

Bullet and Mini-Wave Solder Nozzles

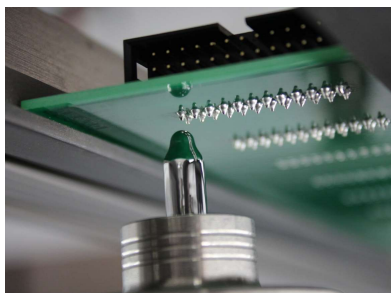
Quick Change Magnetically Coupled Solder Nozzles

Features and Benefits

- Magnetically coupled nozzles allow for rapid changeover between various sizes with minimal interruption to production
- Tin-lead and lead-free solder nozz
- les are marked to avoid confusion during operation
- Bullet nozzles are available in 3-25 mm (0.118-1.00 in.) sizes and mini-wave nozzles are available in 4-25 mm (0.157-1.00 in.) sizes
- Bullet and mini-wave solder nozzles can be ordered separately as required or can be ordered in complete sets
- Custom sizes of both bullet and mini-wave solder nozzles are available upon request

Overview. Bullet solder nozzles are the most commonly used type of solder nozzle and have the advantage of being able to approach a solder site from any direction. Mini-wave solder nozzles have directional flow for soldering multi-row connectors.

Most round solder nozzles have minimal solder head height limiting the pin lengths that can be soldered. Nordson SELECT bullet nozzles are specially designed with a radial groove to establish backpressure raising the solder height an additional 50% allowing for soldering of longer length pins.



Bullet solder nozzle with greater solder height



3-25 mm bullet solder nozzles



4-25 mm mini-wave solder nozzles

Integrated Solution. The Bullet and Mini-Wave Solder Nozzles are fully compatible with all Nordson SELECT machines and ensure optimum results for your selective soldering process. Nordson SELECT's closed-loop process controls enable successful results for a full range of soldering applications and ensures stable and repeatable results for high-yield production.

Experience. With over a decade of selective soldering experience and more than a thousand systems currently in production, Nordson SELECT is committed to providing innovative solutions for all selective soldering needs. Our global support network, including state-of-the-art application development labs, provides customers with world-class know-how and application expertise.

Bullet and Mini-Wave Solder Nozzles

Bullet Solder Nozzle and Cap Sets

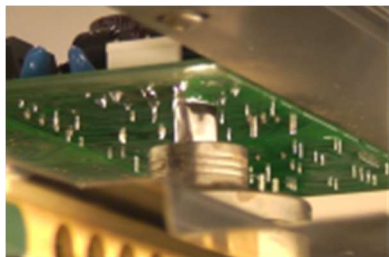
Outside Diameter	Inside Diameter	Tin-Lead P/N	Lead-Free P/N *
3 mm (0.118 in.)	1.7 mm (0.067 in.)	B-3	B-3-LF
4.5 mm (0.177 in.)	1.98 mm (0.078 in.)	B-4.5	B-4.5-LF
6 mm (0.236 in.)	2.36 mm (0.093 in.)	B-6	B-6-LF
9 mm (0.354 in.)	4.75 mm (0.188 in.)	B-9	B-9-LF
12 mm (0.472 in.)	7.92 mm (0.312 in.)	B-12	B-12-LF
18 mm (0.708 in.)	12.7 mm (0.500 in.)	B-18	B-18-LF
25 mm (1.00 in.)	19.0 mm (0.748 in.)	B-25	B-25-LF

* - Lead-free bullet nozzles are marked with three rings for easy identification

Mini-Wave Solder Nozzle and Cap Sets

Mini-Wave Width	Tin-Lead P/N	Lead-Free P/N *
4 mm (0.157 in.)	W-4	W-4-LF
8 mm (0.315 in.)	W-8	W-8-LF
12 mm (0.472 in.)	W-12	W-12-LF
18 mm (0.708 in.)	W-18	W-18-LF
25 mm (1.00 in.)	W-25	W-25-LF

* - Lead-free mini-wave nozzles are marked with three dots for easy identification



Mini-wave nozzle with directional solder flow

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your local representative or
contact your regional office.

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