



ELECTRIC WIRE ROPE HOIST



TAIWAN : HOITECH MACHINERY INDUSTRIAL CO., LTD.
VIETNAM : QUANG LIEN CRANE ELEVATOR CO., LTD.



Black Bear



• MCH-500/OM Horizontal Machining Center

• TKS GT 800A-3-D Scanning Probe For Highly Accurate Measurements

• Wire Rope Hoist Load Test Platform
• All Hoist Must Pass 125% Load Test Prior To Shipment

• Welding Robot

• R & D Department



1.INSPECTION and TESTIING EQUIPMENT :

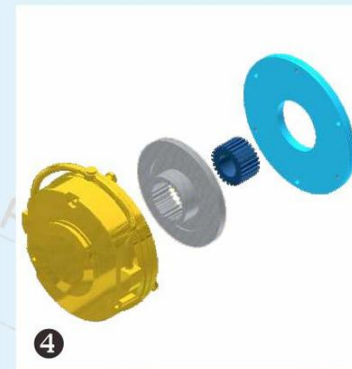
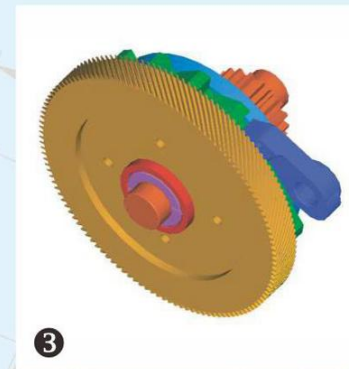
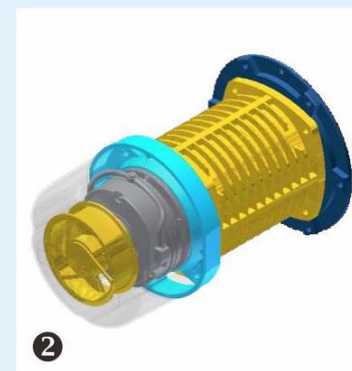
- »Precise scanning measurements GT 800A 3D scanning probe.
- »Universal testing machine.
- »USK6 ultrasonic tester.
- »NV-30 vector scope tip dynamic balancing machine.
- »AVT-LE vibration meter.
- »Hardness tester model No.3R.
- »HT-2000 hardness tester.

2.FABRICATING EQUIPMENT :

- »Feer flow C/V system.
- »MCV-1350 Vertical machiningf center.
- »Gear shaping machine.
- »SK6 welding robot.
- »MCH-500 / OM Horizontal machining center.
- »CNC lathe machine.
- »KH-80 CNC horizontal machining center.
- »CM502 horizontal milling machining.



Black Bear



❶DC BRAKE

- » Wear resistant for long life.
- » Whisper quiet with instant action.
- » Integral design makes replacement a snap.

❷HEAVY DUTY MOTOR

- »Available with fan cooled design for heavy duty applications.

❸MECHANICAL LOAD BRAKE

❹MOTOR BRAKE ASSEMBLY



Black Bear



▲ TRAVERSE WHEEL

- The trolley wheels are made with hardened AISI 1045 carbon steel to BRH 380-420 equipped with life time lubricated bearings.
- All wheels equipped with double sealed, lifetime lubricated ball bearings with an L10 rating of 10,000 hours.

▲ CONTROL BOX

The control box is IP-42. (Stainless Steel material as option) IP-56 available as an optional item.

▲ OPTIONAL

Geared upper / lower (control circuit) limit switch is available in a two contact arrangement, NEMA 1 enclosure.



◀ TROLLEY WHEEL

The trolley wheels are made from AISI 1045 carbon steel, surface hardened to 380-420 brinell. Compound tread design allows usage on both ASI or wide flange beams. Equipped with life time lubricated bearings.



◀ OPTIONAL ENCODER

This double C-face encoder is mounted directly to the totally enclosed motor brake assembly. If desired, the encoder can also be mounted on the gear case cover.

▶ DC BRAKE

The DC brake operates quietly and provides long life under normal operation (in excess of 3 million actuations). If desired, the earlier model AC brake is available for commonality of parts.

▶ DRUM

The drum is made of ASTM A283M carbon steel and machined in accordance with CMAA 70 - 4.6.



