

TXD Series

Vacuum Gripper-Light Load Type

AIRBEST



PACKAGING

Features

- ◇ The housing is made of high quality aluminum alloy
- ◇ With built-in large flow vacuum generator
- ◇ Suction cup adsorption surface type, with built-in throttling function
- ◇ Sponge adsorption surface type, with large area structure of inner cavity

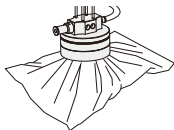
Advantages

- ◇ High strength and light weight
- ◇ Fast reaction time
- ◇ The inner cavity is large enough to handle the workpiece with obvious height difference on the surface



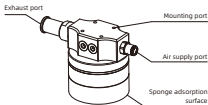
Applications

- ◇ Suction cup type is used to handle light and small sensitive workpieces, such as electronics, glass screen and electronic components, etc.
- ◇ Suction cup type is with built-in throttling function, which can be used to handle workpieces with leakage
- ◇ Sponge type is used for sorting and packing in packaging industry



Structure

- ◇ Vacuum source has flow type and vacuum type
- ◇ The adsorption surface has two structures: round and square
- ◇ Air supply port is equipped with $\phi 8$ one-touch fitting, which can be directly connected to the hose. There is a vacuum port on the side. The exhaust way is direct exhaust.



Vacuum gripper

TXN

TXD

TXC

TXH

TXM

TXP

TXH

TXL

TXD Series

Vacuum Gripper-Light Load Type

AIRBEST

How to order

TXD 80 S - H

① ② ③ ④

| ① Series | ② Dimension | ③ Adsorption surface type | ④ Vacuum source type |
|----------|-------------|---------------------------|------------------------------|
| TXD | 80 | R | - Square sponge |
| | 100 | S | - Round sponge |
| | 120 | B3N/B5N/B7N | - Round NBR suction cup |
| | | B3WS/B5WS/B7WS | - Round silicone suction cup |

Selection-Sponge type

| Model/adsorption surface type | R - Square sponge | | S - Round sponge | |
|-------------------------------|-------------------|-----------|------------------|-----------|
| TXD80□-□ | TXD80R-H | TXD80R-L | TXD80S-H | TXD80S-L |
| TXD100□-□ | TXD100R-H | TXD100R-L | TXD100S-H | TXD100S-L |
| TXD120□-□ | TXD120R-H | TXD120R-L | TXD120S-H | TXD120S-L |

Selection-suction cup type

| Model/suction cup material | NII-NBR | | WS-White silicone | |
|----------------------------|------------|------------|-------------------|-------------|
| TXD80B3□-□ | TXD80B3N-H | TXD80B3N-L | TXD80B3WS-H | TXD80B3WS-L |
| TXD80B5□-□ | TXD80B5N-H | TXD80B5N-L | TXD80B5WS-H | TXD80B5WS-L |
| TXD80B7□-□ | TXD80B7N-H | TXD80B7N-L | TXD80B7WS-H | TXD80B7WS-L |

Technical parameters

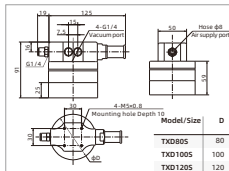
| Model | Rated air supply pressure bar | Max.vacuum level -kPa | Max.vacuum flow NL/min | Air consumption NL/min | Weight kg | Recommended hose dia. (mm) Air supply port P |
|-----------|-------------------------------|-----------------------|------------------------|------------------------|-----------|---|
| TXD80R-L | 6.0 | 75 | 180 | 120 | 0.55 | φ8 |
| TXD80R-H | 5.0 | 95 | 170 | 125 | 0.55 | φ8 |
| TXD80S-L | 6.0 | 75 | 180 | 120 | 0.5 | φ8 |
| TXD80S-H | 5.0 | 95 | 170 | 125 | 0.5 | φ8 |
| TXD80B-L | 6.0 | 75 | 180 | 120 | 0.65 | φ8 |
| TXD80B-H | 5.0 | 95 | 170 | 125 | 0.7 | φ8 |
| TXD100R-L | 6.0 | 75 | 180 | 120 | 0.65 | φ8 |
| TXD100R-H | 5.0 | 95 | 170 | 125 | 0.65 | φ8 |
| TXD100S-L | 6.0 | 75 | 180 | 120 | 0.6 | φ8 |
| TXD100S-H | 5.0 | 95 | 170 | 125 | 0.6 | φ8 |
| TXD120R-L | 6.0 | 75 | 180 | 120 | 0.73 | φ8 |
| TXD120R-H | 5.0 | 95 | 170 | 125 | 0.73 | φ8 |
| TXD120S-L | 6.0 | 75 | 180 | 120 | 0.8 | φ8 |
| TXD120S-H | 5.0 | 95 | 170 | 125 | 0.8 | φ8 |

TXD Series

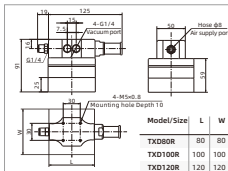
Vacuum Gripper-Light Load Type

AIRBEST

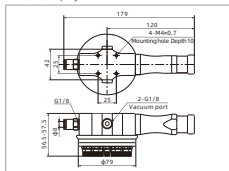
Dimensions(mm)



TXD□S - Round sponge



TXD□R - Square sponge



TXD80B - Round suction cup

Spare parts selection

| Item | Adsorption surface model | Adsorption surface dimension mm | Applicable gripper model |
|---------------|--------------------------|---------------------------------|--------------------------|
| TXD80R Spone | TXD80RA | 80×80×25 | TXD80R-H, TXD80R-L |
| TXD80S Spone | TXD80SA | φ80×25 | TXD80S-H, TXD80S-L |
| TXD100R Spone | TXD100RA | 100×100×25 | TXD100R-H, TXD100R-L |
| TXD100S Spone | TXD100SA | φ100×25 | TXD100S-H, TXD100S-L |
| TXD120R Spone | TXD120RA | 120×120×25 | TXD120R-H, TXD120R-L |
| TXD120S Spone | TXD120SA | φ120×25 | TXD120S-H, TXD120S-L |

Vacuum gripper

TXN

TXD

TXC

TXM

TXP

TXH

TXL