

## Dispensing Needles / Syringe Tips (Luer Lock)

### Product Highlights

Industrial dispensing tips in Straight Stainless Steel (0.25", 0.5", 1.0", 1.5", 2.0" length), 45 Degree Bent Stainless Steel, Conical Plastic Tapered Tip (TT) (1.25" and 60mm lengths), 30 Degree Bent Conical Plastic Tapered Tip (TT), Brush Tip (4mm and 10mm flat, 5mm and 8mm round), Polytetrafluoroethylene (PTFE), Polypropylene (PP), Solid Stainless steel, ESD Black Plastic Conical Tapered Tip (TT), and Flat Stainless Steel.

Excellent for dot dispensing and line dispensing of flux, solder paste, and other fluids.

Fits most standard syringes, including 5cc, 10cc, and 30cc.

Fits all Chip Quik® flux and solder paste syringes (Search Chip Quik® base part numbers for flux and solder paste: SMD291, SMD4300, SMDLTLFP and TS391).

### Notes

Tip colors may vary. Counted by weight.

Base part number default pack size is qty 100. Extend part number with "-QTY10" for 10 packs or "-QTY1000" for 1000 packs.

Except for Solid Stainless Steel which has default pack size of qty 12, Flat Stainless Steel which are sold in 10 packs, and Brush Tips which are packaged individually.

### Specifications and Orderable Part Numbers

| Gauge     | Color                      | Tapered Tip Dimensions |         | Straight Stainless Steel (1/2" needle length) | Conical Plastic (Tapered Tip) (1.25" total length) |
|-----------|----------------------------|------------------------|---------|---|--|
|           |                            | ID (mm)                | OD (mm) |   |  |
| 8         | Transparent Purple         | 3.40                   | 4.10    |   | SMDC-8G  |
| 10        | Pale Green                 | 3.00                   | 3.80    |   | SMDC-10G   |
| 11        | Light Orange               | 2.50                   | 3.20    |   | SMDC-11G   |
| 12        | Dark Blue / Brick Red      | 2.34                   | 3.00    | SMDN-12G                                      |  |
| 13        | Dark Red / Light Blue      | 2.00                   | 2.70    | SMDN-13G                                      | SMDC-13G   |
| 14        | Dark Green / Olive         | 1.60                   | 1.84    | SMDN-14G                                      | SMDC-14G   |
| 15        | Amber                      | 1.36                   | 1.70    |   | SMDC-15G   |
| 16        | Dark Grey / Black          | 1.19                   | 1.64    | SMDN-16G                                      | SMDC-16G   |
| 17        | Light Brown                | 1.00                   | 1.47    |   |  |
| 18        | Green                      | 0.84                   | 1.27    | SMDN-18G                                      | SMDC-18G   |
| 19        | Coffee / Brown / Black     | 0.69                   | 1.07    | SMDN-19G                                      |  |
| 20        | Pink / Dark Grey           | 0.58                   | 0.91    | SMDN-20G                                      | SMDC-20G   |
| 21        | Purple                     | 0.51                   | 0.82    | SMDN-21G                                      |  |
| 22        | Blue                       | 0.41                   | 0.72    | SMDN-22G                                      | SMDC-22G   |
| 23        | Orange / Dark Orange       | 0.34                   | 0.64    | SMDN-23G                                      | SMDC-23G   |
| 24        | Bright Red                 | 0.30                   | 0.55    |   |  |
| 25        | Red / Pink                 | 0.25                   | 0.51    | SMDN-25G                                      | SMDC-25G   |
| 26        | Beige / Transparent Orange | 0.23                   | 0.46    | SMDN-26G                                      | SMDC-26G   |
| 27        | Transparent / Red          | 0.20                   | 0.41    | SMDN-27G                                      | SMDC-27G   |
| 28        | White                      | 0.18                   | 0.35    | SMDN-28G                                      |  |
| 30        | Light Purple / Black       | 0.16                   | 0.31    | SMDN-30G                                      | SMDC-30G   |
| 32        | Yellow                     | 0.12                   | 0.31    | SMDN-32G                                      | SMDC-32G   |
| 34        | Light Green                | 0.08                   | 0.24    | SMDN-34G                                      |  |
| Mix Packs |                            |                        |         | SMDN-MIX18                                    | SMDC-MIX12   |
|           |                            |                        |         | SMDTA200                                      | SMDTA30  |
| Tip Caps  |                            |                        |         | SMDTC100                                      | SMDTA29  |

