

Key Features

- High Quality filling needle designed for Bioprocess fluid dispensing applications
- 316L stainless steel cannula offers superior precision and targeting compared to PEEK tubing
- Hose-barb hub design ensures a secure and leak-free connection to the filling system
- Compatible with any filling machines Inner diameters range from 0.8 mm to 4.8 mm
- Electropolished and passivated surface of the cannula reduces the risk of contamination
- Cannula securely bonded to hub using medical-grade UV-curing adhesive for strength and reliability
- Assembled and packaged in class 7 cleanroom

Applications

- Final fill for drug products
- Cell and gene therapy
- Formulations
- Benchtop Filling Application

EZBio® Viper Needles are designed for high-performance filling applications fully compatible with IMA, Bosch, Cytiva allegro filling needles and more. The Filling Needles are suitable for use with vials, syringes, and bottles, and are available in various inner diameters (0.8 mm to 4.8 mm).

EZBio® Viper Needle cannulas are made from 316L stainless steel that is electropolished and passivated and paired with a USP Class VI gamma-stable polycarbonate hub. The needles undergo a rigorous manufacturing process that includes electropolishing, ultrasonic cleaning and passivation to meet the highest standards. The Product is packaged non-sterile in double bag to ensure safety and quality.

Foxx Life Sciences offers the flexibility to design and manufacture filling needles customized for a wide range of filling machines. Whether you require specific dimensions, configurations, or compatibility with other equipment, our team can develop tailored solutions to meet your unique application needs. For custom orders or more information, please contact our team directly.

Quality, Regulatory, and Biocompatibility Properties

Category	Property/Test
Material of Constructions	• 316L stainless steel Canula • Polycarbonate (PC) Hub
Biocompatibility	• USP 85 Bacterial Endotoxin • USP 87 • USP 88
Extractables/ Leachable	• USP 665
Recommended Sterilization Method	• Gamma • Autoclavable



AUTOCLAVABLE ISO 13485

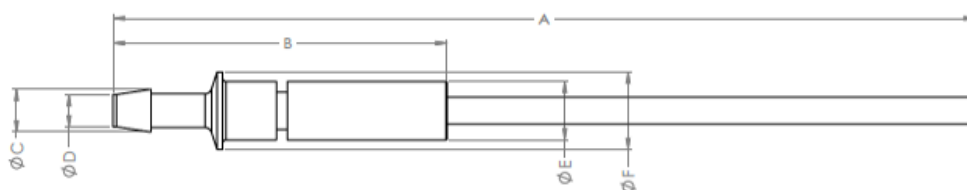


DESIGNED IN 

EZBio® Viper Needles Ordering Information:

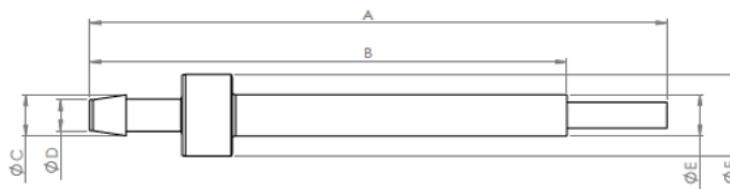
ORDERING INFORMATION & PACK SIZE KEY	Pack Size Code (X)	Digit to Use	Quantity Per Pack	Example:
Part number template: 29C-00X0-FLS	Small	0	5/PK	29C-0010-FLS - Cytiva Allegro (Pall) needle 0.8mm ID 2.2mm OD 50/PK
	Medium	1	50/PK	
	Large	2	100/PK	

