

Nozzles for Electrostatic Encapsulator



Nisco Engineering AG

Wehntalerstrasse 562
CH-8046 Zurich, Switzerland

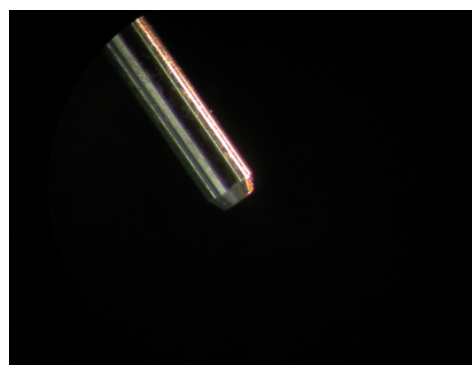
Tel: +41 44 380 06 30
Fax: +41 44 380 06 31
e-mail: mailbox@nisco.ch
<http://www.nisco.ch>

Nozzles with Flat Cut Nozzle Tip,
body chromium plated
(size is given in mm)



OD [mm]	ID [mm]
0.20	0.09
0.25	0.12
0.35	0.17
0.50	0.25
0.70	0.40
0.80	0.50
0.90	0.60
1.10	0.70
1.20	0.80
1.30	0.90
1.50	1.00
1.60	1.10
1.70	1.20
1.80	1.30
2.00	1.50
2.40	1.80
2.60	2.00

Nozzles with Conical Polished
Nozzle Tip (size is given in mm)



OD [mm]	ID [mm]
0.20	0.09
0.25	0.12
0.35	0.17
0.50	0.25
0.50	0.30
0.80	0.50
0.70	0.40
0.90	0.60
1.10	0.70

Advantages of the conical nozzle tip:

- smaller drops with given diameter
- better bead quality
- less "small side beads"

Material quality

(for both types of nozzle tips):

body: brass chromium plated

tube: stainless steel 1.4301

Option:

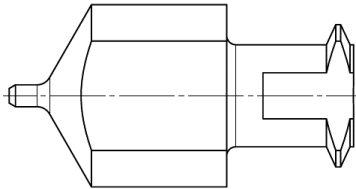
body: stainless steel 1.4435

tube: stainless steel 1.4301

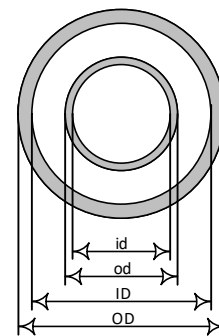
Stainless Steel Nozzle with polished end

Material: 1.4435 / Form A

OD [mm]	ID [mm]
1,20	0,80
1,10	0,70
0,90	0,60
0,80	0,50
0,70	0,40
0,50	0,30
0,50	0,25



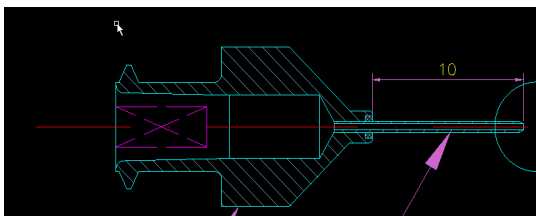
Coaxial nozzles (size is given in mm)



Stainless Steel Nozzle with polished end

Material: (body 1.4435, needle 1.4301)
/ Form B

OD [mm]	ID [mm]
0,35	0,17
0,25	0,12
0,20	0,09



Coaxial tube for two types of medium

Inner nozzle od/id [mm]	Outer nozzle OD/ID [mm]	Size of Coaxial Channel $s = (ID - od) / 2$ [mm]
0.2 / 0.09	0.6 / 0.4	0.1
0.25 / 0.11	0.7 / 0.45	0.1
0.3 / 0.15	0.8 / 0.50	0.1
0.5 / 0.25	1.0 / 0.75	0.125
0.6 / 0.35	1.1 / 0.8	0.1

Material quality:

body: stainless steel 1.4435,

tubes: stainless steel 1.4301