

CHAPTER 1

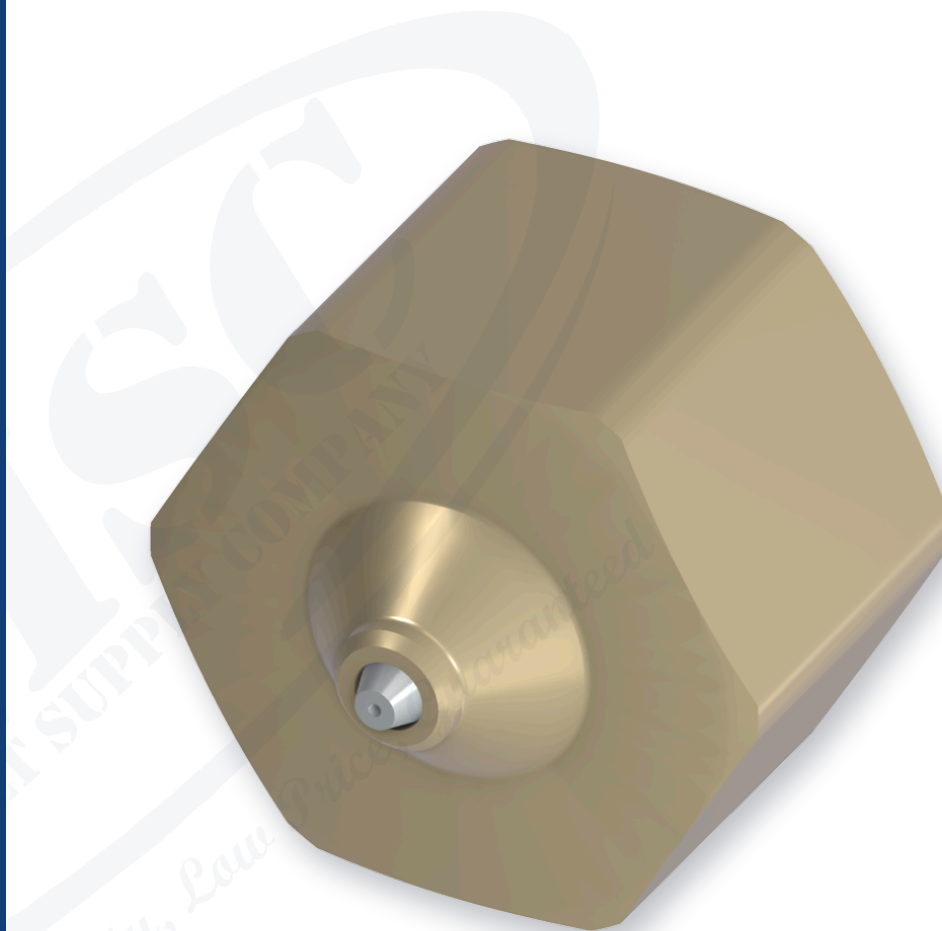
Nozzles

Nozzle Identification and Ordering Guide

Pencil, right angle and button nozzles for H200 modules. Identify the type, orifice and angle, cross the Nordson, Valco and Graco numbers.

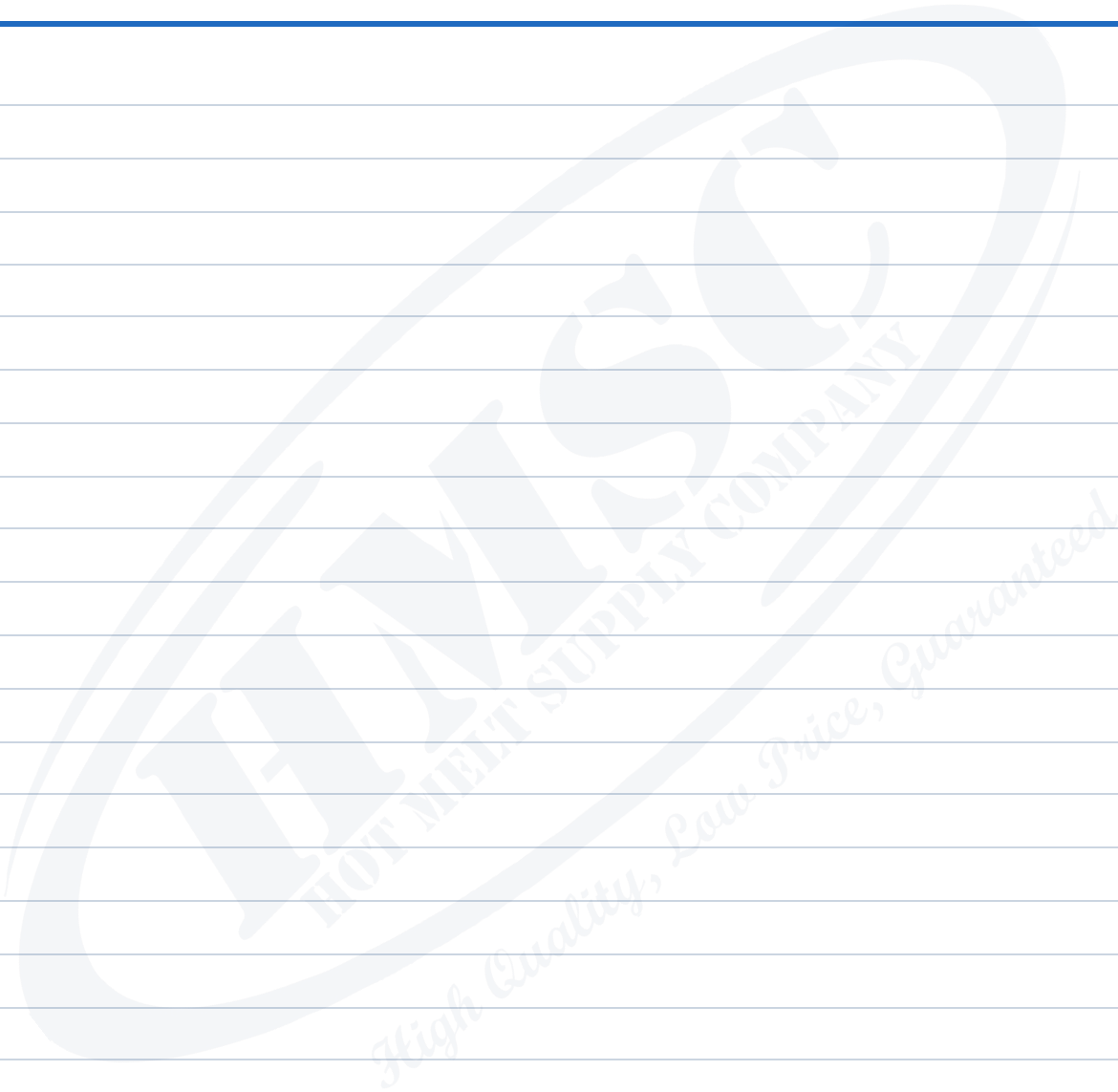
Revision 10/2026

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Notes





Nozzle Identification and Ordering Guide

Nozzle Identification and Ordering Guide

H200 nozzles come in three types. Identify the type by its shape, then read the orifice size on the hex. Engagement length or angle completes the part number.

1 Nozzle type

Pencil (straight), right angle, or button. See the pictures at right.