Black Bear



PRODUCT CODE

T	UD	H	D	500	DB
Model	Gear box	Reeving		S.W.L.	DC Brake
T : MONORAIL TROLLEY S : TOP RUNNING TROLLEY F : FOOTMOUNT	UA : 3HP X 1800RPM UB : 5HP X 1800RPM UC : 7HP X 1800RPM UD : 9HP X 1800RPM UEA : 11HP X 1800RPM UFA : 15HP X 1800RPM UG : 25-40HP X 1800RPM UI : 17.4HP X 1800RPM	H : 2PD I : 3PD J : 4PD K : 5PD R : 6PD	Blank : Single speed D : Only hoist dual speed D1 : Only trolley dual speed D2 : Both hoist & trolley dual speed	200 : 2ton=4400lbs 300 : 3ton=6600lbs 500 : 5ton=11000lbs 750 : 7.5ton=16500lbs 1000 : 10ton=22000lbs 1500 : 15ton=33000lbs 2000 : 20ton=44000lbs 2500 : 25ton=55000lbs 3000 : 30ton=66000lbs 4000 : 40ton=88000lbs 5000 : 50ton=110000lbs	Blank : AC brake

CLASSIFICATION OF LIFTING DEVICE

The Standard Black Bear hoist meets classification H4 heavy service duty cycle. Black Bear offer hoists and accessories for overhead cranes covering all duty classifications.

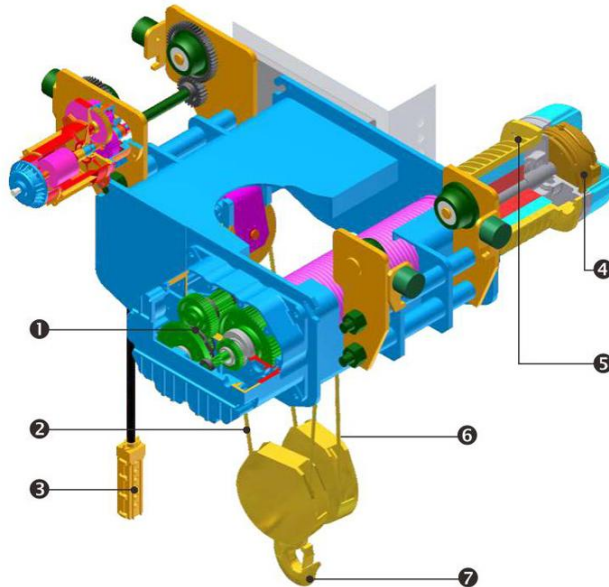
Duty Cycle	Standby or Infrequent Service	Light Service	Moderate Service	Heavy Service	Severe Service	Continuous Severe Service
CMAA Crane Classification	A	B	C	D	E	F
HMI Hoist Classification	H1	H2	H3	H4	H5	-



ELECTRIC WIRE ROPE HOIST

MONORAIL

Black Bear



1 MECHANICAL LOAD BRAKE

The advanced design of the mechanical load brake provides braking without hook drift, independent of the motor brake.

2 WIRE ROPE

High Strength 19x7 IWSC (195kg/mm²)
Wire Rope has swaged fittings on both ends.

3 PUSH BUTTON STATION

(USA) IP-65 Push Button Station is standard and it's light weight and durable.

4 MOTOR BRAKE

Our DC Brake provides instant braking, with smooth, controlled starting and stopping.

5 MOTOR

Hoist duty motors are made of heavy cast iron that provide maximum cooling during even the toughest operating conditions. The class F motor insulation (single speed) are rated for H4 service. Other insulation classes and thermal rating are available upon request.

6 LIFT

True vertical lift standard on low headroom hoists.

7 HOOK

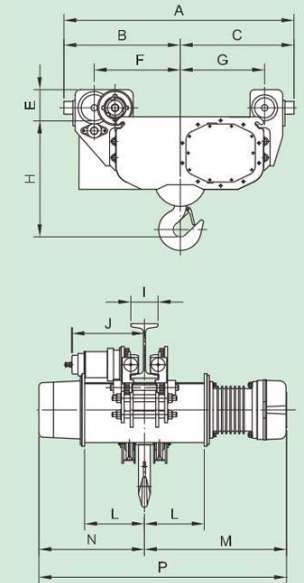
Our high strength forged steel hook comes equipped with a safety latch and a thrust bearing which enables the hook to swivel 360 degrees.



PADDLE TYPE UPPER LIMIT SWITCH

A paddle type upper control circuit limit switch is a standard feature on all monorail hoists.

A counterweight type upper limit switch is used on hoists with 15 ton capacity and greater.



