

## >ASS< Needle Grippers

- Available with 18 or 24 needles.
- Needle depth is adjustable between 0–2mm in 0.025mm increments.
- Single acting
- Air blow-off port
- Optional sensor for needle position.
- The NGR-16-18EZ has thinner needles (0.7mm) and includes a cover for thin and limp materials.



Needle depth is adjustable between 0–2mm in 0.025mm increments.



NGR-16-18EZ shown with cover.

### Adjustable Needle Gripper

Quick#	Part#	>ASS< #	Price	Needle Depth	Air Connection	Wt.
3596	NGR-16-18E	1-460-18-00	\$547.00	(18x) 1.5–2.7mm	M5	230g
3629	NGR-16-24E	1-460-24-00	\$547.00	(24x) 1.5–2.7mm	M5	250g
3767	NGR-16-18EZ	1-460-19-00	\$577.50	(18x) 0–1.75mm*	M5	255g
<b>Replacement Needles for 18 pin</b> - Sold with 2 locators, each with 9 needles						
3825	NEEDLE-NGR-16	1-460-18-20	\$194.50			
<b>Optional Sensor</b>						
3809	MFS-T2-3-7	1-808-30-00	\$69.00	C-Slot with 3m Lead & M8 Connection		

\*Note: Measurement with additional cover attached.

- Suitable for textile, cloth, carpet or any other material that can be penetrated.
- Through hole allows placement of cloth onto locating pins.
- New lightweight selective laser sintering version 30% lighter than aluminum body.
- Independent needle positioning and tandem stroke adjustment for fine tuning.
- Each cylinder is double acting.



### Through Hole Needle Gripper

Quick#	Part#	>ASS< #	Price	Body Style	Needle Depth	Air Connection	Wt.
3542	NGR-12-D	1-460-09-00	\$410.00	Aluminum	0–2.5mm	M5	249.2g
3540	NGR-12-DL	1-460-12-00	\$572.50	Laser Sintered	0–2.5mm	M5	160g
<b>50mm Replacement Needles</b> - (1 piece)							
3445	NEEDLE-50	1-460-03-06	\$5.00				

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