

TXC series

Vacuum Gripper- Vacuum Pump Type

Features

- ◇ High strength and light weight due to high quality aluminum profile structure.
- ◇ Built-in large flow vacuum pump.
- ◇ Short respond time due to built-in large flow vacuum pump.
- ◇ Optional built-in non-return valve,suitable for handling of objects in different sizes
- ◇ Various types of adsorption surface are suitable for different industries
- ◇ Mainly used in sorting system for stacking and unstacking .



Application

- ◇ Intelligent warehousing
- ◇ Intelligent logistics
- ◇ Stacking and unstacking
- ◇ Unmanned automatic sorting

How to order

TXC 130×400 - A5 - V

① ② ③ ④

① Series	② Dimension	③ Adsorbing surface type	④ Non-return valve
TXC	130×400	A1 - Sponge with single-row hole	Nil - Without non-return valve
	130×600	A3 - Sponge with three-row hole	V - With non-return valve
	130×800	A5 - Sponge with five-row hole	
	130×1000	B30- Suction cup type (Suction cup dia.30mm)	
	130×1200	B40- Suction cup type (Suction cup dia.40mm)	
	130×1400	B55- Suction cup type (Suction cup dia.55mm)	

Selection

Specification	A1	A3	A5	B30	B40	B55
TXC130×400	○	○	●	○	●	○
TXC130×600	○	○	●	○	●	○
TXC130×800	○	○	●	○	●	○
TXC130×1000	○	○	●	○	●	○
TXC130×1200	○	○	●	○	●	○
TXC130×1400	○	○	●	○	●	○

◇ Note : "●"default, in stock; "○"-selective, no stock. "-"unavailable.

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Technical parameters

Model	Air supply pressure (bar)	Max.vacuum flow(NL/min)	Air consumption (NL/min)	Max.theoretical suction force (N)(-60 kPa)	Weight (kg)	Recommended hose diameter (mm)	Suction hole number
TXC130×400-A1	6.0	710	230	512	2.7	1× φ10	13
TXC130×600-A1	6.0	1,050	345	788	4.2	1× φ10	20
TXC130×800-A1	6.0	1,410	460	1,024	5.7	1×φ10	26
TXC130×1000-A1	6.0	1,760	575	1,301	7.2	2× φ10	33
TXC130×1200-A1	6.0	2,100	690	1,576	8.7	2× φ10	40
TXC130×1400-A1	6.0	2,460	805	1,812	10.2	2× φ10	46
TXC130×400-A3	6.0	710	230	344	2.7	1× φ10	65
TXC130×600-A3	6.0	1,050	345	519	4.2	1× φ10	98
TXC130×800-A3	6.0	1,410	460	694	5.7	1×φ10	131
TXC130×1000-A3	6.0	1,760	575	869	7.2	2×φ10	164
TXC130×1200-A3	6.0	2,100	690	1,044	8.7	2×φ10	197
TXC130×1400-A3	6.0	2,460	805	1,219	10.2	2× φ10	230
TXC130×400-A5	6.0	710	230	214	2.7	1×φ10	65
TXC130×600-A5	6.0	1,050	345	323	4.2	1×φ10	98
TXC130×800-A5	6.0	1,410	460	429	5.7	1×φ10	130
TXC130×1000-A5	6.0	1,760	575	544	7.2	2×φ10	165
TXC130×1200-A5	6.0	2,100	690	666	8.7	2×φ10	202
TXC130×1400-A5	6.0	2,460	805	759	10.2	2×φ10	230
TXC130×400-B30	6.0	710	230	588	3.9	1×φ10	28
TXC130×600-B30	6.0	1,050	345	903	5.5	1×φ10	43
TXC130×800-B30	6.0	1,410	460	1,155	7	1×φ10	55
TXC130×1000-B30	6.0	1,760	575	1,470	8.5	2×φ10	70
TXC130×1200-B30	6.0	2,100	690	1,785	10.3	2×φ10	85
TXC130×1400-B30	6.0	2,460	508	2,058	11.8	2×φ10	98
TXC130×400-B40	6.0	710	230	867	4.1	1×φ10	23
TXC130×600-B40	6.0	1,050	345	1,319	5.7	1×φ10	35
TXC130×800-B40	6.0	1,410	460	1,771	7.4	1×φ10	47
TXC130×1000-B40	6.0	1,760	575	2,224	8.9	2×φ10	59
TXC130×1200-B40	6.0	2,100	690	2,676	10.7	2×φ10	71
TXC130×1400-B40	6.0	2,460	805	3,129	12.3	2×φ10	83
TXC130×400-B55	6.0	710	230	504	3.7	1×φ10	12
TXC130×600-B55	6.0	1,050	345	756	5.2	1×φ10	18
TXC130×800-B55	6.0	1,410	460	1,008	6.3	1×φ10	24
TXC130×1000-B55	6.0	1,760	575	1,260	8.1	2×φ10	30
TXC130×1200-B55	6.0	2,100	690	1,512	9.7	2×φ10	36
TXC130×1400-B55	6.0	2,460	805	1,764	11.1	2×φ10	42

