



MNG-V needle gripper

Number of steel needles:10

Needle stroke:0~14mm



Composite material



Textile

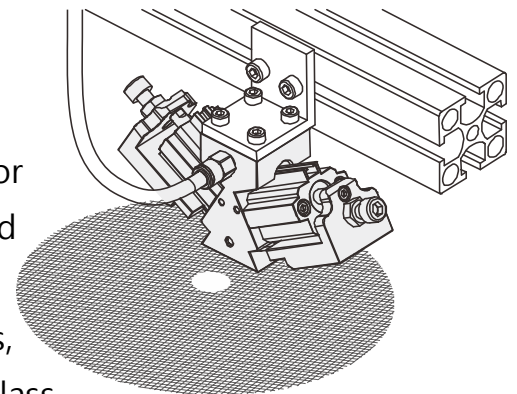


Introduction

- Grips workpieces with steel needles
- Double cylinders to control the sticking out and retraction of needles
- Crossed needles, adjustable Stoke of steel needles, less effective contact area
- Handles small workpieces
- Easily-controlled pneumatic valve
- Short operating cycle, faster processing
- Handles long thin workpieces or workpieces in different shapes
- Prevents workpiece falling during power-down
- Workpiece thickness, size and shape set respectively
- Securely suctions highly breathable workpieces that can hardly be handled via a vacuum

Application

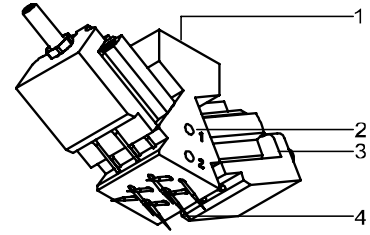
- Steel needles with a plurality of diameters; fixed or adjustable needle stroke; used to handle non-rigid and flexible porous materials that can hardly be picked up via a vacuum, such as composite fibers, down woven articles, filtering materials, woven glass fibers or carbon fibers, thermal insulation and foam materials, etc.





Structure

- (1) Main body
- (2) Compressed air inlet control needle sticking out
- (3) Compressed air inlet control needle retracted
- (4) Steel needle



purchase guide

MNG-V 10 1.2 V-HT 7

- ①
- ②
- ③
- ④
- ⑤

① Product series	② Number of steel needles	③ Steel needle diameter	④ Additional function	⑤ Adjustable Stoke
MNG-V	10	1.2 - ϕ 1.2mm 4.0 - ϕ 4.0mm	V - Ordinary steel needle V-HT - Stainless steel needle	7mm 14mm

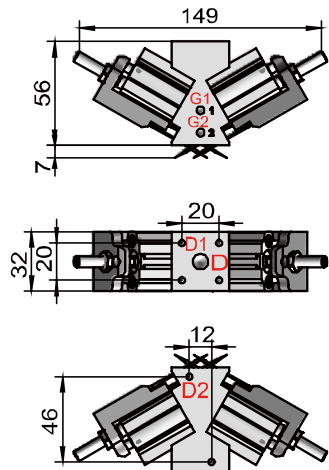
Note: The adjustable Stoke of 1.2mm steel needle is 7mm; 4.0mm steel needle 14mm. Only the V-HT stainless steel needle can be selected.

Technical parameters

Model	Number of steel needles	Steel needle diameter mm	Additional function	Operating pressure bar	Operating temperature °C	Weight g	Stoke mm
MNG-V 10 1.2...	10	1.2	Adjustable Stoke	3.0...7.0	5...60	265	7
MNG-V 10 4.0...	10	4.0		3.0...7.0	5...60	1050	14

Design parameters

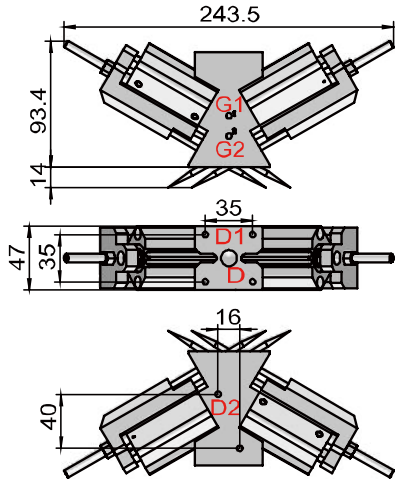
MNG-V 10 1.2...



- G1: Compressed air inlet (M5)
- G2: Compressed air inlet (M5)
- D1: Mounting hole (G1/8)
- D1: Mounting hole (M4)
- D2: Mounting hole (M4)

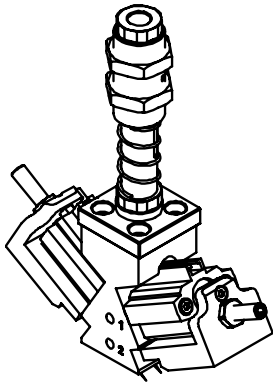


MNG-V 10 4.0...

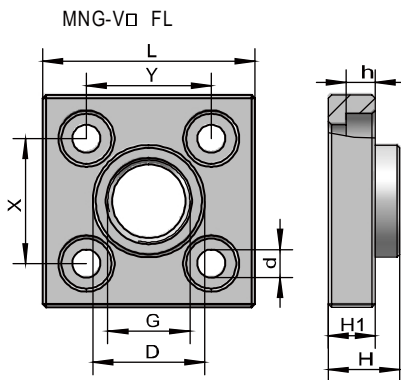


- G1: Compressed air inlet (M5)
- G2: Compressed air inlet (M5)
- D1: Mounting hole (G1/4)
- D1: Mounting hole (M5)
- D2: Mounting hole (M5)

installation illustration



Model specifications of fittings



Model	Size (mm)								
	L	X	Y	H	H1	h	D	d	G
MNG-V 1.2 FL	34	20	20	11.5	7.5	4.6	18	4.5	G1/8
MNG-V 4.0 FL	50	35	35	14	10	5.7	24	5.5	G3/8

Recommended buffer plunger specifications

Name	Model
Buffer plunger	MTE G1/4-AG□-VG
	MTE G3/8-AG□-VG