

# Pneumatic Needle Gripper(Series GN)

Being used for embedding and taking out nonwoven fabric, net cloth and sponge.The length of the steel needle can be not only adjustable,but also customized according to the requirements of the customer.

## Technical Parameters

| Pressure range | Temperature range | Opening total gripping force at 6 bar | Needle stroke s | Cycle air consumption |
|----------------|-------------------|---------------------------------------|-----------------|-----------------------|
| 3 ~ 8 bar      | -10° ~ 70 °C.     | 90 N                                  | 0 ~ 10 mm       | 3.5 cm³               |



GN2010-8S51  
8 Pins



GN2010-S51  
4 Pins



GN2010-S21  
4 Pins



GN2010  
4 Pins



GN2010-8  
8 Pins



GN3003-4  
4 Pins

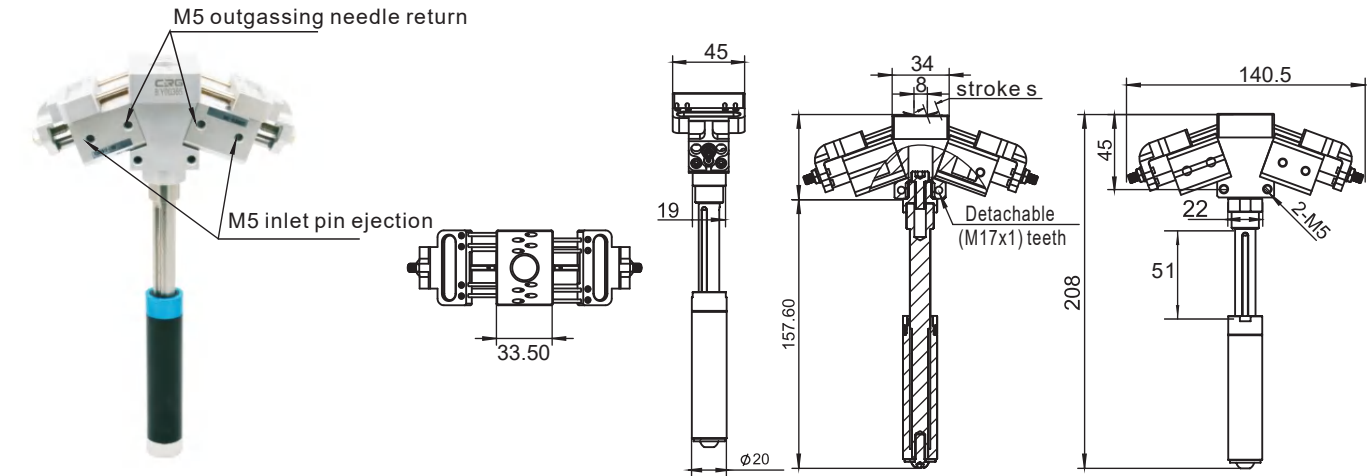


GN3003-4-15  
4 Pins

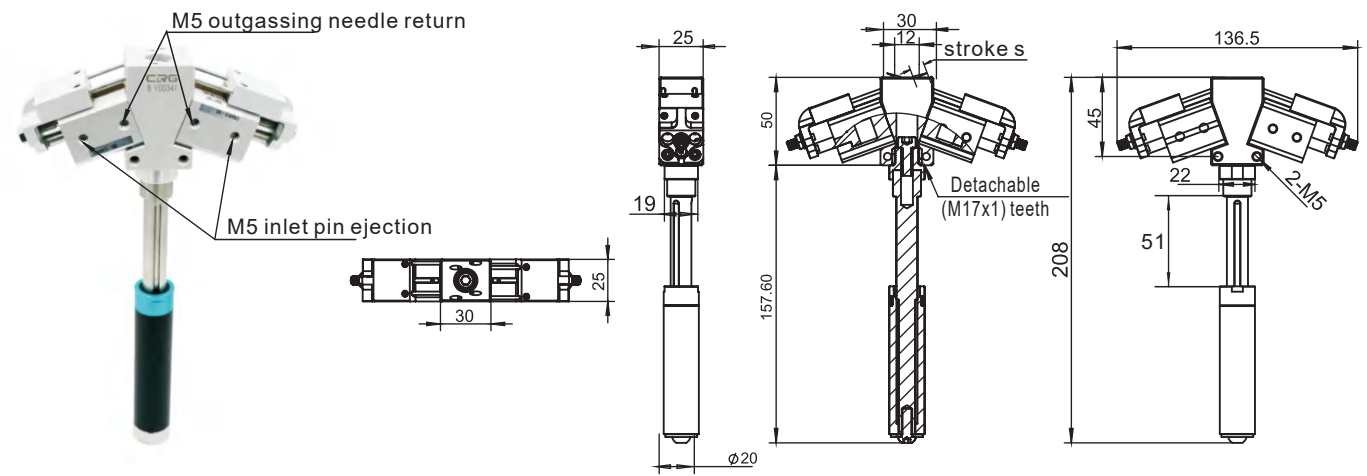


GN2002-32  
32 Pins