2 Orifice size

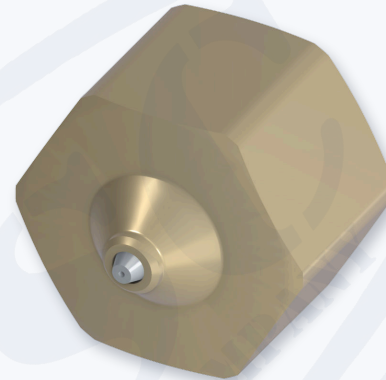
HMSC nozzles are marked with the orifice size on the lower half of the hex face. Original Nordson Saturn nozzles use a color coded lower ring (page 1-4).

3 Engagement length or angle

Pencil: engagement length .050, .075, .100, .150 or .300 (page 1-2).

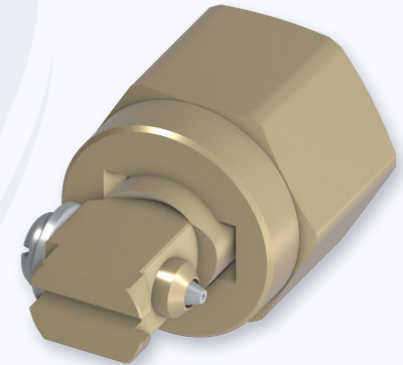
Right angle: single 90 degree, or dual 15 or 30 degree (page 1-3).

Button: number of orifices and spray angle (page 1-3).



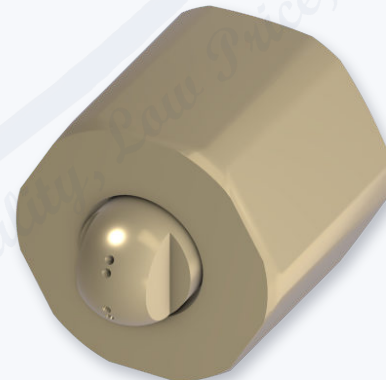
Pencil

Straight, single orifice. Families 3220xx to 3224xx.



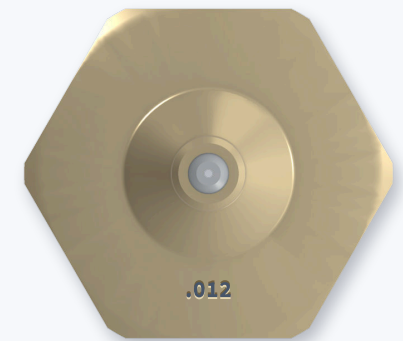
Right angle

Shoots sideways. Single (10110xx) or dual (10158xx, 10159xx).



Button

Low profile dome, one to three orifices. 238xxx.



Orifice size marking

Lower half of the hex face.



ORIFICE SIZE AND ENGAGEMENT LENGTH

Pencil Nozzles

Nozzle Identification and Ordering Guide

Orifice size Marked on the lower half of the hex face



Read the orifice size in inches on the lower half of the hex face. Sizes run from .008 to .040.

Engagement length The length of the orifice bore



Engagement length is the length of the small orifice bore inside the insert. The .050 to .150 nozzles look the same from outside, so confirm with the part number on the package or your order history. The .300 nozzle has a visibly longer tip. 322030 and 322040 are .150 engagement despite the 3220 number.

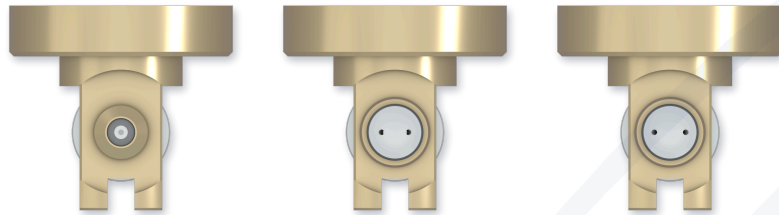


COUNT THE ORIFICES AND READ THE ANGLE

Right Angle and Button Nozzles

Nozzle Identification and Ordering Guide

Right angle Look at the orifice face



Single

1 orifice, 90 degree. 10110xx



Dual 15

2 orifices, 15 degree total.



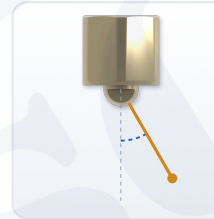
Dual 30

2 orifices, 30 degree total.



One hole = single. Two holes = dual. Dual 15 and dual 30 look alike from the front; the angle between the two streams is 15 or 30 degrees total. Confirm with the marking or package.

Button Shoots down onto the product



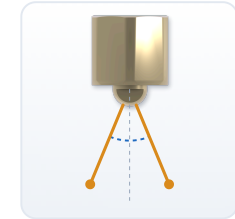
Single 30

1 orifice, 30 degrees off center



Dual 15

2 orifices, 15 degrees apart



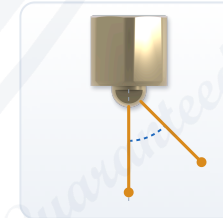
Dual 45

2 orifices, 45 degrees apart



Dual 0/15

2 orifices, one on center, one 15 degrees off center



Dual 0/45

2 orifices, one on center, one 45 degrees off center



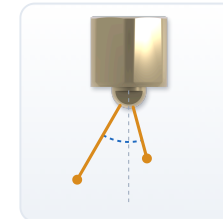
Triple 30

3 orifices, 30 degrees across (center and ± 15)



Triple 45

3 orifices, 45 degrees across (center and ± 22.5)



Triple Radial 30

3 orifices 120 degrees apart around the dome, each 30 degrees off center



Quad 40

4 orifices, 40 degrees across

Single: angle off center. Dual: angle between the two streams. Dual 0/A: one on center, one A off center. Triple and quad: total angle across the outer streams. See the pattern chart for every size.



Nordson Saturn Color Code

Original Nordson Saturn nozzles carry two colored rings. The top band shows engagement length (pencil) or angle (right angle). The lower band shows orifice size. Each cell shows the top band, part number and lower band.

Pencil nozzles

Orifice (lower band) / Engagement (top band)	.050 Purple	.075 Brown	.100 Blue	.150 Green	.300 Black
.008 Purple	322008				
.010 Blue	322010	322110			
.012 Green	322012	322112	322212	322312	322412
.014 Yellow	322014	322114	322214	322314	322414
.016 Orange	322016	322116	322216	322316	322416
.018 Red	322018	322118	322218	322318	322418
.020 Beige	322020	322120	322220	322320	
.021 Brown					322421
.024 Gray	322024	322124	322224	322324	322424
.028 Black	322028			322328	322428
.040 Turquoise				322040*	

* 322040: .150 engagement despite the 3220 number.