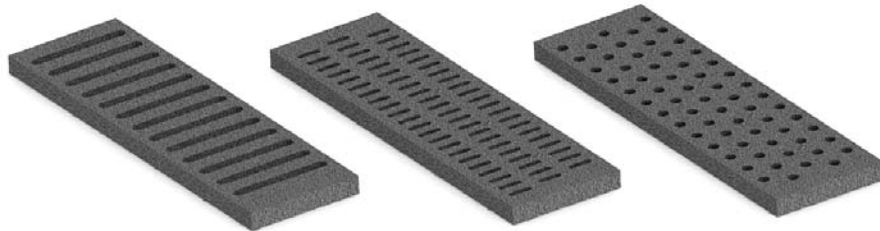
Note: Testing vacuum level -60kPa,the data of suction force as above are figured out in the condition that the vacuum gripper is full covered by a rigid airtight workpiece, and without including safety factor,working temperature -10~60°C

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Vacuum Gripper- Vacuum Pump Type

Specification of adsorbing surface(mm)

Sponge type



A1 sponge type

A3 sponge type

A5 sponge type

Sponge model/size	L(Length)	W(Width)	H(Thickness)
TXC400	434	130	20
TXC600	634	130	20
TXC800	834	130	20
TXC1000	1,034	130	20
TXC1200	1,234	130	20
TXC1400	1,434	130	20

◇ Note: Sponge are consumables. Please replace it in time according to actual conditions, otherwise it will affect the adsorption. Operating temperature: -10~60°C. Keep it away from corrosive liquids or gas such as strong acid and alkali, as well as sharp objects.

Specification of adsorbing surface(mm)

Suction cup type



B30 suction cup type

B40 suction cup type

B55 suction cup type

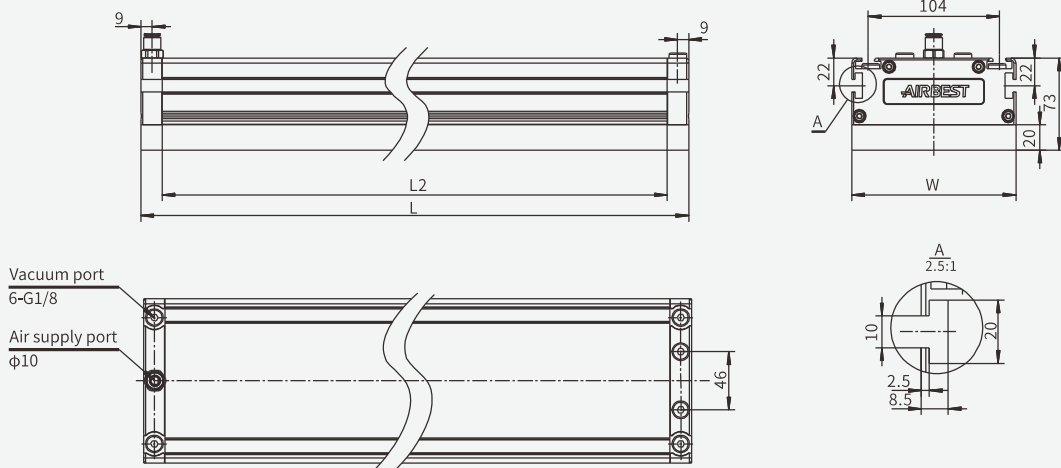
Suction cup	Diameter(mm)	Model
B30 suction cup type	φ30	SPC30S
B40 suction cup type	φ40	SPC40S
B55 suction cup type	φ55	SGP55UD

TXC series

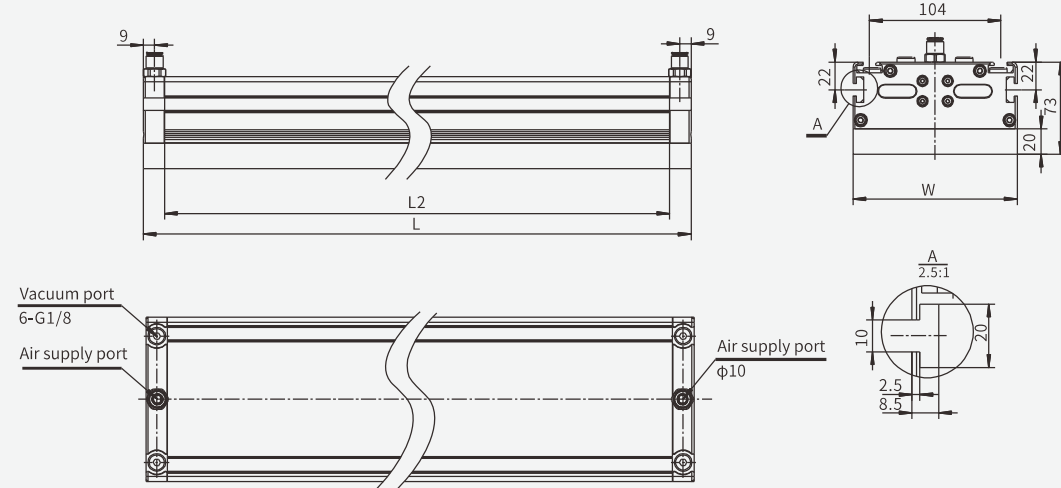
Vacuum Gripper- Vacuum Pump Type

Dimensions (Sponge type)