1 Cytiva Allegro (Pall):



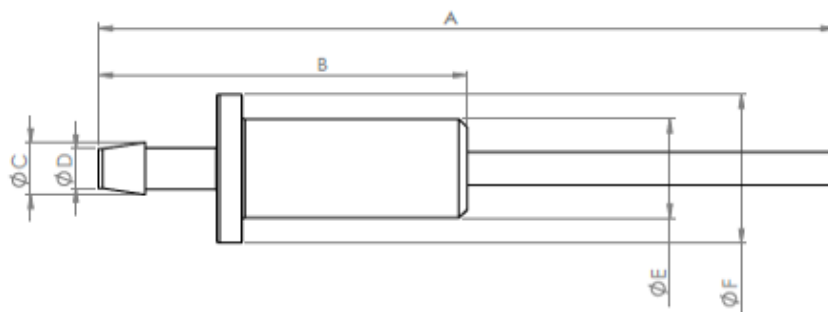
Part Number	Needle ID	Needle OD	A	B	C	D	E	F
29C-00X0-FLS	0.8mm	2.2mm	87.1mm	48.50mm	3.18mm	2.5mm	8.67mm	11.50mm
29C-01X0-FLS	0.8mm	2.2mm	125.2mm		4.25mm	3mm		
29C-10X0-FLS	1.6mm	2.5mm	87.1mm		6.35mm	4.8mm		
29C-11X0-FLS	1.6mm	2.5mm	125.2mm		4.30mm	3.75mm		
29C-20X0-FLS	2.4mm	3.2mm	87.1mm		8.00mm	6.35mm		
29C-21X0-FLS	2.4mm	3.2mm	125.2mm					
29C-30X0-FLS	3.2mm	4.0mm	87.1mm					
29C-31X0-FLS	3.2mm	4.0mm	125.2mm					
29C-40X0-FLS	4.8mm	6.0mm	87.1mm					
29C-41X0-FLS	4.8mm	6.0mm	125.2mm					

2 Syntegon (Bosch):



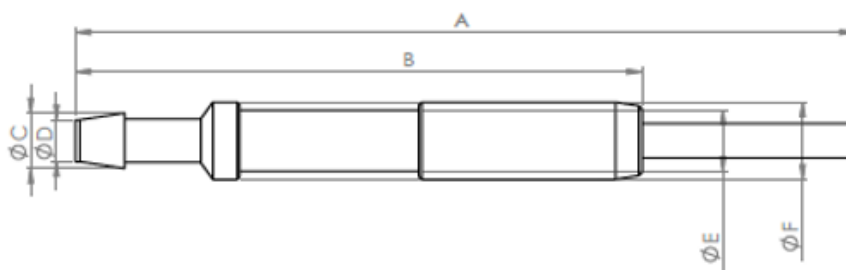
Part Number	Needle ID	Needle OD	A	B	C	D	E	F
29C-00X8-FLS	0.8mm	2.2mm	87.1mm	72.42mm	3.18mm	2.5mm	6.4mm	12.4mm
29C-01X8-FLS	0.8mm	2.2mm	125.2mm		4.25mm	3mm		
29C-10X8-FLS	1.6mm	2.5mm	87.1mm		6.35mm	4.8mm		
29C-11X8-FLS	1.6mm	2.5mm	125.2mm		4.30mm	3.75mm		
29C-20X8-FLS	2.4mm	3.2mm	87.1mm		8.00mm	6.35mm		
29C-21X8-FLS	2.4mm	3.2mm	125.2mm					
29C-30X8-FLS	3.2mm	4.0mm	87.1mm					
29C-31X8-FLS	3.2mm	4.0mm	125.2mm					
29C-40X8-FLS	4.8mm	6.0mm	87.1mm					
29C-41X8-FLS	4.8mm	6.0mm	125.2mm					