| Gauge     | Color                      | Tapered Tip Dimensions |         | Brush Tip 4mm Flat (1.5" total length) Stainless Steel Tip inside Nylon Brush | Brush Tip 8mm / 5mm Round (1.5" total length) Stainless Steel Tip inside Nylon Brush | Brush Tip 10mm Flat Round (1.5" total length) Stainless Steel Tip inside Nylon Brush |
|-----------|----------------------------|------------------------|---------|---|--|--|
|           |                            | ID (mm)                | OD (mm) |   |  |  |
| 8         | Transparent Purple         | 3.40                   | 4.10    |   |  |  |
| 10        | Pale Green                 | 3.00                   | 3.80    |   | SMDB-8MMR-10G  | SMDB-10MMF-10G   |
| 11        | Light Orange               | 2.50                   | 3.20    |   | SMDB-5MMR-11G  | SMDB-10MMF-11G   |
| 12        | Dark Blue / Brick Red      | 2.34                   | 3.00    |   | SMDB-5MMR-12G  | SMDB-10MMF-12G   |
| 13        | Dark Red / Light Blue      | 2.00                   | 2.70    |   | SMDB-5MMR-13G  | SMDB-10MMF-13G   |
| 14        | Dark Green / Olive         | 1.60                   | 1.84    |   | SMDB-5MMR-14G  | SMDB-10MMF-14G   |
| 15        | Amber                      | 1.36                   | 1.70    |   | SMDB-5MMR-15G  | SMDB-10MMF-15G   |
| 16        | Dark Grey / Black          | 1.19                   | 1.64    | SMDB-16G  | SMDB-5MMR-16G  | SMDB-10MMF-16G   |
| 17        | Light Brown                | 1.00                   | 1.47    |   | SMDB-5MMR-17G  | SMDB-10MMF-17G   |
| 18        | Green                      | 0.84                   | 1.27    |   | SMDB-5MMR-18G  | SMDB-10MMF-18G   |
| 19        | Coffee / Brown / Black     | 0.69                   | 1.07    |   | SMDB-5MMR-19G  | SMDB-10MMF-19G   |
| 20        | Pink / Dark Grey           | 0.58                   | 0.91    |   | SMDB-5MMR-20G  | SMDB-10MMF-20G   |
| 21        | Purple                     | 0.51                   | 0.82    |   | SMDB-5MMR-21G  | SMDB-10MMF-21G   |
| 22        | Blue                       | 0.41                   | 0.72    |   | SMDB-5MMR-22G  | SMDB-10MMF-22G   |
| 23        | Orange / Dark Orange       | 0.34                   | 0.64    | SMDB-23G  | SMDB-5MMR-23G  | SMDB-10MMF-23G   |
| 24        | Bright Red                 | 0.30                   | 0.55    |   | SMDB-5MMR-24G  | SMDB-10MMF-24G   |
| 25        | Red / Pink                 | 0.25                   | 0.51    |   | SMDB-5MMR-25G  | SMDB-10MMF-25G   |
| 26        | Beige / Transparent Orange | 0.23                   | 0.46    |   | SMDB-5MMR-26G  | SMDB-10MMF-26G   |
| 27        | Transparent / Red          | 0.20                   | 0.41    |   | SMDB-5MMR-27G  | SMDB-10MMF-27G   |
| 28        | White                      | 0.18                   | 0.35    |   |  |  |
| 30        | Light Purple / Black       | 0.16                   | 0.31    |   |  |  |
| 32        | Yellow                     | 0.12                   | 0.31    |   |  |  |
| 34        | Light Green                | 0.08                   | 0.24    |   |  |  |
| Mix Packs |                            |                        |         |   |  |  |
| Tip Caps  |                            |                        |         |   |  |  |

