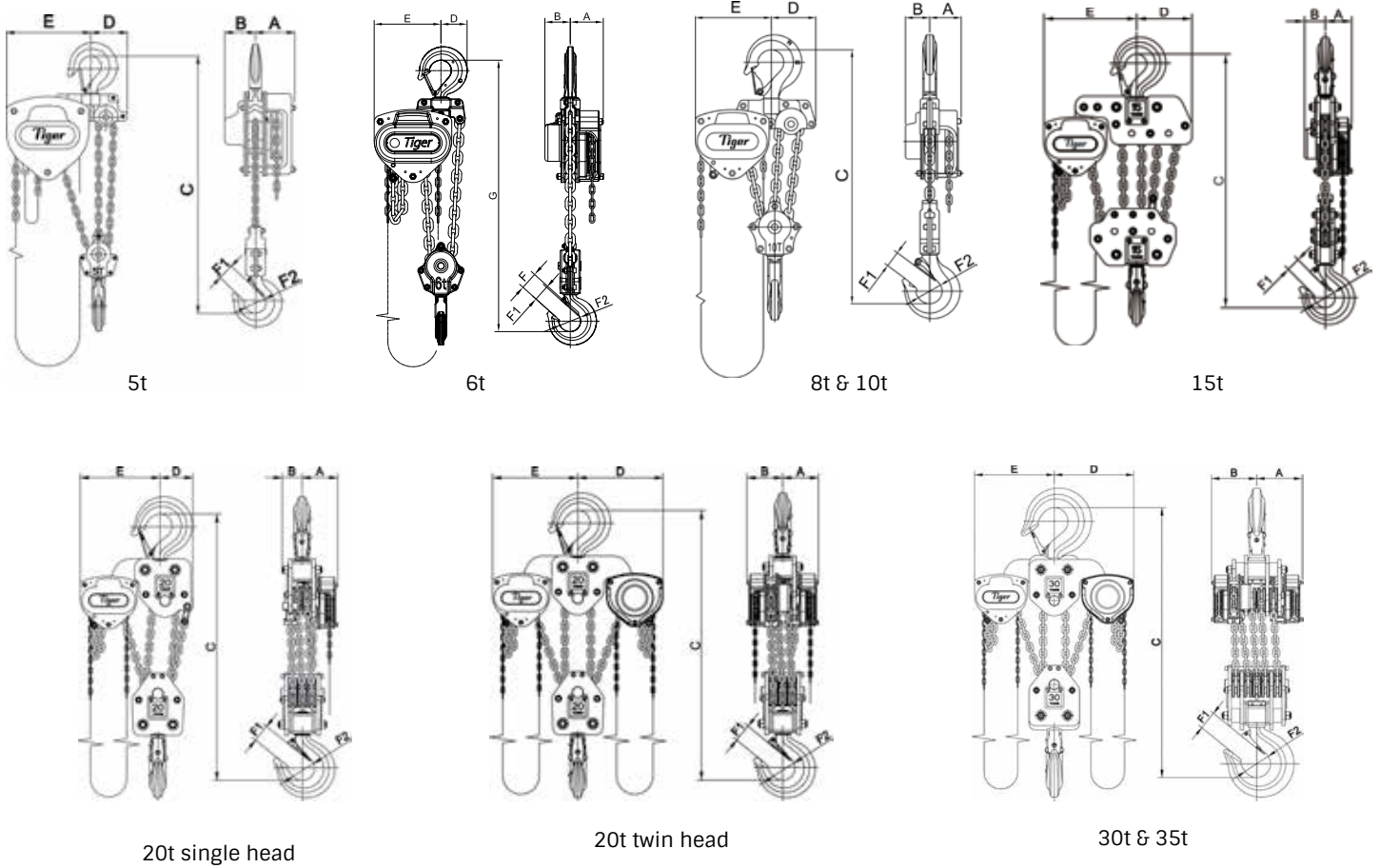


3t single fall



3t twin fall





Product Code	Capacity (tons, T)	Effort (kg, lb)	Dimensions (mm, in)							Load Chain		Std. Lift (ft)	Unit weight w/ standard lift (lb)	Adder weight per additional ft of lift (lb)
			A	B	C	D	E	F1	F2	Diameter (mm)	No. of falls			
TCB-0050	0.5, 0.55	21, 46	93, 3.67	66, 2.60	305, 12.01	52, 2.05	78, 3.07	24, 1.95	38, 1.50	Ø6.3	1	10	23.1	1.3
TCB-0100	1.0, 1.1	25, 55	93, 3.67	66, 2.60	340, 13.39	63, 2.48	87, 3.43	28, .95	45, 1.78	Ø6.3	1	10	25.4	1.3
TCB-0150	1.5, 1.65	32, 71	98, 3.86	73, 2.88	385, 15.16	78, 3.07	102, 4.02	34, 1.34	51, 2.01	Ø7.1	1	10	35.2	1.4
TCB-0200	2.0, 2.2	34, 75	101, 3.98	79, 3.11	420, 16.54	87, 3.43	113, 4.45	35, 1.38	53, 2.09	Ø8.0	1	10	44.1	1.6
TCB-020L	2.0, 2.2	42, 93	98, 3.86	73, 2.88	399, 15.71	78, 3.07	102, 4.02	35, 1.38	53, 2.09	Ø7.1	1	10	36.4	1.4
TCB-0300	3.0, 3.3	38, 84	109, 4.30	84, 3.31	500, 19.69	98, 3.86	157, 6.19	36, 1.42	56, 2.21	Ø10.0	1	10	67.2	2.2
TCB-030T	3.0, 3.3	34, 75	98, 3.86	73, 3.11	488, 19.21	60, 2.37	148, 5.83	36, 1.42	56, 2.21	Ø7.1	2	10	50.1	2.2
TCB-0500	5.0, 5.5	37, 82	101, 3.98	79, 3.11	575, 22.64	122, 4.81	209, 8.23	49, 1.93	70, 2.76	Ø8.0	3	10	82.7	3.5
TCB-0600	6.0, 6.6	38, 84	109, 3.98	84, 3.31	635, 25.00	86, 3.39	220, 8.67	49, 1.93	70, 2.76	Ø10.0	2	10	100	11.7
TCB-0800	8.0, 8.8	34, 75	109, 4.30	84, 3.31	610, 24.02	153, 6.03	263, 10.36	51, 2.05	78, 3.07	Ø10.0	3	10	135	16.5
TCB-1000	10.0, 11.0	40, 88	109, 4.30	84, 3.31	660, 25.99	153, 6.03	263, 10.36	54, 2.13	87, 3.43	Ø10.0	3	10	141.1	5
TCB-1500	15.0, 16.5	41, 90	109, 4.30	84, 3.31	840, 33.07	225, 8.86	378, 14.89	59, 2.33	81, 3.19	Ø10.0	5	10	282.3	7.9
TCB-2000	20.0, 22.0	43, 95	161, 6.34	90, 3.55	1050, 41.34	148, 5.83	360, 14.18	81, 3.19	110, 4.33	Ø10.0	6	10	393.5	9.5
TCB-200T	20.0, 22.0	43, 95	161, 6.34	161, 6.34	1050, 41.34	383, 15.08	383, 15.08	81, 3.19	110, 4.33	Ø10.0	6	10	464.1	10.2
TCB-3000	30.0, 33.0	42, 93	220, 8.67	220, 8.67	1200, 47.25	388, 15.28	388, 15.28	91, 3.59	135, 5.32	Ø10.0	10	10	676.8	16
TCB-3500	35.0, 38.5	40, 88	240, 9.44	240, 9.44	1200, 47.25	390, 15.35	390, 15.35	91, 3.59	135, 5.32	Ø10.0	12	10	805	18.2

# Industrial Chain Block TR7

The TR7 industrial unit is an economical option without compromising quality. The units are manufactured from the highest quality steel materials precisely machined in our own factory, offering a lightweight compact and rugged construction, producing an exceptionally strong product resistant to impact damage. The especially low headroom allows for easy installation in the most restricted environments.

Tiger uses an 8 point multi start threaded pinion shaft which has also increased brake reaction times.

Each unit comes fully certified with a test certificate or an EC Declaration of Conformity stating compliance with the essential health and safety requirements of the Machinery Directive 2006/42/EC. This document clearly states the proof test at 1.5 times the rated capacity and the light load test of 2% of the rated capacity, which exceeds the requirements of the current applicable standard.

- Range from 0.5t - 5t
- Certified 2% light load protection
- Rugged steel body construction yet lightweight and portable
- Double cover protection for brake chamber
- Drop forged & heat treated alloy hooks
- High quality alloy calibrated load chain
- Heat treated alloy steel triple spur gears and pinion shaft
- Operating temperature of -40°C to +50°C (-40°F to +122°F)
- Proof tested to 1.5 times rated capacity
- Meets or exceeds all international standards
- These units meet and exceed all the requirements within BS EN 13157: 2004+A1:2009, ANSI/ASME B30.16, AS 1418.2 and SANS 1594.



Product Code	Capacity (tons, T)	Effort (kg, lb)	Dimensions (mm, in)							Load Chain		Std. Lift (ft)	Unit weight w/ standard lift (lb)	Adder weight per additional ft of lift (lb)
			A	B	C	D	E	F1	F2	Diameter (mm)	No. of falls			
TR7CB-0050	0.5, 0.55	21, 46	93, 3.67	66, 2.59	305, 12.0	52, 2.04	78, 3.07	24, .94	38, 1.49	Ø6.3	1	10	23.1	1.3
TR7CB-0100	1.0, 1.1	25, 55	93, 3.67	66, 2.59	340, 13.38	63, 2.48	87, 3.42	28, 1.10	45, 1.77	Ø6.3	1	10	25.4	1.3
TR7CB-0150	1.5, 1.65	32, 71	98, 3.85	73, 2.87	385, 15.15	78, 3.07	102, 4.01	34, 1.33	51, 2.00	Ø7.1	1	10	35.3	1.4
TR7CB-0200	2.0, 2.2	34, 75	101, 3.97	79, 3.11	420, 16.53	87, 3.42	113, 4.44	35, 1.37	53, 2.08	Ø8.0	1	10	44.1	1.6
TR7CB-0300	3.0, 3.3	34, 75	98, 3.85	73, 2.87	488, 19.21	60, 2.36	148, 5.82	36, 1.41	56, 2.20	Ø7.1	2	10	50.7	2.2
TR7CB-0500	5.0, 5.5	37, 82	101, 3.97	79, 3.11	575, 22.63	122, 4.80	209, 8.22	49, 1.92	70, 2.75	Ø8.0	3	10	82.7	3.5

## More features of TR7CB Chain Blocks

**Grease:** High performance premium quality grease allows the TR7CB Blocks to be certified for use within a temperature range of -40°C to +50°C (-40°F to +122°F), far exceeding the requirements of current standards.

**Load Chains:** Tiger only uses the highest quality alloy, calibrated load chains in Grade 80 (T) or 100 (V) conforming to EN818-7 and ISO 16872.

**Mechanical Efficiency:** All major components are heat treated and precisely machined to ensure long term smooth operation. High gear ratios keep physical effort to a minimum.

**Hooks:** Our hooks incorporate our latest Patent Pending “EZ Check” feature which allows operators and inspection engineers to easily check to see if the hoist has been previously overloaded or shock loaded by simply measuring between the triangle of pop marks.

Our drop forged and heat treated alloy hooks are furnished with heavy duty spring latch kits that fully engage into the recessed nose of the hook safeguarding the load when side loading of the latch occurs and

offering maximum load security. The swivel hooks are attached to the yoke using high grade nuts & bolts allowing for complete inspection during any statutory inspection or written scheme maintenance.

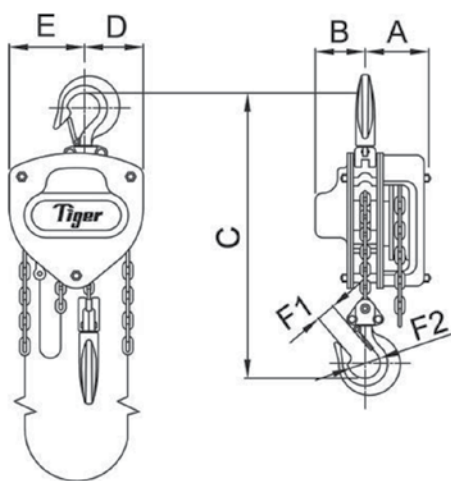
**Forgings:** Recessed forgings offer full protection to the load chain anchor bolts on all our bottom hooks.

Multi-fall bottom hooks are designed and manufactured to exact tolerances to negate finger traps and twisted chain.

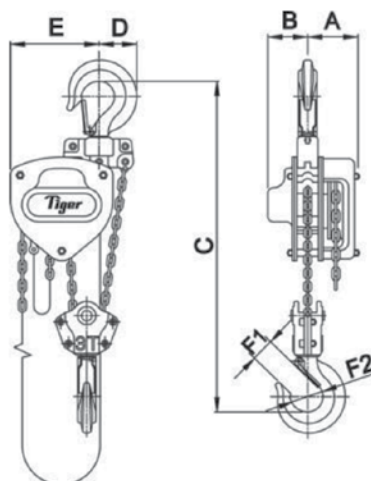
**Performance:** The TR7CB has undergone a full test program that includes:

### Type Testing

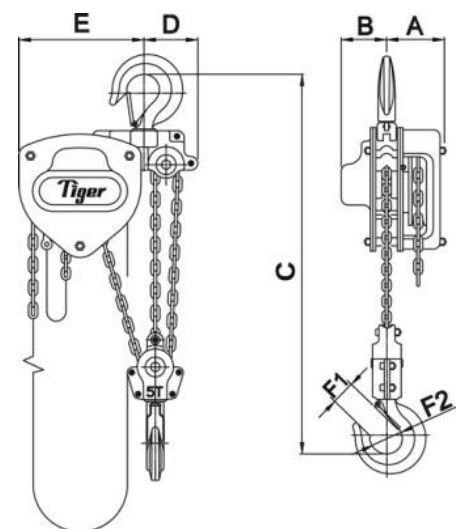
- Ultimate strength test, at least 4 times the Working Load Limit (WLL)
- Continuous cyclic testing of over 1500 cycles
- Chain end anchorage test, passing at least 2.5 times the WLL without any restriction of the brake
- Light load testing at maximum of 2% rated capacity



0.5t – 2.0t




3.0t twin fall



5.0t

# Corrosion Resistant Chain Block SS20

With the advantages of having been fully protected against corrosion, the SS20 is the ideal block for salt water use with less maintenance and servicing costs.

- Suitable for use in multi-immersion applications
- DNV GL Verification tested according to NORSOK R-002
- Available with slipping clutch overload protection
- Range from 0.5t - 30t
- Over 1000 hours continuous protection
- Unique corrosion protection of all the internal parts including load and hand chain, ensuring over 1000 hours continuous protection under ASTM B117 Salt spray conditions.
- Marine specific friction discs
- Available with forged clevis adaptor components
- Double cover protection for brake chamber
- Stainless steel fittings and fasteners
- Patented Quad Cam Pawl System
- Safety Brake: The highly efficient brake system works instantly when the operation is stopped and securely holds the load. Loads are lowered under perfect control, allowing for precise operations. Tiger chain blocks easily pass the brake lock out test as per BS 3243:1990 with a 2% load of the rated capacity.
- -40°C to +50°C (-40°F to +122°F) Operating temperature range
- Marine chain bags available on request
- Also available with corrosion resistant load chain
- Spark resistant option available (See page 21-22) 
- Available with load bearing swivel hooks to meet relevant standards i.e. AS 1418.2
- These units meet and exceed all the requirements within BS EN 13157:2004+A1:2009, ANSI/ASME B30.16, AS1418.2 and SANS 1594.

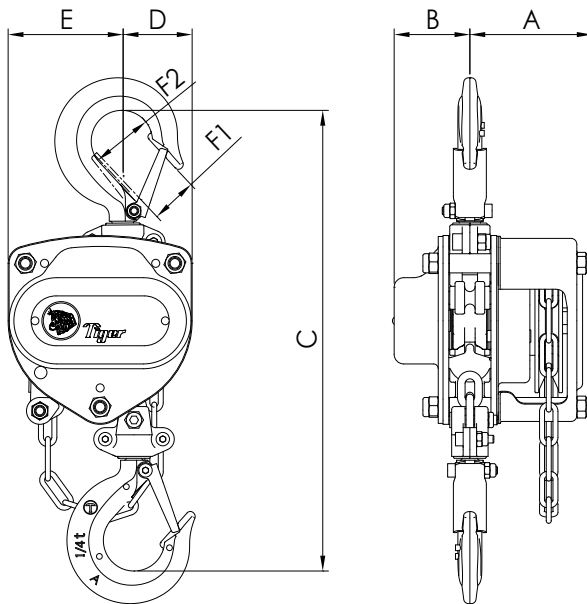


Product Code	Capacity (tons, T)	Effort (kg, lb)	Dimensions (mm, in)							Load Chain		Std. Lift (ft)	Unit weight w/ standard lift (lb)	Adder weight per additional ft of lift (lb)
			A	B	C	D	E	F1	F2	Diameter (mm)	No. of falls			
SS20-0050	0.5, 0.55	21, 46	93, 3.67	66, 2.60	305, 12.01	52, 2.05	78, 3.07	24, 0.945	38, 1.50	Ø6.3	1	10	23.1	1.3
SS20-0100	1.0, 1.1	25, 55	93, 3.67	66, 2.60	340, 13.39	63, 2.48	87, 3.43	28, 1.10	45, 1.78	Ø6.3	1	10	25.4	1.3
SS20-0150	1.5, 1.65	32, 71	98, 3.86	73, 2.88	385, 15.16	78, 3.07	102, 4.02	34, 1.34	51, 2.01	Ø7.1	1	10	35.2	1.4
SS20-0200	2.0, 2.2	34, 75	101, 3.98	79, 3.11	420, 16.54	87, 3.43	113, 4.45	35, 1.38	53, 2.09	Ø8.0	1	10	44.1	1.6
SS20-0300	3.0, 3.3	38, 84	109, 4.30	84, 3.31	500, 19.69	98, 3.86	157, 6.19	36, 1.42	56, 2.21	Ø10.0	1	10	67.2	2.2
SS20-0500	5.0, 5.5	37, 82	101, 3.98	79, 3.11	575, 22.64	122, 4.81	209, 8.23	49, 1.93	70, 2.76	Ø8.0	3	10	82.7	3.5
SS20-0600	6.0, 6.6	38, 84	109, 3.98	84, 3.31	635, 25.00	86, 3.39	220, 8.67	49, 1.93	70, 2.76	Ø10.0	2	10	100	11.7
SS20-0800	8.0, 8.8	34, 75	109, 4.30	84, 3.31	610, 24.02	153, 6.03	263, 10.36	51, 2.05	78, 3.07	Ø10.0	3	10	135	16.5
SS20-1000	10.0, 11.0	40, 88	109, 4.30	84, 3.31	660, 25.99	153, 6.03	263, 10.36	54, 2.13	87, 3.43	Ø10.0	3	10	141.1	5
SS20-1500	15.0, 16.5	41, 90	109, 4.30	84, 3.31	840, 33.07	225, 8.86	378, 14.89	59, 2.33	81, 3.19	Ø10.0	5	10	282.3	7.9
SS20-2000	20.0, 22.0	43, 95	161, 6.34	90, 3.55	1050, 41.34	148, 5.83	360, 14.18	81, 3.19	110, 4.33	Ø10.0	6	10	393.5	9.5
SS20-3000	30.0, 33.0	42, 93	220, 8.67	220, 8.67	1200, 47.25	388, 15.28	388, 15.28	91, 3.59	135, 5.32	Ø10.0	10	10	676.8	16

Please see page 4 for technical drawings

# Mini Chain Block CB 250kg, 0.25t

- Rugged steel body construction yet lightweight and portable
- Double cover protection for brake chamber
- Drop forged & heat treated alloy hooks
- High quality alloy calibrated load chain
- Heat treated alloy steel triple spur gears and pinion shaft
- Operating temperature of -40°C to +50°C (-40°F to +122°F)
- Proof tested to 1.5 times rated capacity
- Meets or exceeds all international standards



Product Code	Capacity (tons, T)	Effort (kg, lb)	Dimensions (mm, in)							Load Chain		Std. Lift (ft)	Unit weight w/ standard lift (lb)	Adder weight per additional ft of lift (lb)
			A	B	C	D	E	F1	F2	Diameter (mm)	No. of falls			
CB-0025	0.25, 0.275	17, 37	64, 2.52	40, 1.58	240, 9.45	36, 1.42	60, 2.37	22, 0.867	31, 1.22	Ø4.0	1	10	8.4	0.15



# ROV Compatible Chain Block

The Tiger ROV compatible chain block is available in various 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:

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

Available as 3t, 6t, 8t, 10t, 15t, 20t (single head six fall) capacity chain blocks, chained up to project specific heights of lift (HOL) that can be pre-set to meet the exact starting point required within the rigging drawings.

- Available as 3t, 6t, 8t, 10t, 15t, 20t
- Fully corrosion protected
- Stainless steel 316 framework and handle
- Proven Subsea brake design
- Patented Quad Cam pawl system
- One-piece brake chamber cover
- Heavy duty flexible chain bag wwith 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
- New hand wheel feature for on-deck height of lift adjustments
- Bespoke chain lengths to meet exact customer requirements
- Full individual spares back up
- Each unit is fully tested and certified before delivery



For chain block information please see pages 3 and 4

## ROV block data table

Product Code	Capacity (tons, T)	Max Torque (Nm, ft-lb)	Revs per 300mm travel (max 125 RPM)	Mass out of Water (kg) (Includes chain block @ std HOL)			
				Hot Stab	QD Drive	Torque Tool	Fishtail
RCB-0300	3.0, 3.3	45, 33	55	72.5	54.5	57.5	43.0
RCB-0600	6.0, 6.6	50, 37	110	87.5	71.5	74.5	64.5
RCB-0800	8.0, 8.8	50, 37	165	103.0	84.5	87.5	76.0
RCB-1000	10.0, 11.0	50, 37	165	106.0	84.5	87.5	76.0
RCB-1500	15.0, 16.5	52, 38	275	170.5	154.5	157.5	141.0
RCB-2000	20.0, 22.0	55, 41	340	220.5	202.0	205.0	190.5

\* Please contact the factory for dimensional specifications.

## More features of ROV Compatible Chain Block

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



High performance marine spec hydraulic system



New hand wheel feature



Strong, impact-resistant gearbox



QD direct drive couplings



One of our torque receptacle options



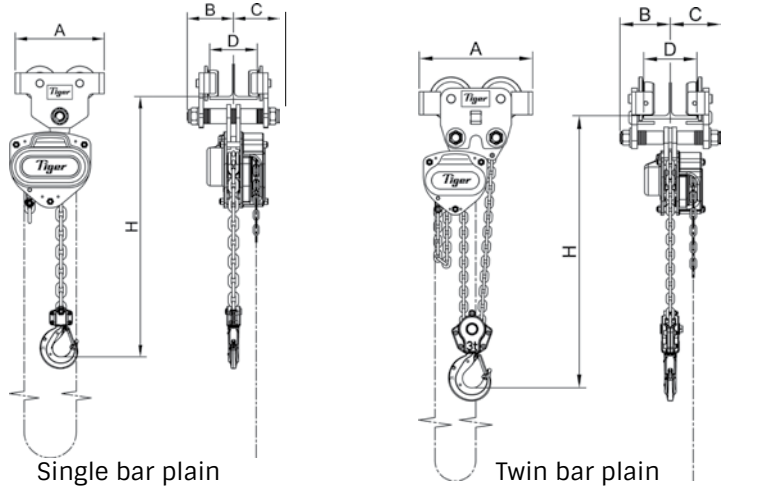
Manual D handle interface



Also available with RUD ROV hooks



# Combination Chain Block and Trolley



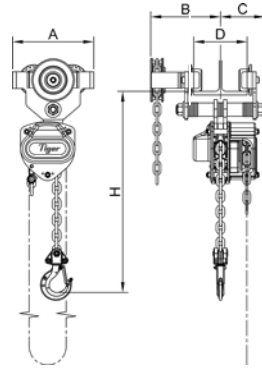
Spark resistant version

- Range from 0.5t to 35t
- Ideal for locations where headroom is limited
- Geared and plain trolley versions available
- Can be chained up to meet your specific requirements
- Twin bar or single bar trolley options
- Corrosion or spark resistant versions available
- Chain Carrier available
- Extended beam width available (Range 2)

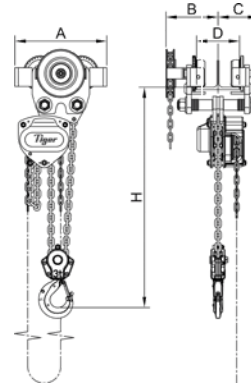
## Plain/Push combination units

	Product Code	Capacity (tons, T)	D - Track width		Dimensions (mm, in)				Unit weight w/ standard lift (lb)
			Range 1 (mm, in)	Range 2 (mm, in)	A	B	C	H	
Single Bar Trolleys	CCBTPS-0050	0.5, 0.55	80-128, 3.14-5.03	80-203, 3.15-7.99	195, 7.67	106, 4.17	106, 4.17	310, 12.20	35.2
	CCBTPS-0100	1.0, 1.1	80-128, 3.14-5.03	80-203, 3.15-7.99	213, 8.38	113, 4.44	113, 4.44	340, 13.39	43.0
	CCBTPS-0200	2.0, 2.2	112-154, 4.41-6.06	112-230, 4.40-9.05	236, 9.29	136, 5.35	136, 5.35	420, 16.54	72.8
	CCBTPS-0300	3.0, 3.3	111-153, 4.37-9.02	111-230, 4.37-9.05	275, 10.83	146, 5.74	146, 5.74	504, 19.84	106.9
Twin Bar Trolleys	CCBTPT-030T	3.0, 3.3	105-153, 4.13-6.02	105-230, 4.13-9.05	320, 12.59	142, 5.74	142, 5.74	460, 18.11	100.3
	CCBTPT-0500	5.0, 5.5	126-194, 4.96-7.63	126-305, 4.96-12.00	352, 13.85	167, 6.57	166, 6.57	660, 25.98	152.1
	CCBTPT-1000	10.0, 11.0	125-320, 4.91-12.60	N/A	460, 18.11	255, 10.03	255, 10.03	730, 28.74	407.9
	CCBTPT-1500	15.0, 16.5	150-320, 5.90-12.60	N/A	461, 18.14	276, 10.86	276, 10.86	827, 232.55	604

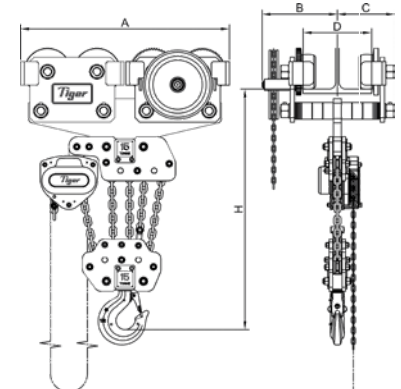
Standard height of lift (HOL) of chain block - 3m (9.8 ft). We can change this to suit your requirements.