3 Bosch:



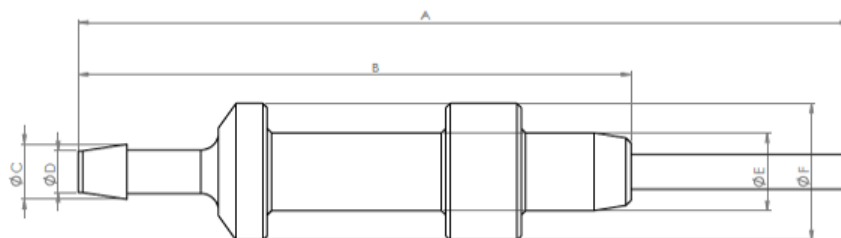
Part Number	Needle ID	Needle OD	A	B	C	D	E	F
29C-00X7-FLS	0.8mm	2.2mm	87.1mm	43.6mm	3.18mm	2.5mm	12mm	18mm
29C-01X7-FLS	0.8mm	2.2mm	125.2mm					
29C-10X7-FLS	1.6mm	2.5mm	87.1mm		4.25mm	3mm		
29C-11X7-FLS	1.6mm	2.5mm	125.2mm					
29C-20X7-FLS	2.4mm	3.2mm	87.1mm		6.35mm	4.8mm		
29C-21X7-FLS	2.4mm	3.2mm	125.2mm					
29C-30X7-FLS	3.2mm	4.0mm	87.1mm		4.30mm	3.75mm		
29C-31X7-FLS	3.2mm	4.0mm	125.2mm					
29C-40X7-FLS	4.8mm	6.0mm	87.1mm		8.00mm	6.35mm		
29C-41X7-FLS	4.8mm	6.0mm	125.2mm					

4 IMA (small hub):



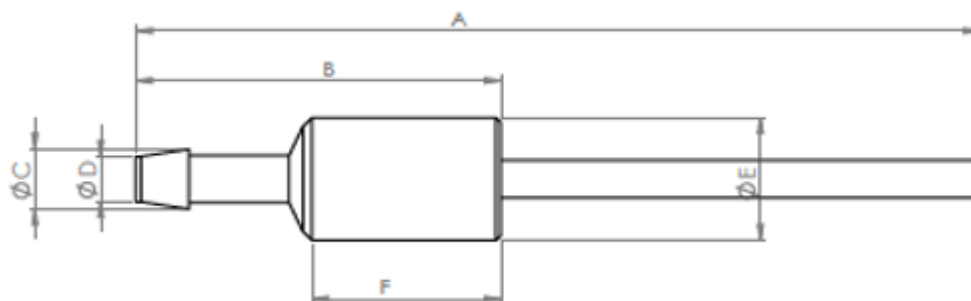
Part Number	Needle ID	Needle OD	A	B	C	D	E	F
29C-00X5-FLS	0.8mm	2.2mm	87.1mm	63.3mm	3.18mm	2.5mm	7mm	8.8mm
29C-01X5-FLS	0.8mm	2.2mm	125.2mm					
29C-10X5-FLS	1.6mm	2.5mm	87.1mm		4.25mm	3mm		
29C-11X5-FLS	1.6mm	2.5mm	125.2mm					
29C-20X5-FLS	2.4mm	3.2mm	87.1mm		6.35mm	4.8mm		
29C-21X5-FLS	2.4mm	3.2mm	125.2mm					
29C-30X5-FLS	3.2mm	4.0mm	87.1mm		4.30mm	3.75mm		
29C-31X5-FLS	3.2mm	4.0mm	125.2mm					
29C-40X5-FLS	4.8mm	6.0mm	87.1mm		8.00mm	6.35mm		
29C-41X5-FLS	4.8mm	6.0mm	125.2mm					