| Gauge     | Color                      | Tapered Tip Dimensions |         | Straight Stainless Steel (0.25" needle length) | Straight Stainless Steel (1.0" needle length) | Straight Stainless Steel (1.5" needle length) | Straight Stainless Steel (2.0" needle length) |
|-----------|----------------------------|------------------------|---------|--|---|---|---|
|           |                            | ID (mm)                | OD (mm) |  |   |   |   |
| 8         | Transparent Purple         | 3.40                   | 4.10    |  |   |   |   |
| 10        | Pale Green                 | 3.00                   | 3.80    | SMDN-0.25-10G                                  | SMDN-1.0-10G                                  | SMDN-1.5-10G                                  | SMDN-2.0-10G                                  |
| 11        | Light Orange               | 2.50                   | 3.20    | SMDN-0.25-11G                                  | SMDN-1.0-11G                                  | SMDN-1.5-11G                                  | SMDN-2.0-11G                                  |
| 12        | Dark Blue / Brick Red      | 2.34                   | 3.00    | SMDN-0.25-12G                                  | SMDN-1.0-12G                                  | SMDN-1.5-12G                                  | SMDN-2.0-12G                                  |
| 13        | Dark Red / Light Blue      | 2.00                   | 2.70    | SMDN-0.25-13G                                  | SMDN-1.0-13G                                  | SMDN-1.5-13G                                  | SMDN-2.0-13G                                  |
| 14        | Dark Green / Olive         | 1.60                   | 1.84    | SMDN-0.25-14G                                  | SMDN-1.0-14G                                  | SMDN-1.5-14G                                  | SMDN-2.0-14G                                  |
| 15        | Amber                      | 1.36                   | 1.70    | SMDN-0.25-15G                                  | SMDN-1.0-15G                                  | SMDN-1.5-15G                                  | SMDN-2.0-15G                                  |
| 16        | Dark Grey / Black          | 1.19                   | 1.64    | SMDN-0.25-16G                                  | SMDN-1.0-16G                                  | SMDN-1.5-16G                                  | SMDN-2.0-16G                                  |
| 17        | Light Brown                | 1.00                   | 1.47    | SMDN-0.25-17G                                  | SMDN-1.0-17G                                  | SMDN-1.5-17G                                  | SMDN-2.0-17G                                  |
| 18        | Green                      | 0.84                   | 1.27    | SMDN-0.25-18G                                  | SMDN-1.0-18G                                  | SMDN-1.5-18G                                  | SMDN-2.0-18G                                  |
| 19        | Coffee / Brown / Black     | 0.69                   | 1.07    | SMDN-0.25-19G                                  | SMDN-1.0-19G                                  | SMDN-1.5-19G                                  | SMDN-2.0-19G                                  |
| 20        | Pink / Dark Grey           | 0.58                   | 0.91    | SMDN-0.25-20G                                  | SMDN-1.0-20G                                  | SMDN-1.5-20G                                  | SMDN-2.0-20G                                  |
| 21        | Purple                     | 0.51                   | 0.82    | SMDN-0.25-21G                                  | SMDN-1.0-21G                                  | SMDN-1.5-21G                                  | SMDN-2.0-21G                                  |
| 22        | Blue                       | 0.41                   | 0.72    | SMDN-0.25-22G                                  | SMDN-1.0-22G                                  | SMDN-1.5-22G                                  | SMDN-2.0-22G                                  |
| 23        | Orange / Dark Orange       | 0.34                   | 0.64    | SMDN-0.25-23G                                  | SMDN-1.0-23G                                  | SMDN-1.5-23G                                  | SMDN-2.0-23G                                  |
| 24        | Bright Red                 | 0.30                   | 0.55    | SMDN-0.25-24G                                  | SMDN-1.0-24G                                  | SMDN-1.5-24G                                  | SMDN-2.0-24G                                  |
| 25        | Red / Pink                 | 0.25                   | 0.51    | SMDN-0.25-25G                                  | SMDN-1.0-25G                                  | SMDN-1.5-25G                                  | SMDN-2.0-25G                                  |
| 26        | Beige / Transparent Orange | 0.23                   | 0.46    | SMDN-0.25-26G                                  | SMDN-1.0-26G                                  | SMDN-1.5-26G                                  | SMDN-2.0-26G                                  |
| 27        | Transparent / Red          | 0.20                   | 0.41    | SMDN-0.25-27G                                  | SMDN-1.0-27G                                  | SMDN-1.5-27G                                  | SMDN-2.0-27G                                  |
| 28        | White                      | 0.18                   | 0.35    | SMDN-0.25-28G                                  | SMDN-1.0-28G                                  | SMDN-1.5-28G                                  | SMDN-2.0-28G                                  |
| 30        | Light Purple / Black       | 0.16                   | 0.31    | SMDN-0.25-30G                                  | SMDN-1.0-30G                                  | SMDN-1.5-30G                                  |   |
| 32        | Yellow                     | 0.12                   | 0.31    | SMDN-0.25-32G                                  | SMDN-1.0-32G                                  |   |   |
| 34        | Light Green                | 0.08                   | 0.24    | SMDN-0.25-34G                                  | SMDN-1.0-34G                                  |   |   |
| Mix Packs |                            |                        |         |  |   |   |   |
| Tip Caps  |                            |                        |         |  |   |   |   |

