

PLEASE PROVIDE THE FOLLOWING:

1. CENTER FLOW INLET STYLE: _____ (T FOR TUBE CONNECTION, L FOR LUER, TL FOR BOTH)
2. INSIDE NEEDLE GAUGE* _____ G (SMALLEST GAUGE IS 28G; EXTRA COST FOR 27-28G)
3. OUTSIDE NEEDLE GAUGE* _____ G ***CONSULT NEEDLE GAUGE CHART - OD OF INNER NEEDLE MUST BE LESS THAN ID OF OUTER NEEDLE.**

4. DIM C _____ MM (IF DIM C IS 0, THEN BOTH NEEDLES WILL END AT SAME PLANE; DIM C = 0 IS MOST COMMON. USE POSITIVE VALUE TO HAVE INSIDE TUBING LONGER THAN OUTSIDE; USE NEGATIVE VALUE TO HAVE INSIDE TUBING SHORTER THAN OUTSIDE.)

NOTE DIM D IS APPROXIMATELY 41.5MM FOR STYLE T (TUBE INLET FOR INNER FLOW) AND 46.6MM FOR STYLE L (LUER INLET FOR INNER FLOW) AND IS NOT ADJUSTABLE.

NOTE DIM E IS 16MM AND NOT ADJUSTABLE.

5. DIM F* _____ MM (MIN 2MM, RECOMMENDED 10-30MM) ***MAX 90MM FOR EVEN GAUGES AND 35MM FOR ODD GAUGES)**

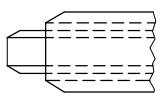
6. EXTRA INNER NEEDLE? (Y OR N) _____ (EXTRA COST)

7. ADD BEVELED TIP? (Y OR N) _____ (EXTRA COST)

ANY ADDITIONAL SPECIAL REQUIREMENTS?

NOTES:

1. SHAFT MATERIAL: TYPE 304 STAINLESS STEEL.
2. NEEDLE TIP: PROBE POINT - SQUARE. BEVELED TIP IS OPTIONAL.
3. PER VIEW A, INSIDE NEEDLE TO BE MADE CONCENTRIC TO OUTSIDE NEEDLE.
4. POS INDICATES POINT OF SEPARATION.



BEVELED TIP OPTION
SCALE 4:1

VIEW A
SCALE 4:1

THIS WORKSHEET CAN BE FOUND AT http://www.ramhart.com/pdf/coaxial_with_tubing_worksheet.pdf

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TOLERANCES UNLESS OTHERWISE NOTED

0.00±0.010in (0.25mm) 0.000±0.005in (0.127mm) ANGLES ±0°30'

DRAWN BY CHECKED DATE SCALE

CC WA 14-JUN-2022 NTS

CUSTOM COAXIAL NEEDLE WITH TUBING

TITLE	DWG NO	REV
COAX/TUBE	100-10-COAXTUBE	0