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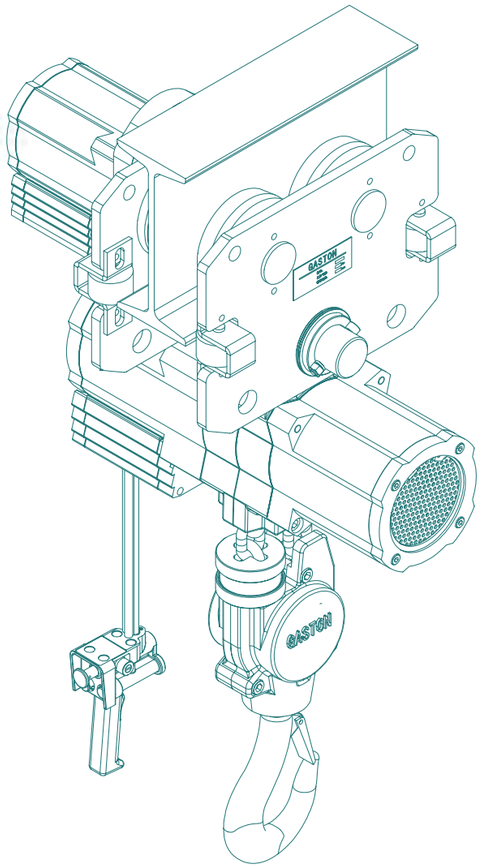
Anhui Gaston Precision Machinery Co., Ltd



AIRHOIST ELECTRIC BALANCE CRANE
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Company profile

Anhui Gaston Precision Machinery Co., Ltd. is a professional manufacturer engaged in the design, R&D, production, sales and service of pneumatic motors and pneumatic equipment. The company originated in 2009 (Shanghai Tuogao Precision Machinery Co., Ltd., Kunshan Gaston Precision Machinery Co., Ltd.) and was established in 2018. Currently, we have branches in Shanghai, Suzhou and Guangzhou. Our factory covers an area of 20 acres and is equipped with over 60 sets of machining and testing equipment, including:

Machining workshop: large 4-axis machining centers, CNC horizontal lathes, CNC vertical lathes, conventional lathes, cylindrical grinders, etc., with strong processing capabilities and high precision.

Sheet metal workshop: CNC shearing machines, CNC bending machines and various welding machines for processing various customized non-standard equipment.

For years, we have been committed to product innovation, focusing on the upgrading of pneumatic motors. With excellent concepts and continuous investment, we have built a highly creative design team. We have successively designed many innovative pneumatic products and currently own over 30 product patents with independent intellectual property rights.

Our main products include pneumatic motors and a series of products developed based on pneumatic motors to meet specific production needs, such as pneumatic hoists, pneumatic winches, pneumatic mixers, pneumatic emulsifiers, explosion-proof pneumatic pumps, pneumatic blenders, pneumatic fans, as well as industrial automation equipment and electro-pneumatic control systems.

The company strictly follows the ISO9001 quality management system for product design, production, assembly and testing. Through the efforts of all employees, the company has passed the ISO9001 international quality system certification. After strict procedures and high-standard audits, the company has successfully been recognized as a "National High-Tech Enterprise". Gaston is steadily advancing towards internationalization with its own strength and a global vision.

Customers with different needs are always the coordinates we tirelessly pursue and the motivation to continuously surpass ourselves! Gaston looks forward to sincere cooperation with friends from all walks of life at home and abroad to create brilliance together!

enterprise environment

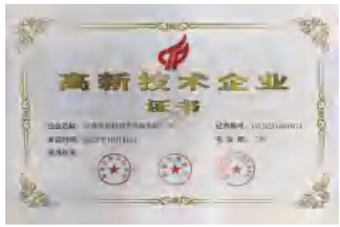









Qualification certificate




CONTENTS

Gaston pneumatic hoist

Company certified with ISO9001 Quality Management System
Pneumatic hoist industry standard: JB/T 11963-2014
Enterprise product standard: Q/3201 GTJ01-2019
Pneumatic hoist national patents:
ZL 202122508066.X
ZL 202121768130.1
ZL 202122096549.3
ZL 202230279970.5
ZL 202230279939.1
ZL 202230545991.7

Principle of operation of pneumatic hoists

The pneumatic hoist is powered by compressed air to drive the air motor to rotate, and then drive the sprocket to rotate and drive the chain to complete the lifting work after the torque is increased by the gearbox. It mainly consists of pneumatic motor, planetary reducer, hand control valve, main control valve, hanging assembly, braking mechanism, lifting chain, and other parts. Pneumatic hoist with explosion-proof trolley or pneumatic trolley composed of mobile pneumatic lifting tools. Lifting mechanism through the control of the main control valve, to realize the lifting of heavy lifting, lowering, through the opening and closing of the brake to achieve lifting, lowering positioning brake. Chain pneumatic hoist to ensure the safety of lifting operations, pneumatic hoist lifting mechanism as a whole can be fixed to use, can also be placed under the walking mechanism for mobile use.

Advantages of pneumatic hoists

1. Safe and explosion-proof
A use of compressed air as a driving force, 100% of the work cycle, pneumatic hoists can run continuously, because the air motor does not heat, running air pressure will be dust, dirt, moisture and corrosive gases outside the shell, no electrical hazards, due to the lack of use of electricity, safe from electric shocks in explosive environments, the use of air-powered is a clear advantage of air hoists operate without sparks, safe and explosion-proof.
2. Adjustable speed
--In lifting or lowering, stepless speed adjustment; fast running speed, 3 times of electric hoist; 5-10 times of hand chain hoist.
3. Overload protection and air break protection
--Avoid sudden interruption of air source causing sudden fall of load. Make the product has further quality assurance, to avoid overloading of the load on the product damage.
4.Simple operation
--Tie rod control operation is simple and easy to control, when lifting or lowering, so that you can quickly respond to the action of the handle output.
5. Clean and environmentally friendly, safe and reliable
--Internal lubrication system eliminates air pollution. Suitable for working in damp, wet, high dust and other special or harsh environments.
6. Labor-saving handling
--Pneumatic hoist in addition to focusing on the appearance of the beautiful, smaller than the electric hoist, light weight, easy to handle, as well as the product structure design is solid, making the operation reliable, low maintenance.
7. Low failure rate and durability
--Pneumatic hoists are durable and have a significantly longer service life than similar products.

Applications of pneumatic hoists

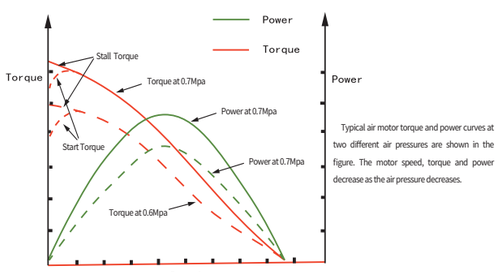
Due to the good explosion-proof performance of the pneumatic hoist, it is widely used in foreign industrialized countries in the chemical industry, textile, painting, logistics, docks and other flammable, explosive, high-temperature, high-dust, corrosive workplaces. Because of its high frequency, infinitely variable speed characteristics, by the production of large, continuous operation of automobiles, tractors, electric motors, refrigerators and other manufacturing industries as well as logistics industry favor. In particular, some industrially developed countries clearly stipulate that the use of pneumatic hoists must be mandatory for petroleum, chemical, automobile, mining and other flammable and explosive occasions.

Hoist air motor performance characteristics

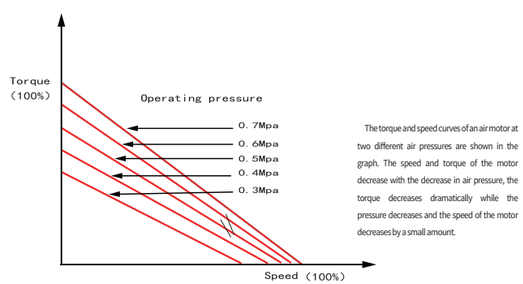
Air hoists are powered by vane-type air motors, and we need to understand the characteristics of vane-type air motors. Vane-type air motors are high-speed types, small in size and high in speed, with speeds ranging from zero to tens of thousands of revolutions, and we need to carry out a rigorous test of vane-type air motors before assembling an air hoist. Every motor has a chart on which the torque and power generated by speed changes can be read out. The motor produces no power when it is stationary without air supply and when it is rotating without a load on the output shaft (free speed). Maximum power is usually generated when the motor reaches 50% of free speed. At free speed, the torque is zero, but as the motor decelerates, the torque increases linearly until the motor stops rotating. Because the blades can be in any position when the motor stops, it is impossible to specify an exact starting torque, but the minimum starting torque is stated in all charts.
The air motor performance depends on the dynamic air inlet pressure measuring the intake of the air motor, using the correct charts we can get a linear output torque versus speed, it is important to know the speed and torque required.

Air motor performance in pneumatic hoists varies as a percentage of the performance characteristics as the air pressure varies

Air Pressure（PSI）	Air Pressure（Mpa）	Max.HP（HP）	Free Speed（RPM）	Max. Speed（RPM）	Max. Torque（NM）	Max. Torque（m3/min）	Stop Torque Starting Torque（NM）
40	0.28	45%	80%	30%	37.50%	45%	45%
50	0.35	56%	84%	44%	52.40%	56%	56%
60	0.4	67%	88%	58%	65.90%	67%	67%
70	0.48	78%	92%	72%	78.30%	78%	78%
80	0.55	89%	96%	86%	89.60%	89%	89%
90	0.63	100%	100%	100%	100.00%	100%	100%
100	0.7	110%	104%	114%	109.60%	110%	110%



Typical air motor torque and power curves at two different air pressures are shown in the figure. The motor speed, torque and power decrease as the air pressure decreases.



The torque and speed curves of an air motor at two different air pressures are shown in the graph. The speed and torque of the motor decrease with the decrease in air pressure, the torque decreases dramatically while the pressure decreases and the speed of the motor decreases by a small amount.