5 IMA (Large hub):

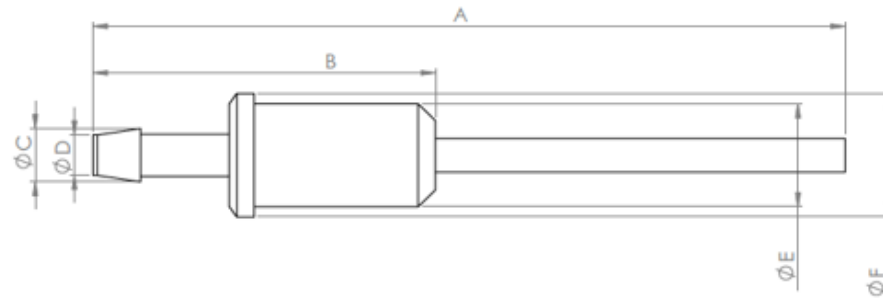


Part Number	Needle ID	Needle OD	A	B	C	D	E	F
29C-00X4-FLS	0.8mm	2.2mm	87.1mm	62.3mm	3.18mm	2.5mm	9mm	15.8mm
29C-01X4-FLS	0.8mm	2.2mm	125.2mm		4.25mm	3mm		
29C-10X4-FLS	1.6mm	2.5mm	87.1mm		6.35mm	4.8mm		
29C-11X4-FLS	1.6mm	2.5mm	125.2mm		4.30mm	3.75mm		
29C-20X4-FLS	2.4mm	3.2mm	87.1mm		8.00mm	6.35mm		
29C-21X4-FLS	2.4mm	3.2mm	125.2mm					
29C-30X4-FLS	3.2mm	4.0mm	87.1mm					
29C-31X4-FLS	3.2mm	4.0mm	125.2mm					
29C-40X4-FLS	4.8mm	6.0mm	87.1mm					
29C-41X4-FLS	4.8mm	6.0mm	125.2mm					

6 Flexicon:

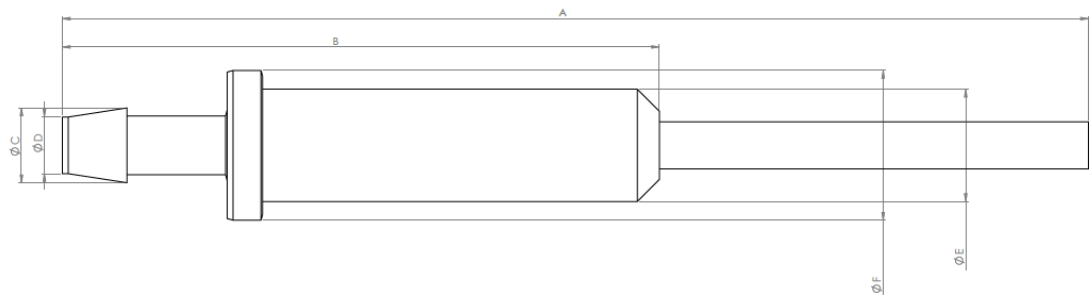


Part Number	Needle ID	Needle OD	A	B	C	D	E	F
29C-00X2-FLS	0.8mm	2.2mm	87.1mm	37.6mm	3.18mm	2.5mm	13mm	19.5mm
29C-01X2-FLS	0.8mm	2.2mm	125.2mm		4.25mm	3mm		
29C-10X2-FLS	1.6mm	2.5mm	87.1mm		6.35mm	4.8mm		
29C-11X2-FLS	1.6mm	2.5mm	125.2mm		4.30mm	3.75mm		
29C-20X2-FLS	2.4mm	3.2mm	87.1mm		8.00mm	6.35mm		
29C-21X2-FLS	2.4mm	3.2mm	125.2mm					
29C-30X2-FLS	3.2mm	4.0mm	87.1mm					
29C-31X2-FLS	3.2mm	4.0mm	125.2mm					
29C-40X2-FLS	4.8mm	6.0mm	87.1mm					
29C-41X2-FLS	4.8mm	6.0mm	125.2mm					



