&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.

Adjustable Needle Gripper

<table>
<thead>
<tr>
<th>Quick#</th>
<th>Part#</th>
<th>&gt;ASS&lt; #</th>
<th>Price</th>
<th>Needle Depth</th>
<th>Air Connection</th>
<th>Wt.</th>
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<tbody>
<tr>
<td>3596</td>
<td>NGR-16-18E</td>
<td>1-460-18-00</td>
<td>$547.00</td>
<td>(18x) 1.5–2.7mm</td>
<td>M5</td>
<td>230g</td>
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<td>NGR-16-24E</td>
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<td>250g</td>
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<td>NGR-16-18EZ</td>
<td>1-460-19-00</td>
<td>$577.50</td>
<td>(18x) 0–1.75mm*</td>
<td>M5</td>
<td>255g</td>
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</tbody>
</table>

Replacement Needles for 18 pin - Sold with 2 locators, each with 9 needles

- 3825 NEEDLE-NGR-16 1-460-18-20 $194.50

Optional Sensor

- 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

<table>
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<tr>
<th>Quick#</th>
<th>Part#</th>
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<th>Price</th>
<th>Body Style</th>
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<th>Air Connection</th>
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<td>3542</td>
<td>NGR-12-D</td>
<td>1-460-09-00</td>
<td>$410.00</td>
<td>Aluminum</td>
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<td>NGR-12-DL</td>
<td>1-460-12-00</td>
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<td>Laser Sintered</td>
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<td>M5</td>
<td>160g</td>
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50mm Replacement Needles - (1 piece)

- 3445 NEEDLE-50 1-460-03-06 $5.00

Visit www.EMICorp.com for dimensional drawings