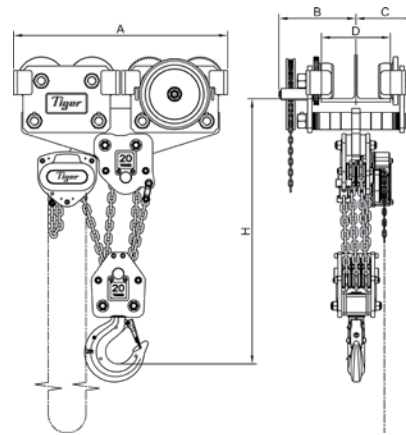
Single bar geared



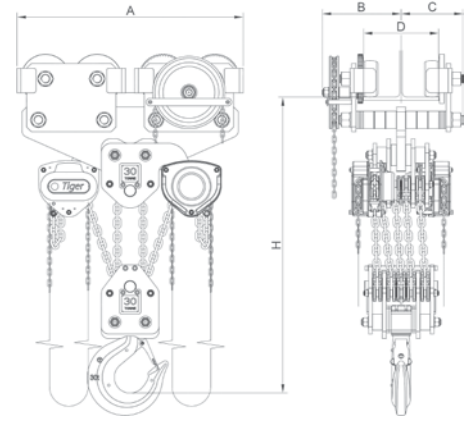
Twin bar geared 3.0t - 10t



Twin bar geared 15t



Twin bar geared 20t



Twin bar geared 30t - 35t

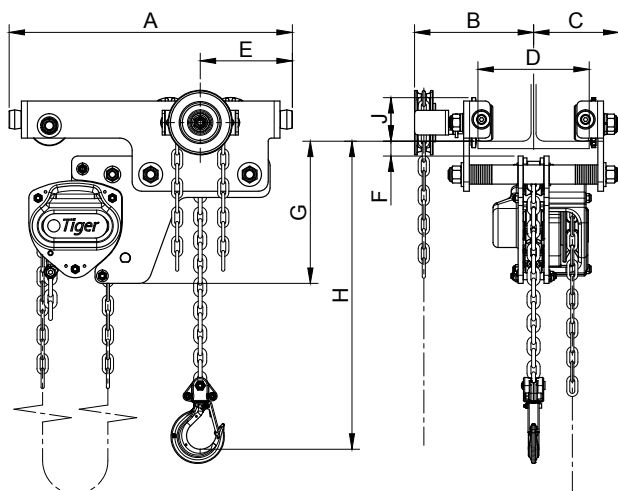
## Geared trolley combination units

	Product Code	Capacity (tons, T)	D - Track width		Dimensions (mm, in)				Unit weight w/ standard lift (lb)
			Range 1 (mm, in)	Range 2 (mm, in)	A	B	C	H	
Single Bar Trolleys	CCBTGS-0050	0.5, 0.55	80-128, 3.14-5.03	80-203, 3.15-7.99	195, 7.67	180, 7.09	106, 4.17	310, 12.20	44.1
	CCBTGS-0100	1.0, 1.1	80-128, 3.14-5.03	80-203, 3.15-7.99	213, 8.38	180, 7.09	113, 4.44	340, 13.39	51.8
	CCBTGS-0200	2.0, 2.2	112-154, 4.40-6.06	112-230, 4.40-9.05	236, 9.29	195, 7.68	136, 5.35	420, 16.54	82.7
	CCBTGS-0300	3.0, 3.3	111-153, 4.37-6.02	111-230, 4.37-9.05	275, 10.83	198, 7.79	146, 5.74	504, 19.84	117.9
Twin Bar Trolleys	CCBTGT-030T	3.0, 3.3	105-153, 4.13-6.02	105-230, 4.13-9.05	320, 12.59	181, 7.12	142, 5.74	460, 18.11	129.0
	CCBTGT-0500	5.0, 5.5	126-194, 4.96-7.63	126-305, 4.96-12.00	352, 13.85	218, 8.58	166, 6.53	545, 21.45	164.2
	CCBTGT-1000	10.0, 11.0	125-320, 4.92-12.59	N/A	460, 18.11	335, 13.18	255, 10.03	660, 25.98	440.9
	CCBTGT-1500	15.0, 16.5	150-320, 5.90-12.59	N/A	930, 36.61	335, 13.18	255, 10.03	880, 34.64	925.9
	CCBTGT-2000	20.0, 22.0	125-320, 4.92-12.59	N/A	930, 36.61	335, 13.18	255, 10.03	1000, 39.37	1014.1
	CCBTGT-3000	30.0, 33.0	150-320, 5.90-12.59	N/A	990, 38.97	348, 13.70	267, 10.51	1145, 45.07	1411.0
	CCBTGT-3500	35.0, 38.5	150-320, 5.90-12.59	N/A	1009, 39.72	335, 13.18	274, 10.78	1145, 45.07	1435

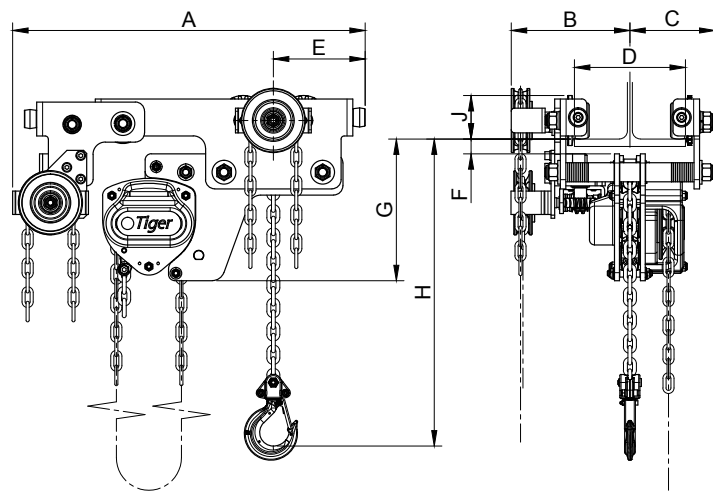
Standard geared trolley hand chain length - 2.5m (8.2 ft). We can change the length to suit your requirements.  
 Standard height of lift (HOL) of chain block - 3m (9.8 ft). We can change this to suit your requirements.

# Low Headroom Combination Chain Block & Trolley LHCG

- (LH) low headroom design
- Range from 1.0t to 10t
- Operating temperature of -30°C to +50°C (temperature range of -50°C to +50°C available as an option)
- Available with a chain container
- Available with overload protection
- Available with trolley beam locking device
- Spark Resistant version available



Above drawing is reference only



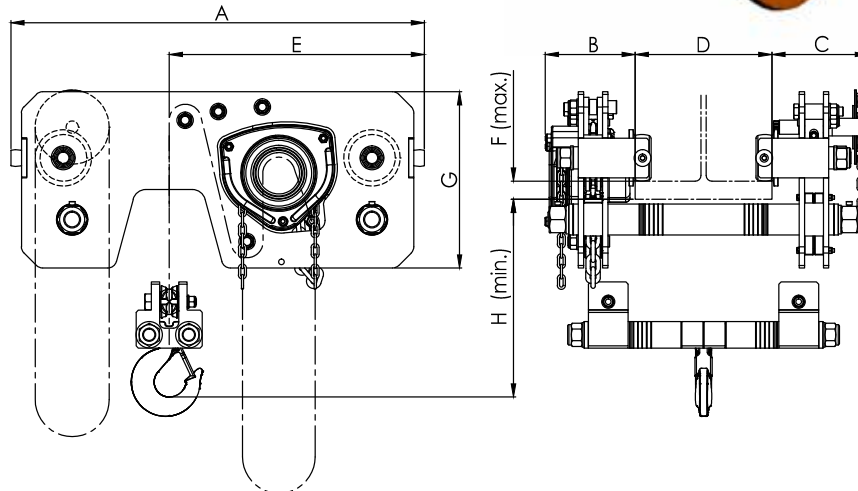
Above drawing is reference only

Product Code	Capacity (tons, T)	Dimensions (mm, in)									Unit weight w/ standard lift (lb)
		A	B	C	D	E	F	G	H	J	
LHCG-0100	1.0, 1.1	458, 18	192, 8	138, 5	62-180, 2-7	149, 6	24, 1	230, 9	210, 8	70.5, 3	74
LHCG-0200	2.0, 2.2	582, 23	196, 8	146, 6	88-180, 3-7	179, 7	24, 1	299, 12	260, 10	79.5, 3	111
LHCG-0300	3.0, 3.3	698, 27	196, 8	153, 6	88-180, 3-7	221, 9	32, 1	341, 13	305, 12	96.5, 4	174
LHCG-0600	6.0, 6.6	808, 32	209, 8	164, 6	106-194, 4-8	274, 11	32, 1	344, 13	425, 17	117, 5	238
LHCG-1000	10.0, 11.0	972, 38	336, 13	263, 10	150-320, 6-13	341, 13	45, 2	364, 14	550, 22	182, 7	587

Standard lift is 3m (10') and Standard geared trolley hand chain length is 2.4m (8'). Dimension D is the standard track width range. Please contact us for track widths outside of this range. Dimension F is the maximum beam flange thickness.

# Ultra Low Headroom Combination Chain Block & Trolley ULCG

- (UL) Ultra-low headroom design
- Range from 1.0t to 12t
- Ideal for locations where headroom is limited
- Operating temperature of -30°C to +50°C (temperature range of -50°C to +50°C available as an option)
- Can be chained to any height of lift to meet your exact requirements
- Available with a chain container
- Spark Resistant version available



Above drawing is reference only

Product Code	Capacity (tons. T)	Dimensions (mm, in)							
		A	B	C	D	E	F (max.)	G	H (min.)
ULCG0100-310	1.0, 1.1	585, 23	166, 7	176, 7	160-310, 6-12	365, 14	26, 1	240, 9	115, 5
ULCG0200-204	2.0, 2.2	680, 27	169, 7	177, 7	80-204, 3-8	420, 17	31, 1	270, 11	136, 5
ULCG0200-310	2.0, 2.2				206-310, 8-12				
ULCG0300-204	3.0, 3.3	798, 31	183, 7	201, 8	80-204, 3-8	484, 19	36, 1	300, 12	155, 6
ULCG0300-310	3.0, 3.3				206-310, 8-12				
ULCG0600-204	6.0, 6.6	938, 37	204, 8	219, 9	120-204, 5-8	579, 23	41, 2	400, 16	199, 8
ULCG0600-310	6.0, 6.6				206-310, 8-12				
ULCG1200-220	12.0, 13.2	1128, 44	227, 9	278, 11	150-220, 6-9	727, 29	45, 2	420, 17	250, 10
ULCG1200-310	12.0, 13.2				220-310, 9-12				

Standard lift is 3m (10') and Standard geared trolley hand chain length is 2.4m (8').  
 Dimension D is the standard track width range. Please contact us for track widths outside of this range.  
 Dimension F is the maximum beam flange thickness.



# Premium Lever Hoist PROLH with Overload Protection

The professional's choice incorporating our patented Quad Cam Pawl design and Torsion Brake System.

PROLH lever hoists incorporate many of the advanced safety features that Tiger has developed including one piece construction pinion gears and our patented Quad Cam Pawl System.

Like the SS19 range, this model also includes our unique rotational inertia driven torsion switch brake and freewheeling system. This brake system was designed by our research and design team to counter known failure modes in commonly used and copied longitudinal "push-pull" mechanisms or traditional style "Weston" type brake systems used on alternative lever hoists. This Tiger brake system is now a proven design with many thousands of hours of empirical evidence as proof of design and efficiency. This design removes the need for inefficient old style longitudinal disengagement methods of pulling the brake system apart to facilitate freewheeling. This highly efficient method of operating is not only safer but easier for the operator while measurably increasing the brake take up efficiency rate.

Tiger uses an 8 point multi start threaded pinion shaft which has also increased brake reaction times. The rotational engagement of the brake works with the direction of the load sheave creating highly efficient braking ratios - up to 50% measurable difference compared with longitudinal 4 point pinion threads.

These units meet and exceed all the requirements within BS EN 13157: 2004+A1:2009, ANSI/ASME B30.21, AS1418.2 and SANS 1636.

- DNV GL Verification tested according to NORSOK R-002
- Comes as standard with slipping clutch overload protection
- Range from 0.8t - 30t
- Available with forged clevis adaptor components
- Patented Quad Cam Pawl System
- Equipped with our unique torsion brake mechanism
- One piece construction pinion gear
- Light load tested and certified at 2% of the rated capacity
- Adaptable to use both inverted and horizontally
- Operating temperature of -40°C to +50°C (-40°F to +122°F)
- All major parts are heat treated and precisely machined
- Finished in high quality powder coat paint offering excellent corrosion protection
- Also available with corrosion resistant load chain or spark resistant hooks
- Available with load bearing swivel hooks to meet relevant standards



Product Code	Capacity (tons, T)	Effort (kg, lb)	Dimensions (mm, in)							Load Chain		Std. Lift (ft)	Unit weight w/ standard lift (lb)	Adder weight per additional ft of lift (lb)
			A	B	C	D	E	F1	F2	Diameter (mm)	No. of falls			
PLH-0080	0.8, 0.88	23, 50	128, 5.03	236, 9.29	295, 11.61	158, 6.22	99, 3.89	28, 1.10	45, 1.77	Ø6.3	1	5	16.5	0.6
PLH-0100	1.0, 1.1	29, 64	128, 5.03	236, 9.29	295, 11.61	158, 6.22	99, 3.89	28, 1.10	45, 1.77	Ø6.3	1	5	16.8	0.6
PLH-0150	1.5, 1.65	26, 57	154, 6.06	360, 14.17	320, 12.59	172, 6.77	104, 4.09	34, 1.33	51, 2.00	Ø7.1	1	5	23.1	0.7
PLH-0200	2.0, 2.2	35, 77	154, 6.06	360, 14.17	320, 12.59	172, 6.77	104, 4.09	34, 1.33	51, 2.00	Ø7.1	1	5	23.6	0.7
PLH-0300	3.0, 3.31	38, 84	182, 7.16	360, 14.17	400, 15.74	195, 7.67	108, 4.25	36, 1.41	56, 2.20	Ø10.0	1	5	39.7	1.5
PLH-0600	6.0, 6.61	40, 88	242, 9.52	360, 14.17	570, 22.44	195, 7.67	108, 4.25	49, 1.92	70, 2.75	Ø10.0	2	5	62.9	2.9
PLH-1000	10.0, 11.0	47, 104	379, 14.92	360, 14.17	630, 24.80	195, 7.67	108, 4.25	54, 2.12	87, 3.42	Ø10.0	3	5	101.4	4.4
PLH-1500	15.0, 16.53	44, 97	566, 22.28	360, 14.17	840, 33.070	195, 7.67	108, 4.25	59, 2.32	81, 3.18	Ø10.0	5	5	246.9	7.3
PLH-2000	20.0, 22.04	49, 108	470, 18.50	360, 14.17	1050, 41.33	250, 9.84	160, 6.29	81, 3.18	110, 4.33	Ø10.0	6	5	343.9	8.8
PLH-3000	30.0, 33.07	48, 106	700, 27.6	360, 14.2	1200, 47.2	440, 17.3	220, 8.7	91, 3.6	135, 5.3	Ø10	9	5	597.5	13.5

## More features of Professional Lever Hoist PROLH



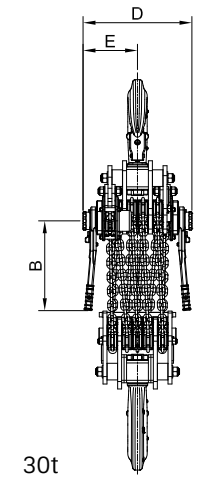
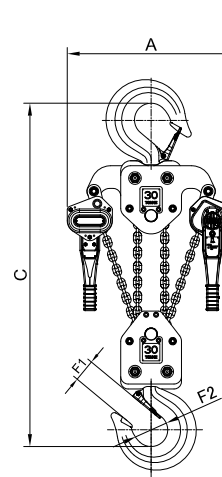
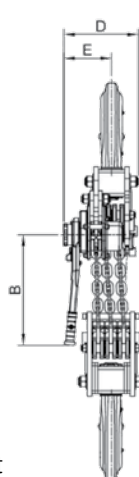
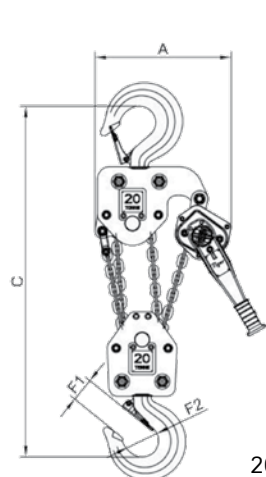
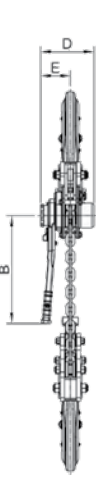
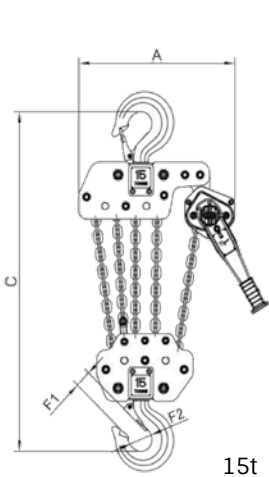
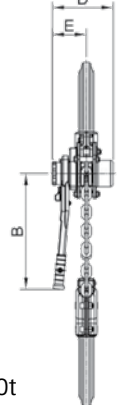
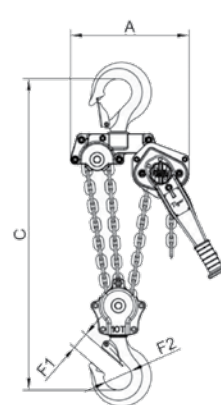
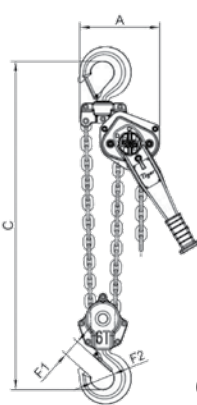
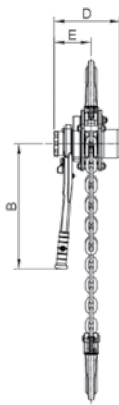
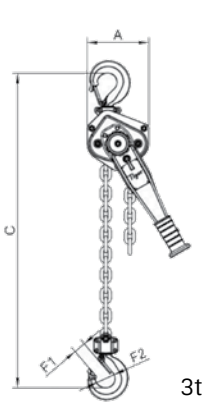
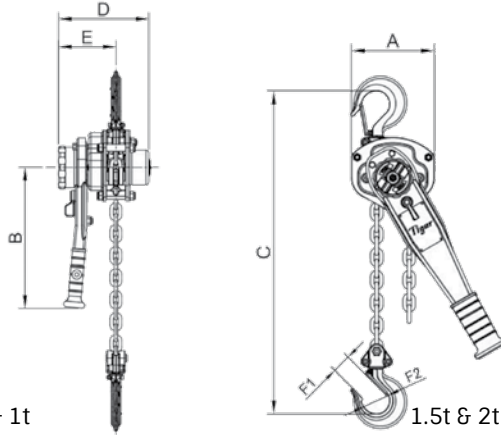
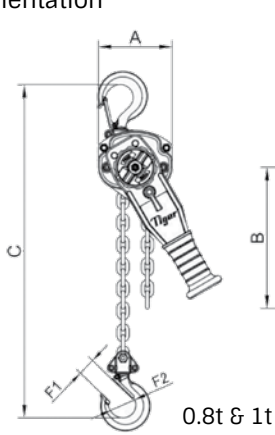
Unique chain stripper guides the chain safely onto or off the load sheave without catching, allowing safe use in any orientation



Patented Quad Cam Pawl System



Unique Torsion Brake System

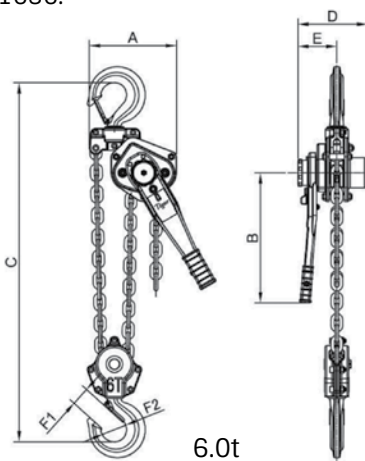
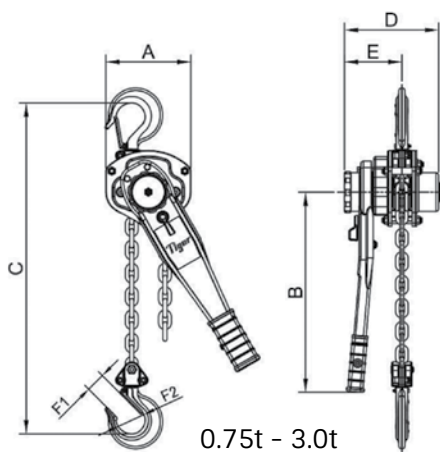


# Industrial Lever Hoist TR7

The TR7 industrial unit is an economical option without compromising quality. Lightweight, compact and rugged construction with the handle, gear case and brake cover made entirely of pressed steel, producing strong resistance to impact damage. Using only the highest quality materials precisely machined throughout ensures the TR7 is the ideal hoist for long term use with less maintenance and servicing costs.

Each unit comes fully certified with a test certificate or an EC Declaration of Conformity stating compliance with the essential health and safety requirements of the Machinery Directive 2006/42/EC. This document clearly states the proof test at 1.5 times the rated capacity and the light load test of 2% of the rated capacity, which exceeds the requirements of the current applicable standard.

- Rugged steel body construction
- Lightweight and portable
- 360 degree handle rotation
- Short stroke and low lever pulling effort
- Easy single-hand "freewheeling" operation
- Drop forged & heat treated alloy hooks
- Highest quality alloy, calibrated load chains in Grade 80 (T) or 100 (V). Also available with stainless steel load chain.
- Safe reliable twin pawl mechanical brake
- Guaranteed light load protection
- Heat treated alloy steel triple spur gears and pinion shaft
- Operating temperature of -40°C to +50°C (-40°F to +122°F)
- Light load testing at maximum of 2% rated capacity
- Ultimate strength test, at least 4 times the Working load limit (WLL)
- 5' height of lift as standard but can be chained to exact requirements
- Individual spares readily available
- Meets or exceeds all the requirements within BS EN 13157: 2004+A1:2009, ANSI/ASME B30.21, AS1418.2 and SANS 1636.



Product Code	Capacity (ton, T)	Effort (kg, lb)	Dimensions (mm, in)							Load Chain		Std. Lift (ft)	Unit weight w/ standard lift (lb)	Adder weight per additional ft of lift (lb)
			A	B	C	D	E	F1	F2	Diameter (mm)	No. of falls			
TR7LH-0075	0.75, 0.83	23, 51	128, 5.03	240, 9.44	275, 10.82	158, 6.22	99, 3.89	24, 0.94	38, 1.49	∅6.3	1	5	17	0.6
TR7LH-0100	1.0, 1.1	29, 64	128, 5.03	236, 9.29	295, 11.61	158, 6.22	99, 3.89	28, 1.10	45, 1.77	∅6.3	1	5	17	0.6
TR7LH-0150	1.5, 1.65	26, 57	154, 6.06	360, 14.17	320, 12.59	172, 6.77	104, 4.09	34, 1.33	51, 2.00	∅7.1	1	5	22	0.7
TR7LH-0200	2.0, 2.2	35, 77	154, 6.06	360, 14.17	320, 12.59	172, 6.77	104, 4.09	34, 1.33	51, 2.00	∅7.1	1	5	24	0.7
TR7LH-0300	3.0, 3.3	38, 84	182, 7.16	360, 14.17	400, 15.74	195, 7.67	108, 4.25	36, 1.41	56, 2.20	∅10.0	1	5	40	1.5
TR7LH-0600	6.0, 6.6	40, 88	242, 9.52	360, 14.17	570, 22.44	195, 7.67	108, 4.25	49, 1.92	70, 2.75	∅10.0	2	5	65	2.9



# Mini Lever Hoist TLH

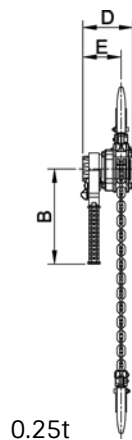
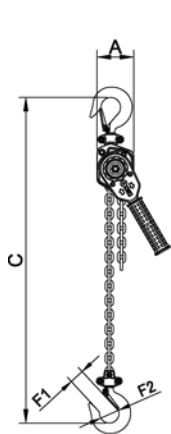
The TLH is lightweight, compact and of rugged construction with the handle, gear case and brake cover made entirely of pressed steel, producing strong resistance to impact damage. We use only the highest quality materials precisely machined throughout. The hoist's exterior is treated with a high quality corrosion resistant finish. This all ensures the TLH is the ideal hoist for long-term use with less maintenance and servicing costs.

The strong impact resistant gearbox housing, complete with close tolerance fit bearings that fully support the pinion shaft and planet gears, maintains smooth revolutions while under load. High gear ratios keep physical effort to a minimum. This provides maximum mechanical efficiency.

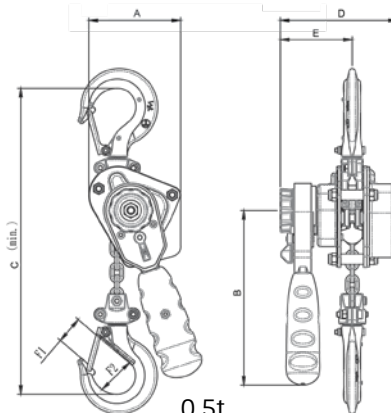
The user friendly heavy duty end stops make it easy for the operator to position the chain while "freewheeling" but most importantly gives complete compliance to all known standards.

These units meet and exceed all the requirements within BS EN 13157: 2004+A1:2009, ANSI/ASME B30.21, AS1418.2 and SANS 1636.

- Range from 0.25t - 0.5t
- Rugged steel body construction
- Lightweight and portable
- 360 degree handle rotation
- Short stroke and low lever pulling effort
- Easy single-hand "freewheeling" operation
- Safe reliable twin pawl mechanical brake
- Guaranteed light load protection
- Heat treated alloy steel triple spur gears and pinion shaft
- Heavy duty chain end stop
- Operating temperature of -40°C to +50°C (-40°F to +122°F)
- 5' height of lift as standard but can be chained to exact requirements
- Individual spares readily available
- Available with load bearing swivel hooks to meet relevant standards i.e. AS 1418.2



0.25t




0.5t

Product Code	Capacity (tons, T)	Effort (kg, lb)	Dimensions (mm, in)							Load Chain		Std. Lift (ft)	Unit weight w/ standard lift (lb)	Adder weight per additional ft of lift (lb)
			A	B	C	D	E	F1	F2	Diameter (mm)	No. of falls			
TLH-0025	0.25, 0.27	30, 66	60, 2.36	156, 6.14	245, 9.65	82, 3.22	63, 2.48	22, .87	31, 1.22	Ø4.0	1	5	4.4	0.2
TLH-0050	0.5, 0.55	30, 66	94, 3.70	156, 6.14	280, 11.02	103, 4.06	67, 2.64	24, .94	38, 1.50	Ø4.0	1	5	6.6	0.2

# Subsea Lever Hoist SS19

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

The SS19 has been designed and developed over a number of years for use primarily in the Subsea environment. The unique design features - including the one piece construction pinion gears and Quad Cam Pawl System - and the anti-corrosion properties incorporated in this range, give it significant safety advantages over standard lever hoists, making the hoist the ideal tool for all marine and extreme applications.