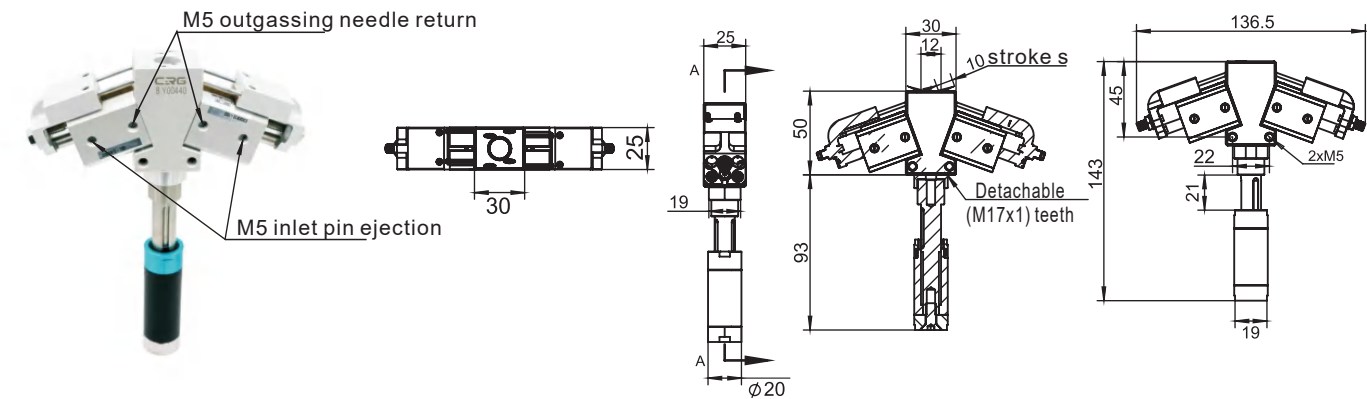
## GN2010-8S51 8 Pins



## GN2010-S51 4 Pins



## GN2010-S21 4 Pins

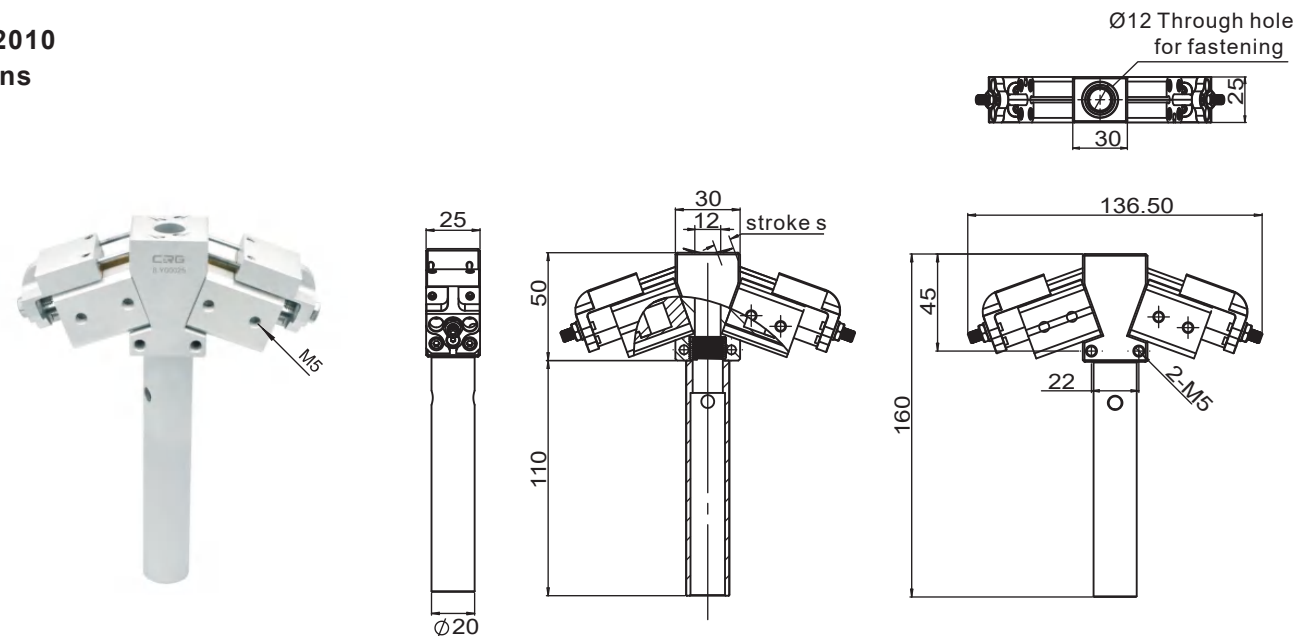


| PN     | 8.Y00341   | 8.Y00440   | 8.Y00385    |
|--------|------------|------------|-------------|
| Model  | GN2010-S51 | GN2010-S21 | GN2010-8S51 |
| Weight | 240g       | 220g       | 480g        |

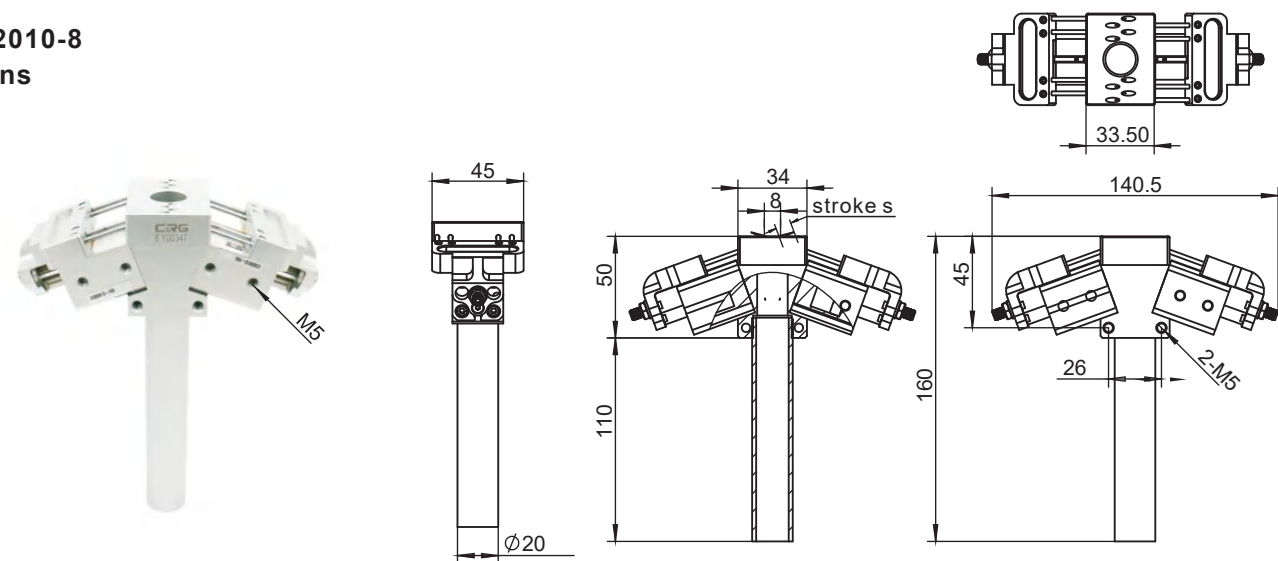
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### GN2010 4 Pins