TXC130×400/600/800



TXC130×1000/1200/1400



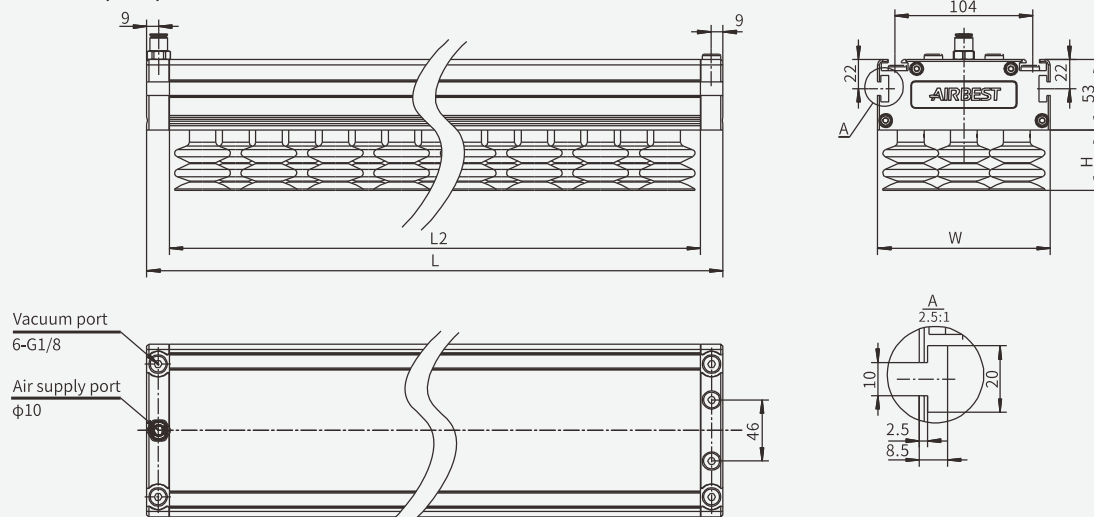
Model/Size	L	L2	W
TXC130×400	434	400	130
TXC130×600	634	600	130
TXC130×800	834	800	130
TXC130×1000	1,034	1,000	130
TXC130×1200	1,234	1,200	130
TXC130×1400	1,434	1,400	130

TXC series

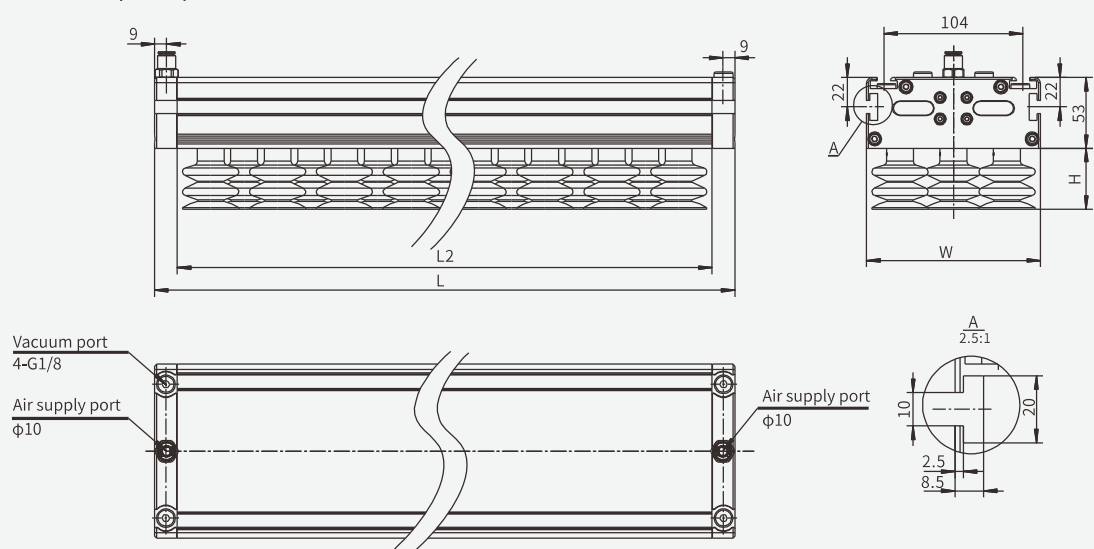
Vacuum Gripper- Vacuum Pump Type

Dimensions (Suction cup type)

TXC130×400/600/800



TXC130×1000/1200/1400



Model/Size	L	L2	W	H		
				B30	B40	B55
TXC130×400	434	400	130	37	45	38
TXC130×600	634	600	130	37	45	38
TXC130×800	834	800	130	37	45	38
TXC130×1000	1,034	1,000	130	37	45	38
TXC130×1200	1,234	1,200	130	37	45	38
TXC130×1400	1,434	1,400	130	37	45	38