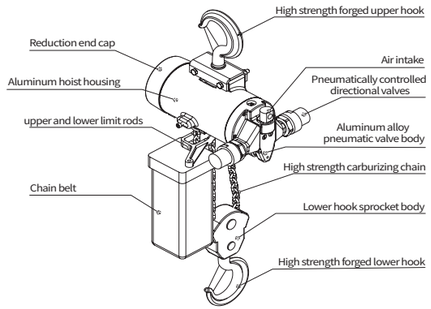
GASTON air hoist air motor advantages

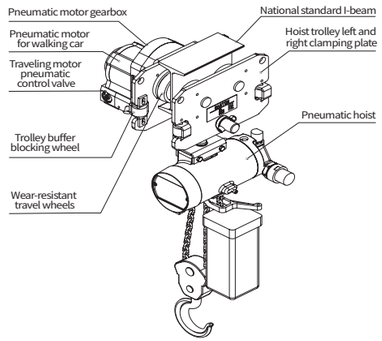
--Pneumatic hoist has 6 patents, each of which is an advantage of our pneumatic hoist design
--Overload clutch, when the rated weight is reached, the hoist will automatically slip and stop lifting
--The surface of the main components of the pneumatic motor is treated with rust prevention, and during the warranty period, the motor will not get stuck or unable to rotate due to rusting of the main components of the pneumatic motor
--The shell of the pneumatic hoist is made of high-strength materials and has a high load-bearing capacity
--The pneumatic control valve of the pneumatic hoist is designed with a large-diameter channel, ensuring sufficient ventilation to improve the efficiency of the pneumatic hoist
--The pneumatic hoist brake component adopts an internal spline anti slip design, ensuring that the pneumatic hoist brake pads will not cause the hoist chain to automatically slide down due to slipping
--The upper and lower hooks of the pneumatic hoist are forged and subjected to quenching and tempering heat treatment, which increases the toughness of the hook, making it durable and not easily damaged
--The deceleration part of the pneumatic hoist adopts a sealed design, which can ensure long-term oil leakage inside. The exhaust adopts an internal channel design to reduce the heat generated by the friction of the reducer. The advantage of this is that it reduces the noise generated by the exhaust of the pneumatic motor

Pneumatic hoist structure description

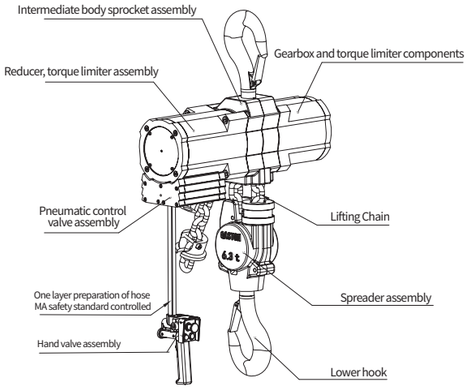
Pneumatic hoist is powered by compressed air to promote the rotation of the air motor, after speed change (deceleration) to increase the torque to complete the lifting work. It mainly consists of ① air motor ② hand-operated valve ③ main control valve ④ reducer ⑤ hanging ⑥ brake mechanism ⑦ connecting mechanism and other parts.
① air motor: mainly consists of: rotor, stator, front and rear end caps, blades, and bearings. When compressed air is fed into the motor from the distributor disk of the main control valve, the blades rotate with the rotor at high speed to generate torque.
② Manual control valve: mainly composed of: handle, valve body and button. The key can be manipulated to open the valve to control the connection between the airway of the main control valve and the main airway. The motor is a vane type air motor with brake.
③ Main control valve: mainly composed of: left and right valve stems, connecting rods and air distribution disk. The switching of the left and right airways completes the air distribution work of the air motor for forward and reverse rotation.
Reducer: mainly composed of: shell and a set of planetary reduction mechanism. When the high-speed shaft of the air motor is input into the reduction mechanism, the torque is increased by deceleration and output to the lifting sprocket by the final stage.
⑤Hanging: mainly composed of: upper hook, hanging body, sprocket, chain, lower hook and other parts. Relying on the forward and reverse rotation of the sprocket to complete the ascending and descending movement.
(6) Brake mechanism: mainly composed of: brake cone, brake ring and cylinder. The brake cone and brake ring are separated through the main control valve to the cylinder to release the brake.
(7) Limit mechanism: mainly composed of: rotating shaft, pendulum frame and reset spring. It plays the role of anti-collision protection when it rises and falls to the position.

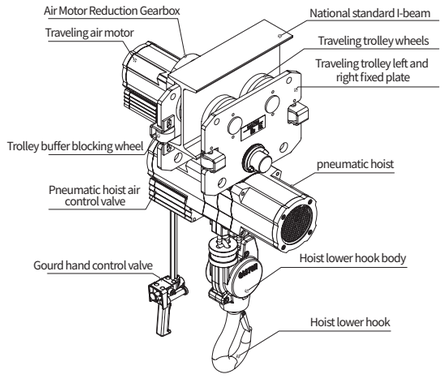
Gaston GTH industrial pneumatic hoist



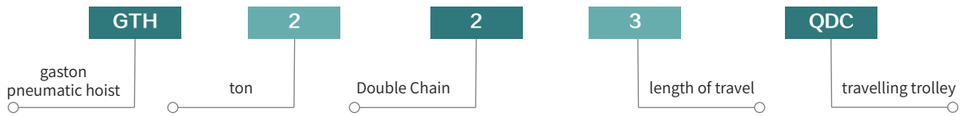


Gaston HQ type mining pneumatic hoist



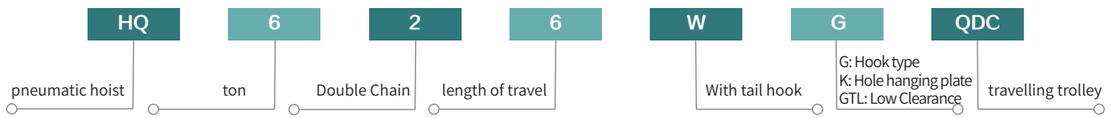


Model representation



GTH series: Mechanical limit type, using limit lever, control the highest position of the hoist and the chain travel, when the chain in the highest position

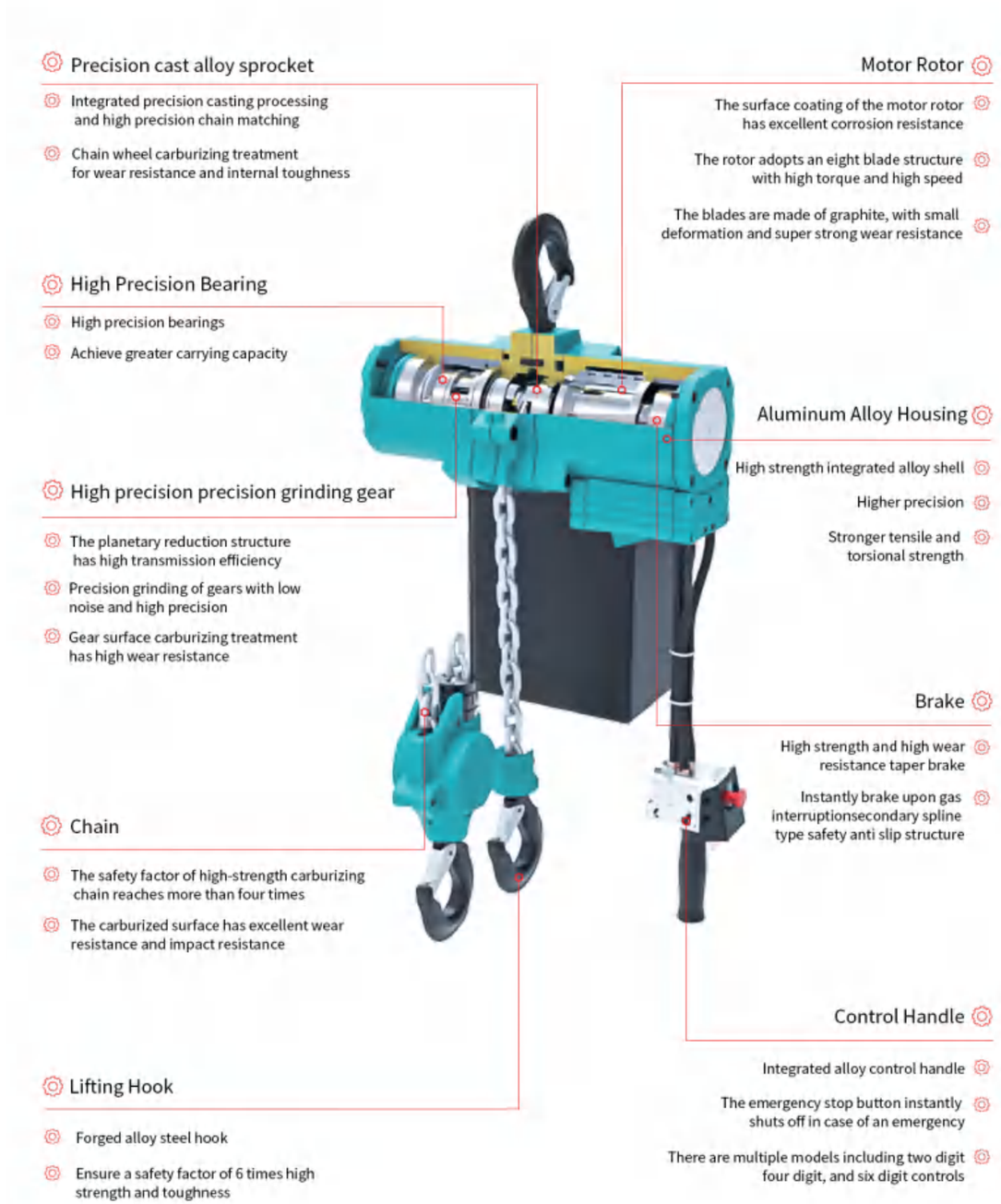
When the chain touches the limit lever at the highest position, it automatically cuts off the air supply to stop the hoist, and when the chain touches the mechanical lever at the very end of the travel, it also cuts off the air supply to stop the hoist.



HQ series: Hard limit type, the hoist chain rises to the highest and lowest position when the block touches the hoist housing to stop the air supply manually.

A travel valve can be added to stop the air supply to stop the hoist.