### GN2010-8 8 Pins

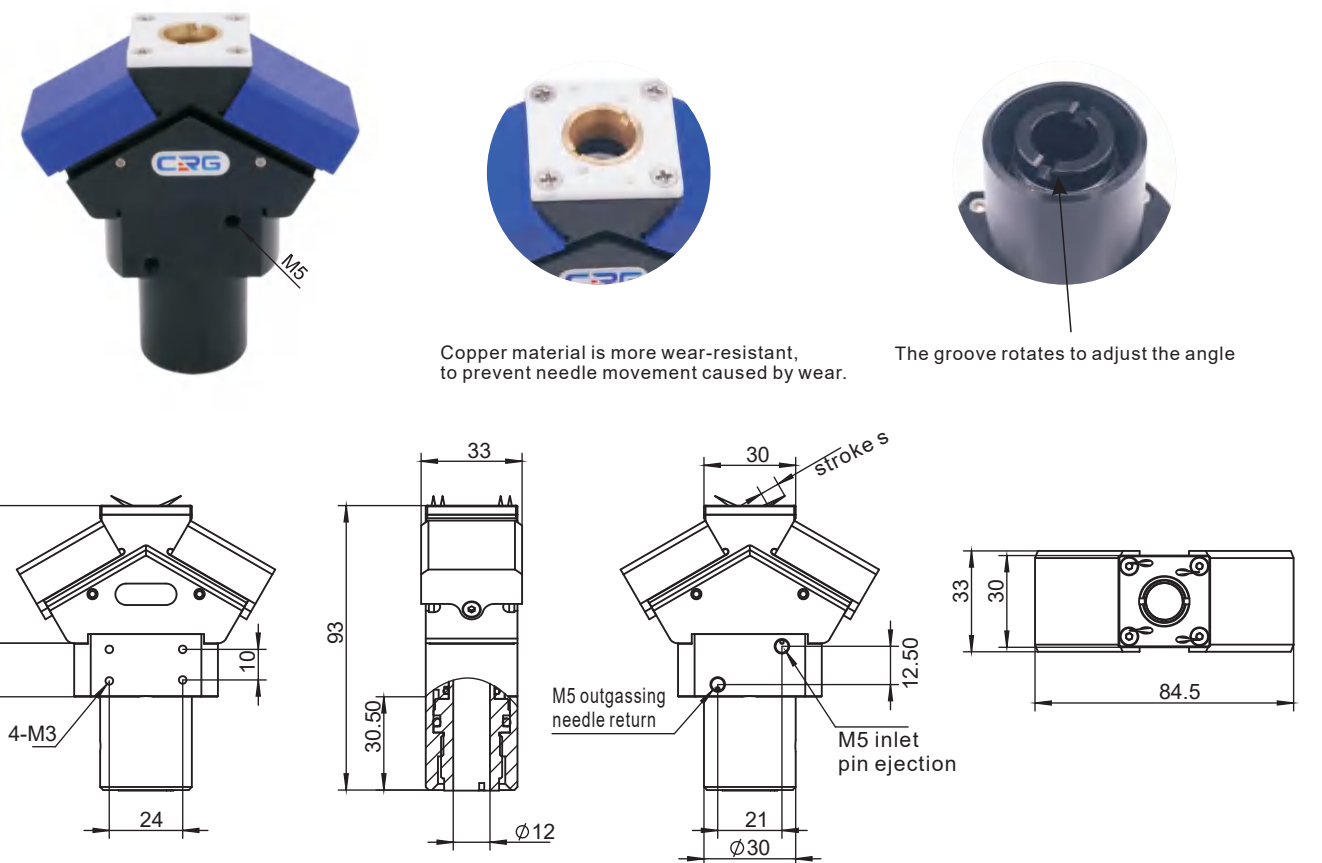


| PN     | 8.Y00025 | 8.Y00347 |
|--------|----------|----------|
| Model  | GN2010   | GN2010-8 |
| Weight | 274g     | 317g     |

## Pneumatic Needle Gripper(Series GN)

Small needle insertion depth is shallow  
Can quickly release, transport thin breathable workpiece,  
Can adjust the needle stroke,  
Processing difficult to vacuum adsorption of materials,  
such as composite textiles, wool, filters, woven glass or carbon fiber,  
woven aramid, foam, etc.