Right angle nozzles

Orifice (lower band) / Angle (top band)	Single 90 Purple	Dual 15 Brown	Dual 30 Blue
.008 Purple	1011008		
.010 Blue	1011010		
.012 Green	1011012	1015812	1015912
.014 Yellow	1011014	1015814	1015914
.016 Orange	1011016	1015816	1015916
.018 Red	1011018	1015818	1015918
.020 Beige	1011020	1015820	1015920
.024 Gray	1011024	1015824	1015924
.028 Black	1011028	1015828	1015928
.032 Gold	1011032		
.040 Turquoise	1011040		

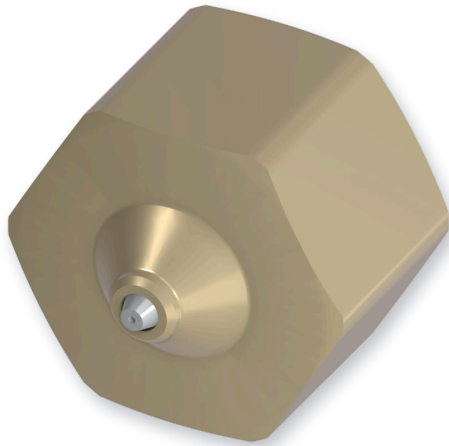
The Saturn color code and part numbers are the property of Nordson Corporation and are shown for identification reference only. Nordson and Saturn are trademarks of Nordson Corporation. Hot Melt Supply Company is not affiliated with Nordson Corporation. HMSC nozzles are marked with the orifice size on the hex instead of rings.



WHAT SETS OUR NOZZLES APART

HMSC Nozzle Features

Nozzle Identification and Ordering Guide



Phosphor brass body, stainless steel insert



Precision drilled orifice, ± 0.0005 in.

- 1 High quality phosphor brass**
Nozzle bodies are machined from high quality phosphor brass.
- 2 Precision drilled orifices**
Orifice diameter is held to ± 0.0005 in. Precision drilled holes shoot straighter.
- 3 Less drool**
Our drilled orifices are less likely to drool than aftermarket nozzles made with pressed in hypodermic needle stock.

Every nozzle is checked by hand

1

Probed

Orifice hand probed and inspected

2

Inserted and crimped

Insert pressed in and crimped

3

Straightness

Inspected for a straight stream

4

Packaged

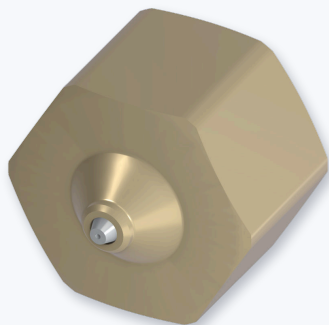
Labeled and packaged

Button nozzles are one piece, precision drilled brass with no insert.



Pencil Nozzles: .050 Engagement

Nozzle Identification and Ordering Guide



Type Pencil (straight)
Engagement .050
Nordson 322 0xx (old 237 2xx)
Saturn top band  Purple
Note 322030 and 322040 are .150 engagement, listed with the .150 nozzles



HMS-N-322008

Replaces Nordson 322008
Also 237208
Valco 971xx101
Graco 130010
.008 orifice · .050 engagement



HMS-N-322012

Replaces Nordson 322012
Also 237212
Valco 971xx103
Graco 130012
.012 orifice · .050 engagement



HMS-N-322016

Replaces Nordson 322016
Also 237216
Valco 971xx105
Graco 130014
.016 orifice · .050 engagement



HMS-N-322020

Replaces Nordson 322020
Also 237220
Valco 971xx107
Graco 130016
.020 orifice · .050 engagement



HMS-N-322028

Replaces Nordson 322028
Also 237228
Graco 130018
.028 orifice · .050 engagement



HMS-N-322010

Replaces Nordson 322010
Also 237210
Valco 971xx102
Graco 130011
.010 orifice · .050 engagement



HMS-N-322014

Replaces Nordson 322014
Also 237214
Valco 971xx104
Graco 130013
.014 orifice · .050 engagement



HMS-N-322018

Replaces Nordson 322018
Also 237218
Valco 971xx106
Graco 130015
.018 orifice · .050 engagement



HMS-N-322024

Replaces Nordson 322024
Also 237224, 237622
Valco 971xx108
Graco 130017
.024 orifice · .050 engagement

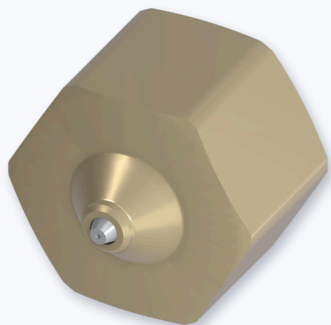


Scan a QR code or click a part to open its page at www.hotmeltsupplyco.com. Orifice sizes in inches. Graco numbers are InvisiPac nozzles of the same geometry; Graco and InvisiPac are trademarks of Graco Inc., not affiliated with Hot Melt Supply Company.



Pencil Nozzles: .075 Engagement

Nozzle Identification and Ordering Guide



Type Pencil (straight)
Engagement .075
Nordson 322 1xx (old 237 3xx)
Saturn top band  Brown



HMS-N-322110
Replaces Nordson 322110
Also 237310, 237621
Valco 971xx202
Graco 130028
.010 orifice · .075 engagement



HMS-N-322112
Replaces Nordson 322112
Also 237312
Valco 971xx203
Graco 130029
.012 orifice · .075 engagement



HMS-N-322114
Replaces Nordson 322114
Also 237314
Valco 971xx204, 971xx208
Graco 130030
.014 orifice · .075 engagement



HMS-N-322116
Replaces Nordson 322116
Also 237316
Valco 971xx205
Graco 130031
.016 orifice · .075 engagement



HMS-N-322118
Replaces Nordson 322118
Also 237318
Valco 971xx206
Graco 130032
.018 orifice · .075 engagement



HMS-N-322120
Replaces Nordson 322120
Also 237320
Valco 971xx207
Graco 130033
.020 orifice · .075 engagement



HMS-N-322124
Replaces Nordson 322124
Also 237324, 237623
Graco 130034
.024 orifice · .075 engagement



HMS-N-237328
Replaces Nordson 237328
.028 orifice · .075 engagement

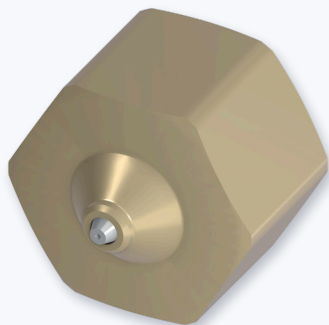


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Pencil Nozzles: .100 Engagement

Nozzle Identification and Ordering Guide



Type Pencil (straight)
Engagement .100
Nordson 322 2xx (old 237 4xx)
Saturn top band  Blue



HMS-N-322212

Replaces Nordson 322212
Also 237412
Valco 971xx303
Graco 130041
.012 orifice · .100 engagement



HMS-N-322214

Replaces Nordson 322214
Also 237414, 239865
Valco 971xx304
Graco 130042
.014 orifice · .100 engagement



HMS-N-322216

Replaces Nordson 322216
Also 237416
Valco 971xx305
Graco 130043
.016 orifice · .100 engagement



HMS-N-322218

Replaces Nordson 322218
Also 237418
Valco 971xx306
Graco 130044
.018 orifice · .100 engagement



HMS-N-322220

Replaces Nordson 322220
Also 237420
Valco 971xx307
Graco 130045
.020 orifice · .100 engagement



HMS-N-322224

Replaces Nordson 322224
Also 237624
Valco 971xx308, 971xx408
Graco 130046
.024 orifice · .100 engagement

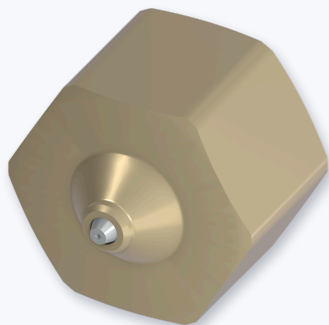


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Pencil Nozzles: .150 Engagement

