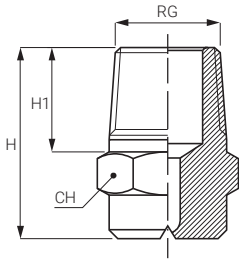


J (STANDARD CAPACITY FLAT FAN NOZZLES)

STANDARD CAPACITY FLAT FAN NOZZLES

Standard flat fan nozzles are available in a wide range of different capacities, spray angles, thread sizes and materials. Used in several industrial applications, they produce a mist spray and supply an appropriate force of impact.



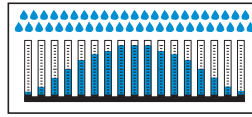
TYPICAL APPLICATIONS

Washing: parts cleaning, food cleaning, filter cloth cleaning
Spray: spray of chemicals, disinfectant and lubricating fluids
Cooling: metal parts and vehicles cooling
Other applications: water curtain for toxic gases separation, cleaning systems
 In steelworks they are used in the pickling process to remove surface oxides layers formed during the hot metalwork.

THREAD SPECIFICATION: BSPT, NPT



Spray section



Convex distribution



SPRAY ANGLE CODES

| | |
|-----|------|
| JxA | 0° |
| JxC | 20° |
| JxF | 30° |
| JxM | 45° |
| JxQ | 60° |
| JxU | 90° |
| JxW | 120° |

THREAD SIZE CODES (RG)

| | |
|----|------|
| JA | 1/8" |
| JB | 1/4" |
| JC | 3/8" |

| Spray Angle | JAA 1/8" | JBA 1/4" | JCA 3/8" | CAPACITY CODE | D mm | Capacity at different pressure values | | | | | | | | | (l/min) (bar) | |
|-------------|-------------|-------------|-------------|---------------|---------|---------------------------------------|------|------|------|------|------|------|------|------|---------------|--|
| | | | | | | 0.5 | 1.0 | 2.0 | 3.0 | 4.0 | 5.0 | 7.0 | 10 | 20 | | |
| 0° | • | • | | 0780 | 0.91 | 0.32 | 0.45 | 0.64 | 0.78 | 0.90 | 1.01 | 1.19 | 1.42 | 2.01 | | |
| | • | • | | 1120 | 1.10 | 0.49 | 0.69 | 0.98 | 1.20 | 1.39 | 1.55 | 1.83 | 2.19 | 3.10 | | |
| | • | • | | 1160 | 1.30 | 0.65 | 0.92 | 1.31 | 1.60 | 1.85 | 2.07 | 2.44 | 2.92 | 4.13 | | |
| | • | • | | 1190 | 1.30 | 0.78 | 1.10 | 1.55 | 1.90 | 2.19 | 2.45 | 2.90 | 3.47 | 4.91 | | |
| | • | • | | 1233 | 1.50 | 0.95 | 1.35 | 1.90 | 2.33 | 2.69 | 3.01 | 3.56 | 4.25 | 6.02 | | |
| | • | • | | 1310 | 1.70 | 1.27 | 1.79 | 2.53 | 3.10 | 3.58 | 4.00 | 4.74 | 5.66 | 8.00 | | |
| | • | • | | 1385 | 1.80 | 1.57 | 2.22 | 3.14 | 3.85 | 4.45 | 4.97 | 5.88 | 7.03 | 9.94 | | |
| | • | • | | 1490 | 2.10 | 2.00 | 2.83 | 4.00 | 4.90 | 5.66 | 6.33 | 7.48 | 8.95 | 12.7 | | |
| | • | • | | 1581 | 2.30 | 2.37 | 3.35 | 4.74 | 5.81 | 6.71 | 7.50 | 8.87 | 10.6 | 15.0 | | |
| | • | • | • | 1780 | 2.70 | 3.18 | 4.50 | 6.37 | 7.80 | 9.01 | 10.1 | 11.9 | 14.2 | 20.1 | | |
| | • | • | • | 1980 | 3.00 | 4.00 | 5.66 | 8.00 | 9.80 | 11.3 | 12.7 | 15.0 | 17.9 | 25.3 | | |
| | • | • | • | 2124 | 3.40 | 5.06 | 7.16 | 10.1 | 12.4 | 14.3 | 16.0 | 18.9 | 22.6 | 32.0 | | |
| | • | • | • | 2153 | 3.80 | 6.25 | 8.83 | 12.5 | 15.3 | 17.7 | 19.8 | 23.4 | 27.9 | 39.5 | | |
| | • | • | • | 2195 | 4.30 | 7.96 | 11.3 | 15.9 | 19.5 | 22.5 | 25.2 | 29.8 | 35.6 | 50.3 | | |
| | • | • | • | 2245 | 4.80 | 10.0 | 14.1 | 20.0 | 24.5 | 28.3 | 31.6 | 37.4 | 44.7 | 63.3 | | |
| | • | • | • | 2274 | 5.20 | 11.2 | 15.8 | 22.4 | 27.4 | 31.6 | 35.4 | 41.9 | 50.0 | 70.7 | | |
| • | • | • | 2310 | 5.40 | 12.7 | 17.9 | 25.3 | 31.0 | 35.8 | 40.0 | 47.4 | 56.6 | 80.0 | | | |
| • | • | • | 2390 | 6.00 | 15.9 | 22.5 | 31.8 | 39.0 | 45.0 | 50.3 | 59.6 | 71.2 | 101 | | | |
| • | • | • | 2470 | 6.20 | 19.2 | 27.1 | 38.4 | 47.0 | 54.3 | 60.7 | 71.8 | 85.8 | 121 | | | |