TU SERIES SPECIFICATIONS & DIMENSIONS

Model	Capacity	Lift (ft)	Hoisting		Traversing				Wire Rope ømm	Reeving Type	Approximate Dimension(in)																Trolley Wheels Adjustment (in)	Appro. Weight (lbs)	
			Speed (ft/min) 60HZ	Motor HP	Motor RPM	Speed (ft/min) 60HZ	Motor HP	Motor RPM			A	B	C	E	F	G	H	I	J	L	M		N	P					
																					(S)	(D)		(S)	(D)				
TUAH-100DB	1 ton	20	33.6	3	1800	49.2	0.33	1800	ø6.3	2PD	51.5	27.2	24.3	5.3	19.9	17.9	19.8	4	13.6	10.7	24.7	27.9	17.4	42.1	45.3	4~11 1/4		966	
TUAHD-100DB	2200 lbs	30	33.6/11.2	3/1	1800/600	49.2/16.4	0.33/0.11	1800/600												13.9	27.8	31.0	20.6	48.4	51.6			1098	
	40	17.0																		31.0	34.2	23.7	54.7	57.9	1230				
TUBH-200DB	2 ton	20	28.6	5	1800	49.2	0.54	1800	ø8	2PD	51.5	27.2	24.3	5.3	20.3	17.9	23.1	4	17.4	12.7	28.2	29.8	19.4	47.6	49.2	4~11 1/4		1050	
TUBHD-200DB	4400 lbs	30	28.6/9.5	5/1.7	1800/600	49.2/16.4	0.54/0.17	1800/600												16.8	32.4	34.0	23.5	55.9	57.5			1118	
	40	21.0																		36.5	38.1	27.7	64.2	65.8	1250				
TUCH-300DB	3 ton	20	22.1	7	1800	49.2	0.54	1800	ø10	2PD	55.8	28.0	27.8	7.0	20.5	20.6	27.4	5	21.7	13.0	30.5	33.8	23.6	54.1	57.4	5~13		1480	
TUCHD-300DB	6600 lbs	30	22.1/7.3	7/2.3	1800/600	49.2/16.4	0.54/0.17	1800/600												17.0	34.5	37.8	27.5	62.0	65.3			1523	
	40	19.9																		37.5	40.8	30.5	68.0	71.3	1613				
TUDH-500DB	5 ton	20	19.1	9	1800	49.2	1	1800	ø10	2PD	55.8	28.0	27.8	7.0	20.5	20.6	28.1	5	21.7	13.0	30.3	33.8	23.6	53.9	57.4	5~13		1533	
TUDHD-500DB	11000 lbs	30	19.1/6.3	9/3	1800/600	49.2/16.4	1/0.33	1800/600												17.0	34.2	37.8	27.5	61.7	65.3			1650	
	40	19.9																		37.2	40.8	30.5	67.7	71.3	1713				
TUEAH-750DB	7.5 ton	20	15.9	11	1800	55.8	1.5	1800	ø12	2PD	69.7	35.4	34.3	11	28	26.6	38.6	6	28.3	14.1	35.0	35.1	27.8	62.8	62.9	6~14		3020	3262
TUEAHD-750DB	16500 lbs	30	15.9/5.3	11/3.7	1800/600	55.8/18.7	1.5/0.54	1800/600												18.0	38.9	39.0	31.8	70.7	70.8			3170	3412
	40	21.9																		42.9	43.0	35.7	78.6	78.7	3320			3562	
TUFAH-1000DB	10 ton	20	16.1	15	1800	49.2	2	1800	ø14	2PD	71.9	36.6	35.3	11	28.1	27.0	42.7	6	28.3	14.1	35.0	37.5	27.8	62.8	65.3	6~14		3080	3300
TUFAHD-1000DB	22000 lbs	30	16.1/5.3	15/5	1800/600	49.2/16.4	2/0.67	1800/600												18.0	38.9	41.4	31.8	70.7	73.2			3300	3520
	40	21.9																		42.9	45.4	35.7	78.6	81.1	3570			3790	
TUIH-1500DB	15 ton	20	14	17.4	1800	52.5	2	1800	ø18	2PD	81.9	42.5	39.3	11.3	30.5	31.0	57.2	6	28.3	17.8	39.0	41.3	31.7	70.7	73.0	6~14		4570	4690
TUIHD-1500DB	33000 lbs	30	14/4.6	17.4/5.8	1800/600	52.5/17.4	2/0.67	1800/600												21.8	43.0	45.3	35.6	78.6	80.9			4620	4730
	40	26.1																		47.3	49.6	39.9	87.2	89.5	4790			4910	
TUII-2000DB	20 ton	20	10.4	17.4	1800	59	3	1800	ø18	3PD	90.2	44.0	45.4	13.6	34.4	36.5	69.9	6	30.8	21.0	42.2	44.5	34.9	77.1	79.4	6~14		6020	6140
TUIID-2000DB	44000 lbs	30	10.4/3.46	17.4/5.8	1800/600	59/19.7	3/1	1800/600												26.8	48.0	50.3	40.6	88.6	90.9			6390	6510
	40	32.7																		53.9	56.2	46.5	100.4	102.7	6760			6880	

* Dimensions included control panel

* Trolley bearing with lubrication system is an available optional, please contact with Black Bear Corporation for a price.

