

Product Name:	Quick Connector Collection
Product Application:	NEST Quick Connector Collection provide an efficient and convenient aseptic connection solution for single-use bioprocessing systems. When connecting with tubing, the connector can rotate to reduce tube twisting, effectively enhancing operational flexibility, reducing contamination risks, and ensuring process integrity.
Product Material:	Polycarbonate (PC), Medical-grade Silicone Meets ISO 10993
Product Shelf Life:	Temperature Range: Room temperature storage Shelf life after production date: 3 years for male connectors, 5 years for female connectors (provided the packaging remains intact)
Sterilization:	No. Can be sterilized using irradiation (50-55 kGy) or steam sterilization (121°C, 30 min). Irradiation sterilization and high-temperature sterilization are mutually exclusive options, and the combination of the two sterilization methods is not permitted.
BSE/TSE:	These products are deemed animal free.
Performance Testing:	Each manufacturing lot is sampled and tested in accordance with standard operating procedures. Appearance Dimensional Test: qualified Pressure Resistance Test: qualified Temperature Tolerance Test: qualified Insoluble Particulate Test: qualified
Product Features	1. Universally compatible with a wide range of quick connectors available in the market. 2. Meets the biocompatibility requirements of ISO 10993. 3. Undergoes physical testing to withstand 410 kPa (30 minutes) at room temperature without any leakage. 4. Supports irradiation sterilization (50-55 kGy) or autoclaving (121°C, 30min). 5. Large button area with a textured design for added convenience.

Head Office

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Oversea

NEST USA (New Jersey/ Phoenix)
NEST Scientific 株式会社 (Yokohama, Japan)
NEST Scientific Europe B.V (Netherlands)
NEST Scientific (MENA) FZE (Sharjah, United Arab Emirates)

Product Range

Female Quick Connector

Cat.No.	Dia.	/Bag
747311	1/8" (3.2 mm)	25
747321	1/4" (6.4 mm)	25
747331	3/8" (9.5 mm)	25

Female Quick Connector (High Flow Rate)

Cat.No.	Dia.	/Bag
747351	1/2" (12.7mm)	25

Male Quick Connector

Cat.No.	Dia.	/Bag
747211	1/8" (3.2 mm)	25
747221	1/4" (6.4 mm)	25
747231	3/8" (9.5 mm)	25

Male Quick Connector (High Flow Rate)

Cat.No.	Dia.	/Bag
747251	1/2" (12.7mm)	25
747261	3/8" (9.5 mm)	25

Caps and Plugs

Cat.No.	Product	/Bag
747411	Sealing cap	25
747421	Sealing plug	25
747451	Sealing cap (High flow rate)	25
747461	Sealing plug (High flow rate)	25

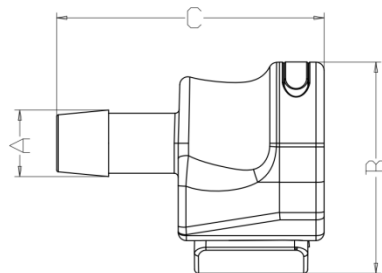
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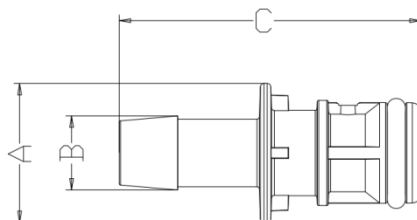
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Technical Drawing



Female Quick Connector

Product	Dia.	A /mm	B /mm	C /mm	Remarks
Female quick connector	1/8" (3.2 mm)	4.7	26.0	28.9	/
	1/4" (6.4 mm)	8.1	26.0	33.0	/
	3/8" (9.5 mm)	11.2	26.0	33.0	/
	1/2" (12.7mm)	15.4	39.7	48.6	High flow rate



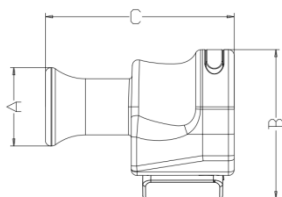
Product	Dia.	A /mm	B /mm	C /mm	Remarks
Male quick connector	1/8" (3.2 mm)	15.2	4.7	28.6	/
	1/4" (6.4 mm)	15.2	8.1	33.0	/
	3/8" (9.5 mm)	15.2	11.2	33.0	/
	1/2" (12.7mm)	22.0	15.4	48.3	High flow rate
	3/8" (9.5 mm)	22.0	11.2	48.3	High flow rate

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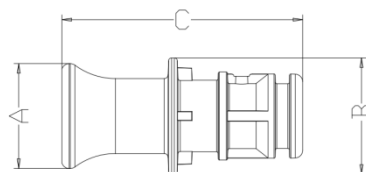
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Sealing cap (High flow rate)



Sealing plug

Product	A /mm	B /mm	C /mm	Remarks
Sealing cap	13.7	26.0	33.0	/
Sealing plug	13.7	15.2	31.6	/
Sealing cap	19.3	39.7	42.3	High flow rate
Sealing plug	19.3	22.0	42.0	High flow rate