Nozzle Identification and Ordering Guide



Type Pencil (straight)
Engagement .150
Nordson 322 3xx (old 237 6xx)
Saturn top band Green
Note 322030 and 322040: .150 engagement despite the 3220 number



HMS-N-322312

Replaces Nordson 322312
Also 237612
Valco 971xx403
Graco 130055
.012 orifice · .150 engagement



HMS-N-322314

Replaces Nordson 322314
Also 237614
Valco 971xx404
Graco 130056
.014 orifice · .150 engagement



HMS-N-322316

Replaces Nordson 322316
Also 237616
Valco 971xx405
Graco 130057
.016 orifice · .150 engagement



HMS-N-322318

Replaces Nordson 322318
Also 237618
Valco 971xx406
Graco 130058
.018 orifice · .150 engagement



HMS-N-322320

Replaces Nordson 322320
Also 237620
Valco 971xx407
Graco 130059
.020 orifice · .150 engagement



HMS-N-322324

Replaces Nordson 322324
Also 237625
Valco 971xx408
Graco 130060
.024 orifice · .150 engagement



HMS-N-322328

Replaces Nordson 322328
Also 1058927, 237628
Graco 130061
.028 orifice · .150 engagement



HMS-N-322030

Replaces Nordson 322030
Also 237230, 237330, 237630
.030 orifice · .150 engagement despite the 3220 number



HMS-N-322040

Replaces Nordson 322040
.040 orifice · .150 engagement despite the 3220 number

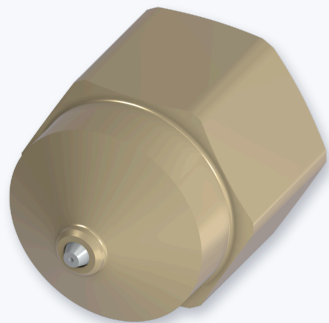


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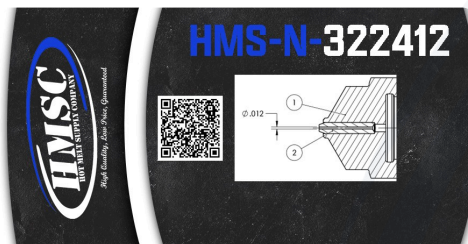


Pencil Nozzles: .300 Engagement

Nozzle Identification and Ordering Guide



Type Pencil (straight)
Engagement .300
Nordson 322 4xx (old 237 0xx)
Saturn top band  Black



HMS-N-322412
Replaces Nordson 322412
Also 237003
Valco 971xx501
Graco 130070
.012 orifice · .300 engagement



HMS-N-322414
Replaces Nordson 322414
Also 237005
Valco 971xx502
Graco 130071
.014 orifice · .300 engagement



HMS-N-322416
Replaces Nordson 322416
Also 237008
Valco 971xx503
Graco 130072
.016 orifice · .300 engagement



HMS-N-322418
Replaces Nordson 322418
Also 237018
Valco 971xx504
Graco 130073
.018 orifice · .300 engagement



HMS-N-322421
Replaces Nordson 322421
Also 237027
Valco 971xx505
Graco 130074
.021 orifice · .300 engagement



HMS-N-322424
Replaces Nordson 322424
Also 237040, 3017000
Valco 971xx506
Graco 130075
.024 orifice · .300 engagement



HMS-N-322428
Replaces Nordson 322428
Also 237060, 351090
Valco 971xx507
Graco 130076
.028 orifice · .300 engagement



HMS-N-237070
Replaces Nordson 237070
Also 3018000
.030 orifice · .300 engagement

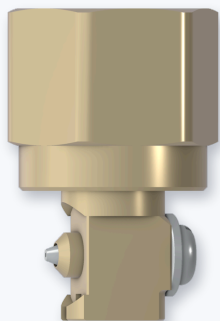


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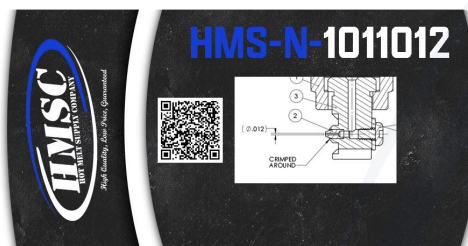


Right Angle Nozzles: Single Orifice

Nozzle Identification and Ordering Guide



Type Right angle
Orifices Single, 90 degree
Nordson 1011 0xx (old 320 0xx)
Saturn top band  Purple



HMS-N-1011008
Replaces Nordson 1011008
Also 320008, 707867
Valco 974xx001
Graco 130109
.008 orifice · Single, 90 degree

HMS-N-1011012
Replaces Nordson 1011012
Also 238739, 244518, 320012
Valco 974xx003
Graco 130111
.012 orifice · Single, 90 degree

HMS-N-1011016
Replaces Nordson 1011016
Also 244520, 320016
Valco 974xx005
Graco 130113
.016 orifice · Single, 90 degree

HMS-N-1011020
Replaces Nordson 1011020
Also 238743, 270853, 320020
Valco 974xx007
Graco 130115
.020 orifice · Single, 90 degree

HMS-N-1011028
Replaces Nordson 1011028
Also 271022, 320028
Valco 974xx009
Graco 130117
.028 orifice · Single, 90 degree

HMS-N-1011032
Replaces Nordson 1011032
Also 231149, 320032
Valco 974xx010
Graco 130118
.032 orifice · Single, 90 degree

HMS-N-1011010
Replaces Nordson 1011010
Also 270842, 320010, 714847
Valco 974xx002
Graco 130110
.010 orifice · Single, 90 degree

HMS-N-1011014
Replaces Nordson 1011014
Also 244519, 320014
Valco 974xx004
Graco 130112
.014 orifice · Single, 90 degree

HMS-N-1011018
Replaces Nordson 1011018
Also 130114, 165774, 320018
Valco 974xx006
Graco 130114
.018 orifice · Single, 90 degree

HMS-N-1011024
Replaces Nordson 1011024
Also 165775, 320024
Valco 974xx008
Graco 130116
.024 orifice · Single, 90 degree

HMS-N-1011030
Replaces Nordson 1011030
Also 165782, 320030
.030 orifice · Single, 90 degree

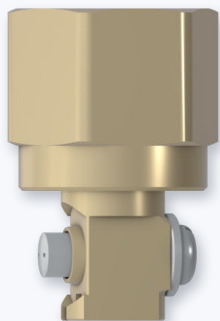
HMS-N-1011040
Replaces Nordson 1011040
Also 320040, 804832
Valco 974xx011
Graco 130119
.040 orifice · Single, 90 degree

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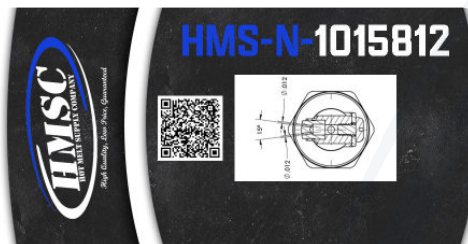


Right Angle Nozzles: Dual 15 Degree

Nozzle Identification and Ordering Guide



Type Right angle
Orifices Dual, 15 degree total
Nordson 1015 8xx (old 320 1xx)
Saturn top band  Brown