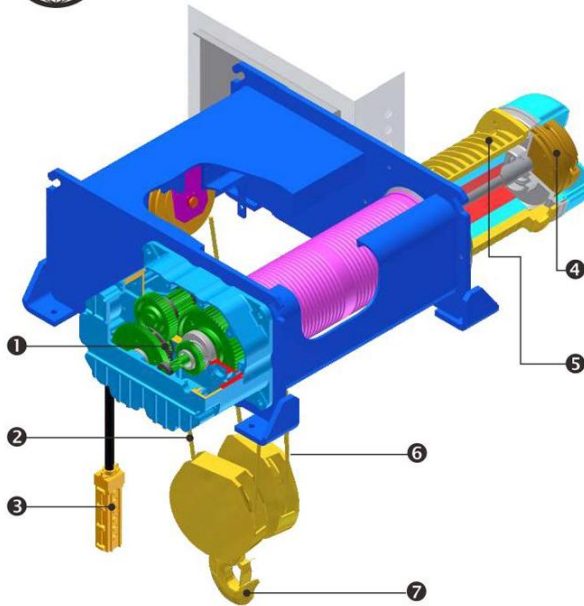
* Radial curved trolley is an available optional, please contact with Black Bear Corporation for a price.



ELECTRIC WIRE ROPE HOIST

FOOTMOUNT

Black Bear



1 MECHANICAL LOAD BRAKE

The advanced design of the mechanical load brake provides braking without hook drift, independent of the motor brake.

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Hoist duty motors are made of heavy cast iron that provide maximum cooling during even the toughest operating conditions. The class F motor insulation (single speed) are rated for H4 service. Other insulation classes and thermal rating are available upon request.

6 LIFT

True vertical lift standard on low headroom hoists.

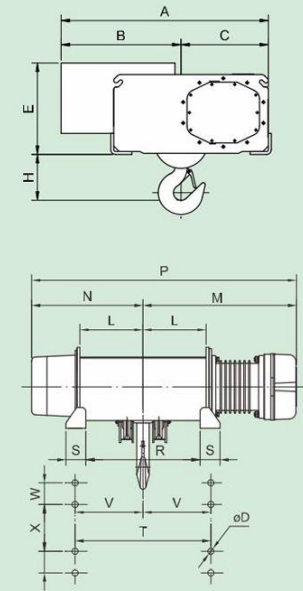
7 HOOK

Our high strength forged steel hook comes equipped with a safety latch and a thrust bearing which enables the hook to swivel 360 degrees.



PADDLE TYPE UPPER LIMIT SWITCH

A paddle type upper control circuit limit switch is a standard feature on all footmount hoists.
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FU SERIES SPECIFICATIONS & DIMENSIONS