Structural diagram of pneumatic hoist

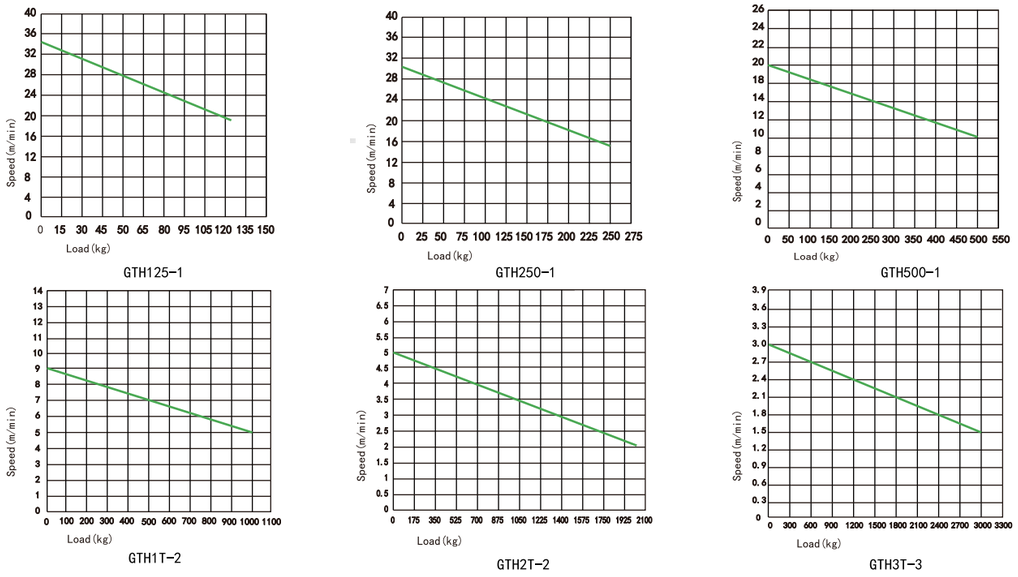


Pneumatic hoist technical parameters

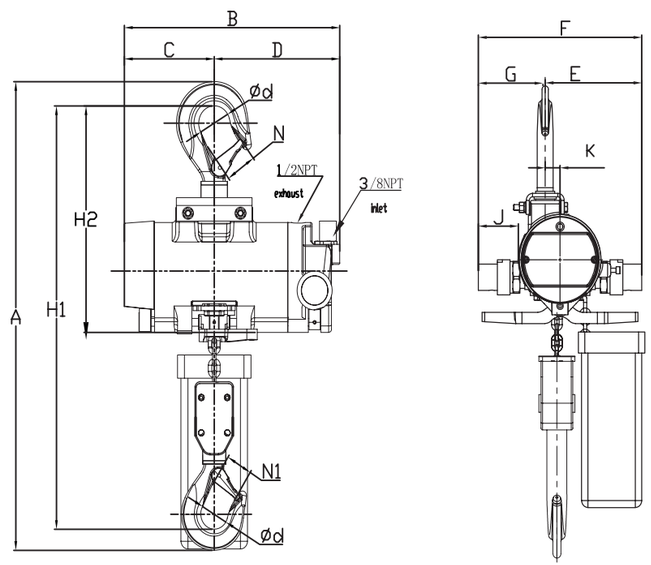
Model	unit	GTH125-1		GTH250-1		GTH500-1		GTH1T-2		GTH2T-2		GTH3T-3	
Pressure	Mpa	0.4	0.6	0.4	0.6	0.4	0.6	0.4	0.6	0.4	0.6	0.4	0.6
Rated load	(KG)	125		250		500		1000		2000		3000	
Number of chains	Pieces	1		1		1		2		2		2	
Motor output power	(KW)	0.6	1	0.6	1	0.6	1	0.6	1	0.6	1	0.6	1
Full load lifting speed	(m/mim)	18	20	12	15	7	10	4	6	2.1	4.5	1.8	2.3
Lowering speed at full load	(m/mim)	27	36	13	15	16	17	10	11	5	6	5	6
Full load air consumption - lifting	(m3/mim)	0.7	1.2	0.7	1.2	0.7	1.2	0.7	1.2	0.7	1.2	0.7	1.2
Chain size	mm	6.3*19		6.3*19		6.3*19		6.3*19		7*21		9*27	
Chain weight	kg/米	0.9		0.9		0.9		0.9		1.0		1.0	
Standard weight (3 meters lifting height)	(kg)	22		22		24		27		38		48	
Controller trachea length	(m)	The standard length is 3 m											
Full Load Noise-Lift dB	(dB)	73	77	74	78	75	78	77	80	80	82	80	82
Air Tube Connector	(in)	3/8NPT		3/8NPT		3/8NPT		3/8NPT		G1/2		G1/2	
Air Tube Size (I.D.)	(mm)	12		12		12		12		16		16	

1. Anti-overload protection, patent number: ZL 202121768130.1
2. Parameters measured at 0.63Mpa pressure, the main pipe diameter N40, from the storage tank 5M3. GTH series mechanical fatigue strength M4

Speed characteristic curve of GASTON GTH series pneumatic hoists



Outline drawing of pneumatic hoist

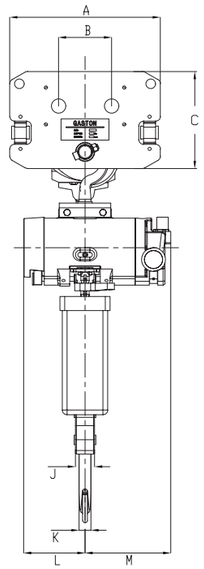


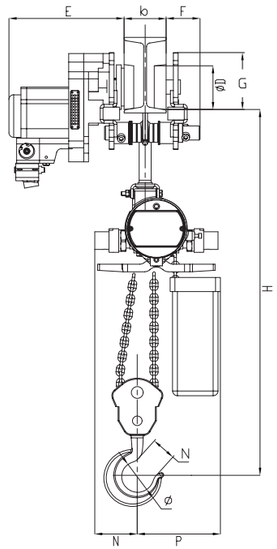
Mold	Unit	GTH25-1	GTH50-1	GTH500-1	GTH1T-1	GTH2T-2	GTH3T-3
A	mm	616	616	616	616	635	616
B	mm	310	310	310	310	315	310
C	mm	128.6	128.6	128.6	128.6	146	128.6
D	mm	181.4	181.4	181.4	181.4	185	181.4
E	mm	145.5	145.5	145.5	145.5	140	145.5
F	mm	258	258	258	258	150	258
G	mm	105.5	105.5	105.5	105.5	295	105.5
J	mm	55.5	55.5	55.5	55.5	65	55.5
K	mm	23.5	23.5	23.5	23.5	26	23.5
H1	mm	460	460	460	460	500	460
H2	mm	260	260	260	260	165	260
Φd	mm	35	35	35	35	48	35
N	mm	32	32	32	32	33	32

Advantages of pneumatic hoist

1. Safety - Powered by compressed air, operates without sparks, and is safe and explosion-proof.
2. It has a gas cut-off protection function, so even if the gas source is suddenly cut off, heavy objects will not fall.
3. It has overload protection function and cannot lift weights exceeding the rated load.
4. Efficiency - High work efficiency, with an improvement speed that cannot be achieved by similar products.
5. It has infinite variable speed function and can freely control the lifting speed according to the lifting weight.
6. Precision - The control handle can adjust the intake volume for precise control.
7. Energy saving - small size and light weight.

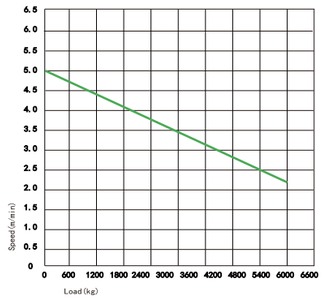
pneumatic hoist	GTH125-1 GTH250-1	GTH2T-2
Walking car	QDC-125	QDC-2
A	315	325
B	111	125
b Operating track width	80-115	80-120
bm	168	168
C	205	218
D	90	110
E	240	240
F	71	71
G	120	120
H Minimum clearance	550	565
J	50	93
K	23.5	26
L	128.6	146
M	180	185
N	89	33
P	174	140
¢	38	48





	Model	unit	GTH125-1		GTH250-1		GTH500-1		GTH1T-2		GTH2T-2		GTH3T-3	
pneumatic hoist	Pressure	Mpa	0.4	0.6	0.4	0.6	0.4	0.6	0.4	0.6	0.4	0.6	0.4	0.6
	Rated load	(KG)	125		250		500		1000		2000		3000	
	Number of chains	Pieces	1		1		1		2		2		2	
	Motor output power	(KW)	0.6	1	0.6	1	0.6	1	0.6	1	0.6	1	0.6	1
	Full load lifting speed	(m/mim)	18	20	12	15	7	10	4	6	2.1	4.5	1.8	2.3
	Lowering speed at full load	(m/mim)	27	36	13	15	16	17	10	11	5	6	5	6
	Full load air consumption - lifting	(m3/mim)	0.7	1.2	0.7	1.2	0.7	1.2	0.7	1.2	0.7	1.2	0.7	1.2
	Chain size	mm	6.3*19		6.3*19		6.3*19		6.3*19		7*21		9*27	
	Chain weight	kg/米	0.9		0.9		0.9		0.9		1.0		1.0	
	Standard weight (3 meters lifting height)	(kg)	22		22		24		27		38		48	
	Controller trachea length	(m)	The standard length is 3 m											
	Full Load Noise-Lift dB	(dB)	73	77	74	78	75	78	77	80	80	82	80	82
	Air Tube Connector	(in)	3/8NPT		3/8NPT		3/8NPT		3/8NPT		G1/2		G1/2	
	Air Tube Size (I.D.)	(mm)	12		12		12		12		16		16	
Traveling trolley	Mold	unit	GTH125		GTH-250		GTH-500		GTH-1T		GTH-2T		GTH-3T	
	Motor power	kw	0.25		0.25		0.25		0.25		0.25		0.25	
	Running speed	m/min	14-18		14-18		13-15		13-15		13-15		11-13	
	Motor air consumption	m^3/mim	0.3		0.3		0.3		0.3		0.45		0.45	
	Pneumatic tube connector	in	G1/2		G1/2		G1/2		G1/2		G1/2		G1/2	
	Air tube size (inner diameter)	mm	12		12		12		12		16		16	
	Weight (Trolley)	kg	36		36		36		36		42		49	

HQ series pneumatic hoist technical parameters



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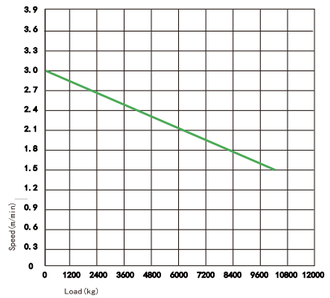

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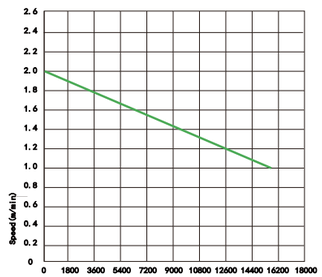

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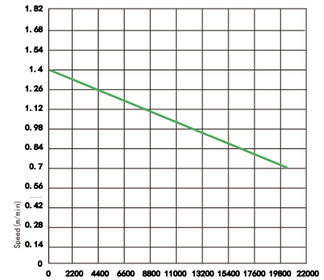

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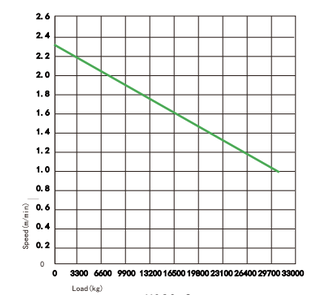

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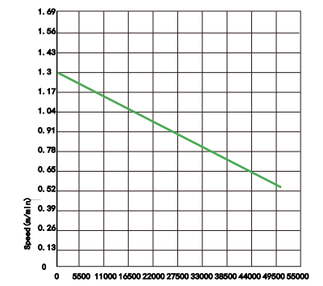

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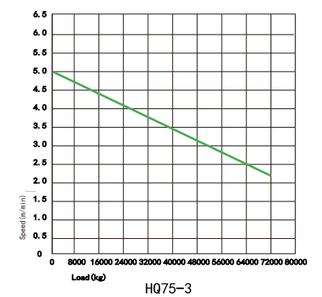
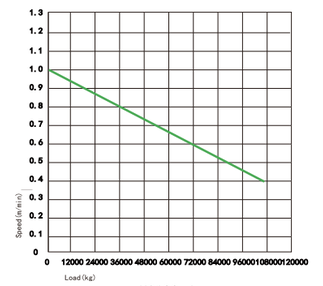