| Gauge     | Color                      | Tapered Tip Dimensions |         | Conical Plastic (Tapered Tip) (60mm total length) | 45 Degree Bent Stainless Steel (1/2" needle length) | 30 Degree Bent Conical Plastic (Tapered Tip) (1.25" total length) |
|-----------|----------------------------|------------------------|---------|---|---|---|
|           |                            | ID (mm)                | OD (mm) |   |   |   |
| 8         | Transparent Purple         | 3.40                   | 4.10    |   |   | SMDC-30B-8G   |
| 10        | Pale Green                 | 3.00                   | 3.80    | SMDC-60MM-10G                                     |   | SMDC-30B-10G  |
| 11        | Light Orange               | 2.50                   | 3.20    | SMDC-60MM-11G                                     |   | SMDC-30B-11G  |
| 12        | Dark Blue / Brick Red      | 2.34                   | 3.00    | SMDC-60MM-12G                                     | SMDN-45B-12G  | SMDC-30B-12G  |
| 13        | Dark Red / Light Blue      | 2.00                   | 2.70    | SMDC-60MM-13G                                     | SMDN-45B-13G  | SMDC-30B-13G  |
| 14        | Dark Green / Olive         | 1.60                   | 1.84    | SMDC-60MM-14G                                     | SMDN-45B-14G  | SMDC-30B-14G  |
| 15        | Amber                      | 1.36                   | 1.70    | SMDC-60MM-15G                                     | SMDN-45B-15G  | SMDC-30B-15G  |
| 16        | Dark Grey / Black          | 1.19                   | 1.64    | SMDC-60MM-16G                                     | SMDN-45B-16G  | SMDC-30B-16G  |
| 17        | Light Brown                | 1.00                   | 1.47    |   | SMDN-45B-17G  |   |
| 18        | Green                      | 0.84                   | 1.27    | SMDC-60MM-18G                                     | SMDN-45B-18G  | SMDC-30B-18G  |
| 19        | Coffee / Brown / Black     | 0.69                   | 1.07    |   | SMDN-45B-19G  |   |
| 20        | Pink / Dark Grey           | 0.58                   | 0.91    | SMDC-60MM-20G                                     | SMDN-45B-20G  | SMDC-30B-20G  |
| 21        | Purple                     | 0.51                   | 0.82    |   | SMDN-45B-21G  | SMDC-30B-21G  |
| 22        | Blue                       | 0.41                   | 0.72    |   | SMDN-45B-22G  | SMDC-30B-22G  |
| 23        | Orange / Dark Orange       | 0.34                   | 0.64    |   | SMDN-45B-23G  | SMDC-30B-23G  |
| 24        | Bright Red                 | 0.30                   | 0.55    |   | SMDN-45B-24G  |   |
| 25        | Red / Pink                 | 0.25                   | 0.51    |   | SMDN-45B-25G  | SMDC-30B-25G  |
| 26        | Beige / Transparent Orange | 0.23                   | 0.46    |   | SMDN-45B-26G  |   |
| 27        | Transparent / Red          | 0.20                   | 0.41    |   | SMDN-45B-27G  | SMDC-30B-27G  |
| 28        | White                      | 0.18                   | 0.35    |   | SMDN-45B-28G  |   |
| 30        | Light Purple / Black       | 0.16                   | 0.31    |   | SMDN-45B-30G  | SMDC-30B-30G  |
| 32        | Yellow                     | 0.12                   | 0.31    |   | SMDN-45B-32G  |   |
| 34        | Light Green                | 0.08                   | 0.24    |   | SMDN-45B-34G  |   |
| Mix Packs |                            |                        |         |   |   |   |
| Tip Caps  |                            |                        |         |   |   |   |

