

Hub Needles

(See gauge index below)

- Metal hub (N) or Kel-F hub (KF) needles in convenient six packs
- Use with LT syringes
- 304 stainless steel (sst.) needle
- Standard needle length: 2"/51 mm

Gauge	Cat. No. Metal Hub (N)			Cat. No. Kel-F Hub (KF)		
	Point style 2	Point style 3	Point style 5	Point style 2	Point style 3	Point style 5
33	SY/91002	SY/91102	-	-	-	-
26s	SY/91004	SY/91104	SY/91202	SY/91302	SY/91402	SY/91502
26	SY/91006	SY/91106	SY/91204	SY/91304	SY/91404	SY/91504
21	SY/91008	SY/91108	SY/91206	SY/91306	SY/91406	SY/91506
16	SY/91010	SY/91110	SY/91208	SY/91308	SY/91408	SY/91508

Removable Needles

(See gauge index below)


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

Gauge	Cat. No. For 2.5 - 100µl syringes			Cat. No. For 250µl - 10ml syringes		
	Point style 2	Point style 3	Point style 5	Point style 2	Point style 3	Point style 5
33	-	SY/91122	-	-	-	-
26s	SY/91152	SY/91162	SY/91172	SY/91182	SY/91192	SY/91176
26	SY/91154	SY/91164	SY/91174	SY/91184	SY/91194	SY/91178

Needle Gauge Table

Gauge	O.D. Tolerance		I.D. Tolerance		Wall Thickness		Volume L/inch
	in	mm‡	in	mm‡	in	mm‡	
33	.0080-.0085	0.21	.0035-.0050	0.11	0.002	0.05	0.20
26s	.0184-.0189	0.47	.0045-.0055	0.13	0.007	0.18	0.26
26	.0180-.0185	0.46	.0095-.0110	0.26	0.004	0.10	1.25
16	.0645-.0655	1.65	.0455-.0485	1.19	0.009	0.23	28.25

‡ mm are nominal



AS **Point Style AS:** special conical style needle point designed to withstand the demands of multiple injections; exclusively used on autosampler syringes

2 **Point Style 2:** 10 - 12° bevelled non-coring needle point recommended for septum penetration; only needle gauges 26s - 22 are recommended for optimum septum penetration.

3 **Point Style 3:** blunt needle point for use with HPLC injection valves and for sample pipetting.

4 **Point Style 4:** 10 - 12° bevelled needle point recommended for life science applications; special point styles such as 12°, and 45° are available on request.

5 **Point Style 5:** conical needle with side port for penetration of septa, thin-gauged vinyls and plastics without coring; minimizes septum damage.

Electro-tapered
Some replacement needles can be specified as electro-tapered. Use this style for applications such as attaching PTFE tips, or for use on on-column GC injectors.

Note: Not all styles are listed