HQ75-3



HQ100-4

HQ1

HQ3

HQ5

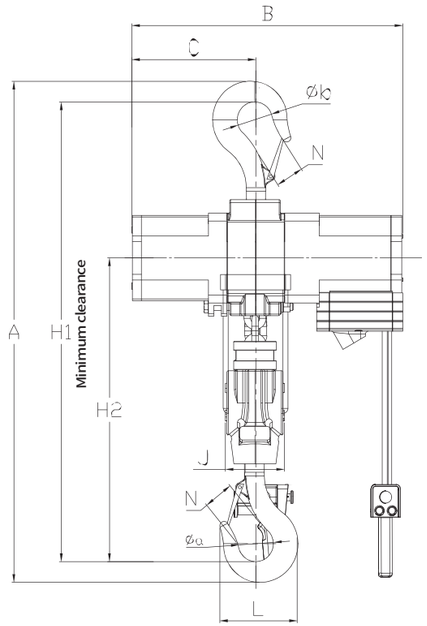
	Mold	unit	HQ0.25-1		HQ0.5-1		HQ1-1		HQ1-2		HQ2-2		HQ3-1		HQ3-2		HQ5-2	
pneumatic hoist	Pressure	Mpa	0.4	0.6	0.4	0.6	0.4	0.6	0.4	0.6	0.4	0.6	0.4	0.6	0.4	0.6	0.4	0.6
	Load	(Tons)	0.16	0.25	0.35	0.5	0.65	1	0.7	1	1.5	2	3		3		5	
	Number of chains	Pieces	1		1		1		2		2		1		2		2	
	Motor output	(KW)	0.6	1.0	0.6	1.0	0.6	1.0	0.6	1.0	0.6	1.0	1.8	3.5	1.5	2	1.5	2.0
	Lifting height	(M)	The standard height is 3 m															
	Full load lifting speed	(m/min)	18	20	10	11	5	5.5	3	3.6	2.5	2.7	2.5	5	2	3	1.5	1.8
	Lifting speed without load	(m^3/min)	37	42	16	19	10	11	6	7	5	5.5	6	10	4.2	5	1.2	2.8
	Lowering speed at full load	(m^3/min)	38	38	17	17	10	10	8	8	7	7	7.5	10.5	5.5	6	2.5	3.2
	Air consumption of pneumatic hoist at full load - lifting	(m^3/min)	0.7	1.2	0.7	1.2	0.7	1.2	0.7	1.2	0.7	1.2	2	4	1.5	2.6	1.5	2.6
	Full load air consumption - descending	(m^3/min)	0.8	1.5	0.8	1.5	0.8	1.5	0.8	1.5	0.8	1.5	3.5	5.5	2.2	3.6	2.2	3.6
	Chain size	mm	7*21		7*21		7*21		7*21		9*27		13*36		9*27		11.3*31	
	Chain weight	kg/m	1.0		1.0		1.0		1.0		1.8		3.8		1.8		2.3	
	Standard weight (3 meters lifting height)	(kg)	26		26		38		32		38		86		68		79	
	Controller air hose length	(m)	The standard length is 3 m															
	Full Load Noise-Lift	(dB)	74	78	74	78	74	78	74	78	74	78	74	78	74	78	74	78
	Air hose connector	(in)	G3/4		G3/4		G3/4		G3/4		G3/4		G3/4		G3/4		G3/4	
	Air tube size (inner diameter)	(mm)	14		14		14		14		14		19		19		19	

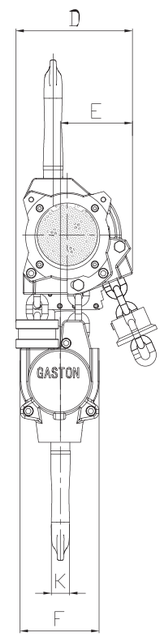
Configuration anti-overload protection 0.6Mpa

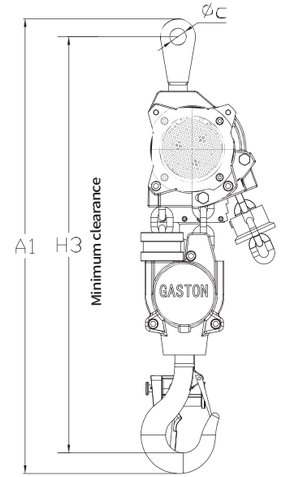
Mechanical fatigue class HQ0.25 M5(2m),

	Mold	unit	HQ0.25	HQ0.5	HQ1-1	HQ1-2	HQ2-2	HQ3-1	HQ3-2	HQ5-2
Traveling trolley	Motor power	kw	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
	Running speed	m/min	13-18	13-16	13-18	12-15	12-15	13	13	12
	Motor air consumption	m^3/mim	0.45	0.45	0.45	0.45	0.45	0.25	0.25	0.25
	Pneumatic tube connector	in	G1/2	G1/2	G1/2	G1/2	G1/2	G3/4	G1/2	G1/2
	Air tube size (inner diameter)	mm	14	14	14	14	14	13	13	13
	Weight (Trolley)	kg	40	40	40	40	49	49	49	55

The walking speed of the small car is all at 0.6Mpa pressure parameter







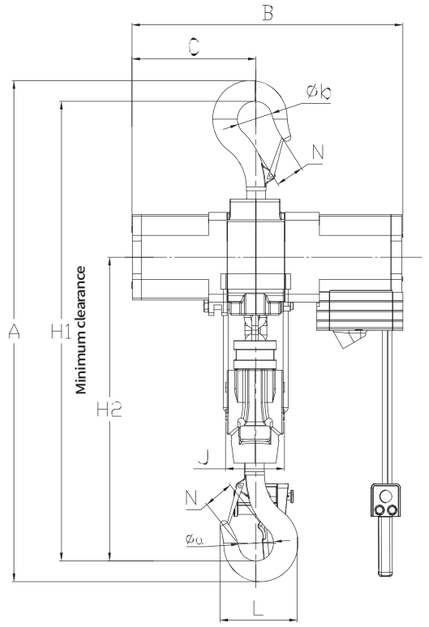
Mold	Unit	HQ0.25-1	HQ0.5-2	HQ1-1	HQ1-2	HQ2-2	HQ3-1	HQ3-2	HQ5-2
A	mm	690	690	690	585	585	905	690	685
A1	mm	608	608	608	556	556	885	608	625
B	mm	340	340	436	365	365	539	436	450
C	mm	151	151	202	146	146	246.5	202	220
D	mm	164	164	176	185	185	220	176	260
E	mm	96	96	100	140	140	146	100	170
F	mm	50	50	150	385	385	158	150	158
J	mm	50	50	90	65	65	120	90	120
K	mm	23	23	26.5	26	26	38	26.5	38
H1 Minimum clearance	mm	450	450	520	500	500	807	544	630
H2	mm	288	288	439	338	338	548	439	430
H3	mm	430	430	597	528	528	768	597	610
Φa	mm	21	28	53	48	48	69	53	69
Φb	mm	21	28	53	48	48	69	53	69
ϕc	mm	25	25	28	28	28	33	28	33

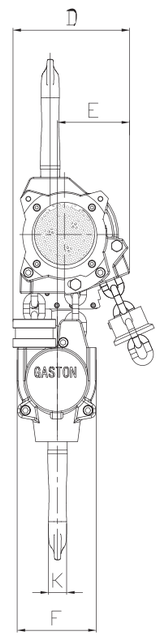
HQ10

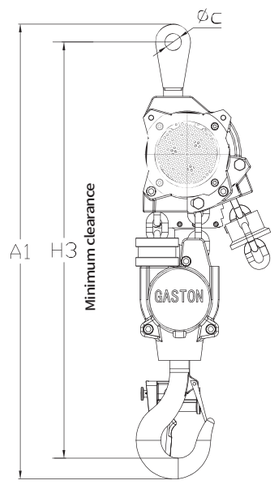
HQ16

HQ20

	Mold	unit	HQ6-2		HQ8-2		HQ10-2		HQ12-2		HQ16-3	HQ20-4
pneumatic hoist	Pressure	Mpa	0.4	0.6	0.4	0.6	0.4	0.6	0.4	0.6	0.6	0.6
	Load	(Tons)	6		8		10		12		16	20
	Number of chains	pieces	2		2		2		2		3	4
	Motor output	(KW)	1.8	3.5	1.8	3.5	1.8	3.5	1.8	3.5	3.5	3.5
	Lifting height	(M)	The standard height is 3 m									
	Full load lifting speed	(m/min)	1.4	2.3	1	1.6	1	1.5	0.5	1.1	1	0.5
	Lifting speed without load	(m/min)	3	5	2	3.1	1.5	2.5	1.2	2.3	2	1.2
	Lowering speed at full load	(m^3/min)	3.5	5.5	2.8	3.9	2.2	2.8	1.8	2.5	1.6	1.6
	Air consumption of pneumatic hoist at full load - lifting	(m^3/min)	2	4	2	4	2	4	2	4	4	4
	Full load air consumption - descending	(m^3/min)	3.5	5.5	3.5	5.5	3.5	5.5	3.5	5.5	5.5	5.5
	Chain size	mm	13*36		16*45		16*45		16*45		16*45	
	Chain weight	kg/m	3.8		5.8		5.8		5.8		3.8	3.8
	Standard weight (3 m lifting height)	(kg)	98		115		115		119		210	310
	Controller air hose length	(m)	The standard length is 3 m									
	Full Load Noise-Lift	(dB)	74	78	74	78	74	78	74	78	78	78
	Air hose connector	(in)	G3/4		G3/4		G3/4		G3/4		G3/4	G3/4
	Air tube size (inner diameter)	(mm)	19		19		19		19		19	19
Traveling trolley	Mold	unit	HQ6-2		HQ8-2		HQ10-2		HQ12-2		HQ16-3	HQ20-4
	Motor power	kw	2		2		2		2		3	3
	Running speed	m/min	10		9		9		8		5	5
	Motor air consumption	m^3/mim	2.6		2.6		2.6		2.6		2.6	2.6
	Pneumatic tube connector	in	G3/4		G3/4		G3/4		G3/4		G3/4	G3/4
	Air tube size (inner diameter)	mm	19		19		19		19		19	19
	Weight (Trolley)	kg	75		89		89		89		136	167







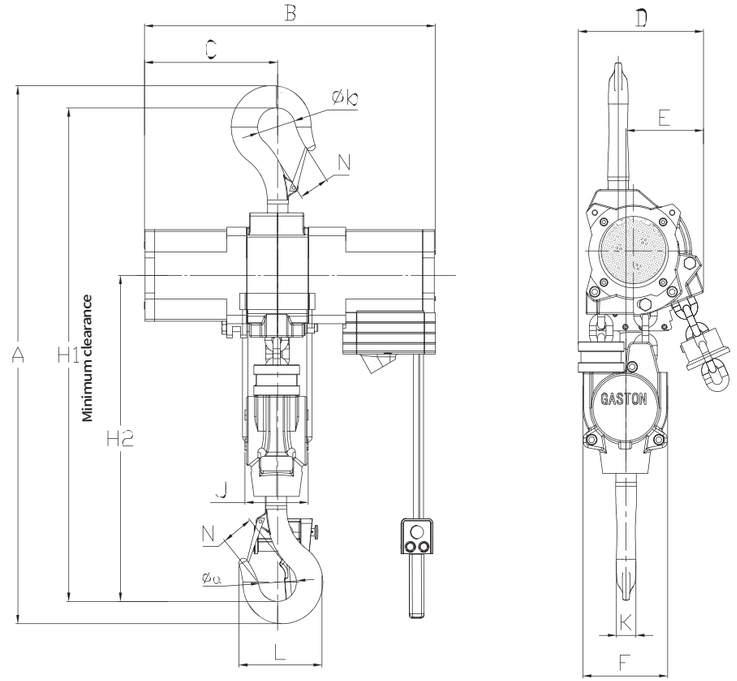
Mold	Unit	HQ6-2	HQ8-2	HQ10-2	HQ12-2	HQ16-3	HQ20-4
A	mm	905	1050	1050	1350	1350	1195
A1	mm	885	960	960	960	1030	985
B	mm	539	558	558	585	558	680
C	mm	246.5	256	256	292	246.5	247
D	mm	220	256	256	256	386	472
E	mm	146	128	128	128	195	127
F	mm	158	205	205	205	262	438
J	mm	120	135	135	135	160	120
K	mm	38	49	49	58	58	92
H1 Minimum clearance	mm	807	969	969	975	1163	1117
H2	mm	548	652	652	675	675	630
H3	mm	768	860	860	875	980	900
Φ a	mm	69	55	55	95	95	102
Φ b	mm	69	55	55	95	95	102
Φ c	mm	33	36	36	40	45	55

