

# technical data

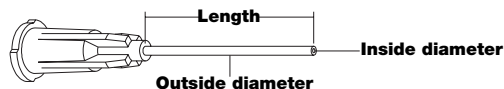
## Sem-needles and semflex-needles

### Sem-needles

Disposable, rigid, stainless steel, blunt end dispensing needles fit onto all luer lock and luer slip syringes and the Sem-luer adapter. All needles have molded international color coded hubs for easy identification of the specific gauge size. These needles are precision made with burr-free ends for micro applications. All needles are non-sterile and are for industrial use only.

### Semflex-needles

Disposable, flexible, blunt end Teflon® dispensing needles fit onto all luer lock and luer slip syringes and the Sem-luer adapter. All have molded international color coded hubs for easy identification of specific gauge size. (Electrical Specification Tubing, American Wire Gauge sizes conforming to AMS-3654.) These flexible needles will not scratch or mark a surface upon contact. All needles are non-sterile and are for industrial use only.



Gauge	Sem-needles			Semflex-needles			Length	Hub color
	P/N	O.D.	I.D.	P/N	O/D.	I.D.		
14	231843	.083"	.066"		N/A		1/2"	Dark green
14	231844	.083"	.066"	232728	.082"	.066"	1"	Dark green
15	231845	.072"	.060"		N/A		1/2"	Orange
15	231846	.072"	.060"	232730	.071"	.059"	1"	Orange
18	231849	.049"	.038"		N/A		1/2"	Pink
18	231850	.049"	.038"		N/A		1"	Pink
18		N/A		232734	.054"	.042"	2"	Pink
19	231851	.042"	.032"		N/A		1/2"	Brown
19	231852	.042"	.032"		N/A		1"	Brown
20	231853	.035"	.026"		N/A		1/2"	Yellow
20	231854	.035"	.026"	232736	.046"	.034"	1"	Yellow
21	231855	.032"	.023"		N/A		1/2"	Green
21	231856	.032"	.023"		N/A		1"	Green
22	231857	.028"	.020"		N/A		1/2"	Black
22	231858	.028"	.020"		N/A		1"	Black
23	231859	.025"	.017"		N/A		1/2"	Light blue
23	231860	.025"	.017"	232742	.038"	.026"	1"	Light blue
25	231863	.020"	.012"		N/A		1/2"	Blue
25	231864	.020"	.012"		N/A		1"	Blue
26		N/A		232745	.030"	.018"	1/2"	Peach
26	231866	.018"	.010"		N/A		1"	Peach
26		N/A		232893	.030"	.018"	1/8"	Peach
27	231867	.016"	.009"		N/A		5/16"	Tan
28		N/A		232748	.027"	.015"	1"	Tan
30	231869	.012"	.006"		N/A		5/16"	Lavender
30		N/A		232749	.024"	.012"	1/2"	Lavender

\*Other sizes and lengths are available through special order.