7 Bausch-Stroebe:

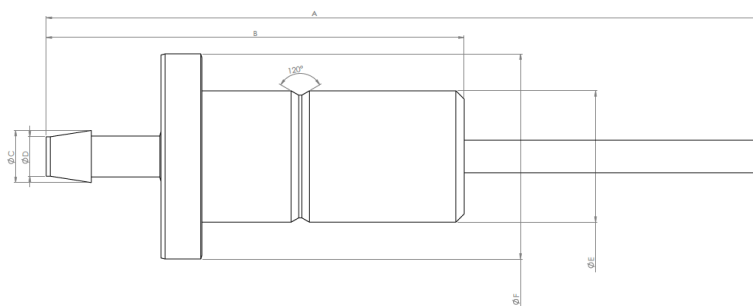
Part Number	Needle ID	Needle OD	A	B	C	D	E	F
29C-00X1-FLS	0.8mm	2.2mm	87.1mm	39.6mm	3.18mm	2.5mm	12.2mm	14.4mm
29C-01X1-FLS	0.8mm	2.2mm	125.2mm		4.25mm	3mm		
29C-10X1-FLS	1.6mm	2.5mm	87.1mm		6.35mm	4.8mm		
29C-11X1-FLS	1.6mm	2.5mm	125.2mm		4.30mm	3.75mm		
29C-20X1-FLS	2.4mm	3.2mm	87.1mm		8.00mm	6.35mm		
29C-21X1-FLS	2.4mm	3.2mm	125.2mm					
29C-30X1-FLS	3.2mm	4.0mm	87.1mm					
29C-31X1-FLS	3.2mm	4.0mm	125.2mm					
29C-40X1-FLS	4.8mm	6.0mm	87.1mm					
29C-41X1-FLS	4.8mm	6.0mm	125.2mm					



8 Cole Parmer:

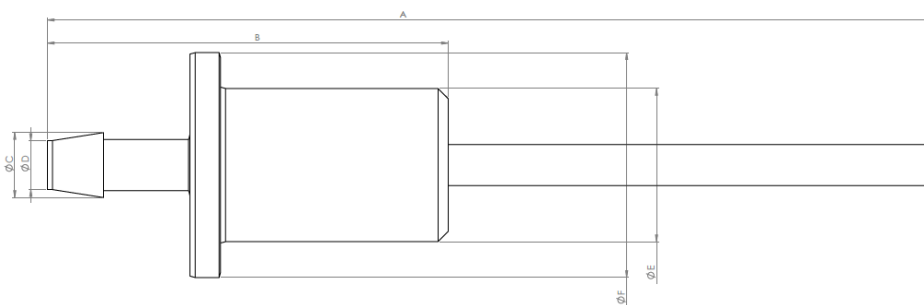
Part Number	Needle ID	Needle OD	A	B	C	D	E	F
29C-00X9-FLS	0.8mm	2.2mm	87.1mm	50.6mm	3.18mm	2.5mm	9.53mm	12.7mm
29C-01X9-FLS	0.8mm	2.2mm	125.2mm		4.25mm	3mm		
29C-10X9-FLS	1.6mm	2.5mm	87.1mm		6.35mm	4.8mm		
29C-11X9-FLS	1.6mm	2.5mm	125.2mm		4.30mm	3.75mm		
29C-20X9-FLS	2.4mm	3.2mm	87.1mm		8.00mm	6.35mm		
29C-21X9-FLS	2.4mm	3.2mm	125.2mm					
29C-30X9-FLS	3.2mm	4.0mm	87.1mm					
29C-31X9-FLS	3.2mm	4.0mm	125.2mm					
29C-40X9-FLS	4.8mm	6.0mm	87.1mm					
29C-41X9-FLS	4.8mm	6.0mm	125.2mm					