- Suitable for use in multi-immersion applications
- DNV GL Verification tested according to NORSOK R-002
- Available with slipping clutch overload protection
- Range from 0.8t - 30t
- Available with forged clevis adaptor components
- Patented Quad Cam Pawl System
- Certified and proven track record
- Equipped with our unique Torsion Brake System
- One piece construction pinion gear
- Marine specific friction discs
- Light load protection at 2% of the rated capacity
- Lifts, holds and lowers the load at 2% of rated capacity
- No requirement for preload tension to activate the ratchet mechanism
- Adaptable to use both inverted and horizontally
- Brake chamber protection from outside contamination
- High performance premium grease
- Stainless steel fittings and fasteners
- Operating temp. range -40°C to +50°C (-40°F to +122°F)
- Adjustable chain end anchorage specifically designed to the contours of the hoist
- Available with load bearing swivel hooks to meet relevant standards i.e. AS 1418.2
- Also available with corrosion resistant load chain 
- Spark resistant option available (See page 21)
- The SS19 meets and exceeds the requirements of IMCA DO28 Rev. 1 "Guidance on the use of chain lever hoists in the offshore subsea environment", as well as other industry client specifications while conforming to standards such as BS EN 13157: 2004+A1:2009, ANSI/ASME B30.21-2005, AS1418.2 and SANS 1636.



Product Code	Capacity (tons, T)	Effort (kg, lb)	Dimensions (mm, in)							Load Chain		Std. Lift (ft)	Unit weight w/ standard lift (lb)	Adder weight per additional ft of lift (lb)
			A	B	C	D	E	F1	F2	Diameter (mm)	No. of falls			
SS19-0080	0.8, 0.88	23, 50	128, 5.03	243, 9.57	295, 11.61	158, 6.22	99, 3.89	28, 1.10	45, 1.77	Ø6.3	1	10	19.8	0.6
SS19-0150	1.5, 1.65	26, 57	154, 6.06	370, 14.57	320, 12.60	172, 6.77	104, 4.09	34, 1.34	51, 2.01	Ø7.1	1	10	27.6	0.7
SS19-0300	3.0, 3.31	38, 84	182, 7.17	370, 14.57	400, 15.75	195, 7.67	108, 4.25	36, 1.41	56, 2.20	Ø10.0	1	10	48.5	1.5
SS19-0600	6.0, 6.61	40, 88	242, 9.52	370, 14.57	570, 22.44	195, 7.67	108, 4.25	49, 1.93	70, 2.76	Ø10.0	2	10	76.1	2.9
SS19-1000	10.0, 11.0	47, 104	379, 14.92	370, 14.57	630, 24.80	195, 7.67	108, 4.25	54, 2.13	87, 3.43	Ø10.0	3	10	121.2	4.4
SS19-1500	15.0, 16.53	44, 97	566, 22.28	370, 14.57	840, 33.07	195, 7.67	108, 4.25	59, 2.32	81, 3.19	Ø10.0	5	10	282.2	7.3
SS19-2000	20.0, 22.04	49, 108	470, 18.50	370, 14.57	1050, 41.33	250, 9.84	160, 6.30	81, 3.19	110, 4.33	Ø10.0	6	10	383.6	8.8
SS19-3000	30.0, 33.07	48, 106	700, 27.6	360, 14.2	1200, 47.2	440, 17.3	220, 8.7	91, 3.6	135, 5.3	Ø10	9	5	597.5	13.5

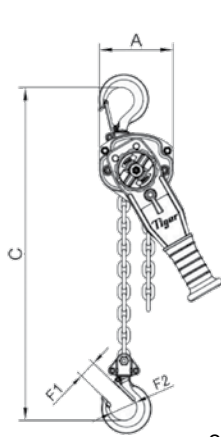
## More features of Subsea Lever Hoist SS19



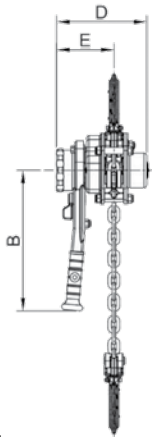
Tiger has incorporated the ultimate safeguard of a single point failure mode as described in IMCA D028 Rev. 1 Note 7.2 by installing a new specially designed adjustable chain end stop profiled to fit the contours of the hoist body



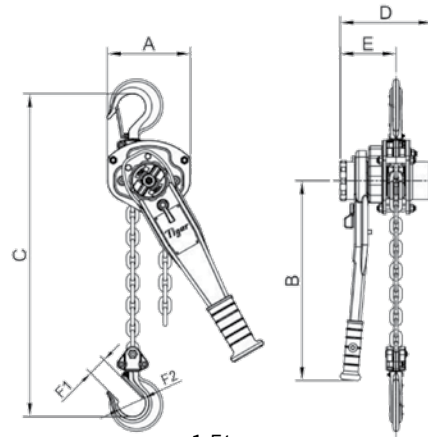
Unique Torsion Brake System



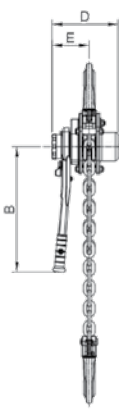
0.8t



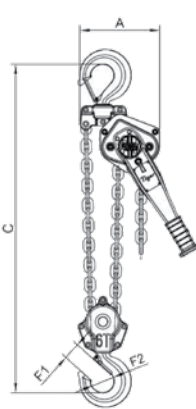
1.5t



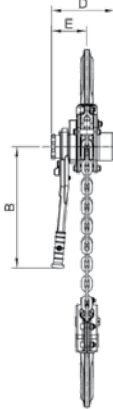
3t



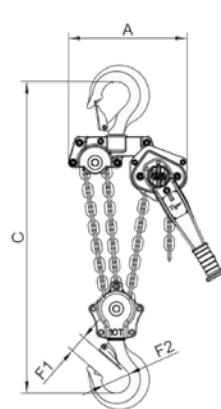
6t



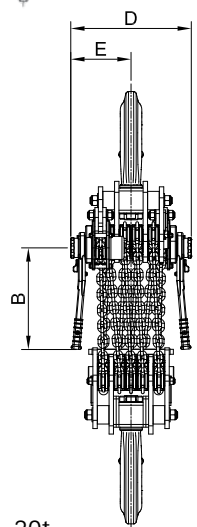
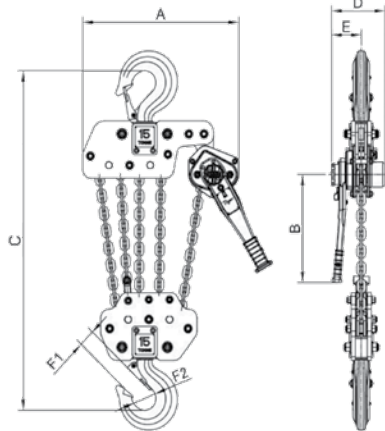
10t



15t



20t



30t

# Spark Resistant Chain Blocks and Lever Hoists

Ex II 2 GD c IIC T4 IIIC T135°C.

In many areas of industry, plants are operated with potentially explosive atmospheres. Due to the very high risk to personnel 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 T4 IIIC T135°C. Suitable for gas and dust hazardous areas: Zone 1 & 2 (gas) and Zone 21 & 22 (dust).

We can supply chain blocks, lever hoists, beam clamps, trolleys and combination block and trolley units.

- Category II – high safety - Certification: Ex II 2 GD c IIC T4 IIIC T135°C
- 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).
- Special coated units
- Different capacities and heights of lift to suit your specific requirements
- Available with overload protection

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







Combined chain blocks and trolleys available

- Stainless steel hand chain (chain blocks)
- Corrosion protected load chain
- 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 fittings and fasteners
- Lever hoist also available using our PROLH unit and standard load chain

Ex II 2 GD c IIC T4 IIIC T135°C

II	2	GD	c	IIC	T4	IIIC	T135°C	
								<b>T135°C</b> Dust Temperature Class: Maximum external surface temperature 135°C
								<b>IIIC</b> Groups of Dust: Protected for group IIIC which includes groups IIIA & IIIB
								<b>T4</b> Gas Temperature Class: Maximum external surface temperature 135°C
								<b>IIC</b> Gas Explosion Group: Protected for group IIC which includes groups IIA & IIB
								<b>c</b> Protection type: Design safety
								<b>GD</b> Ex Atmosphere: Gas and Dust
								<b>2</b> Category: High Safety
								<b>II</b> Equipment Group: surface industries

# Adaptable Chain Blocks and Lever Hoist

- Available for Tiger TCB/SS20 chain blocks and PROLH/SS19 lever hoists.
- All fittings meet the standards of EN1677 grade 100 at 400°C (752°F) tempering.
- Drop forged adaptor for maximum strength certified 4:1 FOS at all angles.
- Self-locking (safety) hook, clevis shackle, reeveable egg (master) link or sling hook fitting available.
- Overload protection available.
- For lifting at angles (cross hauling / fleeting / drifting).
- Chain Blocks – 0.5t - 10t capacity.
- Lever Hoists – 0.8t - 10t capacity.



360° rotation and 180° pivot for maximum flexibility



**Additional adaptable fittings for TCB/SS20 chain blocks and PROLH/SS19 lever hoist**

To replace the top hook, bottom hook or both hooks



Clevis Self-locking Hook



Clevis Sling Hook



Clevis Shackle

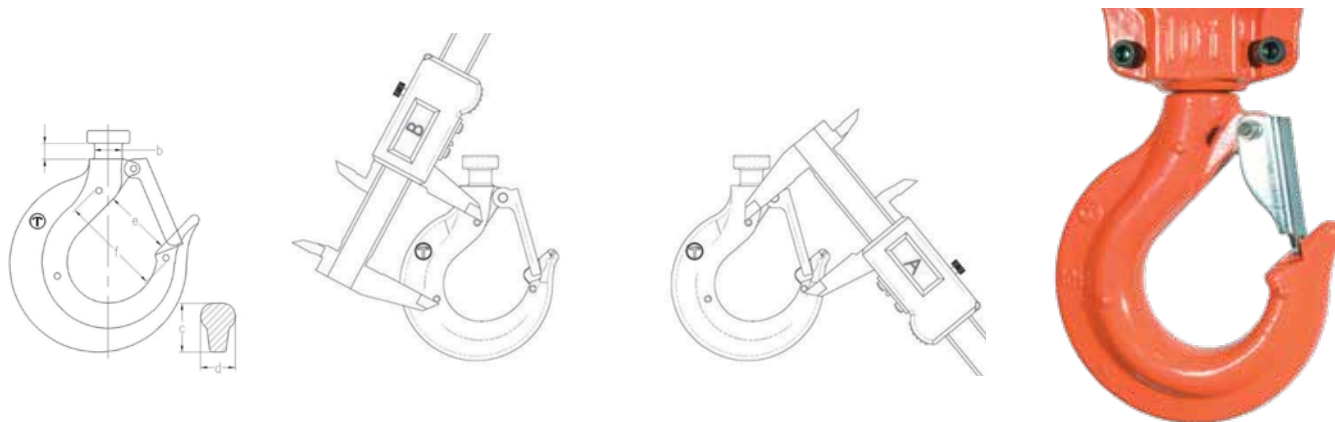


Clevis Reeveable Egg/Master Link





# Chain Block and Lever Hoist Features



Our hooks incorporate our latest Patent Pending “EZ Check” feature which allows operators and inspection engineers to easily check to see if the hoist has been previously overloaded or shock loaded by simply measuring between the triangle of pop marks. With this system a quick check that the A and B measurements are the same (as shown in the diagram above) will indicate if the hooks have stretched: If  $A \leq B$  the hook is fine; If  $A > B$  the hook needs to be replaced.

They are drop forged and heat treated alloy hooks with heavy duty spring latch kits that fully engage into the recessed nose of the hook safeguarding the load when side loading of the latch occurs and offering maximum load security. The swivel hooks are attached to the yoke using high grade nuts & bolts allowing for complete inspection during any statutory inspection or written scheme maintenance. The entire hook fitting has been protected using OCP or stainless steel fixtures and fittings.

Capacity (tons, T)	Collar Measurements (mm, in)	Hook thickness at point shown in diagram (mm, in)	Hook throat Opening (mm, in)			“EZ Check” Measurement (mm, in)
	A		B	C	D	E
0.5-0.75, 0.55-0.83	8, 0.31	13.5, 0.53	19, 0.75	15, 0.59	29, 1.14	47, 1.85
0.8-1.0, 0.88-1.1	8, 0.31	13.5, 0.53	23, 0.91	17, 0.67	34, 1.34	52, 2.05
1.5, 1.65	10, 0.39	15.5, 0.61	26, 1.02	21, 0.83	39, 1.54	59, 2.32
2.0, 2.2	10, 0.39	17.5, 0.69	30, 1.18	22, 0.87	42, 1.65	64, 2.52
3.0, 3.3	12.5, 0.49	20, 0.79	37, 1.46	32, 1.26	42, 1.65	76, 2.99
5.0-6.0, 5.51-6.61	19, 0.74	30, 1.18	43, 1.69	36, 1.42	58, 2.28	86, 3.39
8.0, 8.81	21.7, 0.85	33, 1.30	50, 1.97	43, 1.69	60, 2.36	110, 4.33
10.0, 11.02	20, 0.79	33, 1.30	52, 2.05	48, 1.89	70, 2.76	121, 4.76
15.0, 16.53	-	36, 1.42	67, 2.64	60, 2.36	67, 2.64	130, 5.12
20.0, 22.05	-	48, 1.89	77, 3.03	72, 2.83	90, 3.54	162, 6.38
30.0, 33.07	-	56, 2.20	94, 3.70	78, 3.07	102, 4.02	177, 6.97

**Certification:**

Each unit comes fully certified with a test certificate or an EC Declaration of Conformity stating compliance with the essential health and safety requirements of the Machinery Directive 2006/42/EC. This document clearly states the proof test at 1.5 times the rated capacity and the light load test of 2% of the rated capacity, which exceeds the requirements of the current applicable standard. Finish: Tiger hoists are finished in our high quality powder coat paint offering excellent corrosion protection.

**Load Chains:**

Tiger only use the highest quality alloy, calibrated load chains in Grade 80 (T) or 100 (V) conforming to EN818-7 and ISO 16872. Our hoists are also available with stainless steel load chain.

**Performance:**

Tiger chain blocks and lever hoists have undergone a full test program that includes:

Type Testing

- Ultimate strength test, at least 4 times the Working Load Limit (WLL)
- Continuous cyclic testing of over 1500 cycles
- Chain end anchorage test, passing at least 2.5 times the WLL without any restriction of the brake or gears

Test on every hoist

- Proof loading at 1.5 times the rated capacity
- Light load testing at maximum of 2% rated capacity

**Mechanical Efficiency:**

All major components are heat treated and precisely machined to ensure long term smooth operation. High gear ratios keep physical effort to a minimum.

**Grease:** High performance premium quality grease allows our hoists to be certified for use within a temperature range of -40°C to +50°C (-40°F to +122°F), far exceeding the requirements of current standards.

**Cross Hauling/Fleeting Operations**

Chain blocks and lever hoists fitted with our patent protected Quad Cam brake system have undergone a full and comprehensive testing regime that was drawn up by industry specialists and Tiger’s mechanical engineers to provide evidence that these units can be safely used for fleeting and cross-hauling applications up to 45° without de-rating.

**Note:** All such operations should be carried out in accordance with manufacturer’s instructions and fully risk assessed by a competent person.

**Brake Efficiency:**

Tiger uniquely uses an 8 point multi start threaded pinion shaft which has measurably increased the efficiency in brake reaction times.

**Finish:**

Tiger hoists are finished in our high quality powder coat paint offering excellent corrosion protection.

**Tiger Adaptor Hoists - 360° Rotation and 180° Pivot for Maximum Flexibility**



Tiger Adaptor Hoists are available with our drop-forged clevis adaptor allowing for the interchangeable range of EN1677 Tiger grade 100 at 400°C (752°F) tempered clevis fittings.

The range includes clevis shackles, self-locking (safety) hooks, reeveable egg (master) links and sling hooks. This Tiger manufactured knuckle configuration gives 360° Rotation and 180° Pivot for maximum flexibility, while maintaining our 4:1 factor of safety at all angles.

Available for Tiger TCB/SS20 chain blocks and PROLH/SS19 lever hoists



**Quad Cam Brake Design:**

Our patented braking system feature has been designed by Tiger to enhance the safety of our lever hoists and chain blocks. This unique design ensures there is always permanent engagement of one of the pawls in the ratchet wheel. The reciprocating action always forces the pawl into the gear even without a pawl spring. This ensures the brake is always fully functional. With a conventional twin pawl brake mechanism (teardrop design) failure can occur if the pawl spring erodes, fractures or a shock load bounces the pawls out of the ratchet gear. Without the spring these systems rely on gravity keeping the pawls engaged and are flawed when the hoist is used at angles away from the vertical. Our quad cam pawl system is fitted to TCB/SS20 chain blocks and PROLH/SS19 lever hoists.

**Overload protection:**

If the exact load can't be accurately determined then consider using hoists with slipping clutch overload protection. If the chain block or lever hoist is fitted with a slipping clutch overload mechanism then it is protected from overload. When the load limit is exceeded, the clutch in the chain wheel will slip, allowing the hand wheel to be rotated or handle to be operated while not engaging the gear box. This prevents further lifting of the load, though lowering is still possible. Load limiters can be fitted to TCB/SS20 chain blocks and PROLH/SS19 lever hoists. Tiger chain blocks and lever hoists fitted with overload limiters are DNV GL Verification tested according to NORSOK R-002.



# Industrial Air Hoists TAH

Tiger industrial air hoists are designed for, and proven in, many industries including mining, shipyards, offshore construction and power stations. They are also used for industrial and general engineering applications such as automotive plants, foundries, and heat treatment plants. The hoists operate at air pressures of between 4 and 6 bar. They comply with the requirements of ASME B30.16 and EN1L11192-2. Our manufacturing facility is 1S09001, 5014001 & OHSAS18001 certified.

- Range - 0.25t to 20t
- Reliable, fast, efficient, quiet and lightweight
- Greater than 5:1 factor of safety
- Suitable for Fleeting/Oblique pulling
- Certified for ATEX Category 3 — normal safety



## More features of Tiger Air Chain Hoists

### Load Limiter

Integral differential pressure load limiting valve automatically prevents the operator lifting a load of more than 125% of the working load limit. Load limiter is 100% repeatable at all working pressures and does not wear or generate damaging heat.

### Emergency Stop

Pendant control hoists are supplied with a main emergency stop valve. This shuts off the main air supply to the hoist when activated.

### Pendant Control Options

Our air hoists are supplied with either aluminum hard anodised controls which offer excellent corrosion protection or our Nickel plated SG iron option (for higher impact resistance combined with greater tensile strength and superior corrosion protection). Twist grip pendants are available as an option. **Our new dual control pendant will operate two hoists with one pendant control. We also have a new remote control option available.**



Aluminum Hard Anodised Pendant



Nickel Plated SG Iron Pendant



Optional Twist Grip Pendant



NEW Dual Hoist Pendant



NEW Remote Control

## More features of Tiger Air Chain Hoists

### Fleeting, Cross Hauling or Oblique Pulling

This type of application is when the load deviates from the vertical position with a force acting directly between load hook and suspension point. Our air hoists can be used for fleeting and oblique pulling operations with no de-ration of the hoist. Cross hauling can be done with a single hoist, two hoists operated independently or with two hoists operated off one dual hoist pendant control.

### Temperature Range

Ambient temperature range -4°F to +158°F (for temperatures outside of this range please contact us for details).

### Precise Control

Accurate and precise positioning of loads is standard for both toggle and pendant control models.

### Fail Safe Disc Brake

Non-asbestos self-adjusting disc brake is applied automatically when the air supply to the hoist is shut off. The brake is self-adjusting for the life of the brake and can hold more than 125% of the working load limit.

### Integral Silencer

The exhaust air silencer is built into the hoist gearbox housing and limits the noise level to below 85dB(A).

### Load Chain

Grade 80 load chain ensures stringent high-speed duty cycles can be met. The load chain is in accordance with the requirements of EN818-7 Appendix B.

### Vane Motor

Assisted vane lifting ensures maximum starting torque when starting under load.

### Sealed Gearbox

The sealed planetary gearbox ensures that the most stringent duty cycles can be met. The gears are heat treated and mounted on high strength, low friction bearings.

### Ease of Maintenance

The modular design of the hoist allows easy access to internal components such as the motor, gearbox, brake and load limiter. Common parts are used throughout the range.

### Optional Chain Carrier

Designed to carry and hold the length of load chain required for the operation, our stainless steel chain bucket is available in different size options. These chain carriers prevent loose chain from getting snagged during lifting or lowering operations and protect any loose chain during transit to and from the operational site.

### ATEX

Manufactured in accordance with ATEX Directive 2014/34/EU and Machinery Directive 2006/42/EC and suitable for ATEX Category 3 – normal safety. Our products are assigned as follows: ATEX marking: : Ex II 3 GD c IIB T4 IIIB T135°C. Suitable for gas and dust hazardous areas: Zone 2 (gas) and Zone 22 (dust).



### Ex II 3 GD c IIB T4 IIIB T135°C

<b>II</b>	<b>3</b>	<b>GD</b>	<b>c</b>	<b>IIB</b>	<b>T4</b>	<b>IIIB</b>	<b>T135°C</b>	
								<b>T135°C</b> Dust Temperature Class: Maximum external surface temperature 135°C
								<b>IIIB</b> Groups of Dust: Protected for group IIIC which includes groups IIIA
								<b>T4</b> Gas Temperature Class: Maximum external surface temperature 135°C
								<b>IIB</b> Gas Explosion Group: Protected for group IIB whicj includes group IIA
								<b>c</b> Protection type: Design safety
								<b>GD</b> Ex Atmosphere: Gas and Dust
								<b>3</b> Category: Normal Safety
								<b>II</b> Equipment Group: surface industries

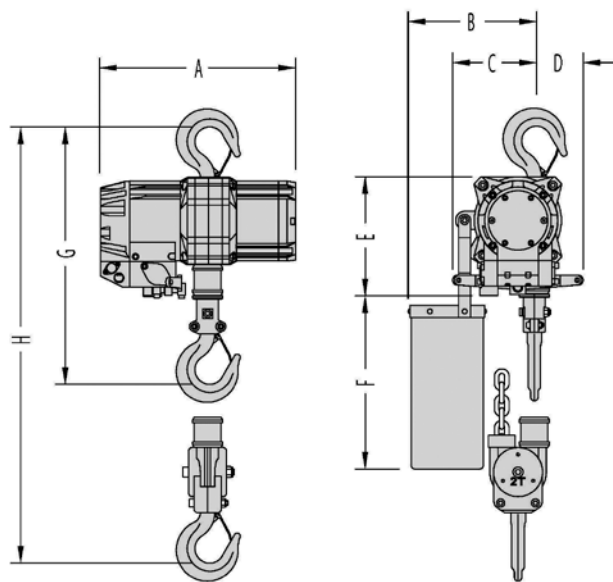
Also available for ATEX Category 2 – high safety – please contact us for more information.



# Industrial Air Hoists TAHS



TAHS-002

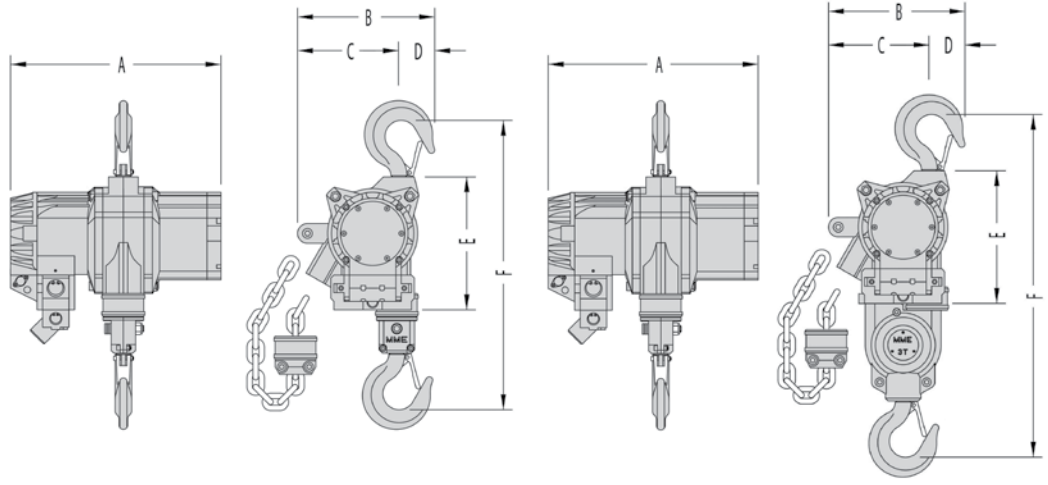


Product Code	Capacity (tons, T)	Falls of Chain	Chain Size (mm, in)	Total Weight (kg*, lbs)	Full Load Lifting Speed (m/min, ft/min)	No Load Lifting Speed (m/min, ft/min)	Full Load Lowering Speed (m/min, ft/min)	No Load Lowering Speed (m/min, ft/min)	Air Consumption (m³/min, cfm)	Air Connection	Supply Hose (Inside Ø) (mm, in)	Sound Level (dB(A))	Dimensions (mm, in)							
													A	B	C	D	E	Min F	Min G	Min H
TAHS-002	0.25, 0.27	1	7.1x21.2, 0.28x0.83	25.0, 55	22.5, 73	32.0, 105	31.0, 101.5	25.0, 82	2.1, 74	NPT <sup>1</sup> / <sub>2</sub>	16, <sup>3</sup> / <sub>4</sub>	76	312, 12.3	216, 8.5	135, 53.1	85, 3.3	196, 7.7	370, 14.5	420, 16.5	-
TAHS-005	0.5, 0.55	1	7.1x21.2, 0.28x0.83	25.0, 55	15.0, 49	29.5, 97	36.0, 118	23.0, 75	2.1, 74	NPT <sup>1</sup> / <sub>2</sub>	16, <sup>3</sup> / <sub>4</sub>	76	312, 12.3	216, 8.5	135, 53.1	85, 3.3	196, 7.7	370, 14.5	420, 16.5	-
TAHS-010	1.0, 1.1	1	7.1x21.2, 0.28x0.83	25.0, 55	7.5, 25	16.0, 52.5	20.4, 67	13.0, 42	2.1, 74	NPT <sup>1</sup> / <sub>2</sub>	16, <sup>3</sup> / <sub>4</sub>	76	312, 12.3	216, 8.5	135, 53.1	85, 3.3	196, 7.7	370, 14.5	420, 16.5	-
TAHS-020	2.0, 2.2	2	7.1x21.2, 0.28x0.83	32.8, 72	3.8, 12.5	8.0, 26	10.2, 33	6.5, 21	2.1, 74	NPT <sup>1</sup> / <sub>2</sub>	16, <sup>3</sup> / <sub>4</sub>	76	312, 12.3	216, 8.5	135, 53.1	85, 3.3	196, 7.7	370, 14.5	-	495, 19.5

\*Weight of TAHS model includes 3m/10' lift, 2m/6.5' toggle control. For longer lifts add 1.1kg/.75lbs for TAHS-002, TAHS-005, and TAHS-010 models and 2.2kg/1.5 lbs for TAHS-020 per meter/foot of lift. For pendant control add 0.8kg/0.5 lbs. per meter/foot.



