

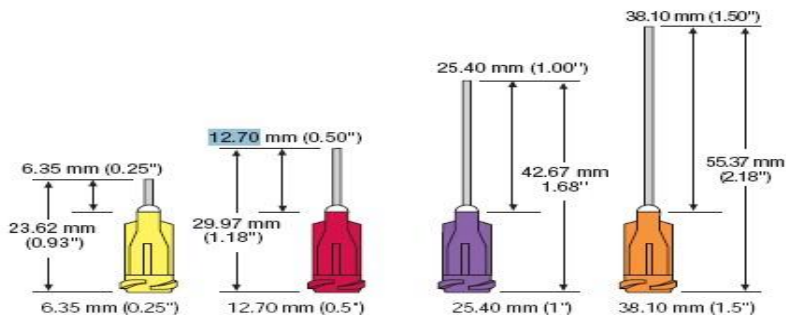


Dispensing Tips

Suzhou Baotailong Electronic Materials Co., Ltd.

General Purpose Tips

General Purpose plastic steel needle, stainless steel tube after rigorous polishing without burr processing, plastic seat part made of PP material, unique double thread design to facilitate the joint lock, not loose, avoid the traditional glue needle glue is easy to be some liquid corrosion, can greatly improve its service life.



Gauge	Color	ID(mm)	OD(mm)	6.35mm (1/4")	12.7mm (1/2")	25.4mm (1")	38.1mm (3/2")
14	Olive	1.54 (0.06")	1.83 (0.072")	9018029	9018043	9018032	9018035
15	Amber	1.36 (0.053")	1.65 (0.065")	9018056	9018068	9018059	9018062
16	Grey	1.19 (0.047")	N/A	9018072	9018073	9018074	9018075
18	Green	0.84 (0.033")	1.27 (0.05")	9018107	9018122	9018110	9018113
20	Pink	0.61 (0.024")	0.91 (0.036")	9018163	9018716	9018166	9018169
21	Purple	0.51 (0.02")	0.82 (0.032")	9005005	9018233	9018222	9018225
22	Blue	0.41 (0.016")	0.72 (0.028")	9018260	9018272	9018263	9018266
23	Orange	0.33 (0.013")	0.65 (0.025")	9018302	9018314	9018305	9018308
25	Red	0.25 (0.01")	0.52 (0.02")	9018333	9018345	9018336	9018339
27	Clear	0.2 (0.008")	0.42 (0.016")	9018395	9005008	N/A	N/A
30	Lavender	0.15 (0.006")	0.31 (0.012")	9018424	9018433	N/A	N/A
30	Black	0.15 (0.006")	0.31 (0.012")	7018448	N/A	N/A	N/A
32	Yellow	0.1 (0.004")	0.24 (0.009")	9018452	N/A	N/A	N/A

Black 30G is ESD safety dispensing tips

Angled Tips

These nozzles are bent 45 or 90 degrees for special dispensing requirements. Special steel pipe bending process to ensure that there is no additional resistance to the flow through the bend.



Gauge	Color	ID(mm)	OD(mm)	12.7mm (45°)	12.7mm (90°)	38.1mm (45°)
14	Olive	1.54(0.06")	1.83(0.072")	9018044	9018045	9016906
15	Amber	1.36(0.053")	1.65(0.065")	9018069	9018070	N/A
16	Grey	1.19(0.047")	N/A	9018076	9018077	N/A
18	Green	0.84(0.033")	1.27(0.05")	9018123	9018124	9016908
20	Pink	0.61(0.024")	0.91(0.036")	9018179	9018180	N/A
21	Purple	0.51(0.02")	0.82(0.032")	9018234	9018235	9016910
22	Blue	0.41(0.016")	0.72(0.028")	9018273	9018274	N/A
23	Orange	0.33(0.013")	0.65(0.025")	9018315	9018316	N/A
25	Red	0.25(0.01")	0.52(0.02")	9018346	9018347	N/A
27	Clear	0.2(0.008")	0.42(0.016")	9018404	9018405	N/A
30	Lavender	0.15(0.006")	0.31(0.012")	9018434	9018435	N/A
32	Yellow	0.1(0.004")	0.24(0.009")	N/A	N/A	N/A

Tapered Tips

Tapered tips funnel type design can make the fluid flow effectApply many fluid, including solder paste, gel, epoxy adhesive, grease, sealing silicone compounds, such as, the double helix design ensures that with all the syringe and the safety of the rubber valve.



No.	Gauge	Color	Length(mm)	ID(mm)
T1	14	Olive	31.6	1.55
T2	16	Grey	31.6	1.35
T3	18	Green	31.6	0.84
TE01	18	Black	31.5	0.84
T4	20	Pink	31.6	0.6
TE02	20	Black	31.5	0.58
T5	22	Blue	31.6	0.41
T6	25	Red	31.6	0.3
TE03	25	Black	31.5	0.25
T7	27	Clear	31.6	0.2
TE04	27	Black	31.5	0.2
T8	30	Lavender	31.6	0.16

Black is the antistatic needle

PTFE-lined Tips

Teflon needle - Features: high precision dispensing of anaerobic glue can be completed; SUS catheter Can avoid the wobble of the nozzle part (steel pipe lining teflon pipe design, Not only can effectively prevent the rapid adhesion of instant amine, but also can ensure the good working directivity of the needle).