### GN3003-4 4 Pins



| PN     | 8.Y01005 |
|--------|----------|
| Model  | GN3003-4 |
| Weight | 188g     |

## Pneumatic Needle Gripper(Series GN)

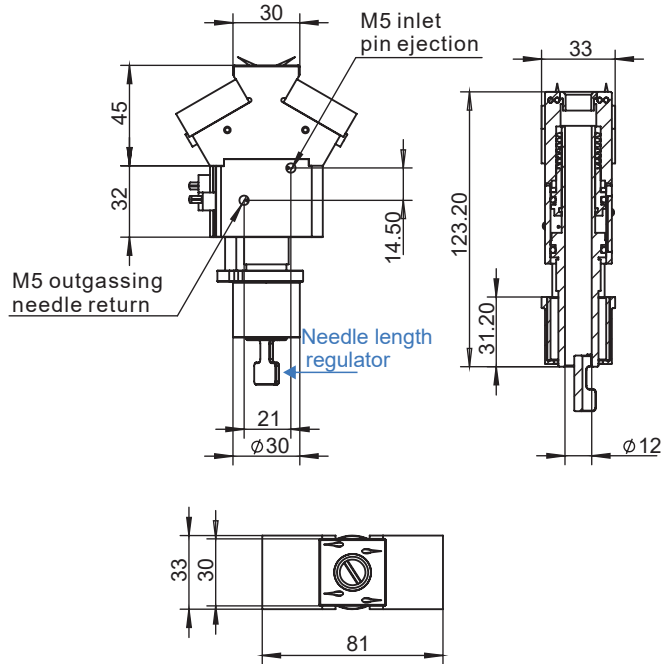
Small needle insertion depth is shallow  
Can quickly release, transport thin breathable workpiece  
Can adjust the needle stroke  
Processing difficult to vacuum adsorption of materials  
such as composite textiles, wool, filters, woven glass or carbon fiber  
woven aramid, foam, etc.  
The position of the sensor can be adjusted to detect whether the  
buffer is in place or not.  
The closed-loop function can be realized in automatic production.

**GN3003-4-15**  
**4 Pins**

**NEW**



|        |             |
|--------|-------------|
| PN     | 8.Y01082    |
| Model  | GN3003-4-15 |
| Weight | 259g        |



### Technical Parameters

| Spring force | Fixed locking force | Needle stroke s | Buffer trip |
|--------------|---------------------|-----------------|-------------|
| 18.7N        | 8.2N.m              | 0 ~ 10 mm       | 0~15mm      |

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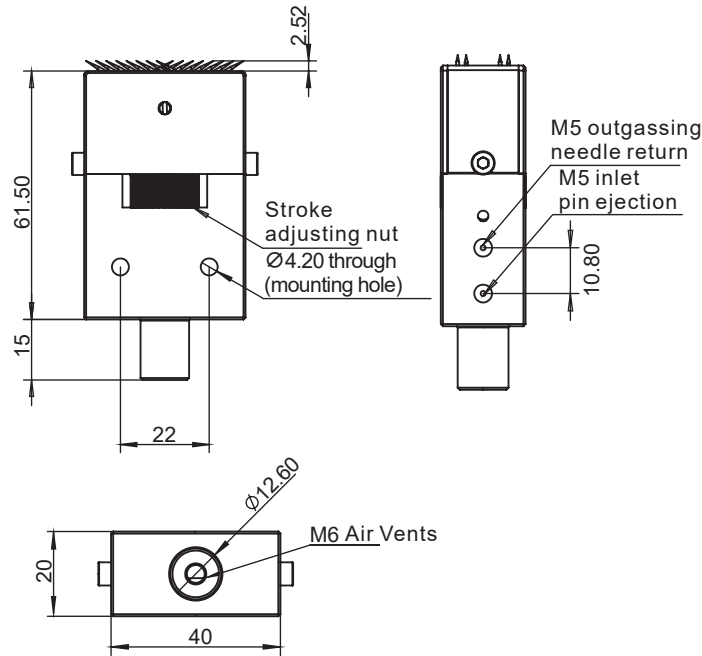
**GN2002-32**  
**32 Pins**

**NEW**



The Needles can be changed row by row

|        |           |
|--------|-----------|
| PN     | 8.Y01035  |
| Model  | GN2002-32 |
| Weight | 110g      |



### Technical Parameters

| Number of steel needles | Needle diameter | Working pressure | Operating temperature | stroke |
|-------------------------|-----------------|------------------|-----------------------|--------|
| 32                      | 0.7mm           | 3~6Bar           | 5-60°C                | 2mm    |