HQ25

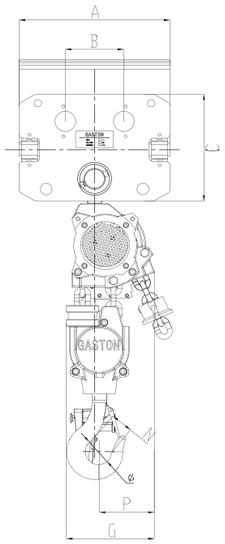
HQ50

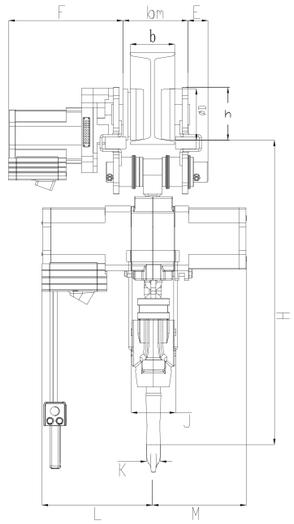
HQ100

Mold	unit	HQ25-2	HQ30-2	HQ37-3	HQ50-4	HQ75-3	HQ100-4
Pressure	Mpa	0.6-0.85					
Load	(Tons)	25	30	37	50	75	100
Number of chains	pieces	2	2	3	4	3	4
Motor output	(KW)	7	6.3	6.3	6.3	9	9
Lifting height	(M)	The standard height is 3 m					
Full load lifting speed	(m/min)	0.8	1	0.7	0.7	0.55	0.4
Lifting speed without load	(M/min)	1.5	2.3	1.7	1.2	1.3	1
Lowering speed at full load	(m^3/min)	2.5	2.8	2	1.5	1.2	1
Air consumption of pneumatic hoist at full load - lifting	(m^3/min)	8	6.5	6.5	4	7.6	7.6
Full load air consumption - descending	(m^3/min)	5.5	5.5	5.5	5.5	6	6
Chain size	mm	22*66	22*66	22*66	22*66	32*90	32*90
Chain weight	kg	12.2	12.2	12.2	12.2	21.3	21.3
Standard weight (3 meters lifting height)	(kg)	645	645	860	990	1750	1800
Controller air hose length	(m)	The standard length is 3 m					
Full Load Noise-Lift	(DB)	75	78	78	78	78	78
Full load noise - decline	(DB)	82	82	82	82	85	85
Air hose connector	(in)	G1	G11/2	G11/2	G11/2	G11/2	G11/2
Air tube size (inner diameter)	(mm)	25.4	35	35	35	35	35



Mold	Unit	HQ25-2	HQ30-2	HQ37-3	HQ50-4	HQ75-3	HQ100-4
A	mm	1370	1370	1610	1610	2535	2610
B	mm	900	900	955	955	1535	1535
C	mm	450	450	535	535	820	820
D	mm	445	445	445	445	600	600
E	mm	270	270	270	270	405	365
F	mm	310	310	350	350	450	450
H1 Minimum clearance	mm	1260	1260	1485	1485	1935	1935
H2	mm	825	825	950	950	1250	1250
Φ a	mm	126	126	120	120	315	355
Φ b	mm	126	126	120	120	315	355
N	mm	113	113	122	122	250	280

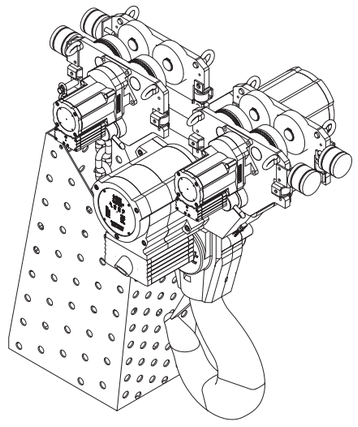




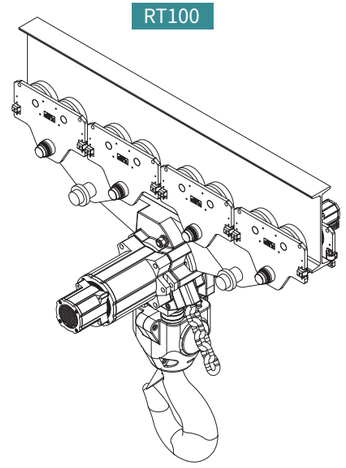
Pneumatic Hoist	HQ2-2	HQ3-2	HQ6-2	HQ10-2	HQ16-3	HQ20-4
Traveling trolley	QDC-2	QDC-2	QDC-6	QDC-10	QDC-16	QDC-20
A	325	340	400	496	496	675
B	125	140	155	186	186	270
b Operating track width	80-120	110-150	200-250	200-250	200-250	250-300
bm	168	235	330	350	375	375
C	218	250	290	364	364	490
D	110	120	135	166	166	240
E	45	68	53	144	147	157
F	210	290	322	358.5	358.5	313
G	145	176	256	256	386	472
H Minimum clearance	615	626	973	973	980	1270
h	120	130	140	140	166	250
J	90	93	118	135	200	120
K	26	30	36	49	60	72
L	169	232.5	293	303	295	293
M	146	203.5	249	256	245	247
N	33	35	48	66	88	95
P	140	146	142.7	128	195	127
¢	48	53	69	71	95	102

RT series walking pneumatic hoist

RT30

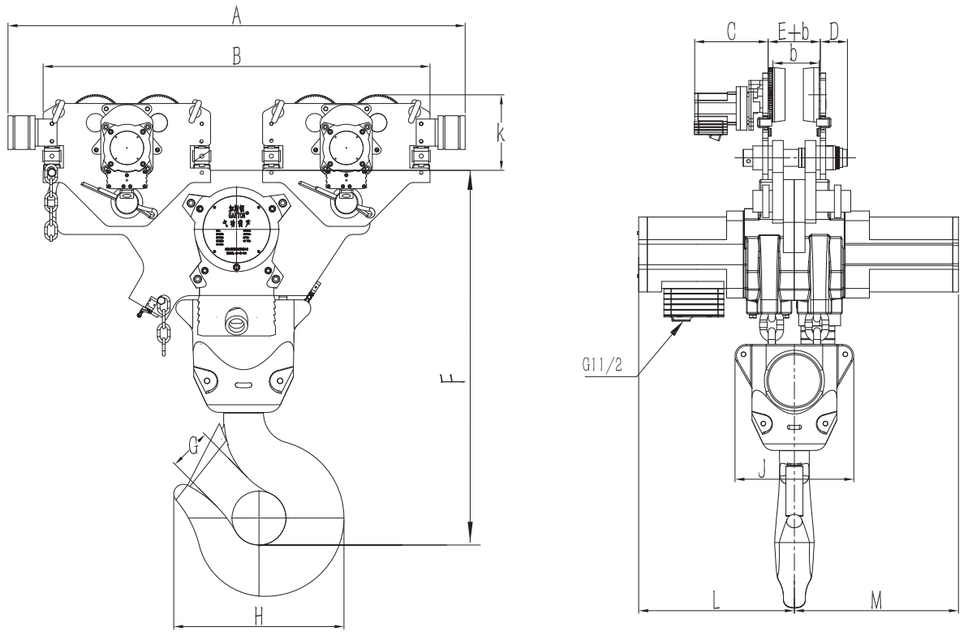


RT100



Mold	RT 25	RT 30	RT37	RT50	RT75	RT 100
Lifting capacity(ton)	25	30	37.5	50	75	100
Number of chains	2	2	3	4	3	4
Traveling trolley Motor output power(kW)	1.5	1.5	1.5	1.5	2.8	2.8
Lifting motor output power(kw)	6	6	6	6	10	10
Air pressure(Mpa)	0.6	0.6	0.6	0.6	0.6	0.6
Full load lifting speed(m/min)	0.8	1.0	0.7	0.5	0.5	0.4
No-load lifting speed(m/min)	1.5	2.3	1.7	1.2	1.3	1.0
Lowering speed with full load(m/min)	2.5	2.5	2.0	1.5	1.2	1.0
Full load traveling speed(m/min)	12	12	12	12	10	8
Walking speed without load(m/min)	13.5	13.5	13.5	13	12	10
Air consumption of traveling trolley(m3/min)	2.6	2.6	2.6	2.6	5.2	5.2
Lifting motor air consumption m3/min	5.5	5.5	5.5	5.5	11	11
Lifting motor air consumption m3/min	850	920	1460	1580	4000	5200
Chain bar size (mm)	22x66	22x66	22x66	22x66	32x90	32x90
Chain bar weight (kg/m)	12	12	12	12	21	21
Tube fitting (in)	G11/2	C11/2	G11/2	G11/2	G11/2	G11/2
Tube size (inner diameter mm)	35	35	35	35	35	35
Standard lifting height (m)	3	3	3	3	3	3
Standard control air tube length (m)	3	3	3	3	3	3
Muffler full load noise - lift (dB)	85	85	85	87	90	90

RT series walking pneumatic hoist size parameters



Mold	HQ25-RT	HQ30-RT	HQ37-RT	HQ50-RT	HQ75-RT	HQ100-RT
A	1328	1358	1680	1750	3370	3470
B	1150	1150	1480	1550	3150	3250
C	280	280	320	320	350	375
D	80	80	80	85	100	105
E	75	75	80	80	220	283
F	998	998	1050	1150	1480	1535
G	115	115	125	125	160	160
H	390	410	480	480	550	550
J	400	400	410	410	550	550
K	220	220	220	280	220	280
L	332	332	550	550	750	760
M	465	465	585	585	950	980

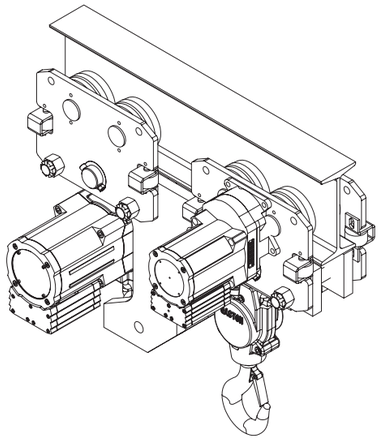
GTL low headroom series pneumatic hoists

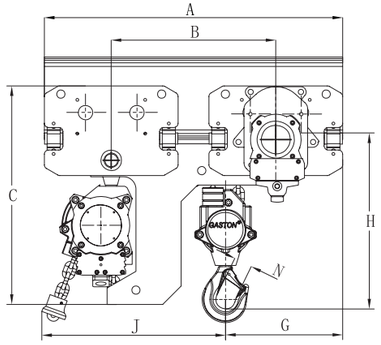
Lifting capacity: 0.5 to 20 tons

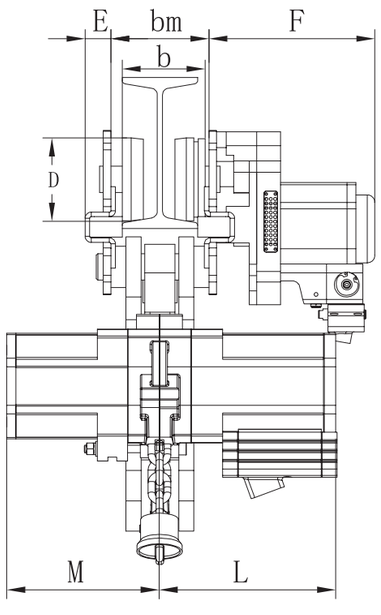
The main features of low headroom chain pneumatic hoist:

1. Suitable for the occasions of low headroom relative height, narrow space environment dangerous and complex.
2. Integration of structure, pneumatic hoist and pneumatic trolley combined into one, does not occupy space.
3. The limit distance is shortened to obtain a higher head, which can carry a larger volume of heavy loads.
4. Low headroom chain hoists can be installed on overhanging I-beams, as well as on curved rails, jib cranes and fixed lifting points.
5. Safe and explosion-proof, safe and reliable brake, overload protection, air break protection.