| Gauge     | Color                      | Tapered Tip Dimensions |         | Polytetrafluoroethylene (PTFE) Needle (1/2" needle with PTFE Liner) | Polypropylene (PP) (1/2" needle length) | Solid Stainless Steel (1/2" needle length) | ESD Conical Plastic (Tapered Tip) (1.25" total length) |
|-----------|----------------------------|------------------------|---------|---|---|--|--|
|           |                            | ID (mm)                | OD (mm) |   |   |  |  |
| 8         | Transparent Purple         | 3.40                   | 4.10    |   |   | SSN-8G                                     |  |
| 10        | Pale Green                 | 3.00                   | 3.80    |   |   | SSN-10G                                    |  |
| 11        | Light Orange               | 2.50                   | 3.20    |   |   | SSN-11G                                    |  |
| 12        | Dark Blue / Brick Red      | 2.34                   | 3.00    |   |   | SSN-12G                                    |  |
| 13        | Dark Red / Light Blue      | 2.00                   | 2.70    |   |   | SSN-13G                                    |  |
| 14        | Dark Green / Olive         | 1.60                   | 1.84    | PTFEN-14G   | SMDN-PP-14G                             | SSN-14G                                    | SMDC-ESD-14G   |
| 15        | Amber                      | 1.36                   | 1.70    |   | SMDN-PP-15G                             | SSN-15G                                    |  |
| 16        | Dark Grey / Black          | 1.19                   | 1.64    |   | SMDN-PP-16G                             | SSN-16G                                    | SMDC-ESD-16G   |
| 17        | Light Brown                | 1.00                   | 1.47    |   | SMDN-PP-17G                             | SSN-17G                                    |  |
| 18        | Green                      | 0.84                   | 1.27    |   | SMDN-PP-18G                             | SSN-18G                                    | SMDC-ESD-18G   |
| 19        | Coffee / Brown / Black     | 0.69                   | 1.07    |   | SMDN-PP-19G                             | SSN-19G                                    |  |
| 20        | Pink / Dark Grey           | 0.58                   | 0.91    | PTFEN-20G   | SMDN-PP-20G                             | SSN-20G                                    | SMDC-ESD-20G   |
| 21        | Purple                     | 0.51                   | 0.82    |   | SMDN-PP-21G                             | SSN-21G                                    |  |
| 22        | Blue                       | 0.41                   | 0.72    |   | SMDN-PP-22G                             | SSN-22G                                    | SMDC-ESD-22G   |
| 23        | Orange / Dark Orange       | 0.34                   | 0.64    |   | SMDN-PP-23G                             | SSN-23G                                    |  |
| 24        | Bright Red                 | 0.30                   | 0.55    |   |   | SSN-24G                                    |  |
| 25        | Red / Pink                 | 0.25                   | 0.51    | PTFEN-25G   | SMDN-PP-25G                             | SSN-25G                                    | SMDC-ESD-25G   |
| 26        | Beige / Transparent Orange | 0.23                   | 0.46    |   |   | SSN-26G                                    |  |
| 27        | Transparent / Red          | 0.20                   | 0.41    | PTFEN-27G   |   | SSN-27G                                    | SMDC-ESD-27G   |
| 28        | White                      | 0.18                   | 0.35    |   |   | SSN-28G                                    |  |
| 30        | Light Purple / Black       | 0.16                   | 0.31    |   |   | SSN-30G                                    |  |
| 32        | Yellow                     | 0.12                   | 0.31    |   |   | SSN-32G                                    |  |
| 34        | Light Green                | 0.08                   | 0.24    |   |   | SSN-34G                                    |  |
| Mix Packs |                            |                        |         |   |   |  |  |
| Tip Caps  |                            |                        |         |   |   |  |  |