9 **Dara:**



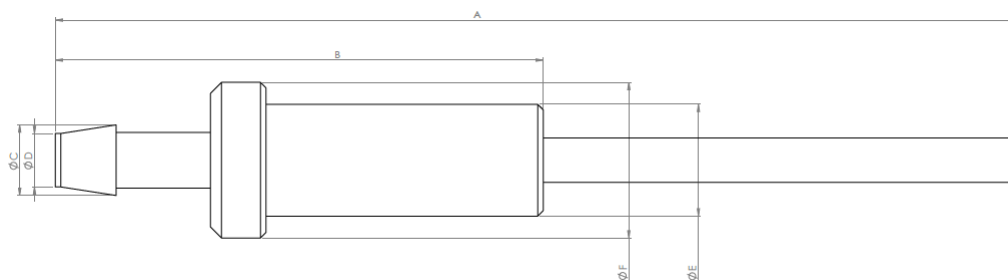
Part Number	Needle ID	Needle OD	A	B	C	D	E	F
29C-00XA-FLS	0.8mm	2.2mm	87.1mm	51.00mm	3.18mm	2.5mm	15.99mm	25.00mm
29C-01XA-FLS	0.8mm	2.2mm	125.2mm		4.25mm	3mm		
29C-10XA-FLS	1.6mm	2.5mm	87.1mm		6.35mm	4.8mm		
29C-11XA-FLS	1.6mm	2.5mm	125.2mm		4.30mm	3.75mm		
29C-20XA-FLS	2.4mm	3.2mm	87.1mm		8.00mm	6.35mm		
29C-21XA-FLS	2.4mm	3.2mm	125.2mm					
29C-30XA-FLS	3.2mm	4.0mm	87.1mm					
29C-31XA-FLS	3.2mm	4.0mm	125.2mm					
29C-40XA-FLS	4.8mm	6.0mm	87.1mm					
29C-41XA-FLS	4.8mm	6.0mm	125.2mm					

10 **Groninger:**



Part Number	Needle ID	Needle OD	A	B	C	D	E	F
29C-00X3-FLS	0.8mm	2.2mm	87.1mm	39.35mm	3.18mm	2.5mm	14.99mm	22mm
29C-01X3-FLS	0.8mm	2.2mm	125.2mm		4.25mm	3mm		
29C-10X3-FLS	1.6mm	2.5mm	87.1mm		6.35mm	4.8mm		
29C-11X3-FLS	1.6mm	2.5mm	125.2mm		4.30mm	3.75mm		
29C-20X3-FLS	2.4mm	3.2mm	87.1mm		8.00mm	6.35mm		
29C-21X3-FLS	2.4mm	3.2mm	125.2mm					
29C-30X3-FLS	3.2mm	4.0mm	87.1mm					
29C-31X3-FLS	3.2mm	4.0mm	125.2mm					
29C-40X3-FLS	4.8mm	6.0mm	87.1mm					
29C-41X3-FLS	4.8mm	6.0mm	125.2mm					

11 Tofflon:



Part Number	Needle ID	Needle OD	A	B	C	D	E	F
29C-00XB-FLS	0.8mm	2.2mm	87.1mm	44.0mm	3.18mm	2.5mm	10.06mm	14.0mm
29C-01XB-FLS	0.8mm	2.2mm	125.2mm		4.25mm	3mm		
29C-10XB-FLS	1.6mm	2.5mm	87.1mm		6.35mm	4.8mm		
29C-11XB-FLS	1.6mm	2.5mm	125.2mm		4.30mm	3.75mm		
29C-20XB-FLS	2.4mm	3.2mm	87.1mm		8.00mm	6.35mm		
29C-21XB-FLS	2.4mm	3.2mm	125.2mm					
29C-30XB-FLS	3.2mm	4.0mm	87.1mm					
29C-31XB-FLS	3.2mm	4.0mm	125.2mm					
29C-40XB-FLS	4.8mm	6.0mm	87.1mm					
29C-41XB-FLS	4.8mm	6.0mm	125.2mm					

Custom Cannula and Hub solutions:

Need something different?

We can design and manufacture **EZBio® Viper Filling Needles** to fit virtually any filling machine on the market. From custom hub geometries to specific lengths, IDs, or connection styles, our engineering team works with you to develop solutions that perfectly integrate into your unique process.



Custom Hubs: Designed to match your machine's holder.



Wide ID Range: From micro-dosing to high-volume fills.



Variable Lengths: Tailored for any container size or fill depth.



Complete Design Support: Work directly with our Engineering team for fully engineered solutions.