	Mold	unit	HQ2-2		HQ3-1		HQ3-2		HQ6-2		HQ10-2	
pneumatic hoist	Pressure	Mpa	0.4	0.6	0.4	0.6	0.4	0.6	0.4	0.6	0.4	0.6
	Load	(Tons)	2		3		3		6		10	
	Number of chains	pieces	2		1		2		2		2	
	Motor output power	(KW)	1.5	2	1.8	3.5	1.5	2	1.8	3.5	1.8	3.5
	Lifting height	(M)	The standard height is 3 m									
	Full load lifting speed	(m/min)	2.5	2.7	2.5	5	2	2.5	1.2	2.5	0.8	1.5
	Lifting speed without load	(m^3/min)	5	5.5	7.5	11	8	11	3.5	5.5	2.5	3.5
	Air consumption of pneumatic hoist at full load - lifting	(m^3/min)	0.7	1.2	2	4	1.8	2.6	2	4	2	4
	Chain size	mm	9*27		13*36		9*27		13*36		16*45	
	Chain weight	kg/m	1.8		3.8		1.8		3.8		5.8	
	Standard weight (3 m lifting height)	(kg)	38		86		68		98		115	
	Controller air hose length	(m)	The standard length is 3 m									
	Full Load Noise-Lift	(dB)	74	78	74	78	74	78	74	78	74	78
	Air Tube Connector	(in)	G3/4		G3/4		G3/4		G3/4		G3/4	
	Air Tube Size (I.D.)	(mm)	14		19		19		19		19	
Traveling trolley	Motor power	kw	0.25		0.25		0.25		2		2	
	Running speed	m/min	13		13		13		10		10	
	Motor air consumption	m^3/mim	0.45		0.25		0.25		2.6		2.6	
	Pneumatic tube connector	in	G1/2		G3/4		G1/2		G3/4		G3/4	
	Air tube size (inner diameter)	mm	13		13		13		19		19	
	Weight (Trolley)	kg	40		75		49		75		89	







pneumatic hoist	HQ3-2	HQ6-2	HQ10-2
Walking car	QDC-3	QDC-6	QDC-10
A	725	930	930
B	400	530	530
b Operating track width range	110-150	200-250	200-250
bm	235	330	350
C	530	695	695
D	120	135	166
E	34	68	68
F	220	291	291
G	284.5	302	306
H Minimum clearance	417	650	650
J	446	605	605
L	234	293	303
M	203.5	249	256
N	35	48	66

Pneumatic control valve

Pneumatic control valve - the key to precise control of pneumatic equipment

1. Pneumatic control valve definition:

Pneumatic control valve is a manual control device used to control the operation of pneumatic equipment. It regulates the flow direction and flow of compressed air to achieve precise control of pneumatic hoists and other pneumatic equipment.

2. Types and functions of pneumatic control valve:

- Two-position control valve: It gives two air source signals through two working buttons and is widely used for stationary pneumatic hoists and other pneumatic equipments which require simple control of rising and descending operations.
- Four-position control valve: gives four air source signals through four working buttons. Commonly used for traveling pneumatic hoists that control movement in the horizontal direction (ascending, descending, left-hand travel, right-hand travel) and other pneumatic equipment.
- Six-position control valve: gives six air source signals through six working buttons to control the through and direction of the air flow, realizing the all-round movement of the pneumatic traveling hoist. It is suitable for pneumatic traveling car which needs complex motion control (up, down, left, right, forward, backward).
- Three-position five-way valve: through three working positions and five interfaces (P, A, B, T, R) to control the airflow and direction, to realize the spirit of pneumatic equipment commutation operation. Commonly used in the need for positive and negative control occasions, such as mechanical equipment reversing control.

Pneumatic control valve is the key component to realize precise control and multi-function operation in pneumatic system, widely used in various pneumatic industrial equipment, in order to ensure the operation safety, all pneumatic control valves are equipped with emergency stop button, which can quickly cut off the gas source in case of emergency, and safeguard the safety of the equipment and personnel.

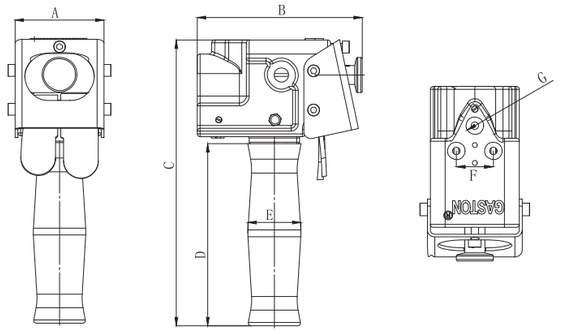
Pneumatic control valve technical parameters

Name	Model	Interface specification	Number of air tube connections	Applicable inner diameter of air tube(MM)	Weight(Kg)
2-position hand-operated valve series					
Two-position aluminum valve	SFAL-2	G1/4"	3	6	1.0
Two-position copper valve	SFT-2	G1/4"	3	6	1.9
4-position hand-operated valve series					
Four-position aluminum valve	SFAL-4	G1/4"	5	6	2.0
Four-position copper valve	SFT-4	G1/4"	5	6	3.2
6-position hand-operated valve series					
Six-position aluminum valve	SFAL-6	G1/4"	7	6	2.7
Three-position five-way valve					
Three-position five-way valve	TG-F2W5T-G1	G1/4"	3	6	9.8
		G1"	6	25	
		G11/2"	1	35	
		G1"	2	1 inch caliber silencer	

Pneumatic control valve technical parameters

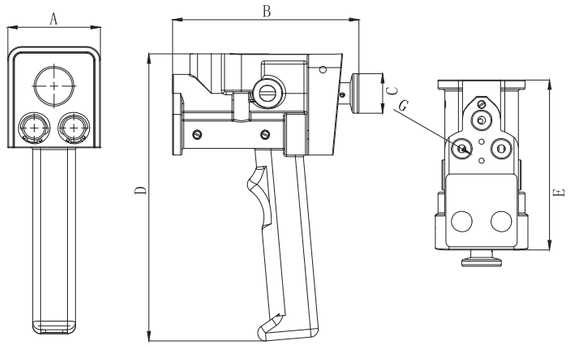
Aluminum valve series			Copper valve series	
Two-position aluminum valve SFAL-2	Four-position aluminum valve SFAL-4	Six-position aluminum valve SFAL-6	Two-position copper valve SFT-2	Four-position copper valve SFT-4
				

Aluminum valve size parameters



Model	SFAL-2	SFAL-4	SFAL-6
A	64	124	179
B	117.8	117.8	117.8
C	204	204	204
D	130	130	130
E	Φ38	Φ38	Φ38
F	25	75	125
G	3*G1/4	5*G1/4	7*G1/4

Copper valve size parameters



Model	SFT-2	SFT-4
A	58.5	108.5
B	117.8	117.8
C	Φ25	Φ25
D	181.5	181.5
E	107.5	107.5
G	3*G1/4	5*G1/4

Pneumatic Hoist Folding Arm Crane

Pneumatic hoist jib cranes - lightweight and efficient handling solutions

1. Definition of pneumatic hoist jib crane:

Hoist jib crane is a lightweight lifting equipment with electric hoist, pneumatic hoist or other lifting device installed at the end of the jib crane, the cantilever consists of two sections of the arm, which is suitable for the occasions where the rotating angle or length of the workstation is limited and frequent lifting is required.

2.Main features:

- Maximum load: 1000kg
- Boom length configuration: conventional boom length 1m +1m, 1.25m +1.25m, 1.5m +1.5m, 2m +2m
- Flexible operation: one arm can be rotated 360°, two arms can be rotated 270°, small push and pull force, light and flexible operation.
- High-efficiency beat: fixed-point loading and unloading fast tempo, suitable for high-frequency operation.
- Compact design: small size, can significantly increase the lifting height under restricted headroom conditions.

Pneumatic Hoist Folding Jib Cranes are suitable for material handling scenarios in workshops and warehouses where space is limited and fast positioning is required, as well as automated production lines or assembly stations with frequent lifting operations. With its lightweight design, flexible operation and high adaptability, it is the key equipment for efficiency and space utilization in industrial environments.

Technical Parameters of Pneumatic Hoist Folding Jib Crane

Technical parameters of pneumatic hoist folding arm crane

Lifting weight (KG)	Model	Arm length	Beam height	Beam rotation angle	Rotary motor	Installation pre embedded（M）
125	FAC-125-3-3	3	3	360-degree	Pneumatic /Electric	0.5*1.5
	FAC-125-4-4	4	4			0.5*1.5
	FAC-125-5-5	5	5			0.5*1.5
250	FAC-250-2-2	2	2			0.5*1.7
	FAC-250-3-3	3	3			0.5*1.7
	FAC-250-4-4	4	4			0.5*1.7
500	FAC-500-2-2	2	2			0.5*2
	FAC-500-3-3	3	3			0.5*2
	FAC-500-4-4	4	4			0.5*2

beam jib pneumatic crane technical parameters

Lifting weight (KG)	Model	Arm length	Beam height	Beam rotation angle	Rotary motor	Installation pre embedded（M）
500	FBC-0.5-3-3	3	3	360-degree	Pneumatic /Electric	0.5*1.5
	FBC-0.5-4-4	4	4			0.5*1.8
	FBC-0.5-5-5	5	5			0.5*1.8
	FBC-0.5-6-6	6	6			0.5*2.5
1000	FBC-1-3-3	3	3			0.5*2
	FBC-1-4-4	4	4			0.5*2.5
	FBC-1-5-5	5	5			0.5*2.5
	FBC-1-6-6	6	6			0.5*3
2000	FBC-2-3-3	3	3			0.5*3
	FBC-2-4-4	4	4			0.5*3
	FBC-2-5-5	5	5			0.5*3
	FBC-2-6-6	6	6			0.75*3
3000	FBC-3-3-3	3	3			0.75*3
	FBC-3-4-4	4	4			0.75*3
	FBC-3-5-5	5	5			0.75*3.5
	FBC-3-6-6	6	6			0.75*3.5

Modular self-supporting crane systems

Self-supporting cranes - modular and efficient handling solutions

1.Definition of modular self-supporting crane:

Combined self-supporting crane is a modular design of light lifting equipment, including monorail, single girder, double girder, telescopic girder and other forms, lifting capacity range of 0.125t-3t. Its standard modular components are quickly connected by bolts, which is suitable for modern production conveyor lines, and is characterized by lightweight, flexibility, high reliability and convenient maintenance.