# Industrial Air Hoists TAH21



1.5 and 2.0t

3.0t

Product Code	Capacity (tons, T)	Falls of Chain	Chain Size (mm, in)	Total Weight (kg*, lbs)	Full Load Lifting Speed (m/min, ft/min) @ 6 bar	Full Load Lifting Speed (m/min, ft/min) @ 4 bar	No Load Lifting Speed (m/min, ft/min) @ 6 bar	Full Load Lowering Speed (m/min, ft/min) @ 6 bar	No Load Lowering Speed (m/min, ft/min) @ 6 bar	Air Consumption (m³/min, cfm) @ 6 bar	Air Consumption (m³/min, cfm) @ 4 bar	Air Connection	Supply Hose (Inside Ø) (mm, in)	Sound Level (dB(A))		Dimensions (mm, in)					
														Full Load Lifting @ 6bar	Full Load Lowering @ 6bar	A	B	C	D	E	Min F
TAH21-015	1.5, 1.65	1	10x28, 0.39x1.10	55, 121	6.2, 20	4.2, 14	8.7, 28.5	8.6, 28	7.5, 25	92, 2.6	1.7, 60	NPT <sup>3/4</sup>	19, 3/4	81	83	382, 15	250, 9.8	184, 7.25	66, 2.6	213, 84	515, 20.2
TAH21-021	2.0, 2.2	1	10x28, 0.39x1.10	55, 121	5.3, 17	3.0, 9.8	8.7, 28.5	9.0, 29.5	7.5, 25	92, 2.6	1.7, 60	NPT <sup>3/4</sup>	19, 3/4	81	83	382, 15	250, 9.8	184, 7.25	66, 2.6	213, 84	515, 20.2
TAH21-032	3.0, 3.3	2	10x28, 0.39x1.10	67, 148	3.1, 10	2.1, 7	4.3, 14	4.3, 14	3.7, 12	92, 2.6	1.7, 60	NPT <sup>3/4</sup>	19, 3/4	81	83	382, 15	250, 9.8	184, 7.25	66, 2.6	213, 84	610, 24

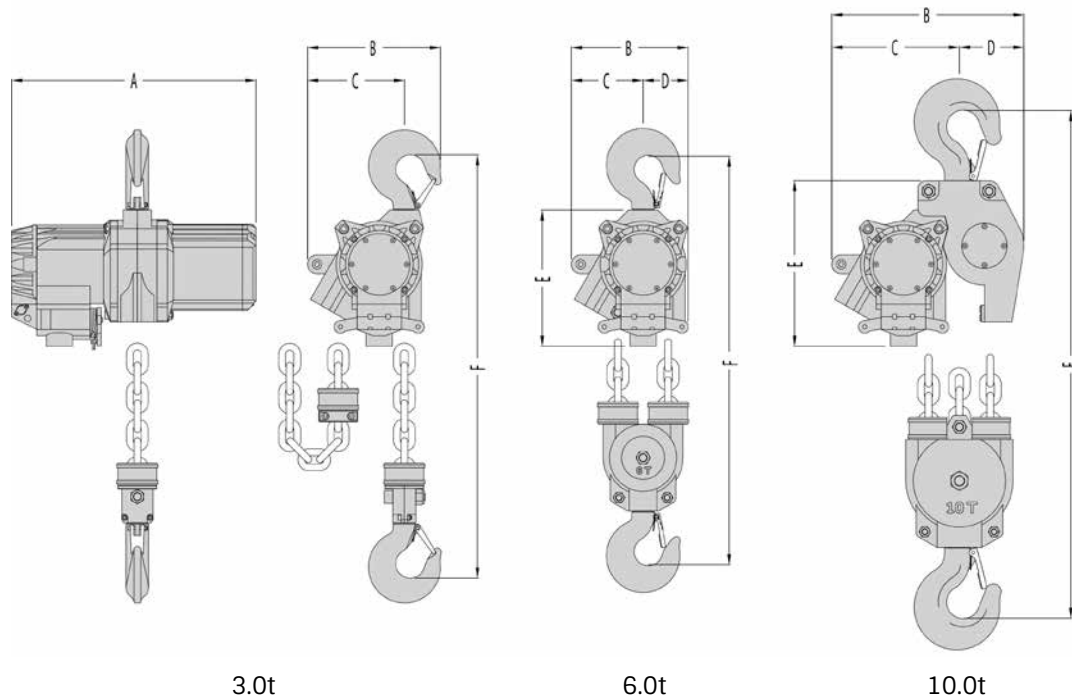
\*Weight of TAH21 model includes 3m/10' lift, 2m/6.5' toggle. For longer lifts add 2.2kg/1.5lbs per meter/foot of lift for TAH21-015, TAH21-021 and 4.4kg/3lbs for the TAH21-032 per meter/foot of lift. For pendant control add 0.4kg/0.9 lbs. for E/Stop pendant add 2.1kg/1.4lbs per meter/foot



# Industrial Air Hoists TAH33



TAH33-060



3.0t

6.0t

10.0t

Product Code	Capacity (tons, T)	Falls of Chain	Chain Size (mm, in)	Total Weight (kg*, lbs)	Full Load Lifting Speed (m/min, ft/min) @ 6 bar	Full Load Lifting Speed (m/min, ft/min) @ 4 bar	No Load Lifting Speed (m/min, ft/min) @ 6 bar	Full Load Lowering Speed (m/min, ft/min) @ 6 bar	No Load Lowering Speed (m/min, ft/min) @ 6 bar	Air Consumption (m³/min, cfm) @ 6 bar	Air Consumption (m³/min, cfm) @ 4 bar	Air Connection		Supply Hose (inside Ø) (mm, in)	Sound Level (dB(A))		Dimensions (mm, in)					
												Toggle & Pilot Pendant Control	E/Stop Pilot Pendant Control		Full Load Lifting @ 6bar	Full Load Lowering @ 6bar	A	B	C	D	E	Min F
TAH33-030	3.0, 3.3	1	13x36, 0.5x1.4	76.5, 169	5.3, 17	3.8, 12	7.5, 25	8.3, 27	6.8, 22	4.0, 142	2.6, 92	NPT1	NPT¾	25, 1	81	83	466, 18.3	254, 10	185, 7.3	-	-	538, 21.1
TAH33-060	6.0, 6.6	2	13x36, 0.5x1.4	99.5, 219	2.6, 8.5	1.9, 6.25	3.7, 12	4.1, 13.5	3.4, 11	4.0, 142	2.6, 92	NPT1	NPT¾	25, 1	81	83	466, 18.3	223, 8.8	137, 5.4	86, 3.4	259, 10.2	630, 24.8
TAH33-103	10.0, 11.0	3	13x36, 0.5x1.4	139.5, 308	1.6, 5.25	1.1, 3.5	2.4, 7.8	2.6, 8.5	2.2, 7	4.0, 142	2.6, 92	NPT1	NPT¾	25, 1	81	83	466, 18.3	366, 4.4	243, 9.6	123, 4.9	315, 12.4	786, 31

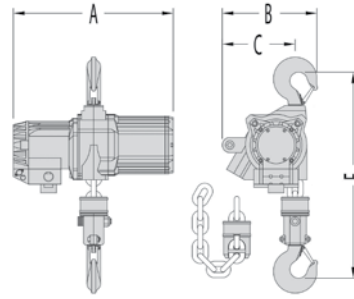
\*Weight of TAH33 model includes 3m/10' lift, 2m/6.5' toggle control. For longer lifts add 3.8kg/2.5lbs per meter/foot of lift for TAH33-030, 7.6kg/5.1lbs for the TAH33-60 and 11.4kg/7.7lbs for the AH-103 per meter/foot of lift. For pendant control add 0.8kg/0.5lbs.



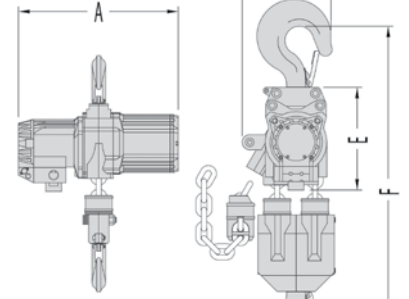
# Industrial Air Hoists TAH52



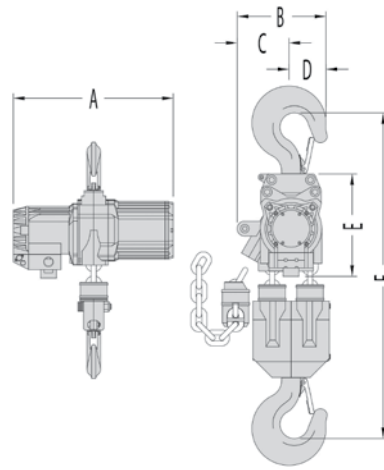
TAH52-160



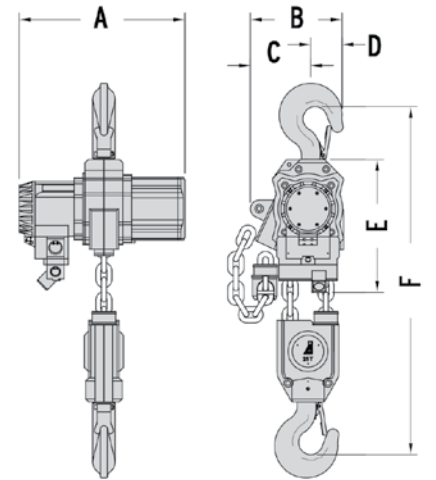
5.0t



10.0t



16.0 and 20.0t



25.0 & 30.0t

Product Code	Capacity (tons, T)	Falls of Chain	Chain Size (mm, in)	Total Weight (kg*, lbs)	Full Load Lifting Speed (m/min, ft/min) @ 6 bar †	Full Load Lifting Speed (m/min, ft/min) @ 4 bar †	No Load Lifting Speed (m/min, ft/min) @ 6 bar †	Full Load Lowering Speed (m/min, ft/min) @ 6 bar †	No Load Lowering Speed (m/min, ft/min) @ 6 bar †	Air Consumption (m³/min, cfm) @ 6 bar	Air Consumption (m³/min, cfm) @ 4 bar	Air Connection		Supply Hose (Inside Ø) (mm, in)	Sound Level (dB(A))		Dimensions (mm, in)					
												Toggle & Pilot Pendant Control	E/Stop Pilot Pendant Control		Full Load Lifting @ 6bar	Full Load Lowering @ 6bar	A	B	C	D	E	Min F
TAH52-050	5.0, 5.5	1	16x45, 0.6x1.8	106, 234	3.0, 9.8	1.9, 6.2	4.0, 13	4.4, 14.4	3.3, 10.8	4.0, 141.3	2.6, 91.8	NPT1	NPT¾	25, 1	82	83	503, 19.8	300, 11.8	230, 9.1	-	-	600
TAH52-102	10.0, 11	2	16x45, 0.6x1.8	152, 335	1.5, 4.9	0.9, 3	2.0, 6.5	2.2, 7.2	1.7, 5.6	4.0, 141.3	2.6, 91.8	NPT1	NPT¾	25, 1	82	83	503, 19.8	270, 10.6	170, 6.7	100, 3.9	286, 11.3	790, 31.1
TAH52-160	16, 17.6	3	16x45, 0.6x1.8	245, 540	0.9, 3	0.6, 2	1.1, 3.6	1.3, 4.2	1.0, 3.3	4.0, 141.3	2.6, 91.8	NPT1	NPT¾	25, 1	82	83	616, 24.3	290, 11.4	180, 7.1	110, 4.3	325, 12.8	905, 35.6
TAH52-200	20, 22	4	16x45, 0.6x1.8	288, 635	0.7, 2.3	0.4, 1.3	0.9, 3	1.0, 3.2	0.8, 2.6	4.0, 141.3	2.6, 91.8	NPT1	NPT¾	25, 1	82	83	616, 24.3	280, 11.0	165, 6.5	115, 4.5	325, 12.8	920, 36.2
TAH52-300	30, 33	2	23.5x66, 0.9x2.6	575, 1268	1.1, 3.6	0.8, 2.6	2.5, 8.2	2.8, 9.2	2.0, 6.6	6.5, 229.5	4.4, 155.4	NPT1	NPT¾	35, 1-3/8"	82	83	762, 30	422, 16.6	277, 10.9	145, 5.7	605, 23.8	1290, 50.8

\*Weights of TAH52 model includes 3m/10' lift, 2m/6.5' toggle control. For longer lifts, add 5.7kg/12.6lbs per meter/foot of lift for model TAH52-050. Add 11.4kg/25.1lbs per meter/foot of lift for the TAH52-102. Add 17.1kg/37.7lbs per meter/foot of lift for the TAH52-160. Add 22.8kg/50.3lbs per meter/foot of lift for the TAH52-200, and add 24.6kg/54.23lb for the TAH52-300. \*For pendant control add 0.8kg/1.8lbs



# Air Monorail Trolley Hoists

Tiger air monorail trolley hoists are designed for, and proven in, many industries including mining, shipyards, offshore construction and power stations. They are also used for industrial and general engineering applications such as automotive plants, foundries, and heat treatment plants. The hoists operate at air pressures of between 4 and 6 bar. They comply with the requirements of ASME B30.16 and EN14492-2. Our manufacturing facility is ISO9001 certified.

- Range - 10 tonne, 16 tonne and 20 tonne
- Reliable, fast, efficient, quiet and lightweight
- Greater than 5:1 factor of safety
- Certified for ATEX Category 3 – normal safety



## Features of Tiger Air Monorail Trolley Hoists

### Safety

Anti-fall, anti-derailment and anti-tilt features are standard throughout the range.

### Load Limiter

Integral differential pressure load limiting valve automatically prevents the operator lifting a load of more than 125% of the working load limit. Load limiter is 100% repeatable at all working pressures and does not wear or generate damaging heat.

### Emergency Stop

All monorail hoists are supplied with main line emergency stop as standard. This shuts off the main air supply to the hoist and traverse motors when activated.

### Temperature Range

Ambient temperature range -20°C to +70°C (for temperatures outside of this range please contact us for details).

### Precise Control

Accurate and precise positioning of loads is standard for all models.

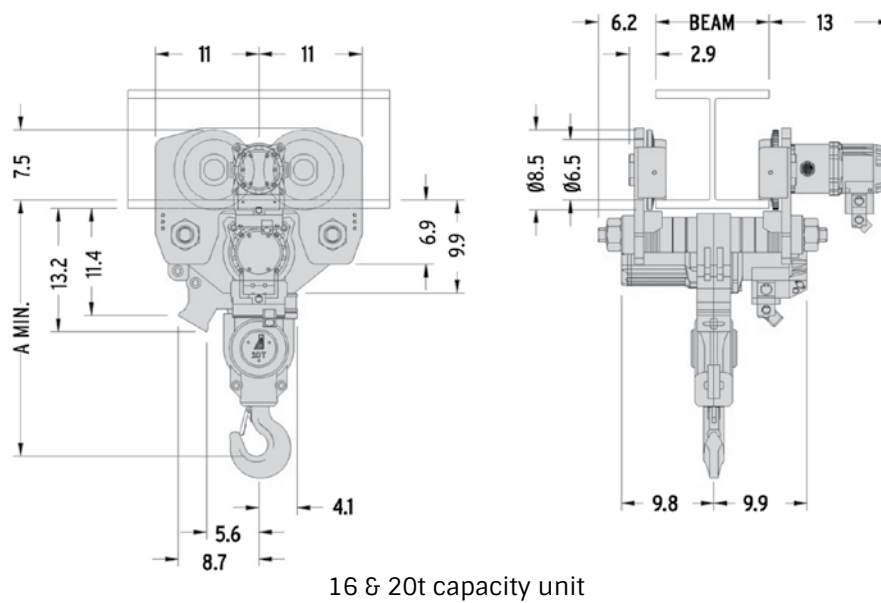
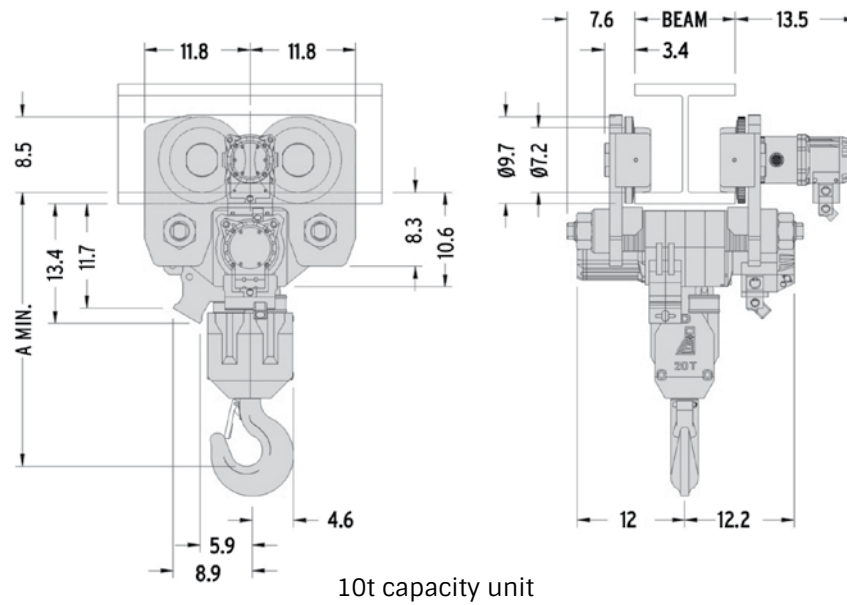
### Fail Safe Disc Brake

Non-asbestos self-adjusting disc brake is applied automatically when the air supply to the hoist is shut off. The brake is self-adjusting for the life of the brake and can hold more than 125% of the working load limit.

Product Code	Capacity (tons, T)	Falls of Chain	Chain Size (mm, in)	Beam Width Range (mm, in)	Min. Headroom (mm, in)	Full Load Lifting Speed (m/min, ft/min)	No Load Lifting Speed (m/min, ft/min)	Full Load Lowering Speed (m/min, ft/min)	No Load Lowering Speed (m/min, ft/min)	Air Consumption (m <sup>3</sup> /min, cfm)	Air Connection	Supply Hose (Inside Ø) (mm, in)	Sound Level (dB(A))	Total Weight (kg*, lbs)
MTH-102	10.0, 11.0	2	16x45, 0.6x1.8	150-300, 5.9-11.8	685, 26.9	1.5, 4.9	2.0, 6.6	2.2, 7.2	1.7, 5.6	4.0, 141	G <sup>3</sup> / <sub>4</sub>	25, 0.98	83	375, 827
MTH-160	16.0, 16.25	3	16x45, 0.6x1.8	150-300, 5.9-11.8	740, 29.1	0.9, 2.9	1.1, 3.6	1.3, 4.3	1.0, 3.3	4.0, 141	G <sup>3</sup> / <sub>4</sub>	25, 0.98	83	570, 1257
MTH-200	20.0, 22.04	4	16x45, 0.6x1.8	150-300, 5.9-11.8	780, 30.7	0.7, 2.3	0.9, 2.9	1.0, 3.3	0.8, 2.6	4.0, 141	G <sup>3</sup> / <sub>4</sub>	25, 0.98	83	595, 1312

\* For larger beam widths than shown here, contact the factory

All diagram measurements are imperial



Ex II 3 GD c IIB T4 IIIB T135°C

II	3	GD	c	IIB	T4	IIIB	T135°C	
								<b>T135°C</b> Dust Temperature Class: Maximum external surface temperature 135°C
								<b>IIIB</b> Groups of Dust: Protected for group IIIC which includes groups IIIA
								<b>T4</b> Gas Temperature Class: Maximum external surface temperature 135°C
								<b>IIB</b> Gas Explosion Group: Protected for group IIB which includes group IIA
								<b>c</b> Protection type: Design safety
								<b>GD</b> Ex Atmosphere: Gas and Dust
								<b>3</b> Category: Normal Safety
								<b>II</b> Equipment Group: surface industries

Also available for ATEX Category 2 - high safety - please contact us for more information.



# Air Trolleys TA, TG, & TP

T series trolleys are designed specifically for mining, industrial and general engineering applications. The trolleys are available in plain, geared and motorized versions and can be supplied with rigid or hook on adaptors. They have a minimum factor of safety of 5 at the maximum rated load and are therefore suitable for use with both manual and powered hoists. The trolleys comply with the requirements of SANS 1824, EN13157 and EN14492-2. The manufacturing facility producing the trolleys is ISO9001, ISO14001 & OHSAS18001 certified.

- 1t, 3t, 6t, and 10t capacity units
- Low headroom, compact and versatile
- Available in plain, geared and motorized versions
- Greater than 5:1 factor of safety
- Anti-fall, anti-derailment and anti-tilt features as standard

### Precise Control

Infinitely variable control offers precise speed control from creep to full speed. The maximum allowable traverse speed can also be set on the trolley control valve.

### Emergency Stop

All trolleys can be supplied with an emergency stop device as an option. This shuts off the main air supply to the trolley when activated. Resetting the device will not automatically restart the traverse operation.

### Vane Motor

Assisted vane lifting ensures maximum starting torque when starting under load. The motor is not affected by wet or damp operating conditions. Built in silencer limits noise level to 76dB(A).

### Low Headroom

Compact design reduces headroom. Rigid adaptor further reduces headroom.

### Versatility

Trolley fits a wide variety of beam widths. They can accommodate both parallel and tapered flange beams. Hook on adaptor allows any hoist up to trolley capacity to be attached.

### Automatic Stopping

Motorized traverse drive stops automatically due to the worm drive when the air supply is shut off. Additional traverse brake is optional.

### Small Turn Radius

Trolleys can negotiate small turn radii in the support beam.



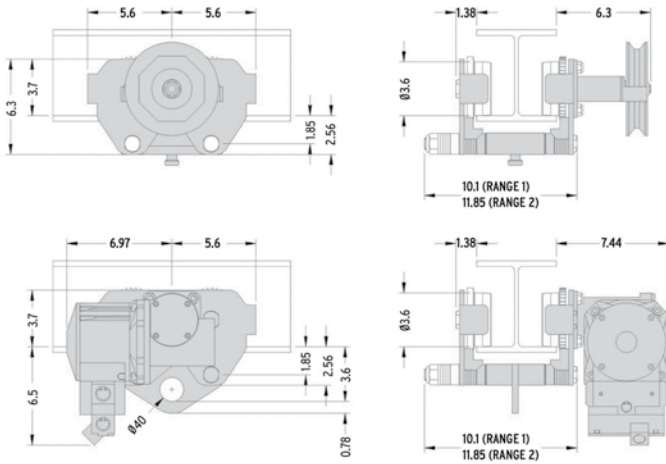
6t trolley shown with integrated TAH33 hoist

Product Code	Capacity (tons, lbs)	Track Width Range (mm, in)	Min. Curve Ratio (mm, in)	Net Weight (kg, lb)	Max Traverse Speed (m/min, ft/min) @ 6bar
TA1000	1.0, 2200	73-152, 2.9-6.0	900, 35.4	30.5, 67.2	22.0, 72.2*
TG1000	1.0, 2200	73-152, 2.9-6.0	900, 35.4	21.2, 46.7	22.0, 72.2*
TP1000	1.0, 2200	73-152, 2.9-6.0	900, 35.4	18.2, 40.1	22.0, 72.2*
TA3000	3.0, 6600	89-184, 3.6-7.2	950, 37.4	44.0, 97.0	28.0, 91.9*
TG3000	3.0, 6600	89-184, 3.6-7.2	950, 37.4	34.7, 76.5	28.0, 91.9*
TP3000	3.0, 6600	89-184, 3.6-7.2	950, 37.4	31.7, 69.9	28.0, 91.9*
TA6000	6.0, 13,200	128-184, 5.0-7.2	1600, 63.0	80.0, 176.4	27.0, 88.6*
TG6000	6.0, 13,200	128-184, 5.0-7.2	1600, 63.0	72.0, 158.7	27.0, 88.6*
TP6000	6.0, 13,200	128-184, 5.0-7.2	1600, 63.0	69.0, 152.1	27.0, 88.6*
TA10200	10.0, 22,000	150-320, 5.9-12.6	2800, 110.2	153.0, 337.3	23.0, 75.5*
TG10200	10.0, 22,000	150-320, 5.9-12.6	2800, 110.2	145.0, 319.7	23.0, 75.5*
TP10200	10.0, 22,000	150-320, 5.9-12.6	2800, 110.2	142.0, 313.1	23.0, 75.5*

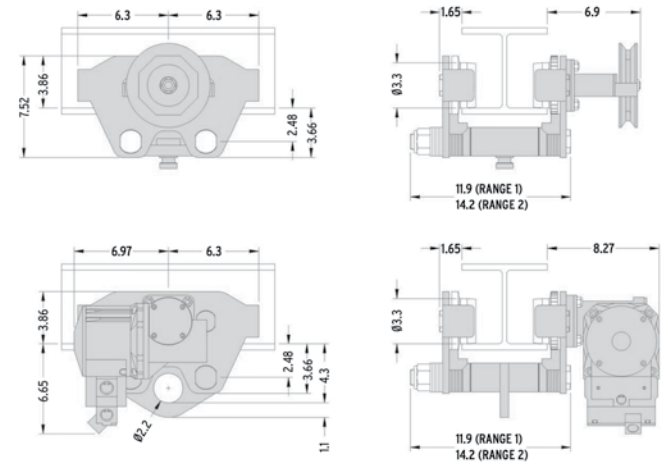
\*Variable traverse speed is standard on the motorized TA series trolley.

All diagram measurements are imperial

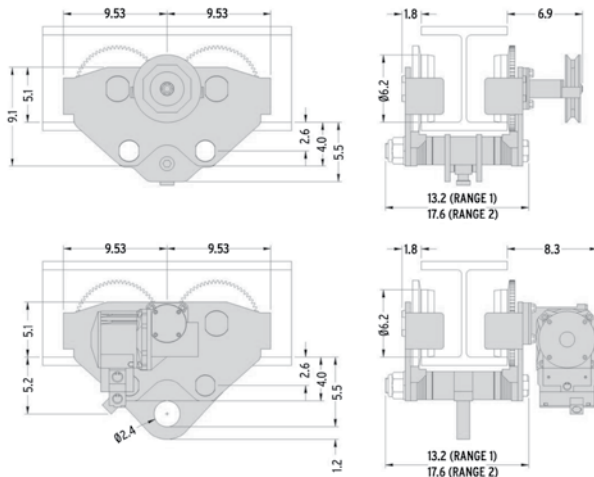
1t capacity unit



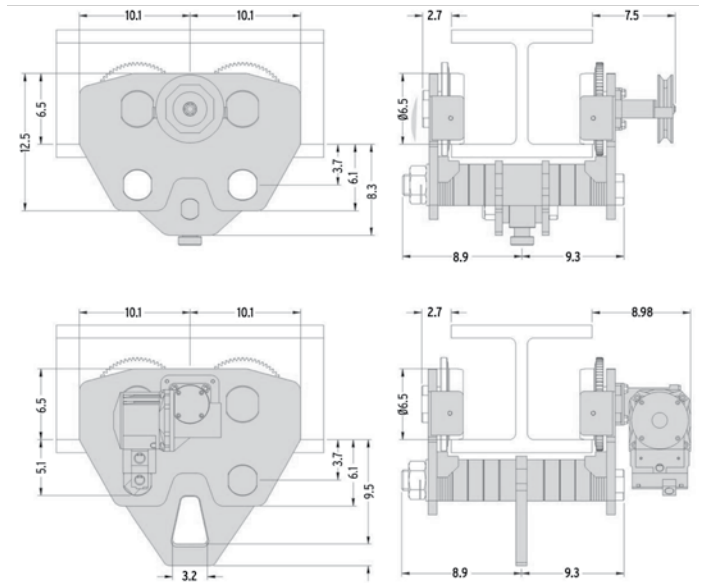
3t capacity unit



6t capacity unit



10t capacity unit



**How to Order:** Example: TAG000HPE2

Series	Type	Load (kg, lb)	Attachment	Control	Pendant Type	Control Length (m, ft)
T	A	6000	H	P	E	2
	A= Motorized G= Geared P= Plain	1000, 2200	H=Hook On R=Rigid	P = Pendant T= Toggle	E= 3 Hose F= 5 Hose	
		3000, 6600				
		6000, 13,200				

Due to our policy of continual product development, dimensions, weights and specifications may change without prior notice. Please check with your Tiger sales team when ordering.

