

## Aiguilles

### Hub Needles (Gauge Index on page 35)

- Metal hub (N) or Kel-F hub (KF) needles in convenient six packs
- Metal hub (nickel plated brass) for use with TLL syringes and LT or TLL connectors
- Kel-F hub for use with LT and TLL syringes and connectors
- 304 stainless steel (sst.) needle
- Standard needle length: 2"/51 mm

### Ordering Information

All needles sold in 6 packs.

Gauge	SST* Tubing No Hub	Metal Hub (N)					Kel-F Hub (KF)							
		Point Style 2	Point Style 3	Point Style 5	Custom Needles * Pt. Styles 2, 3, 4	Custom Needles **	Point Style 2	Point Style 3	Point Style 5	Custom Needles * Pt. Styles 2, 3, 4	Custom Needles **			
33	21033	90033	91033		7747-01									
32	21032													
31		90031	91031		7748-17	90131	90531		7750-22					
30	21030	90030	91030		7748-16	90130	90530		7750-21					
29	21029													
28	21028	90028	91028		7748-14	90128	90528		7750-19					
27	21027	90027	91027		7748-13	90127	90532		7750-18					
26s	21039	90039	91039	7729-01	7748-19	7751-19	90139	90539	7746-12	7750-24	7752-19			
26	21026	90026	91026	7729-03	7748-12	7751-17	90126	90533	7746-10	7750-17	7752-17			
25	21025	90025	91025	7729-04	7748-11	7751-16	90125	90525	7746-09	7750-16	7752-16			
24		90024	91024	7729-05	7748-10	7751-15	90124	90524	7746-08	7750-15	7752-15			
23	21023	90023	91023	7729-06	7748-09	7751-14	90123	90523	7746-07	7750-14	7752-14			
22s		90038	91038	7729-02	7748-18	7751-18	90138	90534	7746-11	7750-23	7752-18			
22	21022	90022	91022	7729-07	7748-08	7751-13	90122	90134	7746-06	7750-13	7752-13			
21	21021	90021	91021	7729-08	7748-07	7751-12	90121	90521	7746-05	7750-12	7752-12			
20	21020	90020	91020	7729-09	7748-06	7751-11	90120	90520	7746-04	7750-11	7752-11			
19	21019													
18	21018	90018	91018	7729-10	7748-04	7751-09	90118	90535	7746-03	7750-09	7752-09			
17	21017	90017	91017	7729-11	7748-03	7751-08	90117	90517	7746-02	7750-08	7752-08			
16	21016	90016	91016	7729-12	7748-02	7751-07	90116	90516	7746-01	7750-07	7752-07			
15	21015													
14	21014	90014	91014		7749-05					7750-05	7752-05			
13	21013	90013	91013		7749-04					7750-04	7752-04			
12	21012	90012	91012		7749-03					7750-03	7752-03			
11	21011	90011	91011		7749-02					7750-02	7752-02			
10	21010	90010	91010		7749-01					7750-01	7752-01			

\* Please specify length and point style. \*\* Please specify length. (Point style 5)



Metal Hub Needles



Kel-F Hub Needles

### Removable Needles (Gauge Index on page 35)

- For use with RN-style syringes and connectors
- 304 stainless steel (sst.) needles
- Convenient six packs

### ordering information

All needles sold in 6 packs.

Gauge	For 2.5-100 µL Syringes					For 250 µL-10 mL Syringes				
	Point Style 2	Point Style 3	Point Style 5	Custom Needles * Pt. Styles 2, 3, 4	Custom Needles **	Point Style 2	Point Style 3	Point Style 5	Custom Needles * Pt. Styles 2, 3, 4	Custom Needles **
33				7762-06	7803-05					
32				7762-05	7803-04					
31				7762-04	7803-03					
30				7762-03	7803-07					
28				7762-02	7803-02					
27				7762-01	7803-01					
26s	7758-02	7768-01	7784-07	7804-04	7731-02	779-02	7780-01	7784-03	7806-04	7732-04
26	7758-04	7768-02	7784-08	7804-03	7731-01	779-04	7780-02	7784-04	7806-03	7732-03
22s	7758-03	7770-01	7784-05	7804-02	7731-04	779-03	7780-03	7784-01	7806-02	7732-02
22	7758-01	7770-02	7784-06	7804-01	7731-03	779-01	7780-04	7784-02	7806-01	7732-01