2.Main features:

- Flexible form: support monorail, single girder, double girder, telescopic girder and other structural forms to meet diversified needs.
- Modular design: standardization of components, support for rapid assembly, expansion and later maintenance, reduce the comprehensive cost.
- Efficient operation: Support manual, automatic and semi-automatic operation, rail length, lifting height and spreader can be customized.
- Precise Positioning: Truss structure ensures smooth operation and accurate positioning without noise, suitable for high-frequency operation.
- Space optimization: compact design saves factory space, easy to install, light to move, and improves space utilization.

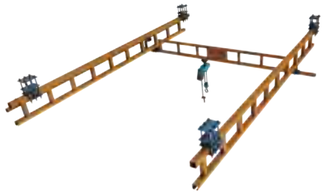
Combination self-supporting cranes are designed for modern production lines, workshops and warehouses, and are suitable for material conveying, assembly and high-frequency handling scenarios. Its modular design, high adaptability and Its modular design, high adaptability and low-cost maintenance, combined with precise positioning and compact structure, significantly improves operational efficiency and space utilization, and is the core equipment for reducing costs and increasing efficiency in the field of industrial automation.

Self-supporting Combination Crane Program

Self-supporting double girder

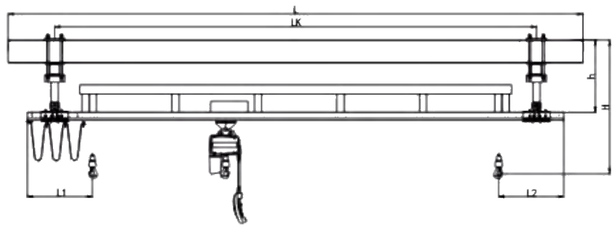
Girderless mode

Self-supporting single girder type



Suspension type

Self-supporting Combination Crane-Technical Parameter Table



Capacity(kg)		125	250	500	1000	2000	3000
Span(mm)	LK	11500	11500	11500	9500	9500	9500
	L	12000	12000	12000	10000	10000	10000
height (mm)	H	808	878	948	1100	1200	1300
	h	335	335	335	365	365	365
Hanging(mm)	L1	470	470	525	585	645	705
	L2	100	100	100	250	250	250
Lifting Height(m)		1~6					

Pneumatic balancing cranes

Pneumatic Balance Crane - The Ideal Handling System

1. Definition of Pneumatic Balance Crane:

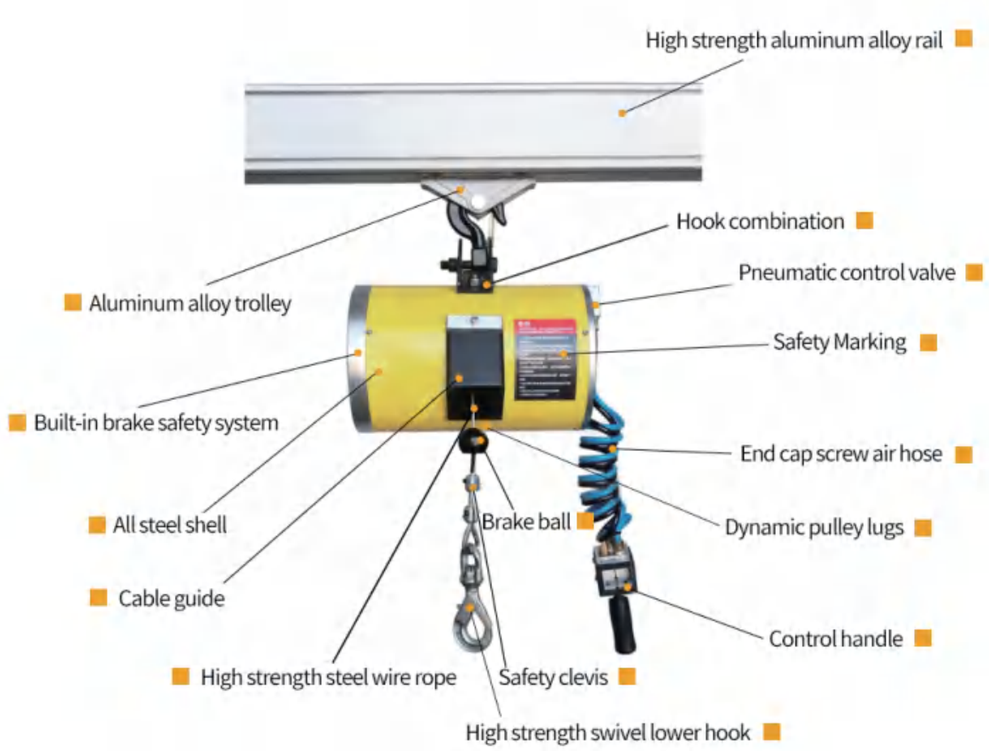
Pneumatic balance crane is a pneumatic assisted handling equipment that uses compressed air as a power source and balances the weight of the object and the pressure inside the cylinder through a transmission mechanism to achieve lifting and lowering movements of heavy objects.

2. Advantages of pneumatic balance crane compared with electric chain hoist:

- It has faster rising and descending speed, which is usually 2-6 times of the speed of electric hoist.
- It has the function of "floating", which can easily realize accurate positioning.
- Very high working system, can be 24 hours uninterrupted operation
- Adopting compressed air as power, no spark operation is safer.

  Relying on screw drive, it can rise and fall smoothly without jitter, and can change speed infinitely.

The standard rated working air pressure of pneumatic balance crane is 0.7Mpa(100psi)

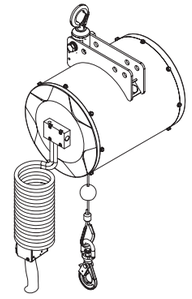


GASTON Series Pneumatic Balance Crane

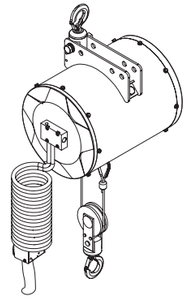
Pneumatic Balance Crane Performance

- Safety - Compressed air is used as power, no spark operation. With air break protection function, even if the air source is cut off suddenly, the heavy load will not fall. With overload protection function, it can not lift the weight that exceeds the rated load. Built-in centrifugal braking function prevents sudden and rapid rise caused by misoperation.
- Efficient-with fast rising and falling speed, the fastest can reach 1m/s. With infinitely variable speed function, the rising speed can be freely controlled according to the lifting weight.
- Precise-with self-adaptive "floating" function, when the parts are lifted, they are in the state of "no gravity", so it is easy to realize precise positioning and assisted assembly.
- Energy saving-Extremely low air consumption, the average air consumption per working cycle is about 0.21m/h, which is 1/50th of the air consumption of pneumatic hoists. clean and oil-free operation, can be used for a long time by pre-filling lubrication inside. Small size, no noise.

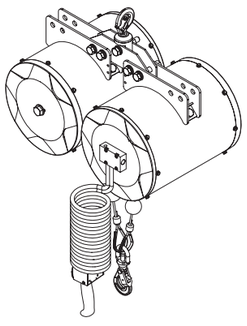
GASTON series pneumatic balancing crane model chart (lifting capacity: 60-1100KG)



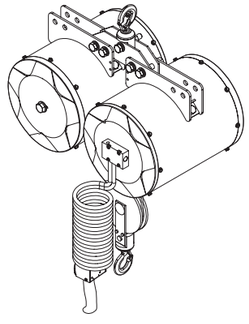
Single strand wire rope structure



Wrap-around sheave construction

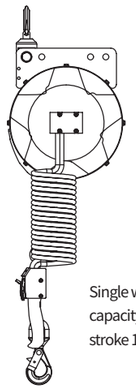


Parallel single strand steel wire rope structure

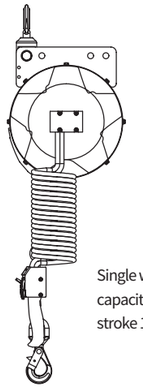


Parallel winding pulley structure

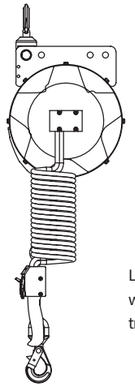
Tructural types of pneumatic balance crane products



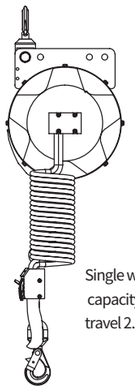
Single wire rope lifting
capacity 58kg
stroke 1.8m



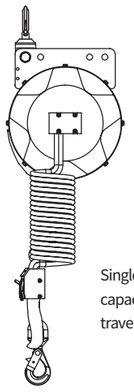
Single wire rope lifting
capacity 100kg
stroke 1.8m,2.6m



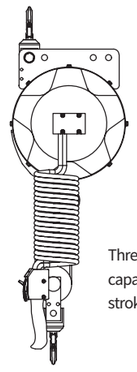
Lifting capacity of single
wire rope 158kg
traveling 2.0m



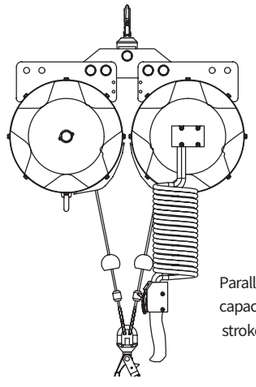
Single wire rope lifting
capacity 228kg
travel 2.0m



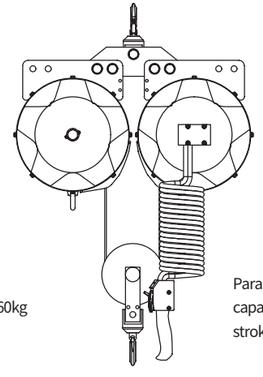
Single wire rope lifting
capacity 280kg
traveling 2.0m



Threaded wire rope lifting
capacity 316kg 450kg 560kg
stroke 1.0m



Parallel wire rope lifting
capacity 316kg 450kg 560kg
stroke 2.0m



Parallel rope lifting
capacity 600kg 900kg 1100kg
stroke 1.0m

Reference Table for Selection of Pneumatic Balance Crane

Example:GTB-160-20

Enterprise code	Product code	Lifting capacity	Winch Stroke	Suspension type
GT	B	160	18	W
GT=GASTON	Abbreviation of Balance Crane Gaston	160=160KG More Lifting Capacity	18=1800mm More itineraries	W=No hook type

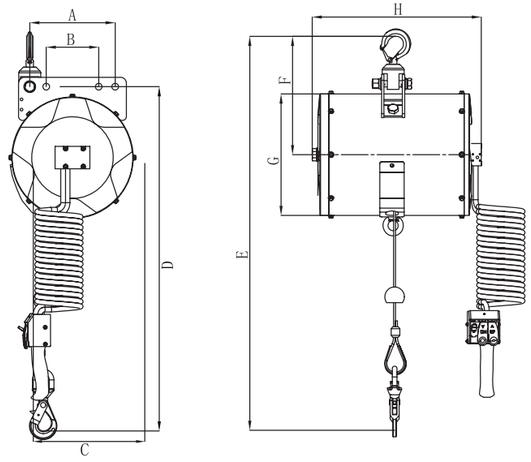
Pneumatic Balance Crane Selection Reference Table						
Model	Rated Load KG	Maximum Stroke mm	Air consumption m^3/h	Number of rope strands n	Maximum Rising Speed	Net weight kg
Single strand steel wire rope pneumatic balance crane						
GTB-60-18	60	1800	0.18	1	60	21
GTB-100-20	100	2000	0.2	1	35	27
GTB-100-28	100	2800	0.21	1	35	48
GTB-160-20	158	2000	0.21	1	25	48
GTB-225-20	225	2000	0.25	1	20	52
GTB-280-20	280	2000	0.3	1	15	65
Pneumatic balancing crane for wire rope with movable pulley						
GTB-DB316-20	316	1000	0.21	2	12	51
GTB-DB456-20	456	1000	0.25	2	10	56
GTB-DB560-20	560	1000	0.6	2	7	69
Pneumatic balancing crane with parallel wire rope						
GTB-DB316-20	316	2000	0.42	1	25	96
GTB-DB456-20	456	2000	0.5	1	20	106
GTB-DB560-20	560	2000	0.6	1	15	133
Pneumatic balancing crane with wire rope parallel to moving pulley						
GTB-MB630-20	630	1000	0.42	2	12	100
GTB-MB900-20	900	1000	0.5	2	10	110
GTB-MB1000-20	1100	1000	0.6	2	7	137

- The actual lifting capacity is mainly determined by the input pressure, and the actual lifting capacity decreases by 10% for every 0.1MPa decrease in input pressure.
- The maximum lifting weight is recommended to be about 90% of the rated load.
- If you have special requirements, please contact us.