HMS-N-1015812

Replaces Nordson 1015812
Also 165776, 320112
Valco 974xx203
Graco 130211
.012 orifice · Dual, 15 degree



HMS-N-1015814

Replaces Nordson 1015814
Also 273384, 320114
Valco 974xx204
Graco 130212
.014 orifice · Dual, 15 degree



HMS-N-1015816

Replaces Nordson 1015816
Also 320116, 804047
Valco 974xx205
Graco 130213
.016 orifice · Dual, 15 degree



HMS-N-1015818

Replaces Nordson 1015818
Also 165777, 320118
Valco 974xx206
Graco 130214
.018 orifice · Dual, 15 degree



HMS-N-1015820

Replaces Nordson 1015820
Also 271938, 320120
Valco 974xx207
Graco 130215
.020 orifice · Dual, 15 degree



HMS-N-1015824

Replaces Nordson 1015824
Also 165778, 320124
Valco 974xx208
Graco 130216
.024 orifice · Dual, 15 degree



HMS-N-1015828

Replaces Nordson 1015828
Also 165779, 320128
Valco 974xx209
Graco 130217
.028 orifice · Dual, 15 degree

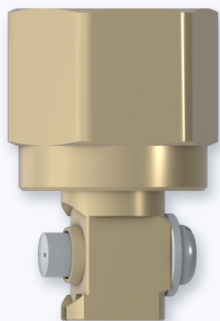


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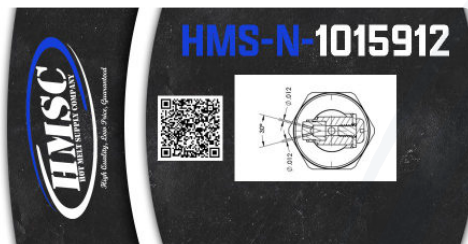


Right Angle Nozzles: Dual 30 Degree

Nozzle Identification and Ordering Guide



Type Right angle
Orifices Dual, 30 degree total
Nordson 1015 9xx (old 320 2xx)
Saturn top band  Blue



HMS-N-1015912

Replaces Nordson 1015912
Also 270698, 320212
Valco 974xx403
Graco 130218
.012 orifice · Dual, 30 degree



HMS-N-1015914

Replaces Nordson 1015914
Also 270699, 320214
Valco 974xx404
Graco 130219
.014 orifice · Dual, 30 degree



HMS-N-1015916

Replaces Nordson 1015916
Also 270700, 320216
Valco 974xx405
Graco 130220
.016 orifice · Dual, 30 degree



HMS-N-1015918

Replaces Nordson 1015918
Also 130221, 165780, 320218
Valco 974xx406
Graco 130221
.018 orifice · Dual, 30 degree



HMS-N-1015920

Replaces Nordson 1015920
Also 320220, 709786
Valco 974xx407
Graco 130222
.020 orifice · Dual, 30 degree



HMS-N-1015924

Replaces Nordson 1015924
Also 165781, 320224
Valco 974xx408
Graco 130223
.024 orifice · Dual, 30 degree



HMS-N-1015928

Replaces Nordson 1015928
Also 320228, 808792
Valco 974xx409
Graco 130224
.028 orifice · Dual, 30 degree



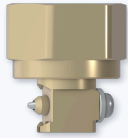
Scan a QR code or click a part to open its page at www.hotmeltsupplyco.com. Orifice sizes in inches. Graco numbers are InvisiPac nozzles of the same geometry; Graco and InvisiPac are trademarks of Graco Inc., not affiliated with Hot Melt Supply Company.



LESS COMMON ANGLES AND ORIFICE PATTERNS

Right Angle Nozzles: Dual 90/60

Nozzle Identification and Ordering Guide

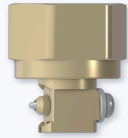


HMS-N-165783

Replaces Nordson
165783

Also 1048113
Graco 130400

**.012 orifice · right
angle Dual 90/60°**

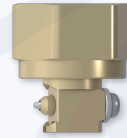


HMS-N-710591

Replaces Nordson
710591

Graco 130403

**.014 orifice · right
angle Dual 90/60°**

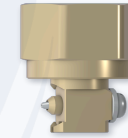


HMS-N-809882

Replaces Nordson
809882

Graco 130404

**.016 orifice · right
angle Dual 90/60°**

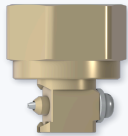


HMS-N-165784

Replaces Nordson
165784

Graco 130401

**.020 orifice · right
angle Dual 90/60°**



HMS-N-165785

Replaces Nordson
165785

Graco 130402

**.028 orifice · right
angle Dual 90/60°**



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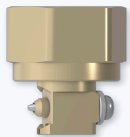


THREE ORIFICES, 19 OR 22.5 DEGREES APART

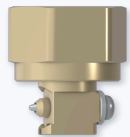
Right Angle Nozzles: Triple

Nozzle Identification and Ordering Guide

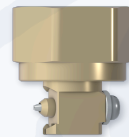
Triple 19 degree



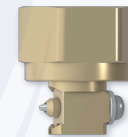
HMS-N-142898
Replaces Nordson
142898
Graco 130300
.010 orifice • right
angle Triple 19°



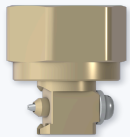
HMS-N-165786
Replaces Nordson
165786
Graco 130301
.012 orifice • right
angle Triple 19°



HMS-N-165787
Replaces Nordson
165787
Graco 130302
.014 orifice • right
angle Triple 19°



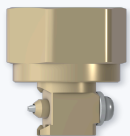
HMS-N-806540
Replaces Nordson
806540
Graco 130303
.016 orifice • right
angle Triple 19°



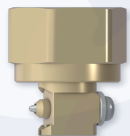
HMS-N-808625
Replaces Nordson
808625
Graco 130304
.020 orifice • right
angle Triple 19°



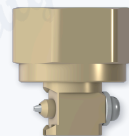
Triple 22.5 degree



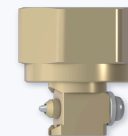
HMS-N-165788
Replaces Nordson
165788
Graco 130305
.012 orifice • right
angle Triple 22.5°



HMS-N-806199
Replaces Nordson
806199
Graco 130308
.014 orifice • right
angle Triple 22.5°



HMS-N-165789
Replaces Nordson
165789
Graco 130306
.016 orifice • right
angle Triple 22.5°



HMS-N-165790
Replaces Nordson
165790
Graco 130307
.020 orifice • right
angle Triple 22.5°