\* Please specify length and point style. \*\* Please specify length. (Point style 5)



Small Gauge Needles  
27-33



Large Gauge Needles  
26s-22

## ordering information

Part Number	Description
76610	Syringe Cleaner, 120VAC
76615	Syringe Cleaner, 220VAC
76022	Replacement Septa, 5 mm diameter, 12/pk

\* Note: Voltage rheostat and vacuum source must be purchased separately

## Syringe Cleaning Tips

- The life of your MICROLITER, MODIFIED MICROLITER or GASTIGHT syringe is directly related to its cleanliness!
- To clean syringes, it is best to use solvents known to be effective in solvating the sample and preferably are non-alkaline, non-phosphate and non-detergent based. A biodegradable, non-phosphate, organic Cleaning Concentrate is available from Hamilton; order part # 18311.
- High quality water and acetone prove to be good rinses.
- To clean the plunger, remove it from the syringe barrel and gently wipe with a lint-free tissue. Reinsert the plunger into the barrel and pump deionized water or acetone through the needle and syringe. Air dry the syringe for storage.

Note: When reinserting a TEFLON®-tipped plunger into a syringe barrel, wet (lubricate) the tip with deionized water or another solvent compatible with the sample.

## Sterilizing Syringes

Sterilize your Hamilton syringe using an appropriate chemical sterilizer. Rinse the syringe thoroughly after sterilization. In general, Hamilton Company does not recommend autoclaving syringes. Stainless steel expands faster than glass upon heating. Heating a syringe with a cemented, stainless steel needle may cause the glass barrel to split. Heating a syringe with cemented stainless steel hubs may result in adhesive deterioration and leakage. It is the responsibility of the user to determine the suitability of application and material compatibility of the products based on published specifications.

## ordering information

Part Number	Description																					
76620	Needle Cleaning Kit (includes cleaning wires and 70 mL of cleaning concentrate listed below)																					
	<table border="1"> <thead> <tr> <th>Cleaning Wire Part #</th> <th>Cleaning Wires (7" in length)</th> <th>Use to Clean Needle Gauges</th> </tr> </thead> <tbody> <tr> <td>18306</td> <td>.00300" O.D., 10/pk</td> <td>23s, 26s, 31-33</td> </tr> <tr> <td>18300</td> <td>.00350" O.D., 10/pk</td> <td>26s, 31-33</td> </tr> <tr> <td>18301</td> <td>.00497" O.D., 10/pk</td> <td>22s, 25s, 28-30</td> </tr> <tr> <td>18302</td> <td>.00659" O.D., 10/pk</td> <td>27</td> </tr> <tr> <td>18303</td> <td>.00815" O.D., 10/pk</td> <td>24-26</td> </tr> <tr> <td>18304</td> <td>.01207" O.D., 10/pk</td> <td>22, 23 (and larger)</td> </tr> </tbody> </table>	Cleaning Wire Part #	Cleaning Wires (7" in length)	Use to Clean Needle Gauges	18306	.00300" O.D., 10/pk	23s, 26s, 31-33	18300	.00350" O.D., 10/pk	26s, 31-33	18301	.00497" O.D., 10/pk	22s, 25s, 28-30	18302	.00659" O.D., 10/pk	27	18303	.00815" O.D., 10/pk	24-26	18304	.01207" O.D., 10/pk	22, 23 (and larger)
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18303	.00815" O.D., 10/pk	24-26																				
18304	.01207" O.D., 10/pk	22, 23 (and larger)																				
18311	Cleaning Concentrate, 500 mL (not included in cleaning kit)																					

## Cleaning Needles

Should a needle become clogged, do not attempt to clean it by forcing liquid or compressed air through the syringe. Excessive pressure will split the glass barrel. Order Hamilton's Needle Cleaning Kit, part # 76620, to prevent clogging of needles. Remove the plunger from the syringe before cleaning the needle. Cleaning wires are used to dislodge any foreign material or residue build-up. Use deionized water or acetone to thoroughly rinse the syringe.