Model	Capacity	Lift (ft)	Hoisting			Wire Rope ømm	Reeving Type	Approximate Dimension(in)																Approx. Weight (lbs)			
			Speed (ft/min) 60HZ	Motor HP	Motor RPM			A	B	C	E	H	L	M		N	P		R	S	T	V	W	X	øD	(S)	(D)
														(S)	(D)		(S)	(D)									
FUAH-100DB	1 ton	20	33.6	3	1800	ø6.3	2PD	40.1	23.5	16.6	17.2	6.3	10.7	24.7	27.9	17.4	42.1	45.3	20.3	3.0	24.6	12.30	-	26	0.55	820	
FUAHD-100DB	2200 lbs	30	33.6/11.2	3/1	1800/600								13.9	27.8	31.0	20.6	48.4	51.6	26.6		30.9	15.45				958	
		40											17.0	31.0	34.2	23.7	54.7	57.9	32.9		37.2	18.60				1090	
FUBH-200DB	2 ton	20	28.6	5	1800	ø8	2PD	40.1	23.5	16.6	17.2	9.1	12.7	28.2	29.8	19.4	47.6	49.2	24.2	3.0	28.5	14.25	-	26	0.55	870	
FUBHD-200DB	4400 lbs	30	28.6/9.5	5/1.7	1800/600								16.8	32.4	34.0	23.5	55.9	57.5	32.5		36.8	18.40				1008	
		40											21.0	36.5	38.1	27.7	64.2	65.8	40.8		45.1	22.55				1140	
FUCH-300DB	3 ton	20	22.1	7	1800	ø10	2PD	43.5	23.5	20.0	19.5	11.6	13.0	30.5	33.8	23.6	54.1	57.4	24.1	4.4	30.5	15.25	-	28	0.71	1149	
FUCHD-300DB	6600 lbs	30	22.1/7.3	7/2.3	1800/600								17.0	34.5	37.8	27.5	62.0	65.3	31.9		38.4	19.20				1259	
		40											19.9	37.5	40.8	30.5	68.0	71.3	37.9		44.4	22.20				1369	
FUDH-500DB	5 ton	20	19.1	9	1800	ø10	2PD	46.5	26.5	20.0	19.5	12.4	13.0	30.3	33.8	23.6	53.9	57.4	24.1	4.4	30.5	15.25	-	28	0.71	1193	
FUDHD-500DB	11000 lbs	30	19.1/6.3	9/3	1800/600								17.0	34.2	37.8	27.5	61.7	65.3	31.9		38.4	19.20				1303	
		40											19.9	37.2	40.8	30.5	67.7	71.3	37.9		44.4	22.20				1450	
FUEAH-750DB	7.5 ton	20	15.9	11	1800	ø12	2PD	53.0	28.6	24.4	25.3	12.9	14.1	35.0	35.1	27.8	62.8	62.9	26.1	4.9	33.3	16.65	3.15	33.9	0.71	2227	2405
FUEAHD-750DB	16500 lbs	30	15.9/5.3	11/3.7	1800/600								18.0	38.9	39.0	31.8	70.7	70.8	34.0		41.1	20.55				2502	2680
		40											21.9	42.9	43.0	35.7	78.6	78.7	41.9		49.0	24.50				2780	2960
FUFAH-1000DB	10 ton	20	16.1	15	1800	ø14	2PD	53.0	28.2	24.8	25.3	16.5	14.1	35.0	37.5	27.8	62.8	65.3	26.1	4.9	33.3	16.65	3.15	33.9	0.71	2420	2597
FUFH-1000DB	22000 lbs	30	16.1/5.3	15/5	1800/600								18.0	38.9	41.4	31.8	70.7	73.2	34.0		41.1	20.55				2795	2971
		40											21.9	42.9	45.4	35.7	78.6	81.1	41.9		49.0	24.50				3197	3383
FUIH-1500DB	15 ton	20	14	17.4	1800	ø18	2PD	66.7	37.8	28.8	26.9	31.6	17.8	39.0	41.3	31.7	70.7	73.0	33.9	4.9	41.06	20.53	3.15	40.0	0.71	3520	3630
FUIHD-1500DB	33000 lbs	30	14/4.6	17.4/5.8	1800/600								21.8	43.0	45.3	35.6	78.6	80.9	41.8		48.94	24.47				3560	3680
		40											26.1	47.3	49.6	39.9	87.2	89.5	50.5		57.60	28.80				3735	3850
FUII-2000DB	20 ton	20	10.4	17.4	1800	ø18	3PD	65.0	33.5	31.5	26.9	42.0	21.0	42.2	44.5	34.9	77.1	79.4	40.4	4.9	47.48	23.74	3.15	38.58	0.71	4590	4710
FUIID-2000DB	44000 lbs	30	10.4/3.46	17.4/5.8	1800/600								26.8	48.0	50.3	40.6	88.6	90.9	51.8		58.90	29.45				4890	5010
		40											32.7	53.9	56.2	46.5	100.4	102.7	63.6		70.70	35.35				5200	5320
FUIJ-2500DB	25 ton	20	7	15	1800	ø18	4PD	47.2	14.3	33	26.9	45.3	29.4	53.3	55.7	43.1	96.4	98.8	57.0	4.9	64.20	32.10	3.15	38.58	0.71	5045	5165
FUIJD-2500DB	55000 lbs	30	7/2.3	15/5.8	1800/600								37.9	61.8	64.1	51.6	113.3	115.7	74.0		81.10	40.60				5510	5630
		40											46.4	70.3	72.6	60.1	130.3	132.7	91.0		98.10	49.10				5978	6095
FUIJ-3000DB	30 ton	20	7	17.4	1800	ø18	4PD	60.8	32.2	28.6	27.7	61.3	29.6	50.8	53.1	43.4	94.2	96.5	57.6	4.9	64.80	32.40	3.20	50.60	0.71	5345	5465
FUIJD-3000DB	66000 lbs	30	7/2.3	17.4/5.8	1800/600								38.4	59.6	59.6	52.3	111.9	114.2	75.4		82.50	41.30				5810	5930
		40											47.3	68.5	70.9	61.1	129.6	132.0	93.0		100.2	50.10				6278	6395