Bespoke designs available on request – contact sales@tigerliftingna.com for more information.



# Low Headroom Air Trolley & Hoist ULT

ULT series hoists are designed specifically for mining, industrial and general engineering applications where headroom is extremely limited such as locomotive battery bays, pump chambers and underground workshops. They are available in geared and motorized traverse versions. The hoists operate at air pressures of between 4 and 6 bar and have a factor of safety in excess of 5 at the rated load. They comply with the requirements of SANS 1638, ASME B30.16 and EN14492-2. The manufacturing facility producing the hoists is 1509001, 5014001 & OHSAS18001 certified.



- Range — 2, 3, 4 & 6t
- Ultra-low headroom, compact and versatile
- Available in geared and motorized versions
- Greater than 5:1 factor of safety
- Integrated load limiter

Product Code	Capacity (tons, T)	Falls of Chain	Chain Size (mm, in)	Total Weight (kg*, lbs)	Full Load Lifting Speed (m/min, ft/min) @ 6 bar	Full Load Lifting Speed (m/min, ft/min) @ 4 bar	Traverse Speed (m/min, ft/min) @ 6 bar	Air Consumption (m <sup>3</sup> /min, cfm) @ 6 bar	Air Consumption (m <sup>3</sup> /min, cfm) @ 4 bar	Air Connection	Supply Hose (Inside Ø) (mm, in)	Sound Level (dB(A))	Minimum Headroom (mm)	Minimum Beam Curve Radius (mm)
ULTA2200	2.0, 2.2	2	10x28, 0.39x1.1	230, 507.1	5.3, 17.4	5.3, 17.4	3.2, 10.5	2.6, 91.8	1.7, 60.0	NPT <sup>3</sup> / <sub>4</sub>	19, 0.75	83	260, 10.2	3600, 141.7
ULTA3200	3.0, 3.3	2	10x28, 0.39x1.1	235, 518.1	4.8, 15.7	4.8, 15.7	3.0, 9.8	4.0, 141.3	2.6, 91.8	NPT1	25, 0.98	83	265, 10.4	3600, 141.7
ULTA4200	4.0, 4.4	2	10x28, 0.39x1.1	235, 518.1	3.6, 11.8	3.6, 11.8	2.3, 11.8	4.0, 141.3	2.6, 91.8	NPT1	25, 0.98	83	265, 10.4	3600, 141.7
ULTA6200	6.0, 6.6	4	10x28, 0.39x1.1	265, 584.2	2.4, 7.9	2.4, 7.9	1.5, 4.9	4.0, 141.3	2.6, 91.8	NPT1	25, 0.98	83	234, 9.2	4200, 165.4

\* Weight includes 3m/10' lift, 2m/6.5' pendant control

\* For longer lifts add 4.4kg/9.7lbs for the ULTA2200, ULTA3200, ULTA4200, and 8.8kg/19.5lbs for the ULTA6200.

## More features of Tiger Air Trolleys

### Load Limiter

Integral differential pressure load limiting valve automatically prevents the operator lifting a load of more than 125% of the working load limit. Load limiter is 100% repeatable at all working pressures and does not wear or generate damaging heat.

### Emergency Stop

All hoists can be supplied with an emergency stop device as an option. This shuts off the main air supply to the hoist when activated. Resetting the device will not automatically restart the hoisting operation.

### Precise Control

Accurate and precise positioning of loads is standard for both toggle and pendant control models.

### Fail Safe Disc Brake

Non-asbestos self-adjusting disc brake is applied automatically when the air supply to the hoist is shut off. The brake is self-adjusting for the life of the brake and can hold more than 125 % of the working load limit.

### Automatic Stopping

Motorized traverse drive stops automatically due to the worm drive when the air supply is shut off. Additional traverse brake is optional.

### Integral Silencer

The exhaust air silencer limits the noise level to 83dB(A).

### Load Chain

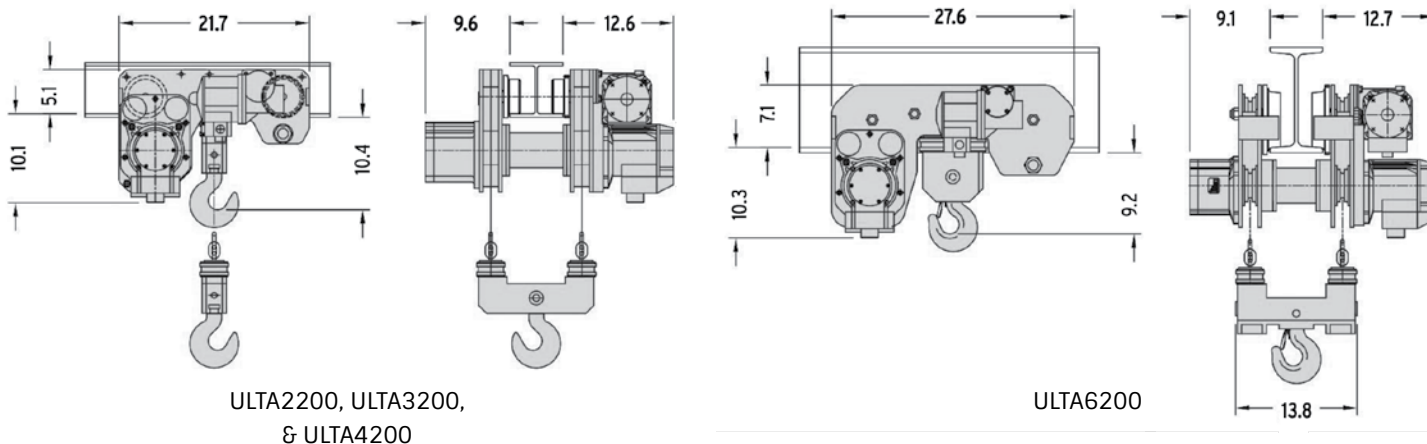
Grade 80 load chain ensures stringent high-speed duty cycles can be met. The load chain is in accordance with the requirements of SANS/ISO 3077 and EN818-7 Appendix B.

### Vane Motor

Assisted vane lifting ensures maximum starting torque when starting under load.

### Sealed Gearbox

The sealed planetary gearbox ensures that the most stringent duty cycles can be met. The gears are heat treated and mounted on high strength, low friction bearings.



**How to Order:** Example: ULTA6200P32 \_\_\_\_\_

Series	Type	Max Load (kg, lb)	Attachment	Control	Pendant Type	Control Length (m, ft)
ULT	A	6, 6.6	200	P	3	2, 6.56
	A=Motorized G=Geared	2, 3, 4, or 6		P=Pendant T=Toggle		

When ordering, specify beam size, flange width and type.



# Industrial Air Winches, WAR-I

Tiger WAR-I series air winches are designed specifically for mining, construction, marine and general engineering applications. The compact design of the winches allows them to be installed quickly where required in any orientation. They comply with the requirements of ASME B30.7. The manufacturing facility producing the winches is 1509001, 15014001 & OHSAS18001 certified.



- Range — 0.5, 1, 2 & 3t
- Reliable, fast, efficient and quiet
- Compact design
- Extended drum versions available for increased rope capacity
- Easy to mount
- Greater than 5:1 factor of safety

Product Code	Half Drum Line Pull (kg/lb)	Rope Speed at Rated Load (m/min, ft/min)	Full Drum No Load Speed (m/min, ft/min)	Air Consumption (m <sup>3</sup> /min, cfm)	Air Connection	Supply Hose (Inside Ø) (mm, in)	Sound Level (dB(A))	Recommended Rope Size (mm)	Rope Storage Length (m/ft) - Standard Drum	Rope Storage Length (m/ft) - Extended Drum	Weight without Wire Rope - (kg, lbs) Standard
WAR500I	500, 1102.3	28.10, 92.2	60.30, 197.8	4.0, 141.3	NPT <sup>3</sup> / <sub>4</sub>	25, 1.0	80	13.0	80, 262.5	165, 541.3	104, 229.3
WAR1000I	1000, 2204.6	13.90, 45.6	29.20, 92.5	4.0, 141.3	NPT <sup>3</sup> / <sub>4</sub>	25, 1.0	80	13.0	80, 262.5	165, 541.3	104, 229.3
WAR2000I	2000, 4409.2	6.70, 22.0	18.50, 60.7	4.0, 141.3	NPT <sup>3</sup> / <sub>4</sub>	25, 1.0	80	15.0	59, 193.6	119, 390.4	104, 229.3
WAR3000I	3000, 6613.9	4.60, 15.1	9.00, 29.5	4.0, 141.3	NPT <sup>3</sup> / <sub>4</sub>	25, 1.0	80	18.0	52, 170.6	106, 347.8	104, 229.3

## More features of Tiger Air Winches

### Load Limiter

Integral load limiter which automatically prevents overloading of the winch. Load limiter is 100 % repeatable at all working pressures and does not wear or generate damaging heat.

### Emergency Stop

Winches can be supplied with an emergency stop device as an option. This shuts off the main air supply to the winch when activated.

### Precise Control

Lever control and pilot pendent control offer variable speed control. Accurate and precise positioning of loads is standard for all models.

### Fail Safe Disc Brake

Non-asbestos self-adjusting disc brake is applied automatically when the air supply to the winch is shut off. The brake is self-adjusting for the life of the brake and is capable of holding in excess of 125% of the working load limit.

### Integral Silencer

The exhaust air silencer is built into the winch frame and limits the noise level to 80dB(A).

### Vane Motor

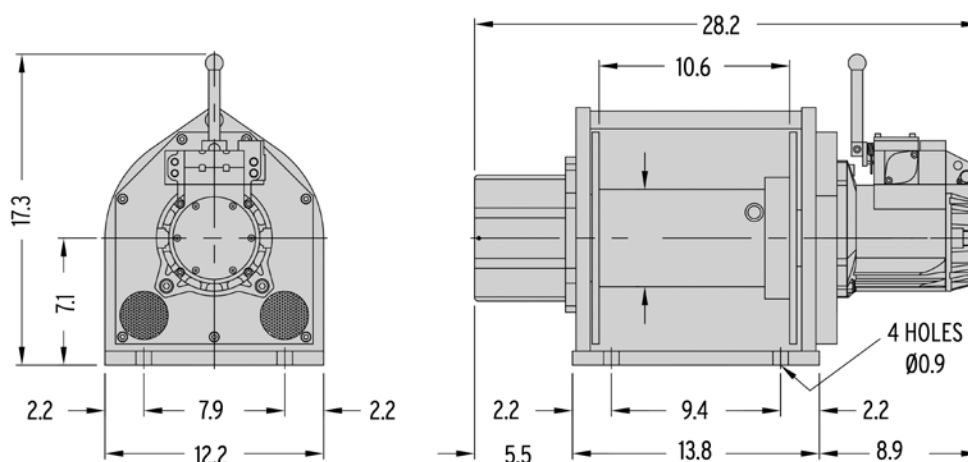
Assisted vane lifting ensures maximum starting torque when starting under load.

### Sealed Gearbox

The sealed planetary gearbox ensures that the most stringent duty cycles can be met. The gears are heat treated and mounted on high strength, low friction bearings.

### Ease of Maintenance

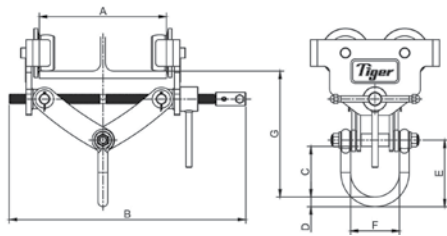
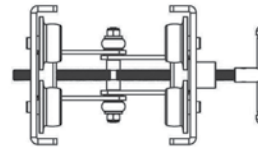
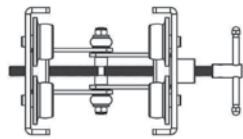
The modular design of the winch allows easy access to internal components such as the motor, gearbox, brake, load limiter and drum assembly. Common parts are used throughout the range.



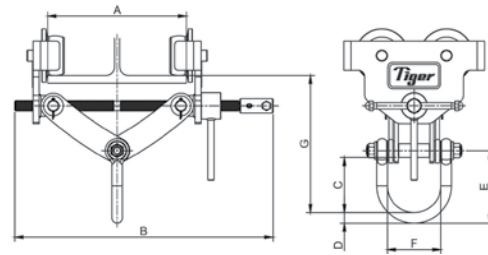
# Adjustable Trolley

## Plain APT

- Fitted with a screw spindle which allows easy adjustment and high clamping force to the various flange sizes within its capacity
- 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
- Plain Trolley Range from 1t to 10t. Geared trolley available as 1t to 10t as well.
- Operating temperature of -30°C to +50°C (-22°F to +122°F) (temperature range of -50°C to +50°C (-58°F to +122°F) available as an option)
- The 5:1 factor of safety allows for use with manual or powered hoists



1t - 6t



10t

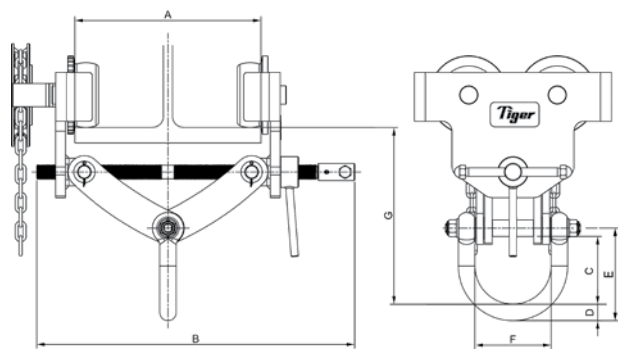
## Plain Adjustable Trolley

Product Code	Type	Capacity (tons, T)	Track width range (mm, in)	Dimensions (mm, in)						Min. curve ratio (m, ft)	Net Weight (lb)
				A	B	C	D	E	F		
APT-0100	Plain	1.0, 1.1	75-210, 2.95-8.27	391, 15.39	83, 3.27	16, .63	110, 4.33	81, 3.19	255-208, 10.04-8.19	1.0, 3.3	20.9
APT-0200	Plain	2.0, 2.2	75-210, 2.95-8.27	391, 15.39	94, 3.70	18, .71	123, 4.84	89, 3.50	276-227, 10.87-8.94	1.3, 4.3	29.8
APT-0300	Plain	3.0, 3.3	75-210, 2.95-8.27	403, 15.87	105, 4.13	22, .86	141, 5.55	112, 4.41	288-241, 11.34-9.49	1.5, 4.9	50.7
APT-0600	Plain	6.0, 6.6	105-305, 4.13-12.01	521, 20.51	111, 4.37	27, 1.06	151, 5.94	125, 4.92	358-290, 14.09-11.42	1.5, 4.9	78.3
APT-1000	Plain	10.0, 11.0	160-305, 6.30-12.01	606, 23.86	119, 4.69	32, 1.26	170, 6.69	83, 3.27	400-340, 15.75-13.39	2.7, 8.9	242.5

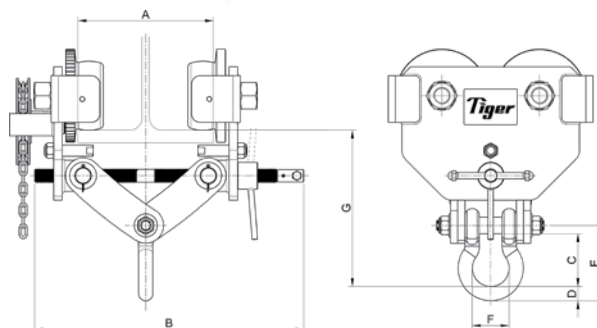


# Adjustable Trolley

## Geared AGT



6t



10t

## Geared Adjustable Trolley

Product Code	Type	Capacity (tons, T)	Track width range (mm, in)	Dimensions (mm, in)						Min. curve ratio (m, ft)	Net Weight (lb)
				A	B	C	D	E	F		
AGT-0100	Geared	1.0, 1.1	75-210, 2.95-8.27	391, 15.39	83, 3.27	16, .63	110, 4.33	81, 3.19	255-208, 10.03-8.19	1.0, 3.3	28.7
AGT-0200	Geared	2.0, 2.2	75-210, 2.95-8.27	391, 15.39	94, 3.70	18, .71	123, 4.84	89, 3.50	276-227, 10.87-8.94	1.3, 4.3	37.5
AGT-0300	Geared	3.0, 3.3	75-210, 2.95-8.27	403, 15.87	105, 4.13	22, .87	141, 5.55	112, 4.41	288-241, 11.34-9.49	1.5, 4.9	62.8
AGT-0600	Geared	6.0, 6.6	105-305, 4.13-12.01	521, 20.51	111, 4.37	27, 1.06	151, 5.94	125, 4.92	358-290, 14.09-11.42	1.5, 4.9	88.2
AGT-1000	Geared	10.0, 11.0	160-305, 6.30-12.01	606, 23.86	119, 4.69	32, 1.26	170, 6.69	83, 3.27	400-340, 15.75-13.39	2.7, 8.9	298.7

Standard geared trolley hand chain length - 2.5m (8.2 ft). We can change the length to suit your requirements.

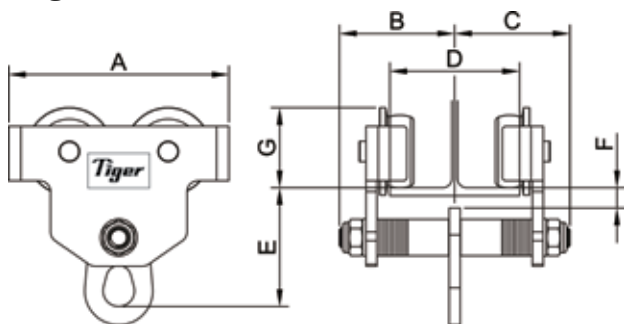
# Trolley TP/TG

- Plain trolleys range from 0.5t to 15t Geared trolley range from 0.5t to 35t
- The anti-drop plates design ensures extra safety, and also prevents damage to the wheels when contacting end rail stoppers
- Extended beam width available
- Corrosion or spark resistant versions available
- Tiger trolley wheels are specially designed with a convex profile eliminating potential point loading
- The wheels run on sealed ball bearings for smoother rolling with less effort and maintenance
- Operating temperature of -30°C to +50°C (-22°F to +122°F) (temperature range of -58°F to +122°F available as an option)
- Optional beam locking device
- The 5:1 factor of safety allows for use with manual or powered hoists.

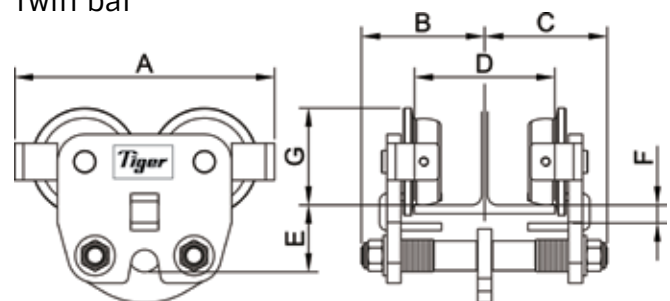


## Plain trolley

### Single bar



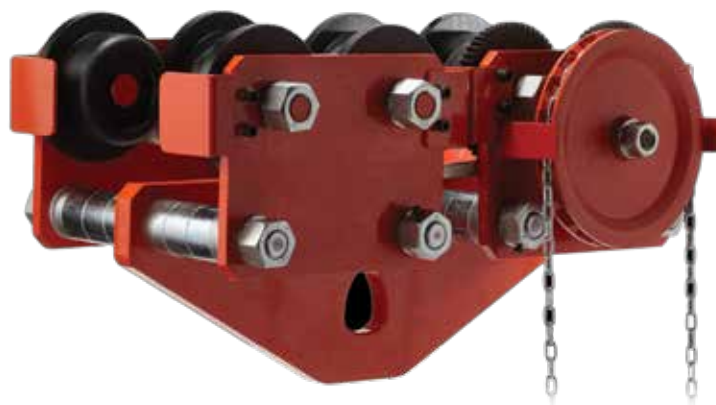
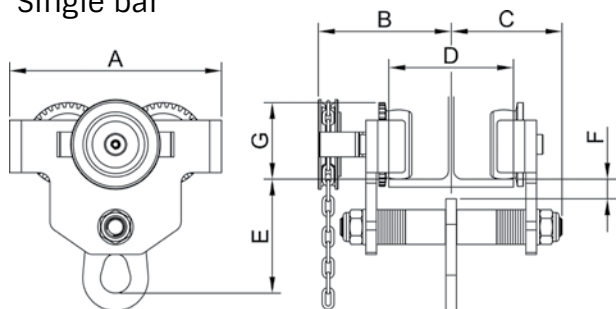
### Twin bar



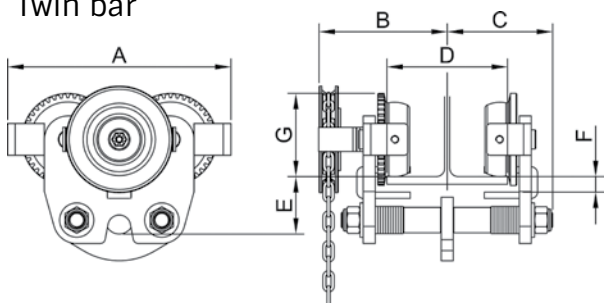
	Product Code	Type	Capacity (tons, T)	D - Track width			Dimensions (mm, in)						Min. curve ratio (m, ft)	Net Weight (lb)
				Range 1 (mm, in)	Range 2 (mm, in)	Range 3 (mm, in)	A	B	C	E	F	G		
Single Bar Trolleys	TPS-0050	Plain	0.5, 0.55	62-128, 2.44-5.03	62-203, 2.44-7.99	N/A	195, 7.67	106, 4.17	106, 4.17	98, 3.85	20, .78	64, 2.51	0.8, 2.63	11
	TPS-0100	Plain	1.0, 1.1	62-128, 2.44-5.03	62-203, 2.44-7.99	104-304, 4.09-11.96	213, 8.38	113, 4.44	113, 4.44	106, 4.17	20, .78	71, 2.79	1.0, 3.28	17
	TPS-0200	Plain	2.0, 2.2	88-154, 3.46-6.06	88-230, 3.46-9.05	104-304, 4.09-11.96	236, 9.29	136, 5.35	136, 5.35	132, 5.19	25, .98	80, 3.14	1.3, 4.27	27
	TPS-0300	Plain	3.0, 3.3	87-153, 3.42-6.02	88-230, 3.46-9.05	N/A	275, 10.83	146, 5.74	146, 5.74	150, 5.90	25, .98	97, 3.81	1.5, 4.92	43
	TPS-0500	Plain	5.0, 5.5	106-194, 4.17-7.63	106-305, 4.17-12.00	N/A	323, 12.71	169, 6.65	169, 6.65	174, 6.85	30, 1.18	117, 4.60	1.5, 4.92	68
Twin Bar Trolleys	TPT-0300	Plain	3.0, 3.3	87-153, 3.42-6.02	88-230, 3.46-9.05	N/A	320, 12.59	142, 5.59	142, 5.59	82, 3.22	16, .62	110, 4.33	1.5, 4.92	49
	TPT-0500	Plain	5.0, 5.5	106-194, 4.17-7.63	106-305, 4.17-12.00	N/A	352, 13.85	167, 6.58	166, 6.53	91, 3.58	24, .94	131, 5.15	1.5, 4.92	79
	TPT-0600	Plain	6.0, 6.6	106-205, 4.2-8.0	N/A	N/A	353, 13.89	175, 6.88	175, 6.88	91, 3.58	32, 1.26	131, 5.15	1.5, 4.92	78
	TPT-1000	Plain	10.0, 11.0	125-320, 4.92-12.59	N/A	N/A	346, 13.62	237, 9.33	236, 9.30	210, 8.27	40, 1.6	117, 4.60	1.5, 4.92	150
	TPT-1500	Plain	15.0, 15.5	150-320, 5.90-12.59	N/A	N/A	461, 18.15	271, 10.67	271, 10.67	248, 9.76	42, 1.65	182, 7.16	2.7, 8.86	318

Geared trolley

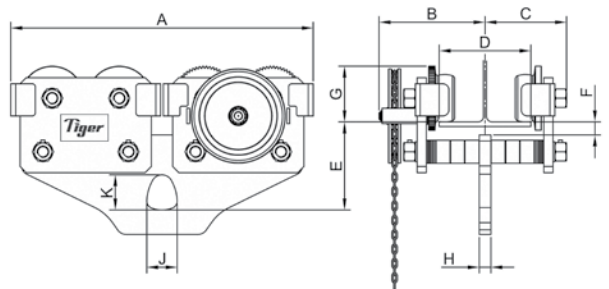
Single bar



Twin bar



3t - 15t



20t - 35t

Optional beam locking device

	Product Code	Type	Capacity (tons, T)	D - Track width		Dimensions (mm, in)									Min. curve ratio (m, ft)	Net Weight (lb)			
				Range 1 (mm, in)	Range 2 (mm, in)	A	B	C	E	F	G	H	J	K					
Single Bar Trolleys	TGS-0050	Geared	0.5, 0.55	62-128, 2.44-5.03	62-203, 2.44-7.99	195, 7.7	180, 7.1	106, 4.2	98, 3.9	20, 0.8	64, 2.5	10, 0.4	24, 0.9	30, 1.2	0.8, 2.6	20			
	TGS-0100	Geared	1.0, 1.1	62-128, 2.44-5.03	62-203, 2.44-7.99	213, 8.4	180, 7.1	113, 4.4	106, 4.2	20, 0.8	71, 2.8	10, 0.4	28, 1.1	34, 1.3	1.0, 3.3	25			
	TGS-0200	Geared	2.0, 2.2	88-154, 3.46-6.06	88-230, 3.46-9.05	236, 9.3	193, 7.6	136, 5.4	132, 5.2	25, 1.0	80, 3.1	12, 0.5	38, 1.5	45, 1.8	1.3, 4.3	37			
	TGS-0300	Geared	3.0, 3.3	87-153, 3.42-6.02	88-230, 3.46-9.05	275, 10.3	198, 7.8	146, 5.7	150, 5.9	25, 1.0	97, 3.8	13, 0.5	42, 1.7	52, 2.0	1.5, 4.9	54			
	TGS-0500	Geared	5.0, 5.5	106-194, 4.17-7.63	106-305, 4.17-12.00	323, 12.7	216, 8.5	169, 6.7	174, 6.9	30, 1.2	117, 4.6	16, 0.6	46, 1.8	60, 2.4	1.5, 4.9	79			
Twin Bar Trolleys	TGT-0300	Geared	3.0, 3.3	87-153, 3.42-6.02	88-230, 3.46-9.05	320, 12.6	194, 7.6	142, 5.6	82, 3.2	16, 0.6	110, 4.3	N/A			1.5, 4.9	52			
	TGT-0500	Geared	5.0, 5.5	106-194, 4.17-7.63	106-305, 4.17-12.00	352, 13.9	216, 8.5	166, 6.5	91, 3.6	24, 0.9	131, 5.2				1.5, 4.9	89			
	TGT-0600	Geared	6.0, 6.6	106-205, 4.2-8.0	N/A	353, 13.89	224, 8.81	175, 6.88	91, 3.58	32, 1.26	131, 5.15				1.5, 4.92	88			
	TGT-1000	Geared	10.0, 11.0	125-320, 4.92-12.59	N/A	346, 13.6	282, 11.1	243, 10.0	210, 8.3	40, 1.6	117, 4.6				1.5, 4.9	172			
	TGT-1500	Geared	15.5, 15.5	150-320, 6-13	N/A	461, 18.1	338, 9.4	271, 10.7	248, 9.8	42, 1.7	182, 7.2				2.7, 8.9	355			
	TGT-2000	Geared	20.0, 22.0	125-320, 4.9-12.59	N/A	706, 27.8	282, 11.1	263, 10.4	243, 9.6	40, 1.6	117, 4.6				30, 1.2	85, 3.3	95, 3.7	6.0, 19.7	353
	TGT-2500	Geared	25.0, 27.5	150-320, 6-13	N/A	706, 27.8	282, 11.1	263, 10.4	243, 9.6	40, 1.6	117, 4.6				35, 1.4	100, 3.9	115, 4.54	6.0, 19.7	375
	TGT-3000	Geared	30.0, 33.0	150-320, 6-13	N/A	961, 37.8	335, 13.2	263, 10.4	274, 10.8	42, 1.7	182, 7.2				35, 1.4	100, 3.9	115, 4.5	6.0, 19.7	743
TGT-3500	Geared	35.0, 38.6	150-320, 6-13	N/A	961, 37.8	335, 13.2	280, 11.0	274, 10.8	42±, 1.7	182, 7.2	38, 1.5	100, 3.9	115, 4.5	6.0, 19.7	752				

Standard geared trolley hand chain length - 2.5m (8.2 ft). We can change the length to suit your requirements.