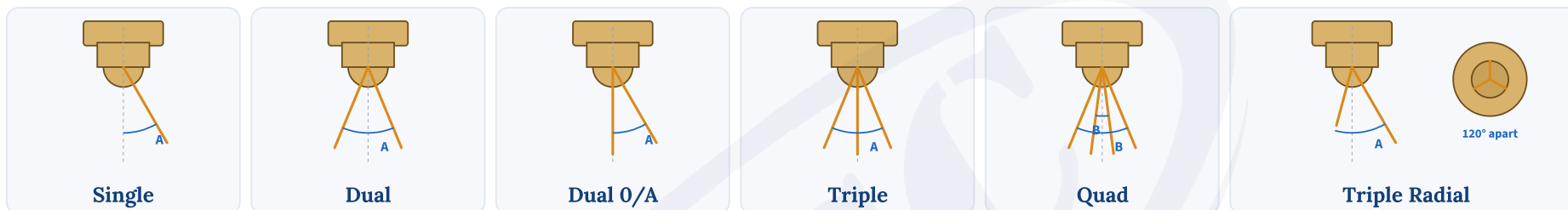




HOW THE ANGLE IS MEASURED, AND EVERY SIZE

Button (Domed) Nozzle Patterns

Nozzle Identification and Ordering Guide



Pattern / orifice (in.)	.008	.010	.012	.014	.016	.018	.020	.024	.030
Single 15°		703299	706078		238015	704891	702927		238016
Single 30°		704542	714977		238017		238018	804520	238019
Single 45°		703464	705512	702598	238020	707218	238021		238022
Single 60°			706057		238023		238024		238025
Dual 15°		238059	238053	238063	238054	130495	238055		238056
Dual 20°		238060	238062	715190	114927	238067			
Dual 30°	804871	703270	238506	704936	114928	805512	238500	238026	238501
Dual 45°	238534	238525	238526	238527	238528	238529	238530	238027	238531
Dual 60°		238061	709371	238064	238028	238068	238029		238030
Dual 0/15°			805397	715462	238031		238032		238033
Dual 0/45°		119360	804761	132567	238034	715872	238035		238036
Triple 30°			238037	238065	238038	238069	238039	238071	238040
Triple 45°			238041	238066	238042	238070	238510	238072	
Triple 60°			238043	807506	238044	708028	238045		238046
Triple Radial 30°	805257		238047		238048		238049		238050
Quad 40°		709479	714855	714856	808696		238051		238052

703299 stocked by HMSC, part HMS-N- plus the Nordson number (click to open) **715190** made to order, call 1-888-202-1788

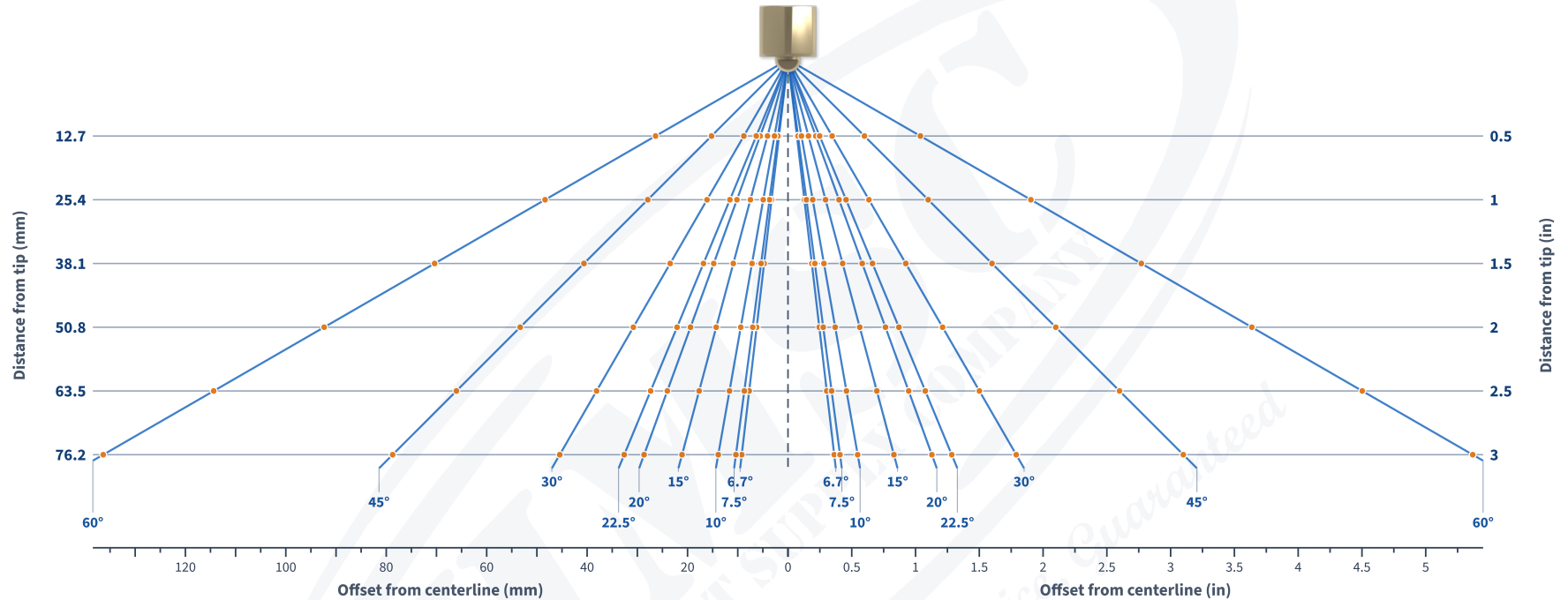
Chart layout and Nordson part numbers are shown for identification reference and are the property of Nordson Corporation. A and B = angle between orifices, or from the centerline where shown. Hot Melt Supply Company is not affiliated with Nordson Corporation.



PRODUCT UP TO 3 IN FROM THE TIP

Button Nozzle Bead Position

Nozzle Identification and Ordering Guide

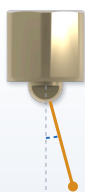


Stream	Patterns	0.5 in 12.7 mm	1 in 25.4 mm	1.5 in 38.1 mm	2 in 50.8 mm	2.5 in 63.5 mm	3 in 76.2 mm
6.7°	Quad 40	0.07 1.8	0.13 3.3	0.19 4.8	0.25 6.2	0.30 7.7	0.36 9.2
7.5°	Dual 15	0.08 2.0	0.14 3.7	0.21 5.3	0.28 7.0	0.34 8.7	0.41 10.4
10°	Dual 20	0.11 2.7	0.19 4.9	0.28 7.2	0.37 9.4	0.46 11.6	0.55 13.9
15°	Single 15, Dual 30, Dual 0/15, Triple 30	0.16 4.1	0.29 7.5	0.43 10.9	0.56 14.3	0.70 17.7	0.83 21.1
20°	Quad 40	0.22 5.5	0.40 10.2	0.58 14.8	0.76 19.4	0.95 24.0	1.13 28.7
22.5°	Dual 45, Triple 45	0.25 6.3	0.46 11.6	0.66 16.8	0.87 22.1	1.08 27.3	1.28 32.6
30°	Single 30, Dual 60, Triple 60	0.35 8.8	0.63 16.1	0.92 23.5	1.21 30.8	1.50 38.1	1.79 45.5
45°	Single 45, Dual 0/45	0.60 15.2	1.10 27.9	1.60 40.6	2.10 53.3	2.60 66.0	3.10 78.7
60°	Single 60	1.04 26.4	1.90 48.4	2.77 70.4	3.64 92.4	4.50 114.4	5.37 136.4

Offset from the nozzle centerline, inches in bold, millimeters in gray. Approximate: pressure, temperature, viscosity and line speed move the bead.