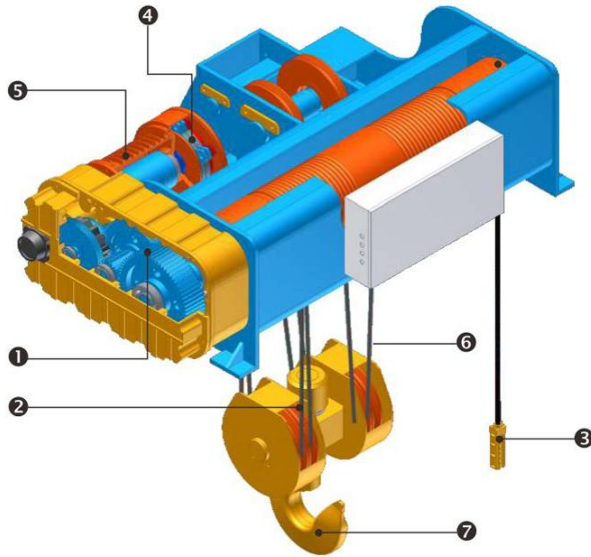
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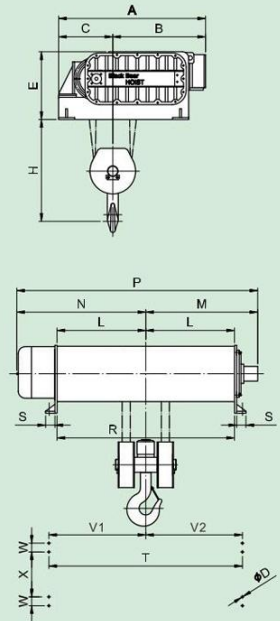
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COUNTERWEIGHT TYPE UPPER LIMIT SWITCH

A counterweight type upper control circuit limit switch is a standard feature on all footmount hoists.



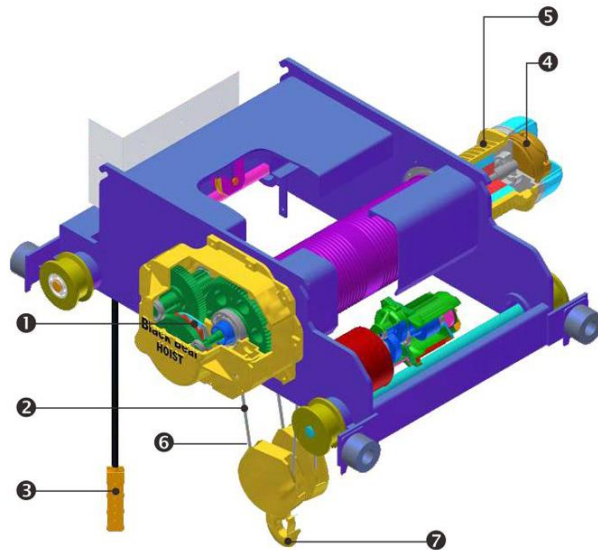
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Model	Capacity	Lift (ft)	Hoisting			Wire Rope ømm	Reeving Type	Approximate Dimension(in)															Appro. Weight (lbs)			
			Speed (ft/min) 60HZ	Motor HP	Motor RPM			A	B	C	E	H	L	M	N	P	R	S	T	V1	V2	W	X	øD	(S)	(D)
FUGI-2500	25 ton	20	13.2	30	1800	ø18	3PD	67.5	38.3	29.2	30.1	47.2	41.0	51.8	59.9	111.7	82.0	4.1	88.9	44.6	44.3	3.9	48.8	0.86	10027	
FUGID-2500	55000 lbs	30	13.2/4.4	30/10	1800/600								41.0	51.8	59.9	111.7	82.0		88.9	44.6	44.3				10027	
		40											46.9	57.7	65.8	123.5	93.8		100.7	50.5	50.2				11417	
FUGI-3000	30 ton	20	13.2	40	1800	ø20	3PD	67.5	33.3	34.2	30.1	50.6	40.4	51.3	59.3	110.6	80.8	4.1	87.8	46.9	40.9	3.9	48.8	0.86	10248	
FUGID-3000	66000 lbs	30	13.2/4.4	40/13.4	1800/600								40.4	51.3	59.3	110.6	80.8		87.8	46.9	40.9				10248	
		40											40.3	55.2	63.3	118.5	80.6		99.6	52.8	46.9				11318	
FUGJ-4000	40 ton	30	9.9	40	1800	ø20	4PD	67.5	38.3	29.2	30.1	59.0	40.4	51.3	59.3	110.6	80.8	4.1	87.8	46.9	40.9	3.9	48.8	0.86	10698	
FUGJD-4000	88000 lbs	40	9.9/3.3	40/13.4	1800/600								50.2	61.1	69.2	130.3	100.4		107.5	56.7	50.8				11763	
		50											58.1	69.0	77.1	146.6	116.2		123.3	64.6	58.7				12633	

*Dimensions included control panel



ELECTRIC WIRE ROPE HOIST



1 MECHANICAL LOAD BRAKE

The advanced design of the mechanical load brake provides braking without hook drift, independent of the motor brake.

2 WIRE ROPE

High Strength 19x7 IWSC (195kg/mm²)
Wire Rope has swaged fittings on both ends.