# Spark Resistant Trolley

Ex II 2 GD c IIC T4 IIIC T135°



In many areas of industry, plants are operated with potentially explosive atmospheres. Due to the very high risk to personnel 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.

Plain and geared trolleys available.

- Solid bronze trolley wheels
- Rubber buffers for trolleys
- Copper plated hand wheel and stainless steel hand chain (geared trolley)
- Copper plated hanging plate
- Special corrosion protected body
- Combination block and trolley units available
- Optional Beam locking device

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

**Certification:**

Under the ATEX Directive 94/9/EC, equipment for areas with an explosion hazard is assigned to groups, categories and temperature classes. Our products are assigned as follows:

Ex II 2 GD c IIC T4 IIIC T135°C

Suitable for gas and dust hazardous areas: Zone 1 & 2 (gas) and Zone 21 & 22

Dimension data available on pages 43-44

Ex II 2 GD c IIC T4 IIIC T135°C							
II	2	GD	c	IIC	T4	IIIC	T135°C
							<b>T135°C</b> Dust Temperature Class: Maximum external surface temperature 135°C
							<b>IIIC</b> Groups of Dust: Protected for group IIIC which includes groups IIIA & IIIB
							<b>T4</b> Gas Temperature Class: Maximum external surface temperature 135°C
							<b>IIC</b> Gas Explosion Group: Protected for group IIC which includes groups IIA & IIB
							<b>c</b> Protection type: Design safety
							<b>GD</b> Ex Atmosphere: Gas and Dust
							<b>2</b> Category: High Safety
							<b>II</b> Equipment Group: surface industries

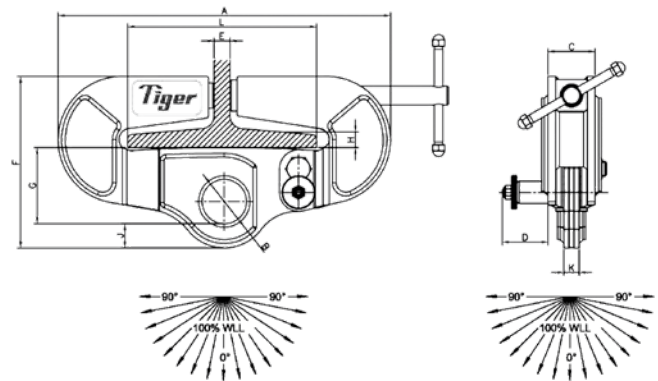
# Universal Beam Clamp BCU



The Tiger Universal Beam Clamp Model BCU has been designed not only for vertical use, but also for side load applications, where conventional clamps are not suitable. This clamp is highly flexible in application and can be used for lifting, pulling or as a semi-permanent anchor point.

It can be loaded at any angle and eliminates the use of spreader beams in various lifting operations.

- Suitable for pulling and lifting at angles across the beam
- Designed for both vertical and side loading applications - can be loaded at any angle
- Full rated capacity at any lifting angle
- Quick and versatile rigging point for hoisting equipment
- Low headroom design
- Highly flexible - for lifting, pulling or as a semi-permanent anchor point
- Designed to accommodate a wide range of beam widths
- Multidirectional adjusting screw spindle ensures a high clamping force to the beam web
- Operating temperature of  $-50^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$  ( $-58^{\circ}\text{F}$  to  $+122^{\circ}\text{F}$ )
- 4:1 factor of safety
- Complies with ASME B30.20 and EN13155:2003+A2 :2009



Product Code	Capacity (tons, T)	Dimensions (mm, in)											Net Weight (lb)
		A	B	C	D	E	F	G	H	J	K	L	
BCU-0200	2.0, 2.2	337, 13.27	58, 2.28	60, 2.36	68, 2.68	32, 1.26	203, 7.99	88.5, 3.48	255, 10.0	22.5, 0.89	20, 0.79	76-190, 2.99-7.48	22.05
BCU-0300	3.0, 3.3	387, 15.2	60, 2.4	70, 2.8	63, 2.5	32, 1.3	235, 9.3	100, 3.9	254, 1.0	28, 1.1	20, 0.8	125-204, 4.9-8.0	34.2
BCU-0500	5.0, 5.5	524, 20.6	70, 2.8	74, 2.9	72, 2.8	32, 1.3	270, 10.6	120, 4.7	254, 1.0	38, 1.5	24, 0.9	125-305, 4.9-12.0	59.5
BCU-1000	10.0, 11.0	524, 20.6	70, 2.8	75, 3.0	82, 3.2	32, 1.3	278, 10.9	120, 4.7	254, 1.0	38, 1.5	25, 0.9	125-305, 4.9-12.0	69.0

Warning: Do not exceed working load limits or use this equipment for lifting flat plate sections



# Fixed Jaw Heavy Duty Beam Clamp with Shackle BCF

- Range from 1.0t to 30t
- 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
- Operating temperature of -50°C to +50°C (-58°F to +122°F)
- 4:1 factor of safety
- These units meet and exceed all the requirements within BS EN 13155:2003+A2:2009 and AS4991



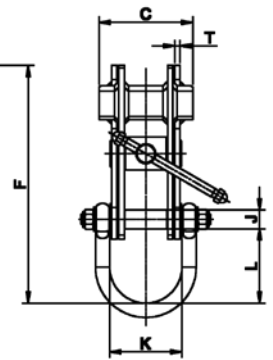
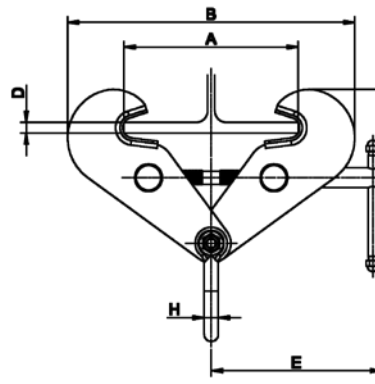
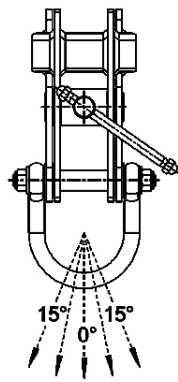
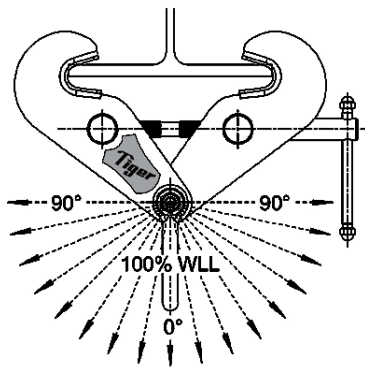
No deration up to 90° has been established for Tiger BCF model clamps and applies only for overhead beam attachments. It DOES NOT apply when used for lifting beams.

We advise that structural calculations are carried out on all beams and supporting steel work by qualified engineering departments to ensure safe operation.

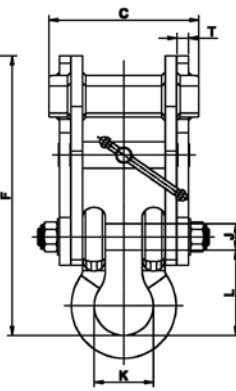
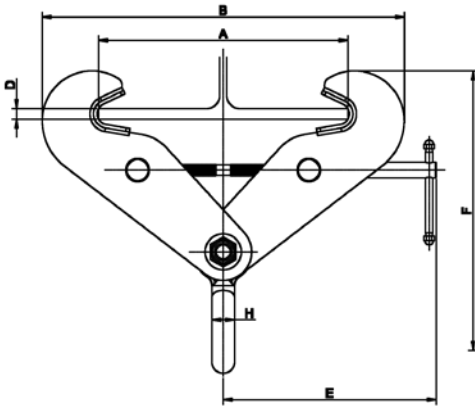
Product Code	Capacity (tons, T)	Dimensions (mm, in)												Net Weight (lb)
		A	B	C	D	E	F	H	J	K	L	M	T	
BCF-0100	1.0, 1.1	75-195, 3.0-7.7	206-321, 8.1-12.6	105, 4.1	20, 0.8	190, 7.5	300-266, 11.8-10.5	16, 0.6	21, 0.8	80, 3.1	84, 3.3	N/A	6, 0.2	12.1
BCF-0200	2.0, 2.2	75-195, 3.0-7.7	206-321, 8-13	105, 4.1	20, 0.8	190, 7.5	311-276, 12.2-10.9	18, 0.7	21, 0.8	88, 3.1	95, 3.7		8, 0.3	14.3
BCF-0300	3.0, 3.3	100-350, 3.9-13.8	223-476, 8.8-18.7	140, 5.5	25, 1.0	270, 10.6	418-344, 16.5-13.5	22, 0.9	27, 1.1	110, 4.3	105, 4.1		10, 0.4	26.4
BCF-030S	3.0, 3.3	75-190, 3.0-7.5	216-325, 8.5-12.8	140, 5.5	20, 0.8	190, 7.5	310-271, 12.2-10.7	22, 0.9	27, 1.1	110, 4.3	105, 4.1		10, 0.4	20.9
BCF-0500	5.0, 5.5	100-310, 3.9-12.2	223-438, 8.8-17.2	140, 5.5	25, 1.0	286, 11.3	424-368, 16.7-14.5	27, 1.1	27, 1.1	124, 4.9	111, 4.4		12, 0.5	32
BCF-050S	5.0, 5.5	75-190, 3.0-7.5	216-325, 8.5-12.8	140, 5.5	20, 0.8	190, 7.5	315-276, 12.4-10.9	27, 1.1	27, 1.1	124, 4.9	111, 4.4		12, 0.5	24.2
BCF-1000	10.0, 11.0	120-350, 4.7-13.8	282-511, 11.1-20.1	210, 8.3	30, 1.2	314, 12.4	460-389, 18.1-15.3	32, 1.3	37, 1.5	83, 3.3	120, 4.7		16, 0.6	58.4
BCF-1500	15.0, 16.5	203-457, 8.0-18.0	463-742, 18.2-29.2	250, 9.8	36, 1.4	416, 16.4	644-558, 25.4-22.0	38, 1.5	44, 1.7	99, 3.9	146, 5.7	400, 15.7	20, 0.8	167.5
BCF-2000	20.0, 22.0	203-457, 8.0-18.0	471-766, 18.5-30.2	300, 11.8	50, 2.0	416, 16.4	697-609, 27.4-24.0	45, 1.8	49, 1.9	126, 5.0	179, 7.0	410, 16.1	25, 1.0	220.5
BCF-3000	30.0, 33.0	203-457, 8.0-18.0	483-800, 19.0-31.5	390, 15.4	63, 2.5	416, 16.4	742-648, 29.2-25.5	50, 2.0	57, 2.2	138, 5.4	197, 7.8	416, 16.4	20, 0.8	335
BCF-30-36	30.0, 33.0	406-914, 16.0-36.0	1294, 50.9	450, 17.7	63, 2.5	601, 23.7	950, 37.4	75, 2.9	83, 3.3	190, 7.5	330, 13.0	646, 25.4	20, 0.8	838

T=beam clamp side plate thickness

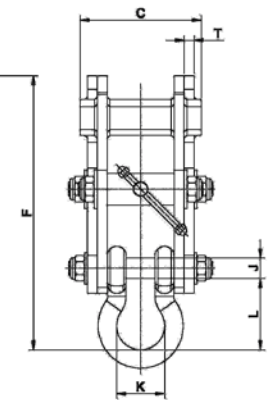
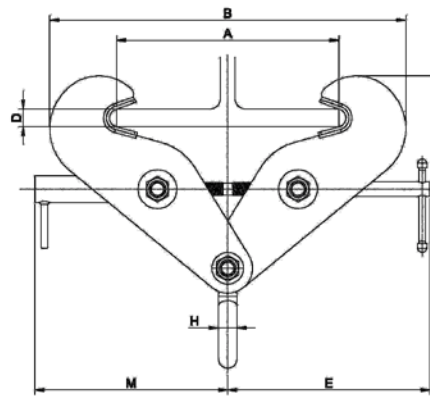
D=maximum beam flange thickness



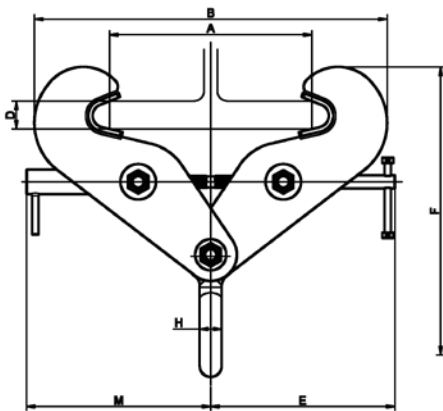
1t - 5t



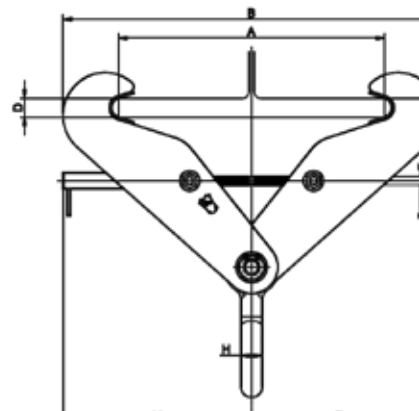
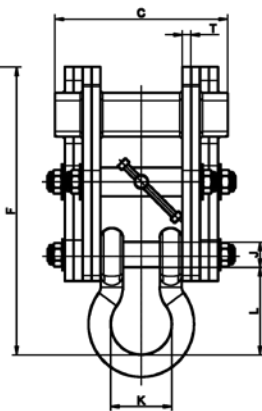
10t



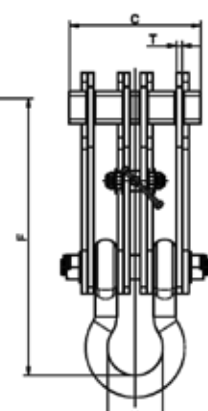
15t & 20t



30t  
(BCF-3000)



30t  
(BCF-30-36)



# Tiger Bulb Flat Bar Anchor/Clamp BCB

- 1.5t and 3t capacities available
- Quick and versatile rigging point for hoisting equipment when attached to bulb flat bars approved for lifting applications
- Shackle suspension point
- No tools required – integrated adjusting screw spindle
- Operating temperature of -50°C to +50°C (-58°F to +122°F)
- Up to 45° side loading with no deration
- 15° cross loading with no deration
- 4:1 factor of safety, even at the above angles

These units meet and exceed all the requirements within BS EN 13155:2003.

**Certification:**

Each unit comes fully certified with a test certificate or an EC Declaration of Conformity stating compliance with the essential health and safety requirements of the Machinery Directive 2006/42/EC.

The Tiger BCB bulb bar anchor is designed for attaching to bulb profiles of bulb flat bars approved for lifting applications. These are often found in ship compartments, engine rooms and overhead bridge deck structures. The bulb bar anchor provides a semi-permanent lifting point. The large integrated shackle gives easy connection for all different types of lifting machines.

\*\* Please note that this model must NOT be used for lifting beams. It is a suspension point.

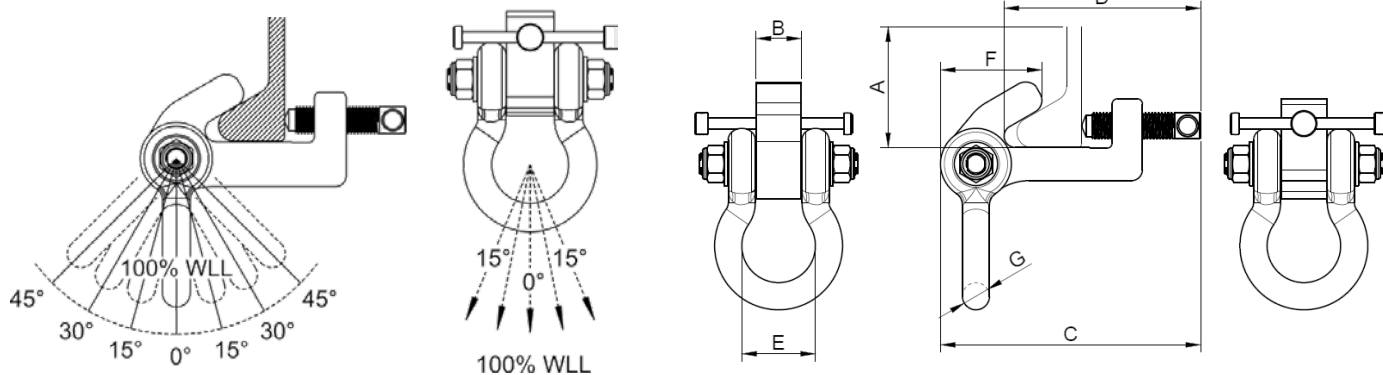


1.5t unit (BCB-0150)

Our BCB bulb flat bar anchor can be side loaded up to 45° and cross loaded up to 15° without derating the unit, while still maintaining a 4:1 factor of safety.

**Warning:**  
Ensure the handle is fully tight before commencing operation.

**Recommendation:**  
We advise that structural calculations are carried out on all beams/bulb flat bars and supporting steel work by qualified engineering departments to ensure safe operation.



Product Code	Capacity (tons, T)	Dimensions (mm, in)							Net Weight (lb)
		A	B	C	D	E	F	G	
BCB-0150	1.5, 1.7	160-240, 6.3-9.4	36, 1.4	173-200, 6.8-7.9	125-151, 4.9-5.9	58, 2.3	71, 2.8	22, 0.9	7.9
BCB-0300	3.0, 3.3	240-320, 9.4-12.6	42, 1.7	214-241, 8.4-9.5	155-182, 6.1-7.2	68, 2.7	94, 3.7	25, 1.0	14.1

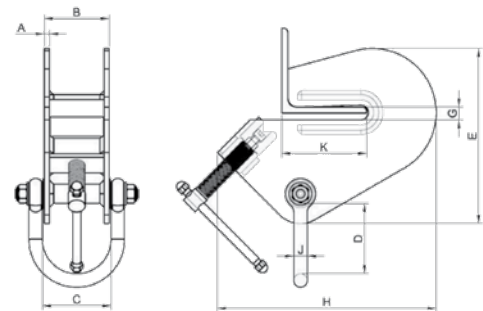
A=bulb flat width

# Adjustable Angle Beam Clamp BCA

This BCA clamp serves as an anchor or lifting point when attached to an overhead steel angle section approved for lifting applications. This clamp can be used up to a maximum of 15° from the vertical.



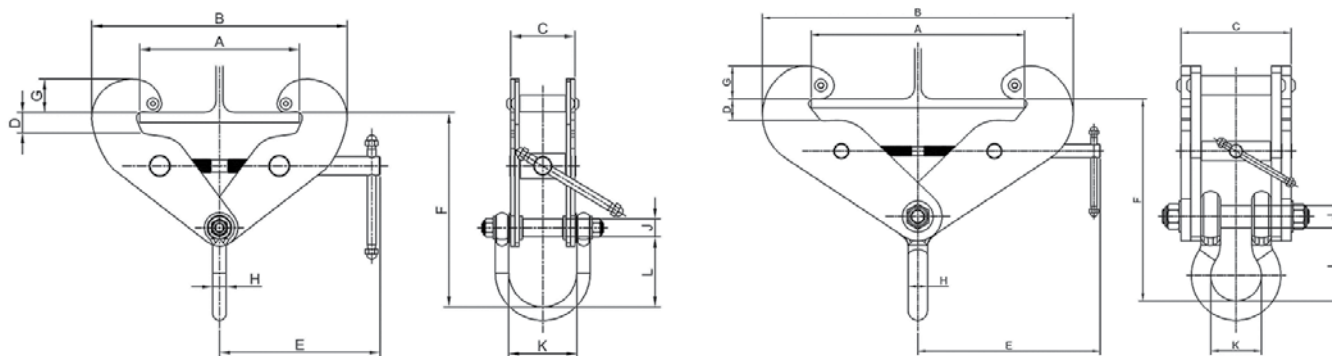
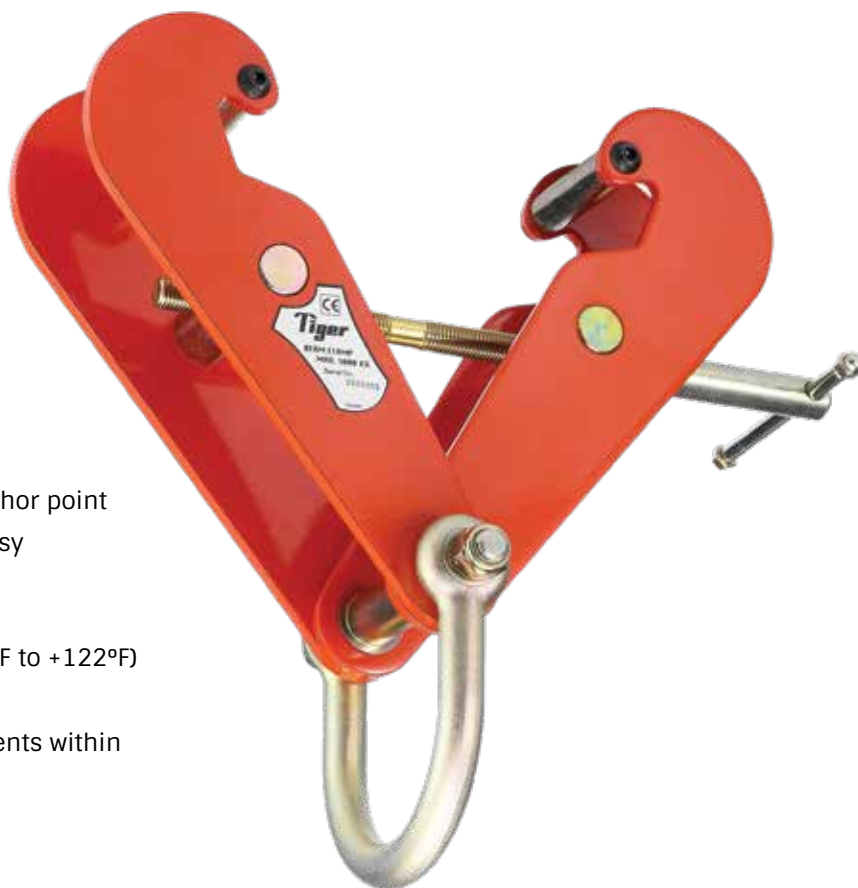
- V shaped clamping jaws ensures safe and secure grip
- Quick and versatile rigging point for hoisting equipment when attached to overhead steel angle section approved for lifting applications.
- Designed to accommodate a wide range of steel angle sections
- No tools required – integrated adjusting screw spindle
- Operating temperature of -50°C to +50°C (-58°F to +122°F)
- 1.0t and 3t capacities available
- Shackle suspension point
- 4:1 Safety factor
- These units meet and exceed all the requirements within BS EN 13155:2003+A2:2009 and AS4991



Product Code	Capacity (tons, T)	Dimensions (mm, in)									Net Weight (lb)
		A	B	C	D	E	G	H	J	K	
BCA-0100	1.0, 1.1	6, 0.2	76, 3.0	81, 3.2	83, 3.3	206, 8.1	15, 0.6	258, 10.2	16, 0.6	38-101, 1.5-4.0	12.1
BCA-0300	3.0, 3.3	10, 0.4	106, 4.2	112, 4.4	104, 4.1	343, 13.5	25, 1.0	490, 19.3	22, 0.9	101-203, 4.0-8.0	51.8

# Adjustable Beam Clamp with Shackle BCS

- Range from 1.0t to 10t
- Quick and versatile rigging point for hoisting equipment
- Shackle suspension point
- Highly flexible – for lifting, pulling or as an anchor point
- Multidirectional adjusting screw spindle for easy attachment and safe and secure grip
- Wide Beam flange adjustment range
- Operating temperature of -50°C to +50°C (-58°F to +122°F)
- 5:1 factor of safety
- These units meet and exceed all the requirements within BS EN 13155:2003+A2:2009 and AS4991



1-5t

10t

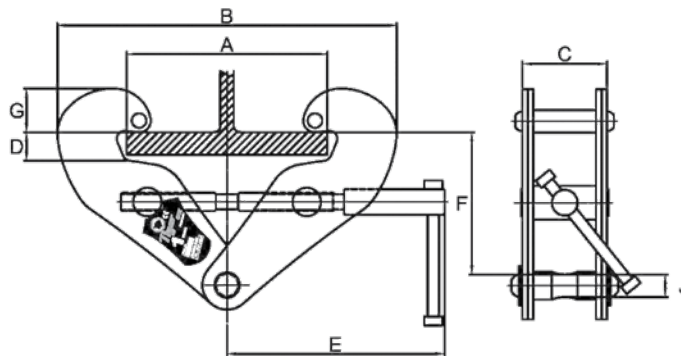
Note: Some stock in the 1t – 5t range may be supplied with a bow shackle rather than a D shackle (as in the drawing of the 10t unit above). If the fitting or dimensions are critical please contact us for information on availability.

