






# Hamilton Needle Point Styles

ID	Point Style	Description
2		10-12° sharp, beveled, curved non-coring
3		Blunt, electro-polished
4		Sharp 10-12° beveled needle
5		Conical with side port for penetration without coring
AS		Conical, non-coring designed to withstand multiple injections

Note: For Point Style 4, please advise the degree required. Standard 12° beveled needle point is recommended for life science applications. Available gauges: 34-10. Special point styles such as 30°, 45°, or other angles between 12-60° are available upon request.

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Hamilton offers several different point styles depending on the intended application.

Point Style	Description	Application	Gauges
2	10 - 12 degrees sharp, beveled, curved non-coring	Gas chromatography, septum piercing	33 - 10 ga
3	Blunt, electro-polished	High performance liquid chromatography (HPLC) injection, thin-layer chromatography (TLC), general liquid handling, controlled animal injections	34 - 10 ga
4	Sharp 10 - 12 degrees beveled needle; other angles available upon request	Life science/animal injections	34 - 10 ga
5	Conical with side port for penetration without coring	Headspace, applications prone to needle clogging, causes minimal septum damage	26 - 10 ga
AS	Conical, non-coring designed to withstand multiple injections	Autosampler injection, pre-pierced septa	26 - 10 ga

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