3 PUSH BUTTON STATION

(USA) IP-65 Push Button Station is standard and it's light weight and durable.

4 MOTOR BRAKE

Our DC Brake provides instant braking, with smooth, controlled starting and stopping.

5 MOTOR

Hoist duty motors are made of heavy cast iron that provide maximum cooling during even the toughest operating conditions. The class F motor insulation (single speed) are rated for H4 service. Other insulation classes and thermal rating are available upon request.

6 LIFT

True vertical lift standard on low headroom hoists.

7 HOOK

Our high strength forged steel hook comes equipped with a safety latch and a thrust bearing which enables the hook to swivel 360 degrees.

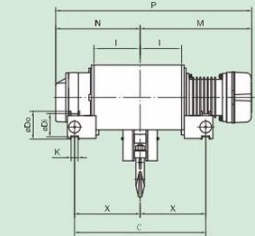
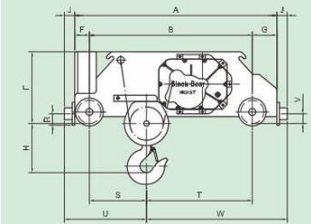
TOP RUNNING TROLLEY HOIST

Black Bear



PADDLE TYPE UPPER LIMIT SWITCH

A paddle type upper control circuit limit switch is a standard feature on all top running trolley hoists.
A counterweight type upper limit switch is used on hoists with 15 ton capacity and greater.



SU SERIES SPECIFICATIONS & DIMENSIONS

Model	Capacity	Lift (ft)	Hoisting			Traversing			Wire Rope ømm	Reeving Type	Approximate Dimension(in)																				Appro. Weight (lbs)																						
			Speed (ft/min) 60HZ	Motor HP	Motor RPM	Speed (ft/min) 60HZ	Motor HP	Motor RPM			A	B	C	øDi	øDo	E	F	G	H	J	K	L	M		N	P		R	S	T	U	V	W	X	(S)	(D)																	
																							(S)	(D)		(S)	(D)																										
SUBH-200DB	2ton	20	28.6	5	1800	66	0.54	1800	ø8	2PD	43.2	33.4	33.5	4.7	5.8	21.3	5.1	4.7	9.1	2.5	1.6	12.7	28.2	29.8	19.4	47.6	49.2	2.0	13.7	19.7	20.9	2.35	27.3	16.75	1026																		
SUBHD-200DB	4400lbs	30																																																			
		40	28.6/9.5	5/1.7	1800/600	66/22	0.54/0.17	1800/600																																													
SUCH-300DB	3ton	20	22.1	7	1800	69	0.54	1800	ø10	2PD	48.6	37.8	33.5	5.9	7.0	22.6	4.5	6.3	10.5	2.6	1.8	13.0	30.5	33.8	23.6	54.1	57.4	3.0	15.4	22.4	22.6	2.95	31.2	16.75	1471																		
SUCHD-300DB	6600lbs	30																																																			
		40	22.1/7.3	7/2.3	1800/600	69/23	0.54/0.17	1800/600																																													
SUDH-500DB	5ton	20	19.1	9	1800	69	1	1800	ø10	2PD	48.6	37.8	33.5	5.9	7.0	22.6	4.5	6.3	11.8	2.6	1.8	13.0	30.3	33.8	23.6	53.9	57.4	3.0	15.4	22.4	22.6	2.95	31.2	16.75	1596																		
SUDHD-500DB	11000lbs	30																																																			
		40	19.1/6.3	9/3	1800/600	69/23	1/0.33	1800/600																																													
SUEAH-750DB	7.5ton	20	15.9	11	1800	62.3	1.5	1800	ø12	2PD	63.0	51.2	45.3	6.3	7.7	23.6	5.5	6.3	15.2	3.4	2.4	14.1	35.0	35.1	27.8	62.8	62.9	3.2	20.3	30.9	29.2	3.15	40.6	22.65	2800																		
SUEAHD-750DB	16500lbs	30																																																			
		40	15.9/5.3	11/3.7	1800/600	62.3/21	1.5/0.54	1800/600																																													
SUFAH-1000DB	10ton	20	16.1	15	1800	49	2	1800	ø14	2PD	63.0	51.2	45.3	6.3	7.7	23.6	5.5	6.3	18.8	3.4	2.4	14.1	35.0	37.5	27.8	62.8	65.3	3.2	19.9	31.3	28.8	3.15	41.0	22.65	3194																		
SUFAHD-1000DB	22000lbs	30																																																			
		40	16.1/5.3	15/5	1800/600	49/16	2/0.67	1800/600																																													
SUIH-1500DB	15ton	20	14	17.4	1800	59	2	1800	ø18	2PD	70.1	55.3	45.3	7.9	8.9	28.0	7.9	6.9	34.7	2.9	2.4	17.8	39.0	41.3	31.7	70.7	73.0	3.9	20.6	34.7	31.3	3.94	44.5	22.65	4070																		
SUIHD-1500DB	33000lbs	30																																																			
		40	14/4.6	17.4/5.8	1800/600	59/19.7	2/0.67	1800/600																																													
SUII-2000DB	20 ton	20	10.4	17.4	1800	59	3	1800	ø18	3PD	73.6	58.3	51.2	7.9	8.9	26.8	8.5	6.8	42.0	3.4	2.4	21.0	42.2	44.5	34.9	77.1	79.4	3.9	23.2	35.1	35.0	3.94	45.4	25.6	5560																		
SUIID-2000DB	44000 lbs	30																																																			
		40	10.4/3.46	17.4/5.8	1800/600	59/19.7	3 / 1	1800/600																																													
SUIJ-2500DB	25 ton	20	7	15	1800	59	3	1800	ø18	4PD	78.1	60.0	66.9	11.8	13.2	30.3	9.1	9.0	43.4	3.5	2.7	29.4	53.3	55.7	43.1	96.4	98.8	5.9	21.2	38.8	33.7	6.1	51.3	33.5	6330																		
SUIJD-2500DB	55000 lbs	30																																																			
		40	7/2.3	15/5.8	1800/600	59/19.7	3 / 1	1800/600																																													
SUIJ-3000DB	30 ton	20	7	17.4	1800	59	2	1800	ø18	4PD	79.0	61.0	68.9	11.8	13.2	31.0	9.0	9.0	61.0	2.4	2.76	29.6	50.8	53.1	43.4	94.2	96.5	5.9	17.4	43.6	28.7	5.91	55.0	34.4	6330																		
SUIJD-3000DB	66000 lbs	30																																																			
		40	7/2.3	17.4/5.8	1800/600	59/19.7	2/0.67x2	1800/600																																													