| Gauge     | Color                      | Tapered Tip Dimensions |         | Flat Straight Stainless Steel (1/2" needle length) | Flat Straight Stainless Steel (0.25" needle length) | Flat Straight Stainless Steel (1.0" needle length) | Flat Straight Stainless Steel (1.5" needle length) |
|-----------|----------------------------|------------------------|---------|--|---|--|--|
|           |                            | ID (mm)                | OD (mm) |  |   |  |  |
| 8         | Transparent Purple         | 3.40                   | 4.10    |  |   |  |  |
| 10        | Pale Green                 | 3.00                   | 3.80    | SMDN-F-10G   | SMDN-F-0.25-10G                                     | SMDN-F-1.0-10G                                     | SMDN-F-1.5-10G                                     |
| 11        | Light Orange               | 2.50                   | 3.20    | SMDN-F-11G   | SMDN-F-0.25-11G                                     | SMDN-F-1.0-11G                                     | SMDN-F-1.5-11G                                     |
| 12        | Dark Blue / Brick Red      | 2.34                   | 3.00    | SMDN-F-12G   | SMDN-F-0.25-12G                                     | SMDN-F-1.0-12G                                     | SMDN-F-1.5-12G                                     |
| 13        | Dark Red / Light Blue      | 2.00                   | 2.70    | SMDN-F-13G   | SMDN-F-0.25-13G                                     | SMDN-F-1.0-13G                                     | SMDN-F-1.5-13G                                     |
| 14        | Dark Green / Olive         | 1.60                   | 1.84    | SMDN-F-14G   | SMDN-F-0.25-14G                                     | SMDN-F-1.0-14G                                     | SMDN-F-1.5-14G                                     |
| 15        | Amber                      | 1.36                   | 1.70    | SMDN-F-15G   | SMDN-F-0.25-15G                                     | SMDN-F-1.0-15G                                     | SMDN-F-1.5-15G                                     |
| 16        | Dark Grey / Black          | 1.19                   | 1.64    | SMDN-F-16G   | SMDN-F-0.25-16G                                     | SMDN-F-1.0-16G                                     | SMDN-F-1.5-16G                                     |
| 17        | Light Brown                | 1.00                   | 1.47    | SMDN-F-17G   | SMDN-F-0.25-17G                                     | SMDN-F-1.0-17G                                     | SMDN-F-1.5-17G                                     |
| 18        | Green                      | 0.84                   | 1.27    | SMDN-F-18G   | SMDN-F-0.25-18G                                     | SMDN-F-1.0-18G                                     | SMDN-F-1.5-18G                                     |
| 19        | Coffee / Brown / Black     | 0.69                   | 1.07    | SMDN-F-19G   | SMDN-F-0.25-19G                                     | SMDN-F-1.0-19G                                     | SMDN-F-1.5-19G                                     |
| 20        | Pink / Dark Grey           | 0.58                   | 0.91    | SMDN-F-20G   | SMDN-F-0.25-20G                                     | SMDN-F-1.0-20G                                     | SMDN-F-1.5-20G                                     |
| 21        | Purple                     | 0.51                   | 0.82    | SMDN-F-21G   | SMDN-F-0.25-21G                                     | SMDN-F-1.0-21G                                     | SMDN-F-1.5-21G                                     |
| 22        | Blue                       | 0.41                   | 0.72    | SMDN-F-22G   | SMDN-F-0.25-22G                                     | SMDN-F-1.0-22G                                     | SMDN-F-1.5-22G                                     |
| 23        | Orange / Dark Orange       | 0.34                   | 0.64    | SMDN-F-23G   | SMDN-F-0.25-23G                                     | SMDN-F-1.0-23G                                     | SMDN-F-1.5-23G                                     |
| 24        | Bright Red                 | 0.30                   | 0.55    | SMDN-F-24G   | SMDN-F-0.25-24G                                     | SMDN-F-1.0-24G                                     | SMDN-F-1.5-24G                                     |
| 25        | Red / Pink                 | 0.25                   | 0.51    | SMDN-F-25G   | SMDN-F-0.25-25G                                     | SMDN-F-1.0-25G                                     | SMDN-F-1.5-25G                                     |
| 26        | Beige / Transparent Orange | 0.23                   | 0.46    |  |   |  |  |
| 27        | Transparent / Red          | 0.20                   | 0.41    |  |   |  |  |
| 28        | White                      | 0.18                   | 0.35    |  |   |  |  |
| 30        | Light Purple / Black       | 0.16                   | 0.31    |  |   |  |  |
| 32        | Yellow                     | 0.12                   | 0.31    |  |   |  |  |
| 34        | Light Green                | 0.08                   | 0.24    |  |   |  |  |
| Mix Packs |                            |                        |         |  |   |  |  |
| Tip Caps  |                            |                        |         |  |   |  |  |