Gauge	Color	ID(mm)	OD(mm)	12.7mm (1/2")	25.4mm (1")
20	Grey	0.6	1.1	PT 20050	PT 20100
25	Pink	0.3	0.78	PT 25050	PT 25100
27	Red	0.2	0.55	PT 27050	PT 27100

Flexible Tips

Polypropylene tips include a plastic double helix locking hub, with a polypropylene canula(tubing) based on gauge size. These tips are excellent for dispensing into small areas or through holes. The luer locking helix thread prevents the tip from working loose under pressure. Flexible needle tips for use with most fluids and especially good for reactive adhesives and moisture sensitive fluids such as cyanoacrylate instant glues and most solvent based fluids.



Gauge	Color	ID(mm)	OD(mm)	6.35mm (1/4")	12.7mm (1/2")	25.4mm (1")	38.1mm (3/2")
14	Olive	1.3	1.78	FT 14025	FT 14050	FT 14100	FT 14150
15	Amber	1.1	1.78	FT 15025	FT 15050	FT 15100	FT 15150
16	Grey	1	1.65	FT 15025	FT 15050	FT 15100	FT 15150
18	Green	0.84	1.26	FT 18025	FT 18050	FT 18100	FT 18150
20	Pink	0.6	0.9	FT 20025	FT 20050	FT 20100	FT 20150
22	Blue	0.41	0.7	FT 22025	FT 22050	FT 22100	FT 22150
25	Red	0.3	0.78	FT 25025	FT 25050	FT 25100	FT 25150

Oval Tips



Oval tips applies flat ribbons of thick liquids, such as paste, sealants and flat bands of epoxy resins.

Gauge	Color	ID(mm)	OD(mm)	12.7mm (1/2")	25.4mm (1")	38.1mm (3/2")
14G	Olive	1.55	2.1	OT 14050	OT 14100	OT 14150
15G	Amber	1.35	1.8	OT 15050	OT 15100	OT 15150

Corrosion Resistant Tips

Square seat integrated PP flexible needle, also known as P series dispensing needle, which adopts the production mode of one body forming, to ensure that the needle base and needle tube do not fall off, so it has the characteristics of corrosion resistance. In addition, its needle part has good flexibility and is easy to extend into complex working face, which is mainly designed to prevent scratching the product surface.



Gauge	Color	ID(mm)	OD(mm)	12.7mm (1/2")	25.4mm (1")
14	Clear	1.55	1.84	CRT 14050	CRT 14100
15	Clear	1.2	1.64	CRT 15050	CRT 15100
18	Red	0.84	1.28	CRT 18050	CRT 18100
20	Yellow	0.60	1.05	CRT 20050	CRT 20100
22	Clear	0.40	0.90	CRT 22050	CRT 22100
25	Clear	0.30	0.80	CRT 25050	CRT 25100

Brush Tips

Brush needle, do not lose hair, anti-static, there are white soft bristles and yellow hard bristles two types; The unique design is simple and convenient, to ensure that the glue is accurate and consistent, used for all glue guns, dispensing machines.

Suitable for primer, catalyst, coating material, lubricating oil, solvent, flux, radiating cream, silica gel, ink and paint. Not suitable for quick drying glue and high viscosity colloid.



Gauge	Color	Round(mm)						Flat(mm)			
14	Olive	NA	NA	4	5	6	NA	4	5	6	
15	Amber	NA	NA	4	5	6	NA	4	5	6	
16	Grey	NA	NA	4	5	6	NA	4	5	6	
18	Green	NA	NA	4	5	6	3	4	5	6	
20	Pink	2	3	4	5	6	3	4	5	6	
21	Purple	2	3	4	5	6	3	4	5	6	
22	Blue	2	3	4	5	6	3	4	5	6	
23	Orange	2	3	4	5	6	3	4	5	6	
25	Red	2	3	4	5	6	3	4	5	6	
27	Clear	2	3	4	5	6	3	4	5	6	
30	Lavender	2	3	4	5	6	3	4	5	6	
32	Yellow	2	3	4	5	6	3	4	5	6	

Stainless Steel Tips

precision manufacturing high-precision single pipe with stainless needles, strong corrosion resistance, resistance to heavy load, the most suitable for high speed, high precision, high operation, automation machinery, needles all internal and external precision polishing, any special size can be custom.