Product Code	Capacity (tons, T)	Dimensions (mm, in)										Net Weight (lb)	
		A	B	C	D	E	F	G	H	J	K		L
BCS-0100	1.0, 1.1	75-210, 3.0-8.3	182-328, 7.2-12.9	77, 3.0	26, 1.0	190, 7.5	250-225, 9.8-8.9	52-38, 2.0-1.5	16, 0.6	21, 0.8	81, 3.2	83, 3.3	9.9
BCS-0200	2.0, 2.2	75-210, 3.0-8.3	182-328, 7.2-12.9	85, 3.3	26, 1.0	190, 7.5	260-236, 10.2-9.3	52-38, 2.0-1.5	18, 0.7	21, 0.8	89, 3.5	94, 3.7	12.1
BCS-0300	3.0, 3.3	75-305, 3.0-12.0	214-460, 8.4-18.1	107, 4.2	35, 1.4	240, 9.4	357-311, 14.1-12.2	58-40, 2.3-1.6	22, 0.9	27, 1.1	112, 4.4	105, 4.1	20.9
BCS-0500	5.0, 5.5	75-305, 3.0-12.0	214-460, 8.4-18.1	121, 4.8	35, 1.4	240, 9.4	363-315, 14.3-12.4	58-40, 2.3-1.6	27, 1.1	27, 1.1	125, 4.9	111, 4.4	24.3
BCS-1000	10.0, 11.0	120-350, 4.7-13.8	295-510, 11.6-20.1	180, 7.1	30, 1.2	300, 11.8	381-330, 15.0-13.0	71-54, 2.8-2.1	32, 1.3	37, 1.5	83, 3.3	120, 4.7	58.4



# Adjustable Beam Clamp BC

- Range from 1.0t to 10t
- 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
- Operating temperature of  $-50^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$  ( $-58^{\circ}\text{F}$  to  $+122^{\circ}\text{F}$ )
- 5:1 factor of safety
- These units meet and exceed all the requirements within BS EN 13155:2003+A2:2009 and AS4991



Product Code	Capacity (tons, T)	Dimensions (mm, in)								Net Weight (lb)
		A	B	C	D	E	F	G	J	
BC-0100	1.0, 1.1	72-210, 2.8-8.3	182-328, 7.2-12.9	77, 3.0	26, 1.0	190, 7.5	144-117, 5.7-4.6	52-38, 2.0-1.5	20, 0.8	7.7
BC-0200	2.0, 2.2	72-210, 2.8-8.3	182-328, 7.2-12.9	85, 3.3	26, 1.0	190, 7.5	144-117, 5.7-4.6	52-38, 2.0-1.5	20, 0.8	9.9
BC-0300	3.0, 3.3	73-305, 2.9-12.0	214-460, 8.4-18.1	107, 4.2	35, 1.38	240, 9.4	224-179, 8.8-7.0	58-40, 2.3-1.6	22, 0.9	17.6
BC-0500	5.0, 5.5	73-305, 2.9-12.0	214-460, 8.4-18.1	121, 4.8	35, 1.38	240, 9.4	224-175, 8.8-6.9	58-40, 2.3-1.6	28, 1.1	22.0
BC-1000	10.0, 11.0	120-350, 4.7-13.8	289-496, 11.4-19.5	135, 5.3	36, 1.42	277, 10.9	231-182, 9.1-7.2	75-58, 3.0-2.3	38, 1.5	52.9

# Spark Resistant Beam Clamp

Ex II 2 GD c IIC T4 IIIC T135°

In many areas of industry, plants are operated with potentially explosive atmospheres. Due to the very high risk to personnel 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.

#### Certification:

Under the ATEX Directive 94/9/EC, equipment for areas with an explosion hazard are assigned to groups, categories and temperature classes. Our products are assigned as follows: Ex II 2 GD c IIC T4 IIIC T135°C

Suitable for gas and dust hazardous areas: Zone 1 & 2 (gas) and Zone 21 & 22 (dust).

Dimension data available on pages 47-48

- Copper plated suspension shackle and adjusting bar
- Special corrosion protected coated body
- Optional beam locking device



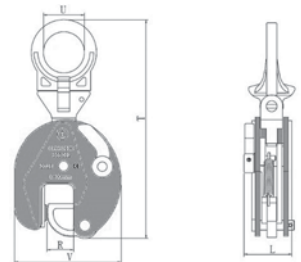
Ex II 2 GD c IIC T4 IIIC T135°C

II	2	GD	c	IIC	T4	IIIC	T135°C	
								<b>T135°C</b> Dust Temperature Class: Maximum external surface temperature 135°C
								<b>IIIC</b> Groups of Dust: Protected for group IIIC which includes groups IIIA & IIIB
								<b>T4</b> Gas Temperature Class: Maximum external surface temperature 135°C
								<b>IIC</b> Gas Explosion Group: Protected for group IIC which includes groups IIA & IIB
								<b>c</b> Protection type: Design safety
								<b>GD</b> Ex Atmosphere: Gas and Dust
								<b>2</b> Category: High Safety
								<b>II</b> Equipment Group: surface industries

# Universal Plate Clamp CPU

The Tiger CPU Clamp can be used for lifting and transporting steel plates and structures from all positions (horizontal, vertical and sidelong). As well as transporting plate, this clamp is well-suited to turning over steel structures and welded constructions. It has an articulated lifting shackle so it can be fitted to a steel plate in any position. It is designed to be used with a two leg chain sling for lifting longer plates without the need for a spreader beam. The CPU is equipped with a pre-tension mechanism ensuring the clamp does not slip when lifting force is applied and when a load is being lowered. For use with plates with surface hardness of up to 300 Brinell (HB) / 32 Rockwell C (HRC).

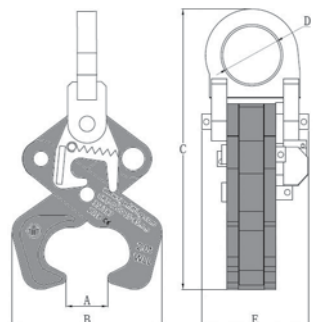
Plate Clamps should not be used if the surface temperature of the material being lifted is above 100°C. (212°F). The ambient temperature of the operating environment should not be lower than -20°C (-4°F) and not be higher than +50°C. (122°F).



Product Code	Capacity (tons, lbs)	Dimensions (mm, in)					Net Weight (kg, lbs)
		Jaw Opening R (mm, in)	T (mm, in)	U (mm, in)	V (mm, in)	L (mm, in)	
CPU-0050	0.5, 1100	0-15, 0-0.6	205, 8.1	30, 1.2	105, 4.1	48, 1.9	2.0, 4.4
CPU-0100	1.0, 2200	0-20, 0-0.8	300, 11.8	50, 2.0	145, 5.7	66, 2.6	5.0, 11.0
CPU-0200	2.0, 4400	0-25, 0-1.0	385, 15.2	68, 2.7	175, 6.9	75, 3.0	8.0, 17.6
CPU-0320	3.2, 7000	0-30, 0-1.2	430, 16.9	75, 3.0	215, 8.5	102, 4.0	15.0, 33.1
CPU-0500	5.0, 11,000	0-50, 0-2.0	500, 19.7	68, 2.7	232, 9.1	112, 4.4	21.0, 46.3

# Rail Clamp CRT

The Tiger CRT rail clamps are designed for lifting and pulling single rails lengthways and crossways. securely and safely. The clamps are designed to fit most types of rail section currently in use. The clamps are locked onto the rail-head via a lever operated spring mechanism. Very solid, practical design with low dead weight. For rail sizes 549, 554, S60s, UIC60.



Product Code	Capacity (tons, lbs)	Dimensions (mm, in)					Net Weight (kg, lbs)
		Jaw Opening A (mm, in)	B Max (mm, in)	C Max (mm, in)	D (mm)	E (mm, in)	
CRT-0200	2.0, 4400	15-85, 0.6-3.3	170, 6.7	302, 11.9	60, 2.4	111, 4.4	6.2, 13.7

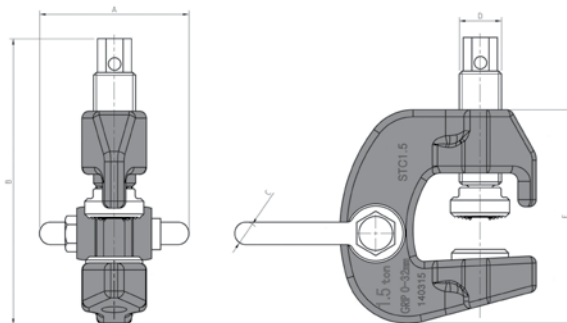


# Screw Cam Clamp CSC

The Tiger CSC ‘swivel hook’ screw cam clamp is suitable for many applications. It is particularly useful for lifting and pulling sheet metal, girders, and steel constructions. It is fitted with a moveable cam on the thread spindle which provides a powerful clamping force on the object being moved.

It can be used for lifting and transporting a large variety of different shaped steel, ranging from steel plates and structured steel to curved and spherical shaped steel. As well as transporting plate, this clamp is well-suited to turning over steel structures and welded constructions. It is also designed to be used in conjunction with a Tiger lever hoist to align steel structures of fabrications. These clamps are ideally suited for the construction industry.

When loaded, the Cam swivels in proportion to the load applied and the teeth edges of the cam bite into the plate to increase the clamping force, even when vibrations occur during operation.

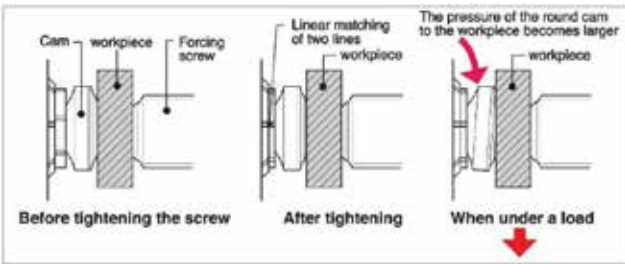


Product Code	Capacity (tons, lbs)	Dimensions (mm, in)						Net Weight (kg, lbs)
		Jaw Opening R (mm, in)	A (mm, in)	B (mm, in)	C (mm, in)	D (mm, in)	E (mm, in)	
CSC-0050	0.5, 1100	0-28, 0-1.1	52, 2.0	158, 6.2	11, 0.4	18, 0.7	105, 4.1	0.7, 1.5
CSC-0150	1.5, 3300	0-32, 0-1.3	77, 3.0	210, 8.3	16, 0.6	30, 1.2	152, 6.0	4.0, 8.8
CSC-0300	3.0, 6600	0-50, 0-2.0	88, 3.5	270, 10.6	19, 0.7	36, 1.4	191, 7.5	6.0, 13.2
CSC-0600	6.0, 13,200	0-75, 0-3.0	153, 6.0	290, 11.4	32, 1.3	45, 1.8	255, 10.0	18.0, 39.7

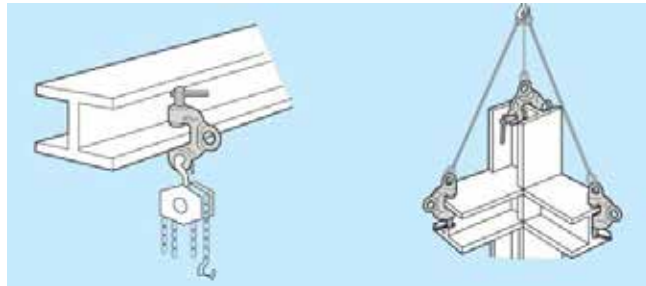


# Safety Screw Cam Clamp CSS

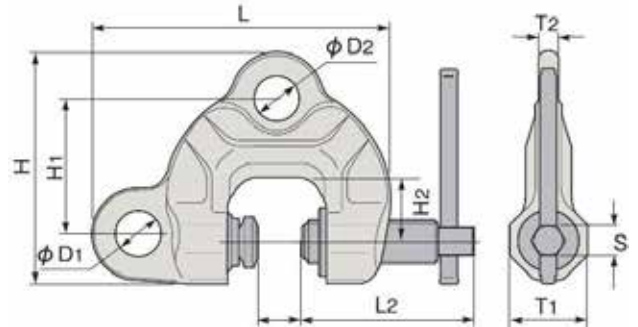
The Tiger CSS safety screw cam clamp with Double Eye Anchor Points & Safety Torque Feature is suitable for many applications. This screw cam clamp is for all-purpose uses, such as lifting, lateral pulling and turning over materials. Adequacy of tightening can be visually confirmed by the visual torque safety feature.



Examples of use:



Always lift work pieces at two or more points for safety



Product Code	Capacity (tons, lbs)	Dimensions (mm, in)											Net Weight (kg, lbs)
		Jaw Opening (mm, in)	L (mm, in)	L2 (mm, in)	H (mm, in)	H1 (mm, in)	H2 (mm, in)	D1 (mm, in)	D2 (mm, in)	T1 (mm, in)	T2 (mm, in)	S (mm, in)	
CSS-0050	0.5	0-25, 0-1.0	158, 6.2	89, 3.5	121, 4.8	72, 2.8	30, 1.2	27, 1.1	27, 1.1	46, 1.8	13, 0.5	17, 0.7	1.9, 4.2
CSS-0100	1	0-40, 0-1.6	208, 8.2	121, 4.8	161, 6.3	94, 3.7	45, 1.8	32, 1.3	32, 1.3	54, 2.1	14, 0.6	21, 0.8	3.6, 7.9
CSS-0200	2	0-40, 0-1.6	227, 8.9	121, 4.8	177, 7.0	105, 4.1	45, 1.8	36, 1.4	32, 1.3	60, 2.4	18, 0.7	21, 0.8	4.8, 10.6
CSS-0320	3.2	0-40, 0-1.6	252, 9.9	136, 5.4	196, 7.7	119, 4.7	50, 2.0	45, 1.8	35, 1.4	64, 2.5	20, 0.8	21, 0.8	7, 15.4
CSS-0630	6.3	0-40, 0-2.0	291, 11.5	151, 5.9	225, 8.9	132, 5.2	55, 2.2	50, 2.0	41, 1.6	90, 3.5	43, 1.7	21, 0.8	17, 37.5





# Wire Rope Puller



- Range from 800kg (1,764lbs) to 5400kg (11,905lbs) (Lifting Capacity)
- Lightweight manual pulling machines - simple and safe to operate
- Compact high-strength
- Corrosion-resistant aluminum housing
- Usable at horizontal, vertical and angled working positions
- 20m (65.6ft) steel wire with eye hook as standard
- Rope clamp system easily disengaged with a lever allowing smooth installation of wire rope
- Equipped with an anchor bolt offering numerous connection possibilities
- Overload protection built in, with a shearing pin in the forward lever
- Shear pins can be replaced without removing the load
- Includes spare shear pins, located within the hoist handle
- Parallel clamping system providing evenly distributed grip at a lower force, resulting in less rope wear
- Individually serial numbered for traceability
- Supplied with relevant certification and user instructions

Product Code	Pulling capacity (lbs/kg)	Lifting capacity (lbs/kg)	Rope diameter (in/mm)	Breaking strain (lbs/kN)	Effort (lbs/kg)	Advance/ Pull (in/mm)	Net Weight (lbs/kg)	Overall length (in/mm)	Overall height (in/mm)	Overall width (in/mm)
TRPA-08	2646/1200	1764/800	0.33/8.3	9667/43	77/35	2.0/52	14.3/6.5	16.8/426	9.3/235	2.5/64
TRPA-16	5291/2400	3527/1600	0.43/11	26977/120	90/41	2.2/55	27.5/12.5	21.5/545	11.0/280	3.8/97
TRPA-32	10582/4800	7055/3200	0.63/16	35969/162	99/45	1.1/28	49.6/22.5	26.0/660	12.8/325	4.6/116
TRPA-54	17637/8000	11905/5400	0.79/20	59350/264	167.5/76	1.2/30	127.9/58	36.6/930	18.9/480	6.0/152

The manual wire rope puller is a hand operated lifting and pulling device. The puller could also be used for lowering, tensioning and guying which makes it a versatile, portable and multipurpose tool.

The principle function of the wire puller is that the rope passes through mechanical jaws rather than being reeled on a drum of a puller or conventional winch. The tension of the rope is applied by means of two pairs of self-energized jaws which apply a grip onto the wire rope in sections. The effort is transferred to the jaws by two parallel levers, one for forward operation and the other for reverse operation. A telescopic bar, fitted to either the forward or reverse lever, transmits the effort to the jaw mechanism. This parallel clamping system provides an evenly distributed grip at a lower force, resulting in less rope wear. The load is held securely at all times.

The wire rope puller comes with a telescopic operating handle\* and 20 meters of wire rope fitted with an eye-type hook as standard. Any length of rope can be supplied to your requirements. Alternatively, the wire rope puller is available as a machine only, without wire rope. (\*the operating handle with the 800kg TRPA/TRPS is not telescopic) These units meet and exceed all the requirements within BS EN 13157:2004+A1:2009.

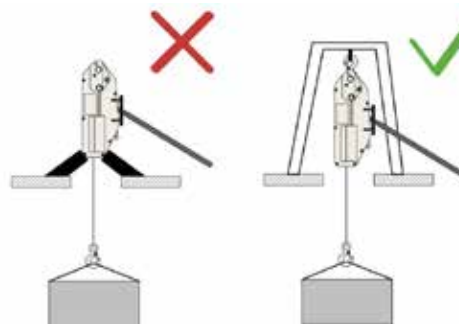


Figure 1

Figure 2

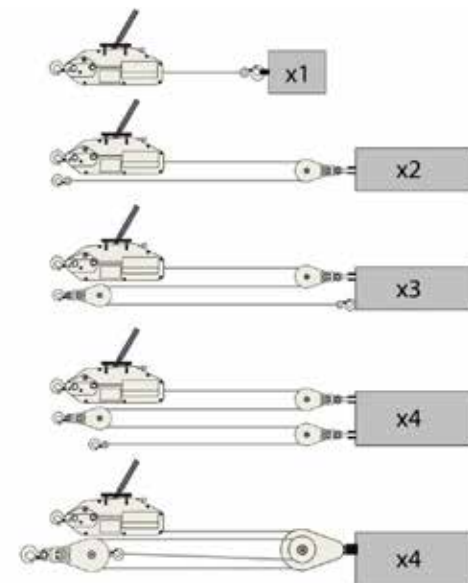


Figure 3

In examples 3 and 4 the maximum working load limit (WLL) of the pulley and anchor point shall be equal to or greater than two times the WLL.

**NOTE:** When the wire rope puller is anchored directly to a fixed point, ensure that there are no obstructions around the machine which could prevent the wire rope, puller and anchor from operating in a straight line.

It is recommended to use a sling of similar capacity between the anchor point and the unit.

**WARNING:** Any rigging configuration which requires the calculation of forces applied should be checked by a competent engineer, with special attention to the strength of the fixed point used.

**Certification:**

Each unit comes fully certified with a test certificate or an EC Declaration of Conformity stating compliance with the essential health and safety requirements of the Machinery Directive 2006/42/EC.

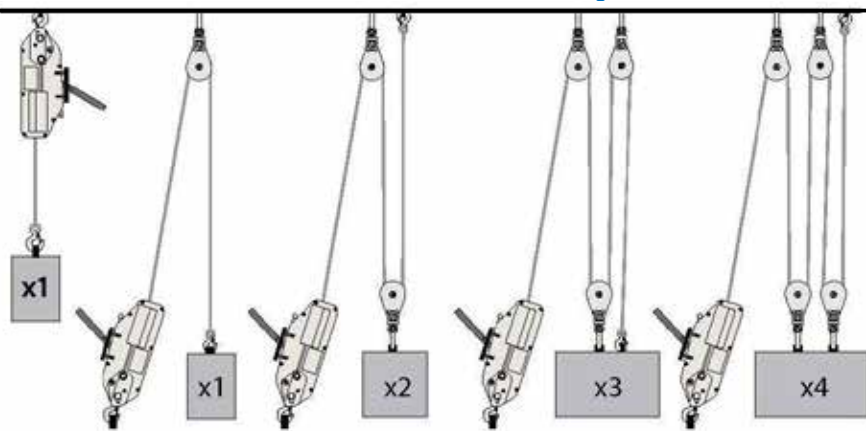


Figure 4



# Beam Anchor

Tiger beam anchors are used as anchorage connectors for personal fall arrest systems. They are designed to be attached to Horizontal I-Beams with an attached personal fall arrest system (full body safety harness, shock absorbing lanyard or fall arrest block). The Tiger single jaw sliding clamp can also be attached to Vertical I-Beams.

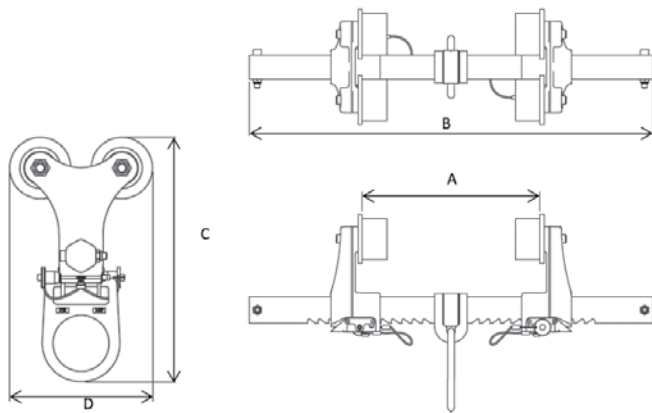
**Beam Flange Sizes:** The Fixed Beam Anchor may only be installed on beams with flanges within the adjustment range of the model.

**Capacity:** This Fixed Beam Anchor is designed for **one person use only**, with a combined weight (clothing, tools, etc.) of no more than 309 lbs (140kgs). No more than one personal protective system may be connected to this equipment at one time.

- CE Certified - CE 1019
- Minimum Breaking Strength 22.3kN (5,000lb/2.27tonne)
- Capacity 140 kg (309 lbs)
- Quick and versatile anchorage point for personal fall protection equipment
- Easy adjustment
- Beam width ranges 2.5" to 24", 6.35cm to 60cm
- Maximum flange thickness 1.5", 3.8cm
- Unit weight from 1.9kg - 3.5kg (4.2 - 7.85 lbs)
- These units meet the requirements of EN 795:2012/B and ANSI/ASSE Z359.1-2007



## Rolling type

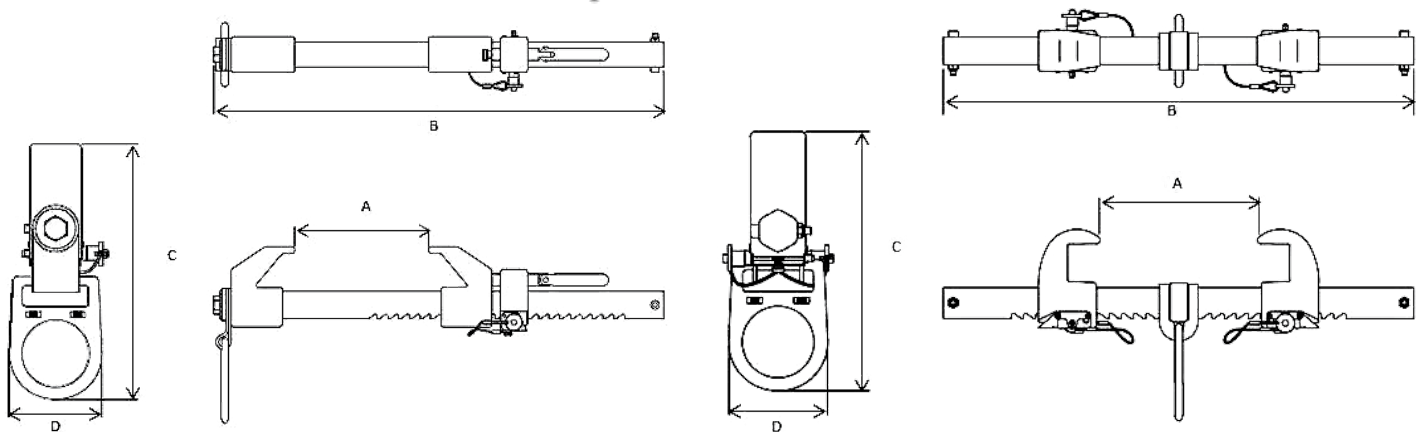


Rolling type two-jaw sliding

Description	Product Code	Beam Flange Size	Net Weight (lb)
Mobile Rolling Type Two-Jaw Sliding Horizontal Beam Use	TYAA231	2.5" to 12", 6.35 cm to 30.0 cm	6.61
	TYAA232	2.5" to 18", 6.35 cm to 45.0 cm	7.23
	TYAA233	2.5" to 24", 6.35 cm to 60.0 cm	7.85

Maximum flange thickness 1.5", 3.8cm

# Fixed type



Fixed type single-jaw sliding

Fixed type two-jaw sliding

Description	Product Code	Beam Flange Size	Net Weight (lb)
Fixed Type Single-Jaw Sliding Horizontal & Vertical Beam Use	TYAA141	2.5" to 12", 6.35 cm to 30.0 cm	5.59
	TYAA142	2.5" to 18", 6.35 cm to 45.0 cm	6.24
	TYAA143	2.5" to 24", 6.35 cm to 60.0 cm	6.87
Fixed Type Two-Jaw Sliding Horizontal Beam Use	TYAA211	2.5" to 12", 6.35 cm to 30.0 cm	4.25
	TYAA212	2.5" to 18", 6.35 cm to 45.0 cm	4.89
	TYAA213	2.5" to 24", 6.35 cm to 60.0 cm	5.53

Maximum flange thickness 1.5", 3.8cm

# Fall Arrest Block

Tiger TIB Fall Arrest Retractable Lifelines / Inertia Reels are designed to reduce vertical impact force on the body caused by falling from height. They are used to provide semi-permanent fall protection. The lifeline tension allows the user to move freely around the work area.

PPE Category III Retractable Type Fall Arrestor - wire and webbing types available.

## Wire type

Available with 6m, 10m, 15m, 20m, 30m (20 ft, 33ft, 49ft, 66ft, 98ft) wire rope lengths.

- Lightweight, compact and durable
- Triple pawl brake system with energy dissipating mechanism
- Side cable exit for smooth operation and reduced cable wear
- 150kg (330lbs) capacity for operator and tools
- Top anchor point with built-in swivel-limits lifeline twisting
- Supplied with screw gate carabiner for fitting to a suitable anchor point
- Top scaffold hook available as an option
- Lower self-locking snap hook and swivel with built-in impact indicator for connecting directly to the safety harness
- All fittings meet EN 362:2002
- Buffer spring at cable exit protects block and allows for smooth operation
- Fully serviceable by an approved Service Agent/Center
- High strength ABS (thermoplastic) casing
- Ergonomic carrying handle makes transport, set-up and storage easy and safe
- Side case with metal bush for shaft housing
- Minimum static strength 15kN
- Easy to inspect
- 4.8mm galvanised wire rope
- Supplied with pull down cord
- Conforms to EN 360:2002 EC Notified Body Apave
- Braking force: less than 6kN
- Operating Temperature: -30°C to +50°C (-22°F to +122°F)



Triple pawl brake system

Product Code	Length of wire (m, ft)	Net Weight (lb)
TIB-06	6, 20	13.0
TIB-10	10, 33	14.3
TIB-15	15, 49	17.6
TIB-20	20, 66	23.8
TIB-30	30, 98	29.3



## Webbing type

Available with 2m, 3.5m and 6m (6.5ft, 11.5ft, and 20ft) webbing lengths

- Lightweight, compact and durable
- Ideal for use in areas where a wire rope could damage fragile items in the work area
- Top anchor point with built-in swivel - limits lifeline twisting (2m and 3.5m models) (6.5ft and 11.5ft)
- Supplied with screw gate carabiner for fitting to a suitable anchor point
- Top scaffold hook available as an option
- 6m (3.2 ft) model complete with lower self-locking snap hook and swivel with built-in impact indicator
- 2m and 3.5m (6.5ft and 11.5ft) models with “rip stitch indicator” and ultra lightweight self-locking hook
- All fittings meet EN 362:2002
- 140kg (309 lbs) capacity
- Lightweight aluminium housing for 2m and 3.5m (6.5 ft and 11.5ft) models
- High Strength ABS (thermoplastic) casing for 6m (19.6ft) model
- Minimum static strength 15kN
- Easy to inspect
- Dyneema webbing
- 3.5m and 6m (11.5ft and 20ft) models supplied with pull down cord
- Conforms to EN 360:2002
- Braking force: less than 6kN
- Operating Temperature: -30°C to +50°C (-22°F to +122°F)



Product Code	Length of webbing (m, ft)	Width of webbing (mm, in)	Net Weight (lb)
TIB-02-W	2, 6.6	25, 0.98	2.53
TIB-035-W	3.5, 11.5	25, 0.98	3.52
TIB-06-W	6, 19.7	20, 0.87	4.41

# Webbing Puller

Tiger webbing pullers are designed for use in hot line applications. They are lightweight and incorporate a webbing strap and lever handle. When clean and dry, the polyester webbing strap provides insulating properties.

The Fibre Reinforced Plastic (FRP) insulated handle increases electrical safety when tensioning conductors and similar tasks. It also has a load holding function in both forward and reverse modes which are selected by a single click of the ratchet tab. The handle can rotate 360° to allow the most efficient use of the ratchet at any angle.