Button Nozzles

**HMS-N-703299**

Replaces Nordson 703299
Single 15° · .010 orifice
1 orifice, 15 degrees off center

**HMS-N-706078**

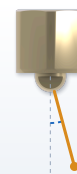
Replaces Nordson 706078
Graco 130819
Single 15° · .012 orifice
1 orifice, 15 degrees off center

**HMS-N-238015**

Replaces Nordson 238015
Graco 130800
Single 15° · .016 orifice
1 orifice, 15 degrees off center

**HMS-N-704891**

Replaces Nordson 704891
Graco 130816
Single 15° · .018 orifice
1 orifice, 15 degrees off center

**HMS-N-702927**

Replaces Nordson 702927
Graco 130812
Single 15° · .020 orifice
1 orifice, 15 degrees off center

**HMS-N-238016**

Replaces Nordson 238016
Graco 130801
Single 15° · .030 orifice
1 orifice, 15 degrees off center

**HMS-N-704542**

Replaces Nordson 704542
Graco 130815
Single 30° · .010 orifice
1 orifice, 30 degrees off center

**HMS-N-714977**

Replaces Nordson 714977
Graco 130821
Single 30° · .012 orifice
1 orifice, 30 degrees off center

**HMS-N-238017**

Replaces Nordson 238017
Graco 130802
Single 30° · .016 orifice
1 orifice, 30 degrees off center

**HMS-N-238018**

Replaces Nordson 238018
Graco 130803
Single 30° · .020 orifice
1 orifice, 30 degrees off center

**HMS-N-804520**

Replaces Nordson 804520
Graco 130822
Single 30° · .024 orifice
1 orifice, 30 degrees off center

**HMS-N-238019**

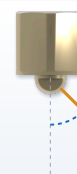
Replaces Nordson 238019
Graco 130804
Single 30° · .030 orifice
1 orifice, 30 degrees off center

**HMS-N-703464**

Replaces Nordson 703464
Graco 130814
Single 45° · .010 orifice
1 orifice, 45 degrees off center

**HMS-N-705512**

Replaces Nordson 705512
Graco 130817
Single 45° · .012 orifice
1 orifice, 45 degrees off center

**HMS-N-702598**

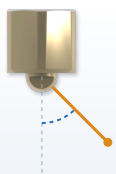
Replaces Nordson 702598
Graco 130811
Single 45° · .014 orifice
1 orifice, 45 degrees off center



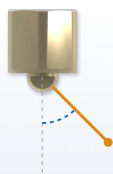
Scan a QR code or click a part to open its page at www.hotmeltsupplyco.com. Orifice sizes in inches. Graco numbers are InvisiPac nozzles of the same geometry; Graco and InvisiPac are trademarks of Graco Inc., not affiliated with Hot Melt Supply Company.



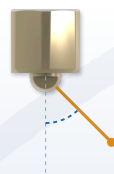
Button Nozzles

**HMS-N-238020**

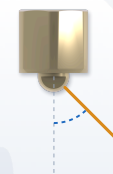
Replaces Nordson 238020
Graco 130805
Single 45° · .016 orifice
1 orifice, 45 degrees off center

**HMS-N-707218**

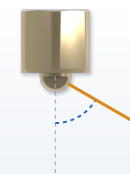
Replaces Nordson 707218
Graco 130820
Single 45° · .018 orifice
1 orifice, 45 degrees off center

**HMS-N-238021**

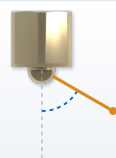
Replaces Nordson 238021
Graco 130806
Single 45° · .020 orifice
1 orifice, 45 degrees off center

**HMS-N-238022**

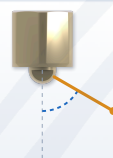
Replaces Nordson 238022
Graco 130807
Single 45° · .030 orifice
1 orifice, 45 degrees off center

**HMS-N-706057**

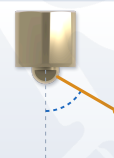
Replaces Nordson 706057
Graco 130818
Single 60° · .012 orifice
1 orifice, 60 degrees off center

**HMS-N-238023**

Replaces Nordson 238023
Valco 972xx505
Graco 130808
Single 60° · .016 orifice
1 orifice, 60 degrees off center

**HMS-N-238024**

Replaces Nordson 238024
Valco 972xx507
Graco 130809
Single 60° · .020 orifice
1 orifice, 60 degrees off center

**HMS-N-238025**

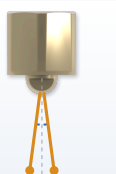
Replaces Nordson 238025
Valco 972xx509
Graco 130810
Single 60° · .030 orifice
1 orifice, 60 degrees off center

**HMS-N-238059**

Replaces Nordson 238059
Graco 130512
Dual 15° · .010 orifice
2 orifices, 15 degrees apart

**HMS-N-238053**

Replaces Nordson 238053
Valco 972xx103
Graco 130508
Dual 15° · .012 orifice
2 orifices, 15 degrees apart

**HMS-N-238063**

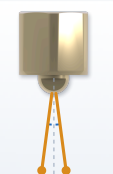
Replaces Nordson 238063
Valco 972xx104
Graco 130516
Dual 15° · .014 orifice
2 orifices, 15 degrees apart

**HMS-N-238054**

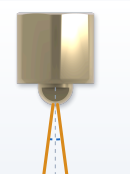
Replaces Nordson 238054
Valco 972xx105
Graco 130509
Dual 15° · .016 orifice
2 orifices, 15 degrees apart

**HMS-N-130495**

Replaces Nordson 130495
Valco 972xx106
Dual 15° · .018 orifice
2 orifices, 15 degrees apart

**HMS-N-238055**

Replaces Nordson 238055
Valco 972xx107
Graco 130510
Dual 15° · .020 orifice
2 orifices, 15 degrees apart

**HMS-N-238056**

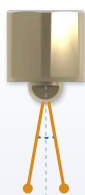
Replaces Nordson 238056
Graco 130511
Dual 15° · .030 orifice
2 orifices, 15 degrees apart



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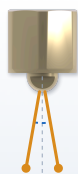
Button Nozzles

**HMS-N-238060**

Replaces Nordson 238060
Graco 130513

Dual 20° · .010 orifice

2 orifices, 20 degrees apart

**HMS-N-238062**

Replaces Nordson 238062
Valco 972xx203
Graco 130515

Dual 20° · .012 orifice

2 orifices, 20 degrees apart

**HMS-N-238067**

Replaces Nordson 238067
Valco 972xx206
Graco 130518

Dual 20° · .018 orifice

2 orifices, 20 degrees apart

**HMS-N-238506**

Replaces Nordson 238506
Valco 972xx303
Graco 130522, 130531

Dual 30° · .012 orifice

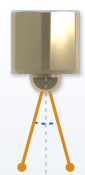
2 orifices, 30 degrees apart

**HMS-N-114928**

Replaces Nordson 114928
Graco 130501

Dual 30° · .016 orifice

2 orifices, 30 degrees apart

**HMS-N-238500**

Replaces Nordson 238500
Valco 972xx307
Graco 130520

Dual 30° · .020 orifice

2 orifices, 30 degrees apart

**HMS-N-238026**

Replaces Nordson 238026
Graco 130503

Dual 30° · .024 orifice

2 orifices, 30 degrees apart

**HMS-N-238501**

Replaces Nordson 238501
Valco 972xx310
Graco 130521

Dual 30° · .030 orifice

2 orifices, 30 degrees apart

**HMS-N-238526**

Replaces Nordson 238526
Valco 972xx403

Dual 45° · .012 orifice

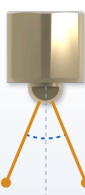
2 orifices, 45 degrees apart

**HMS-N-238528**

Replaces Nordson 238528
Valco 972xx405

Dual 45° · .016 orifice

2 orifices, 45 degrees apart

**HMS-N-238027**

Replaces Nordson 238027
Graco 130504

Dual 45° · .024 orifice

2 orifices, 45 degrees apart

**HMS-N-238061**

Replaces Nordson 238061
Graco 130514

Dual 60° · .010 orifice

2 orifices, 60 degrees apart

**HMS-N-238064**

Replaces Nordson 238064
Graco 130517

Dual 60° · .014 orifice

2 orifices, 60 degrees apart

**HMS-N-238028**

Replaces Nordson 238028
Graco 130505

Dual 60° · .016 orifice

2 orifices, 60 degrees apart

**HMS-N-238068**

Replaces Nordson 238068
Graco 130519

Dual 60° · .018 orifice

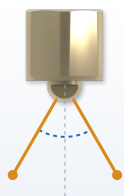
2 orifices, 60 degrees apart



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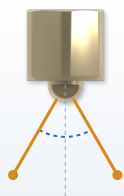