## Product Photos

### Stainless Steel Needles (1/2" needle length):



SMDN-12G  
(12 gauge)



SMDN-13G  
(13 gauge)



SMDN-14G  
(14 gauge)



SMDN-16G  
(16 gauge)



SMDN-18G  
(18 gauge)



SMDN-19G  
(19 gauge)



SMDN-20G  
(20 gauge)



SMDN-21G  
(21 gauge)



SMDN-22G  
(22 gauge)



SMDN-23G  
(23 gauge)



SMDN-25G  
(25 gauge)



SMDN-26G  
(26 gauge)



SMDN-27G  
(27 gauge)



SMDN-28G  
(28 gauge)



SMDN-30G  
(30 gauge)



SMDN-32G  
(32 gauge)



SMDN-34G  
(34 gauge)

**Conical Plastic Tapered Tip (TT) (1.25" total length):**



SMDC-8G  
(8 gauge)



SMDC-10G  
(10 gauge)



SMDC-11G  
(11 gauge)



SMDC-13G  
(13 gauge)



SMDN-14G  
(14 gauge)



SMDC-15G  
(15 gauge)



SMDC-16G  
(16 gauge)



SMDC-18G  
(18 gauge)



SMDC-20G  
(20 gauge)



SMDN-22G  
(22 gauge)



SMDC-23G  
(23 gauge)



SMDC-25G  
(25 gauge)



SMDC-26G  
(26 gauge)



SMDC-27G  
(27 gauge)



SMDN-30G  
(30 gauge)



SMDC-32G  
(32 gauge)

**Brush Tip 4mm Flat (1.5" total length):**



SMDB-16G  
(16 gauge)



SMDB-23G  
(23 gauge)

**Conical Plastic (Tapered Tip) (60mm total length):**



SMDC-60MM-12G  
(12 gauge)