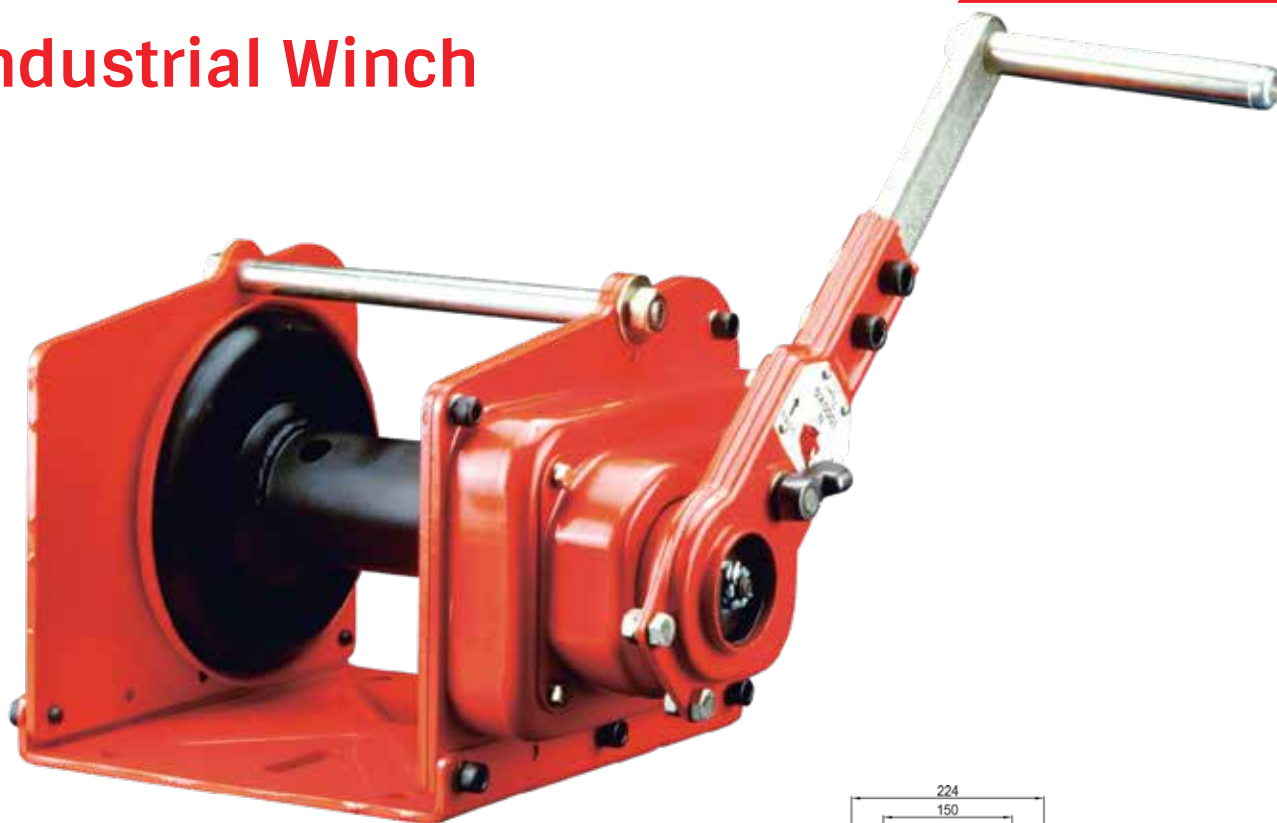
Not to be used for lifting. Not to be used for supporting people.



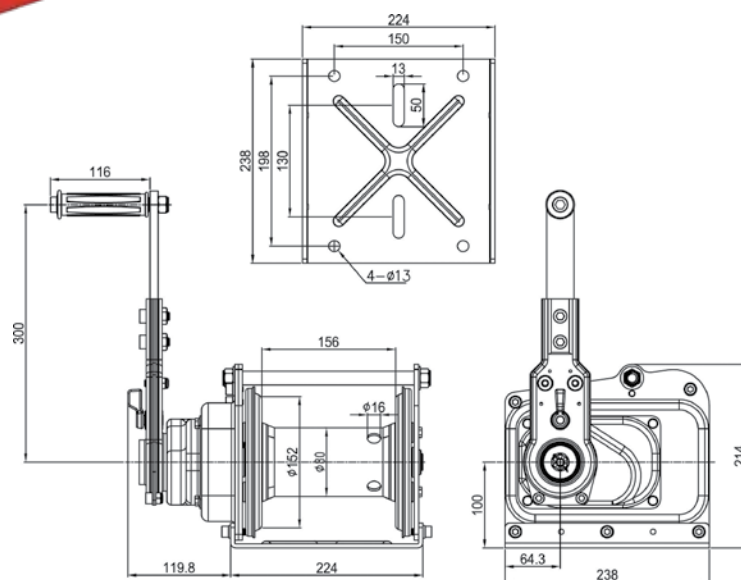
- Capacities 1t and 1.5t
- CE marked
- When clean and dry the web strap is non-conductive
- Insulated handle
- Handle rotates full 360°
- Automatic brake with notch at a time operation
- Up-Neutral-Down
- Free wheeling
- Lightweight and compact
- Voltage Proof Test 15kV
- 4:1 factor of safety

Product Code	Capacity (tons, T)	Strap Size (mm, in)	Lever Length (mm, in)	Max Length (mm, in)	Min Length (mm, in)	Net Weight (lb)
WS-1000	1.0, 1.1	2 x 33, .08 x 1.3	400, 15.7	2000, 78.7	420, 16.5	7.1
WS-1500	1.5, 1.65	2.2 x 40, .09 x 1.6	460, 18.1	2000, 78.7	420, 16.5	9.9

# SF Industrial Winch



- 1t lifting & 2t pulling 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



Product Code	Pulling capacity (lbs/kg)	Lifting capacity (lbs/kg)	Hand force required (kg, lb)	Gear ratio	Hub diameter (mm, in)	Handle length (mm, in)	Unit weight (with handle) (kg, lb)	Cable diameter (mm/inch)	Cable storage cap. (m, ft)
SF-2200	4400/2000	2200/1000	10.0, 22.0	22.2:1	$\phi$ 80, $\phi$ 0.39	300, 11.8	17.5, 38.6	$\phi$ 8.0, $\phi$ 5/16	45, 148

# BHW Automatic Brake Hand Winch

The Tiger Brake Winch is a high quality multi-purpose winch used for a wide variety of lifting and hoisting applications. The automatic brake ensures the load remains suspended when the crank is released and avoids unchecked descent of the load; there is no freewheeling making the hand winch extremely safe to operate. All the mechanical components are enclosed for protection against dust, dirt and rain contamination. This equipment has a lifting capacity ranging from 800lbs to 2600lbs. The BHW is compact and lightweight yet rugged and durable. These units meet and exceed all the requirements within BS EN 13157:2004+A1:2009.

- 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
- Dual handle pinion shaft option available on all models, allows handle to be fitted on both sides.
- Universal mounting plate
- Available as 362kg, 544kg, 816kg, and 1179kg (800lb, 1200lb, 1800lb and 2600lb) models.
- For cable and strap
- Finished in high quality powder coat paint offering excellent corrosion protection
- Available with OCP corrosion protection
- Noiseless 1200lb model available
- 3D Drawings available on full range for project planning
- Operating temperature of -20°C to +80°C (-4°F to +176°F) (temperature range of -40°C to +80°C (-40°F to +176°C available as an option)



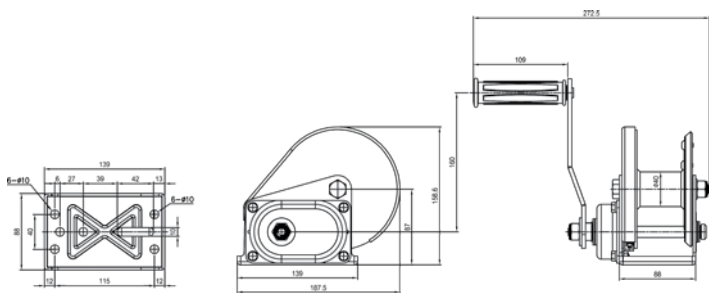
Dual Handle Option

Product Code	Pulling capacity (lbs/kg)	Lifting capacity (lbs/kg)			Gear ratio	Hub dia Ø (mm, in)	Handle length (mm, in)	Unit weight (lb)	Cable diameter (mm, inch)	Cable storage cap. (m, ft)	Strap storage cap. (m, ft)
		1st layer	Mid layer	Last layer							
BHW-0800	800/360	800/360	560/254	400/180	4.1:1	Ø40, Ø1.6	160, 6.3	6.6	Ø4, Ø5/32	36, 118	9.1, 29.9
BHW-1200	1200/550	1200/550	864/392	600/275	4.1:1	Ø50, Ø2.0	210, 8.3	7.7	Ø5, Ø3/16	23, 75	8.5, 27.9
BHW-1800	1800/800	1800/800	1239/562	900/400	5:01	Ø70, Ø2.8	320, 12.6	17.6	Ø6, Ø1/4	24, 79	14.1, 46.3
BHW-2600	2600/1180	2600/1180	1861/844	1300/590	10:01	Ø82, Ø3.2	320, 12.6	23.1	Ø8, Ø5/16	18, 59	10.5, 34

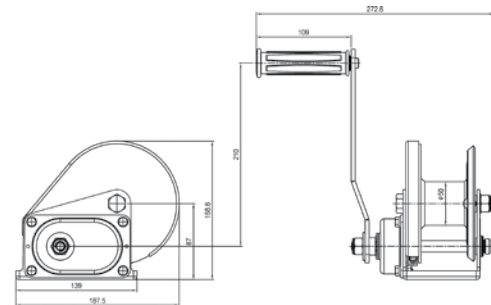
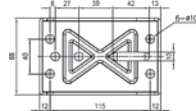
## Corrosion resistant version

This model is protected by our unique coating – OCP (Organic Compound Protection) The uniqueness of this coating gives unprecedented long term reliability and superior corrosion resistance and protection in the most severe conditions. The OCP 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.

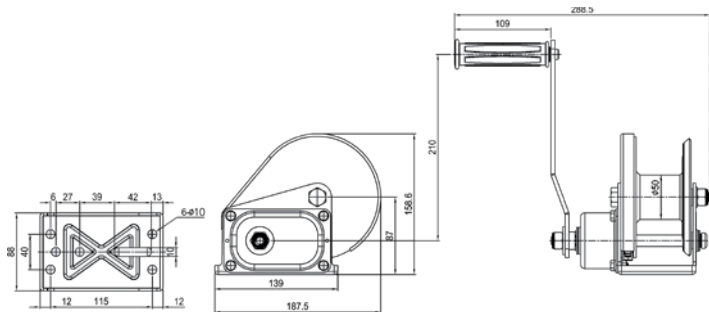




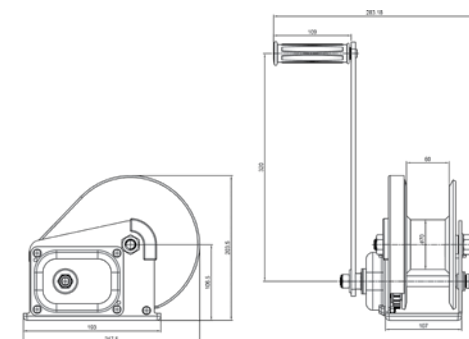
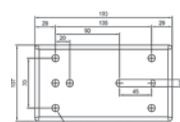
BHW - 0800



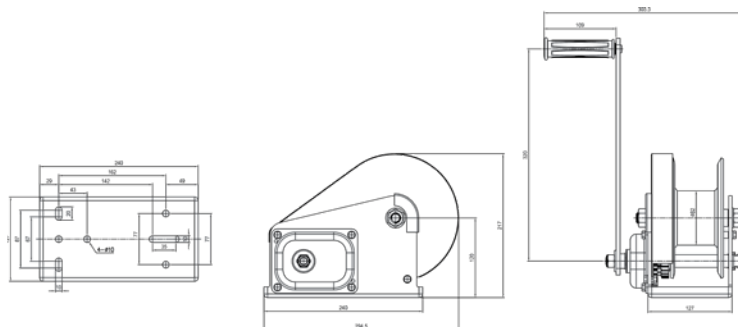
BHW - 1200



BHW - 1200N



BHW - 1800



BHW - 2600

### Winch straps (for pulling only)

Product Code	Description	Width (mm, in)	Thickness (mm, in)	Breaking Load (kg, lb)	Available for
TG-48	6m (20ft) with safety hook	48, 1.9	1.2, 0.047	2068.5, 4560.3	BHW-0800 & BHW-1200
TG-54	9m (30ft) with safety hook	54, 2.1	1.4, 0.055	2864.0, 6314.0	BHW-1800
TG-60	9m (30ft) with safety hook	60, 2.4	1.7, 0.067	4136.0, 9118.3	BHW-2600

### Wire rope

Product Code	Description	Diameter (mm, in)	Breaking Load (kg, lb)	Available for
WWR-04-30	30 m (98 ft) with safety hook	4, 0.157	1270, 2800	BHW-0800
WWR-05-20	20 m (66ft) with safety hook	5, 0.197	2000, 4409	BHW-1200
WWR-06-22	22 m (72ft) with safety hook	6, 0.236	3000, 6614	BHW-1800
WWR-08-16	16 m (52 ft) with safety hook	8, 0.315	4500, 9921	BHW-2600



# HW General Purpose Hand Winch



### General Purpose Hand Winch HW-2000

- 0.9t (2000 lbs) 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
- Can be ceiling mounted with loop drive
- Operating temperature -20°C to +80°C (-4°F to +176°F) (temperature range of -40°C to +80°C (-40°F to +176°F) available as an option)

### General Purpose Hand Winch HW-1200

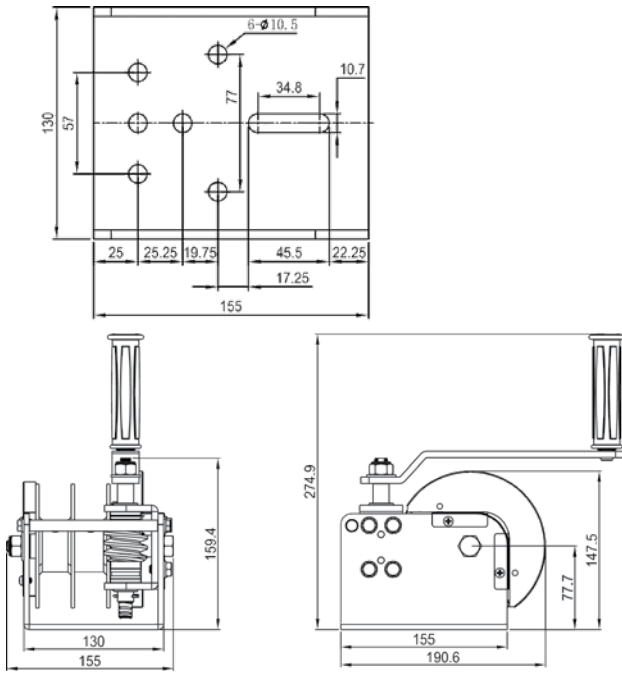
- 0.54t (1200 lbs) capacity
- Ability to disengage the gear to allow fast pay out of the cable

### General Purpose Hand Winch HW-0600

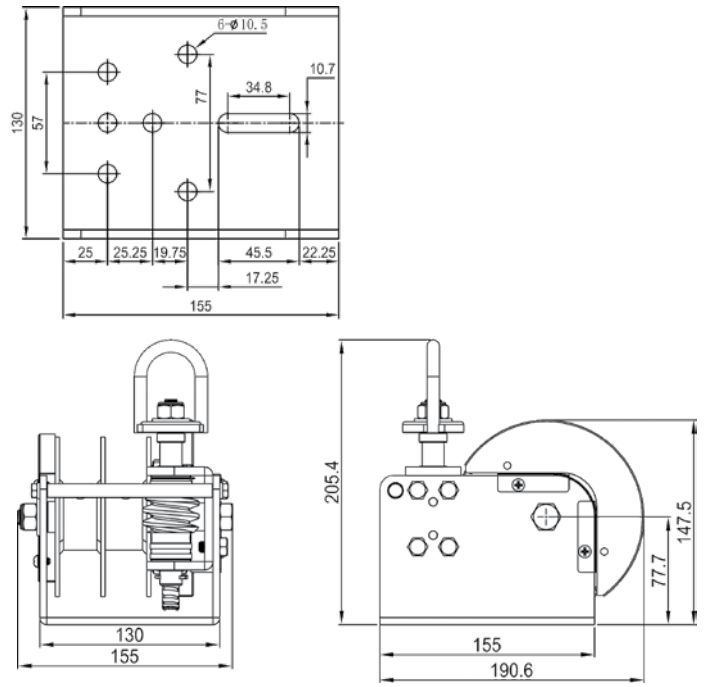
- 0.27t (600 lbs) capacity
- Ability to disengage the gear to allow fast pay out of the cable

Product Code	Pulling capacity (lbs, kg)	Hand force required (kg, lb)	Gear ratio	Hub diameter (mm, in)	Handle length (mm, in)	Unit weight (with handle) (kg, lb)	Unit weight (with loop)	Cable diameter (mm,in)	Cable storage cap.(m, ft)
HW-0600	600, 270	7.0, 15.4	3.1:1	Ø19, Ø0.74	175, 6.9	*2.26, 4.98	N/A	Ø4.0, Ø5/32	28, 92
HW-1200	1200, 545	20.0, 44.1	4.1:1	Ø50, Ø1.97	210, 8.3	*2.84, 6.26		Ø4.8, Ø3/16	29, 95
HW-2000	2000, 900	4.5, 9.9	41:1	Ø48, Ø1.89	190, 7.5	*5.7, 12.57	*5.4, 11.91	Ø4.8, Ø3/16	17.6, 57.7

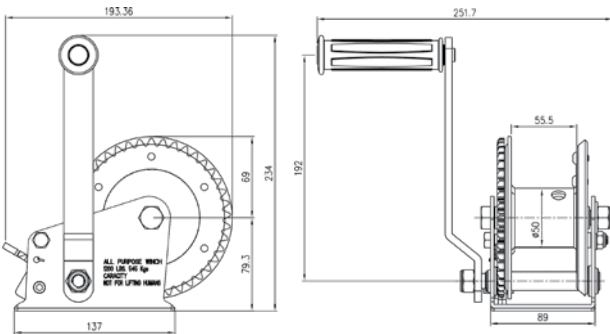
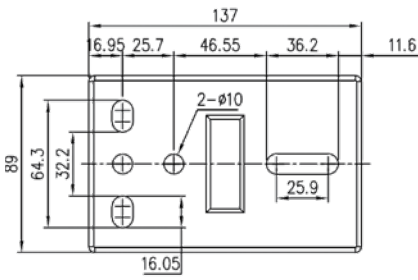
\*Weights for HW range are for single reel model  
For winches with split reels, each side has half the capacity



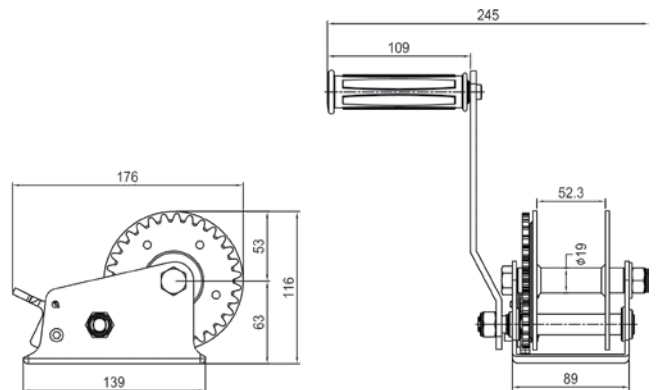
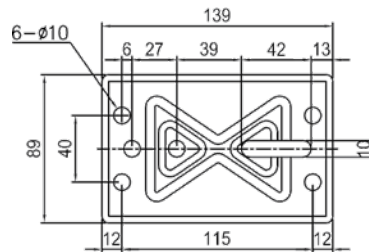
HW-2000  
(with handle)



HW-2000  
(with loop)



HW-1200



HW-600

# Fire Hose Winder



- Two types available – British type (FH-01) and General type (FH-02)
- Single and double side winding methods for Dutch roll
- Movable main axis design for removing the hose easily
- Patent protected design
- Also available with pull handle and castors

Product Code	Dimensions (mm, in)			Hose storage capacity (m, ft)	Hand force required (kg, lb)		Unit Weight (lb)
	Width	Depth	Height		Min	Max	
FH-01 – British Type	560, 22.0	400, 15.7	580, 22.8	25, 82	1, 2.2	6, 13.2	29.8
FH-02 – General Type	560, 22.0	400, 15.7	580, 22.8	25, 82	1, 2.2	6, 13.2	26.0

## Certification and Third Party Verification



A selection of our certification including ISO 9001 and ISO 14001, SGS third party certificate of compliance, full membership of UK's Lifting Equipment Engineers Association (LEEA) and SIRA certification for Atex products.

### Multi-immersion testing

After successfully completing a series of independent third party verification and testing programmes to established international standards, our latest being 3rd party multi-immersion tests at Catapult ORE in the UK, we are very pleased to be able to state that the SS19 and SS20 range of hoists are fit for use in multi-immersion applications.

The above statement is effective providing the timescales, pre-use testing, maintenance and service requirements as detailed in Tiger document Multi-immersion Instruction Document 201603 are strictly adhered to.

### Tiger chain blocks & lever hoists achieve DNV GL third party verification

We're thrilled to announce that Tiger chain blocks and lever hoists (with overload limiters) have been verification tested according to NORSOK R-002. Testing was carried out by DNV GL AS at the company's corrosion and materials technology laboratory in Bergen, Norway. NORSOK R-002 is one of the most prescriptive standards for lifting appliances and lifting accessories, going further than most standards to ensure complete safety in the oil and gas industry. It targets key known failure modes that can be apparent in mass produced branded products.

The scope included:

- Overload protection load tests to maximum permissible load
- Independent testing of the two independent brake mechanisms
- Various load and functional tests
- Tests of chain end connection to minimum chain breaking load

To meet the requirements for extensive corrosion protection (section 5.24) we were able to provide all the necessary manufacturing documentation to achieve verification against this critical part of the standard.

### About DNV GL

Driven by its purpose of safeguarding life, property and the environment, DNV GL enables organisations to advance the safety and sustainability of their business. They provide classification and technical assurance along with software and independent expert advisory services to the maritime, oil and gas, and energy industries. They also provide certification services to customers across a wide range of industries. Operating in more than 100 countries, their 16,000 professionals are dedicated to helping their customers make the world safer, smarter and greener.

## Product Guidance

The guidance that comes with our products is amongst the best in the industry and covers Safety Information, Product Operation, Inspection and Maintenance, Transport, Storage, Decommissioning and Disposal, Manufacturer Testing and Verification, Product Warranty and Warnings, Technical Data, Exploded Diagrams and an Inspection Log. Relevant chain block and lever hoist manuals also include information on using our products for cross hauling, fleeting and drifting applications.

## Quality Statement

Tiger Lifting is committed to providing defect free products to its customers on time and within budget and to a standard of service that fully meets our customers' needs.

We operate a Quality Management System that has gained BS EN ISO 9001:2008 certification, including aspects specific to the design, development, manufacture and distribution of material handling equipment and associated products.

We communicate throughout our organisation the importance of meeting customer needs and all relevant statutory and regulatory requirements. We make the resources available to ensure that these needs are met and that all our staff are trained and aware of our philosophy of constant, logical, and sustainable improvement throughout every single aspect of our organisation.

## Product Support

We hold complete technical files for our products to provide full back-up and reassurance on our products' performance and to ensure that advice for our equipment is readily available. We have a wealth of technical expertise and qualified personnel as well as specialised dealers and distributors to provide competent know-how, service and full product support.

## Product Documentation

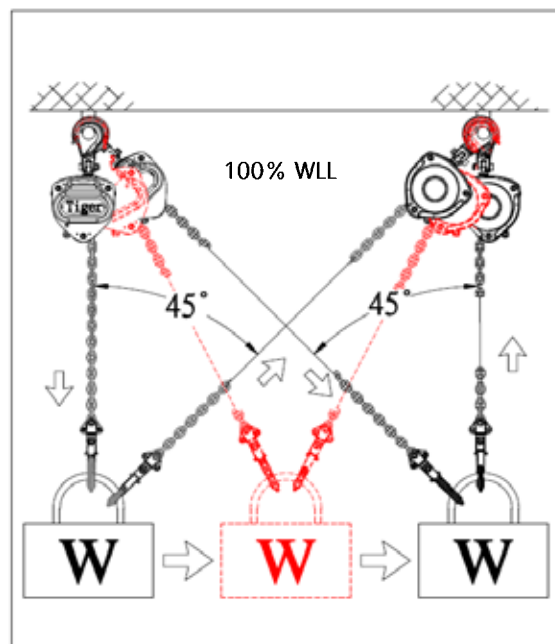
Our products are provided with all relevant documentation, for example an EC Declaration of Conformity confirming the tested status of the product.

We can also supply Type 3.1 Inspection Certificates In Accordance With BS EN 10204:2004 (E) (Material certificates) if required.

Certificates of Origin attested by our Chamber of Commerce can be supplied for export orders, along with other relevant export documentation.

## Lifting at Angles

The TCB range of chain blocks fitted with the patented protected Quad Cam Brake System has undergone a full and comprehensive testing regime that was drawn up by industry specialists and Tiger's mechanical engineers to provide evidence that these units can be safely used for "fleeting", "drifting", and "cross-hauling" applications up to 45° from the vertical without deration. **Note:** All such operations should be carried out in accordance with manufacturer's instructions and fully risk assessed by a competent person.





## Warranty

All hoists sold by Tiger Lifting North America, Inc. are assembled, inspected, and tested prior to shipment from the factory site.

All manual hoist products, manual trolleys, and beam / girder clamps carry a 1 year warranty. All pneumatic hoist products have a 1 year warranty period. Spare parts will also carry a 1 year warranty period. These products are warranted to be free from defects in workmanship and in materials used in the construction of each unit. The warranty date of these products begins from the date of shipment by any authorized Tiger Lifting North America, Inc. distributor.

All of these hoist products must be used within accordance of the manufacturer's recommendations. It is important that these products not be altered, abused, misused, neglected of proper maintenance, or have any unauthorized repairs done to them. If failure occurs, and inspection reveals that the problem is caused by defective materials or workmanship, repairs will be made without charge to the customer. A customer must obtain an RGA number before return. Tiger Lifting North America, Inc. will then instruct which authorized repair center the unit and / or units should be shipped to. All approved warranty claims on products will be shipped back to the customer, freight prepaid. Warranty does not cover products that are abused, overloaded, neglected of maintenance, used improperly, side loaded, shock loaded, or subjected to harmful environmental conditions.

Tiger Lifting North America, Inc. will not be liable for loss, damage, expense, injury to property, injury to people, death, any consequential damages and disclaims any other expressed / implied product warranty, including warranties of merchant ability and fitness for a particular application. A valid proof of purchase must accompany the warranty claim.

**WARNING:** Unless otherwise specified, these machines are not designed for personnel handling or lifting loads above people. It is the user's responsibility to determine what equipment is suitable for the application, and to comply with regulation. Always read and understand the operations manual, review warnings, and take precaution. It is strongly recommended that you understand suggested maintenance of the product, and have a maintenance plan in place.

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**Due to our policy of continual product development, dimensions, weights and specifications may change without prior notice. Please check with your Tiger sales team when ordering.**

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**Tiger**

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