* Dimensions included control panel



Black Bear



2 WIRE ROPE

3 PUSH BUTTON STATION

④ MOTOR BRAKE

5 MOTOR

⑥ LIFT

7 HOOK

COUNTERWEIGHT
TYPE UPPER LIMIT
SWITCH

Model	Capacity	Lift (ft)	Hoisting			Traversing			Wire Rope	Reeving Type	Approximate Dimension(in)																				Appro. weight (lbs)			
			Speed (f/min) 60HZ	Motor HP	Motor RPM	Speed (f/min) 60HZ	Motor HPx2	Motor RPM			A	B	C	øDi	øDo	E	F	G	H	J	K	L	M	N	P	R	S	T	U	V	W	X1	X2	(S)
										ømm																								
SUGI-2500	25 ton 55000 lbs	20	13.2	30	1800	59	2	1800	ø18	3PD	83.2	65.8	90.6	11.8	17.5	30.7	10.0	10.0	50.6	3.0	3.2	40.4	51.3	59.3	110.6	10.4	27.2	39.3	40.2	7.9	52.3	45.4	45.2	12360
30		13.2/4.4	30/10	1800/600	59/20	2/0.6	1800/600	90.6					40.4									51.3	59.3	110.6	45.4							45.2	12360	
40								102.4					46.3									57.2	65.2	122.4	51.3							51.1	13430	
SUGI-3000	30 ton 66000 lbs	20	13.2	40	1800	59	3	1800	ø20	3PD	86.5	66.5	90.6	15.8	17.5	31.7	10.0	10.0	50.6	3.0	3.2	40.4	51.3	59.3	110.6	10.4	27.2	39.3	40.2	7.9	52.3	48.3	42.3	12360
30		13.2/4.4	40/13.4	1800/600	59/20	3/1	1800/600	90.6					40.4									51.3	59.3	110.6	48.3							42.3	12360	
40								102.4					46.3									57.2	65.2	122.4	54.2							48.2	13430	
SUGJ-4000	40 ton 88000 lbs	30	9.9	40	1800	59	3	1800	ø20	4PD	86.5	66.5	90.6	15.8	17.5	31.7	10.0	10.0	59.0	3.0	3.2	40.4	51.3	59.3	110.6	10.4	22.1	44.4	35.1	7.9	57.4	48.3	42.3	12810
SUGJD-4000		40	9.9/3.3	40/13.4	1800/600	59/20	3/1	1800/600					110.2									50.2	61.1	69.1	130.3							58.1	52.1	13880
		50											126.0									58.1	69.0	77.0	146.0							66.0	60.0	14750

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Professional cranes & hoists for lifting Professional cranes & hoists for lifting

Professional cranes & hoists for lifting



Taiwan Black Bear Factory



QUANG LIEN Factory



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- Due to the printing factors, the color of the products is subject to minor deviation from the physical objects.