Gauge	ID(mm)	OD(mm)	6.35mm (1/4")	12.7mm (1/2")	25.4mm (1")	38.1mm (3/2")
10	2.8	3.5	SS 10025	SS 10050	SS 10100	SS 10150
11	2.5	3	SS 11025	SS 11050	SS 11100	SS 11150
12	2.27	2.77	SS 12025	SS 12050	SS 12100	SS 12150
13	1.94	2.4	SS 13025	SS 13050	SS 13100	SS 13150
14	1.65	1.81	SS 14025	SS 14050	SS 14100	SS 14150
15	1.43	1.81	SS 15025	SS 15050	SS 15100	SS 15150
16	1.25	1.63	SS 16025	SS 16050	SS 16100	SS 16150
17	1.1	1.49	SS 17025	SS 17050	SS 17100	SS 17150
18	0.84	1.28	SS 18025	SS 18050	SS 18100	SS 18150
19	0.71	1.06	SS 19025	SS 19050	SS 19100	SS 19150
20	0.6	0.91	SS 20025	SS 20050	SS 20100	SS 20150
21	0.51	0.81	SS 21025	SS 21050	SS 21100	SS 21150
22	0.41	0.71	SS 22025	SS 22050	SS 22100	SS 22150
23	0.33	0.63	SS 23025	SS 23050	SS 23100	SS 23150
24	0.31	0.56	SS 24025	SS 24050	NA	NA
25	0.26	0.51	SS 25025	SS 25050	SS 25100	SS 25150
26	0.25	0.45	SS 26025	SS 26050	SS 26100	N/M
27	0.21	0.41	SS 27025	SS 27050	SS 27100	SS 27150
30	0.16	0.32	SS 30025	SS 30050	SS 30100	SS 30150
32	0.09	0.25	SS 32025	SS 32050	NA	NA
34	0.06	0.25	SS 34025	SS 34050	NA	NA

Double Head Stainless Steel Tips

Precision manufacturing all stainless steel high precision double tube needles, strong corrosion resistance, heavy load resistance, most suitable for high speed, high precision, high operation, automatic machinery. Precision polishing inside and outside the needle, any size can be customized.



Gauge	ID(mm)	OD(mm)	6.35mm (1/4")	12.7mm (1/2")	25.4mm (1")	38.1mm (3/2")
14	1.65	1.81	DHSS 14025	DHSS 14050	DHSS 14100	DHSS 14150
15	1.43	1.81	DHSS 15025	DHSS 15050	DHSS 15100	DHSS 15150
16	1.25	1.6	DHSS 16025	DHSS 16050	DHSS 16100	DHSS 16150
17	1.1	1.49	DHSS 17025	DHSS 17050	DHSS 17100	DHSS 17150
18	0.84	1.28	DHSS 18025	DHSS 18050	DHSS 18100	DHSS 18150
19	0.71	1.06	DHSS 19025	DHSS 19050	DHSS 19100	DHSS 19150
20	0.6	0.91	DHSS 20025	DHSS 20050	DHSS 20100	DHSS 20150
21	0.51	0.81	DHSS 21025	DHSS 21050	DHSS 21100	DHSS 21150
22	0.41	0.71	DHSS 22025	DHSS 22050	DHSS 22100	DHSS 22150
23	0.33	0.63	DHSS 23025	DHSS 23050	DHSS 23100	DHSS 23150
24	0.31	0.56	DHSS 24025	DHSS 24050	NA	NA
25	0.26	0.51	DHSS 25025	DHSS 25050	DHSS 25100	DHSS 25150
26	0.25	0.45	DHSS 26025	DHSS 26050	DHSS 26100	N/M
27	0.21	0.41	DHSS 27025	DHSS 27050	DHSS 27100	DHSS 27150

High precision needle nozzle

Stably coated solutions containing filler materials are most suitable for high precision and a small amount of spit out. Suitable for very low viscosity fluids and pastes containing particles.



No.	Gauge	OD.(mm)	ID. (mm)
HPT01	0.6N	0.70	0.60
HPT02	0.5N	0.60	0.50
HPT03	0.45N	0.55	0.45
HPT04	0.4N	0.50	0.40
HPT05	0.35N	0.45	0.35
HPT06	0.3N	0.40	0.30
HPT07	0.25N	0.35	0.25
HPT08	0.2N	0.30	0.20
HPT09	0.15N	0.25	0.15
HPT10	0.1N	0.20	0.10
HPT11	HN0.6N	0.80	0.60
HPT12	HN0.5N	0.70	0.50
HPT13	HN0.4N	0.60	0.40
HPT14	HN0.3N	0.50	0.30
HPT15	HN0.25N	0.45	0.25
HPT16	HN0.2N	0.40	0.2
HPT17	HN0.15N	0.25	0.15
HPT18	HN0.1N	0.20	0.1

Aluminum hub Tips

On the basis of the conventional dispensing needle, the connecting mode between the needle holder and the steel tube is changed to aluminum-inlay riveting, which greatly improves the tensile resistance. More importantly, it is important to avoid the danger of damage and corrosion of some liquid of conventional dispensing needle, so as to improve the service life of the needle.



Gauge	Color	ID(mm)	OD(mm)	12.7mm(1/2")
14	Olive	1.65	1.81	AT 14050
15	Amber	1.4	1.81	AT 15050
16	Grey	1.19	1.62	AT 16050
18	Green	0.84	1.28	AT 18050
20	Pink	0.6	0.91	AT 20050
21	Purple	0.51	0.81	AT 21050
22	Blue	0.41	0.71	AT 22050
23	Orange	0.33	0.63	AT 23050
25	Red	0.26	0.51	AT 25050

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