Reference Table for Dimensions of Pneumatic Balance Crane

Pneumatic balancing crane with single wire rope								
Model	A	B	C	D	E	F	G	H
GTB-60-18	154	108	171	480	589	212	160	396
GTB-100-20	180	114	228	500	609	242	218	396
GTB-100-28	182	114	273	575	684	264	260	397
GTB-160-20	182	114	273	575	684	264	260	397
GTB-225-20	218	134	320	615	724	289	309	406
GTB-280-20	218	134	365	690	799	326	368	406

explain:
Basic type steel wire rope
Pneumatic balance crane

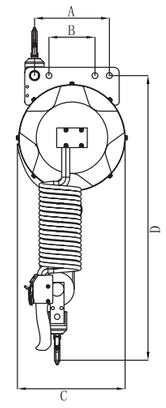


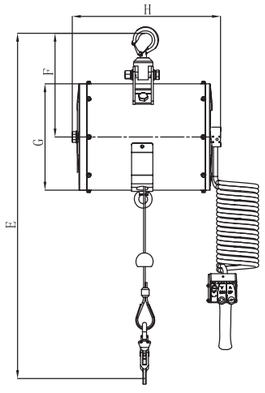
Performance:

- Standard 'floating' mode, up and down 400mm
- Built-in centrifugal brake
- Air break protection function
- Overload protection
- Infinitely variable speed function
- Adjustable button section function

Pneumatic balancing crane with wire rope and movable pulley								
Model	A	B	C	D	E	F	G	H
GTB-DB316-20	182	114	273	695	805	264	260	397
GTB-DB456-20	218	134	320	745	855	289	309	406
GTB-DB560-20	218	134	365	809	920	326	368	406

Description：Pneumatic balancing crane with movable pulley and steel wire rope





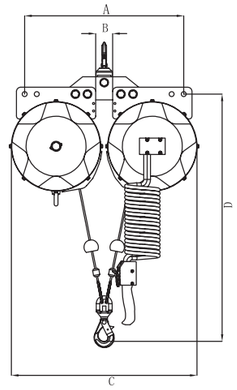
Performance:

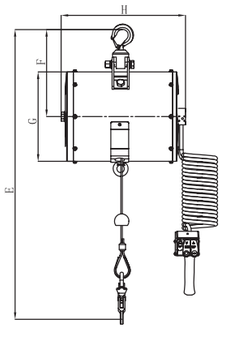
- Semi-“floating” mode, 200mm up and down.
- Built-in centrifugal brake
- Air break protection
- Overload protection
- Infinitely variable speed
- Adjustable push-button knuckle function

Pneumatic balancing size reference table

Pneumatic balancing crane with parallel wire rope								
Model	A	B	C	D	E	F	G	H
GTB-DB316-20	486	64	570	575	684	282	260	406
GTB-DB456-20	571	93	670	615	724	289	309	406
GTB-DB560-20	630	79	756	690	799	326	368	406

Explanation: The lifting weight of parallel wire rope pneumatic balancing crane is double that of single strand wire rope pneumatic balancing crane, and the travel has no influence.



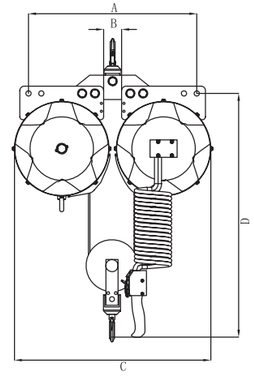


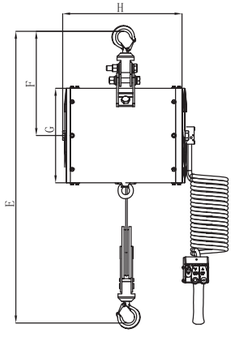
Performance:

- Standard “floating” mode, 400 mm up and down
- Built-in centrifugal brake
- Air break protection
- Overload protection
- Infinitely variable speed
- Adjustable button section function

Pneumatic balancing crane with wire rope and movable pulley								
Model	A	B	C	D	E	F	G	H
GTB-MB630-20	486	64	570	695	805	282	260	406
GTB-MB900-20	571	93	670	745	855	289	309	406
GTB-MB1000-20	630	79	756	809	920	326	368	406

explain:
In order to increase the rated load, some of the products are connected in parallel and increase the way of dynamic pulley, the lifting capacity is four times of the basic type.





Performance:

- Semi-floating mode, 200mm up and down.
- Built-in centrifugal brake
- Built-in centrifugal brake
- Overload protection function
- Infinitely variable speed
- Adjustable button section function

- The maximum lifting weight is recommended to be about 90% of the rated load.
- Please contact us if you have special requirements.

Optional accessories for pneumatic balancing cranes

Pressure Reducing Valve

Model	Connection specification	Maximum flow rate(L/min)	Pressure regulating range(Mpa)	Weight(Kg)
Three pieces: filter-regulator				
GTB-ECS-01	1/2#NPT	4000	0.1-0.8	1.9

Distribution Valve

Model	Connection specification	Number of tracheal interfaces	Tracheal diameter	Weight(Kg)
General series				
GTB-ECS-02	Rc1/4#	2	10	0.3

Parallel spiral air hose

Model	Tensile length(m)	Inside diameter/ outside diameter	Maximum use pressure(Mpa)	Weight(Kg)
General series				
GTB-ECS-03	9	6-10	1	0.5

Control handle

Model	Connection specification	Number of tracheal interfaces	Tracheal diameter	Weight(Kg)
General series				
GTB-ECS-04	Rc1/4#	2	10	1.7

Wire rope

Model	Name	Length (m)	Weight(Kg)
General series			
GTB-ECS-05	High-strength wire rope	4	0.5

Hook

Model	Name of Hook	Rated load(t)	Weight(Kg)
GTB-ECS-06	Universal Series G80	1.12	0.7

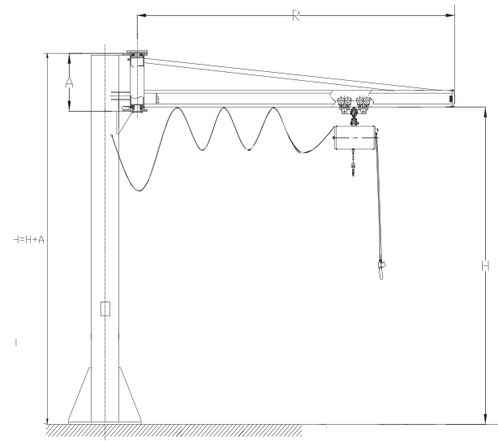
Jib Crane

Jib crane is a light duty crane, which is composed of column, slewing arm, slewing drive and hoist. With light weight, large span, movement, hoist in the cantilever for the left and right straight line operation, and lifting heavy objects.

1. Column jib crane

Vertical jib crane crane is a new generation of light lifting equipment made to adapt to modern production, with the high reliability of the pneumatic hoist or pneumatic balance crane, especially suitable for short distances, the use of frequent, intensive lifting operations, with high efficiency, energy-saving, trouble-free, small footprint, easy to operate and maintain and so on.

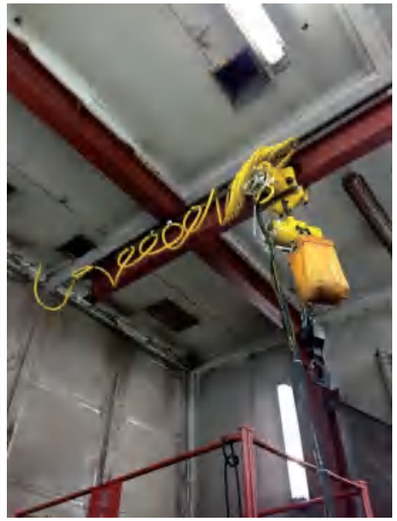
Technical advantages
Optional aluminum alloy cantilever or KBK / I-beam cantilever
Modular assembly,adjustable cantilever length
Rotation angle 0-360 degrees
Easy and fast installation



Parameter table of column type cantilever crane selection

Model	Rated lifting capacity(kg)	Slewing mode	Slewing radius R	Slewing axis A	Slewing angle	Lifting height H	Slewing mode	Cantilever material
GT-XB-0125	125	KBK-II	1500-5000	920	360°	2000-5000	Manual Slewing	Aluminum alloy/KBK
GT-XB-025	250	KBK-II	1500-5000	920	360°	2000-5000	Manual Slewing	Aluminum alloy/KBK
GT-XB-0500	500	KBK-II	1500-5000	920	360°	2000-5000	Manual Slewing	Aluminum alloy/KBK
GT-XB-1000	1000	KBK-II	1500-5000	920	360°	2000-5000	Manual Slewing	Aluminum alloy/KBK



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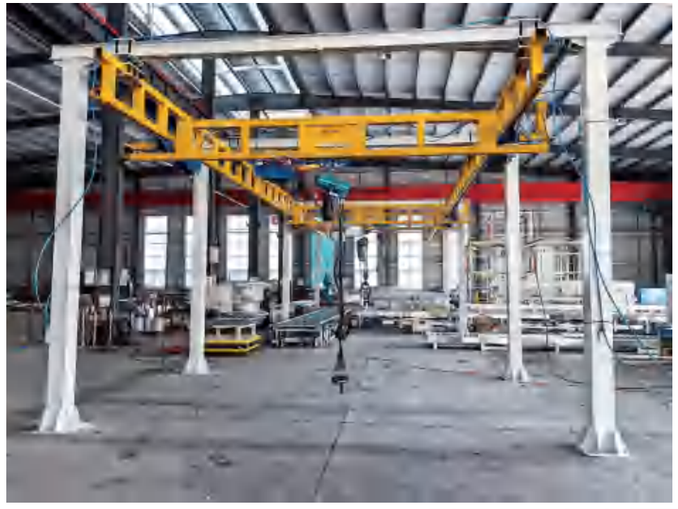


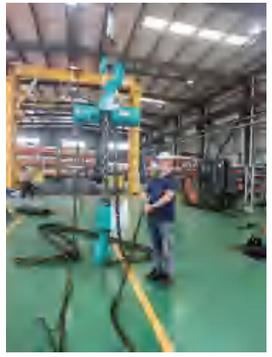


PRODUCT PHOTOGRAPH