Button Nozzles

**HMS-N-238029**

Replaces Nordson 238029
Graco 130506

Dual 60° · .020 orifice
2 orifices, 60 degrees apart

**HMS-N-238030**

Replaces Nordson 238030
Graco 130507

Dual 60° · .030 orifice
2 orifices, 60 degrees apart

**HMS-N-805397**

Replaces Nordson 805397
Graco 130911

Dual 0/15° · .012 orifice
2 orifices, one on center,
one 15 degrees off center

**HMS-N-715462**

Replaces Nordson 715462
Graco 130908

Dual 0/15° · .014 orifice
2 orifices, one on center,
one 15 degrees off center

**HMS-N-238031**

Replaces Nordson 238031
Graco 130902

Dual 0/15° · .016 orifice
2 orifices, one on center,
one 15 degrees off center

**HMS-N-238032**

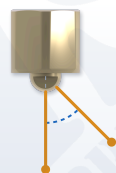
Replaces Nordson 238032
Graco 130903

Dual 0/15° · .020 orifice
2 orifices, one on center,
one 15 degrees off center

**HMS-N-238033**

Replaces Nordson 238033
Graco 130904

Dual 0/15° · .030 orifice
2 orifices, one on center,
one 15 degrees off center

**HMS-N-119360**

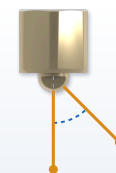
Replaces Nordson 119360
Graco 130900

Dual 0/45° · .010 orifice
2 orifices, one on center,
one 45 degrees off center

**HMS-N-804761**

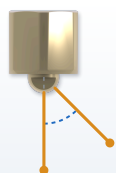
Replaces Nordson 804761
Graco 130910

Dual 0/45° · .012 orifice
2 orifices, one on center,
one 45 degrees off center

**HMS-N-132567**

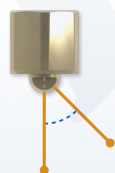
Replaces Nordson 132567
Graco 130901

Dual 0/45° · .014 orifice
2 orifices, one on center,
one 45 degrees off center

**HMS-N-238034**

Replaces Nordson 238034
Graco 130905

Dual 0/45° · .016 orifice
2 orifices, one on center,
one 45 degrees off center

**HMS-N-715872**

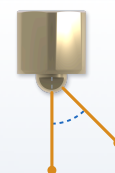
Replaces Nordson 715872
Graco 130909

Dual 0/45° · .018 orifice
2 orifices, one on center,
one 45 degrees off center

**HMS-N-238035**

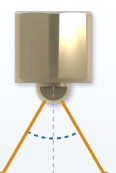
Replaces Nordson 238035
Graco 130906

Dual 0/45° · .020 orifice
2 orifices, one on center,
one 45 degrees off center

**HMS-N-238036**

Replaces Nordson 238036
Graco 130907

Dual 0/45° · .030 orifice
2 orifices, one on center,
one 45 degrees off center

**HMS-N-238524**

Replaces Nordson 238524
Graco 130702

Dual 60° · .016 orifice
2 orifices, 60 degrees apart



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Button Nozzles

**HMS-N-238037**

Replaces Nordson 238037
Valco 972xx603
Graco 130605

Triple 30° · .012 orifice
3 orifices, 30 degrees across
(center and ±15)

**HMS-N-238065**

Replaces Nordson 238065
Valco 972xx604

Triple 30° · .014 orifice
3 orifices, 30 degrees across
(center and ±15)

**HMS-N-238038**

Replaces Nordson 238038
Valco 972xx605
Graco 130606

Triple 30° · .016 orifice
3 orifices, 30 degrees across
(center and ±15)

**HMS-N-238039**

Replaces Nordson 238039
Valco 972xx607
Graco 130607

Triple 30° · .020 orifice
3 orifices, 30 degrees across
(center and ±15)

**HMS-N-238071**

Replaces Nordson 238071
Valco 972xx608
Graco 130608

Triple 30° · .024 orifice
3 orifices, 30 degrees across
(center and ±15)

**HMS-N-238040**

Replaces Nordson 238040
Valco 972xx609
Graco 130600

Triple 30° · .030 orifice
3 orifices, 30 degrees across
(center and ±15)

**HMS-N-238041**

Replaces Nordson 238041
Graco 130601

Triple 45° · .012 orifice
3 orifices, 45 degrees across
(center and ±22.5)

**HMS-N-238042**

Replaces Nordson 238042
Graco 130608

Triple 45° · .016 orifice
3 orifices, 45 degrees across
(center and ±22.5)

**HMS-N-238072**

Replaces Nordson 238072
Graco 130604

Triple 45° · .024 orifice
3 orifices, 45 degrees across
(center and ±22.5)

**HMS-N-238043**

Replaces Nordson 238043
Valco 972xx703
Graco 130609

Triple 60° · .012 orifice
3 orifices, 60 degrees across
(center and ±30)

**HMS-N-238044**

Replaces Nordson 238044
Valco 972xx705
Graco 130610

Triple 60° · .016 orifice
3 orifices, 60 degrees across
(center and ±30)

**HMS-N-238045**

Replaces Nordson 238045
Valco 972xx707
Graco 130611

Triple 60° · .020 orifice
3 orifices, 60 degrees across
(center and ±30)

**HMS-N-238046**

Replaces Nordson 238046
Valco 972xx709
Graco 130602

Triple 60° · .030 orifice
3 orifices, 60 degrees across
(center and ±30)

**HMS-N-709479**

Replaces Nordson 709479
Valco 973xx002
Graco 130703

Quad 40° · .010 orifice
4 orifices, 40 degrees across

**HMS-N-714855**

Replaces Nordson 714855
Valco 973xx003
Graco 130704

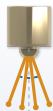
Quad 40° · .012 orifice
4 orifices, 40 degrees across



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Button Nozzles



HMS-N-714856

Replaces Nordson 714856

Valco 973xx004

Graco 130705

Quad 40° · .014 orifice

4 orifices, 40 degrees across



HMS-N-808696

Replaces Nordson 808696

Valco 973xx005

Graco 130706

Quad 40° · .016 orifice

4 orifices, 40 degrees across



HMS-N-238051

Replaces Nordson 238051

Valco 973xx007

Graco 130700

Quad 40° · .020 orifice

4 orifices, 40 degrees across



HMS-N-238052

Replaces Nordson 238052

Graco 130701

Quad 40° · .030 orifice

4 orifices, 40 degrees across



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Notes