DIMENSIONS AND WEIGHTS

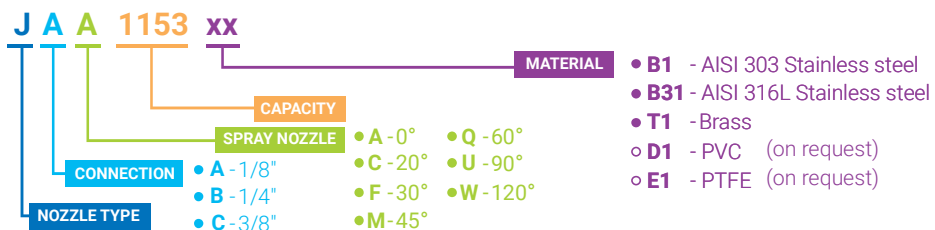
| CODE | Dimension (RG) | H | H1 | CH | W |
|------|----------------|------|----|----|----|
| Type | inch | mm | mm | mm | gr |
| JA | 1/8" | 19.5 | 11 | 12 | 9 |
| JB | 1/4" | 22.0 | 12 | 14 | 18 |
| JC | 3/8" | 25.0 | 14 | 17 | 34 |

IMPORTANT

The nozzle **Jxx 0780 B31** is made with "low capacity" body, while when it's fabricated with other materials is made with "standard capacity" body.

HOW TO MAKE UP THE NOZZLE CODE

Ex.: JAA 1153 B1



(STANDARD CAPACITY FLAT FAN NOZZLES)

| ◁ | JAC | JBC | JCC | CAPACITY CODE | D mm | Capacity at different pressure values | | | | | | | | (l/min) (bar) | |
|---|------|------|------|---------------|------|---------------------------------------|------|------|------|------|------|------|------|---------------|------|
| | 1/8" | 1/4" | 3/8" | | | 0.5 | 1.0 | 2.0 | 3.0 | 4.0 | 5.0 | 7.0 | 10 | 20 | |
| | 20° | • | • | | | | 0780 | 0.91 | 0.32 | 0.45 | 0.64 | 0.78 | 0.90 | 1.01 | 1.19 |
| | • | • | | 1120 | 1.10 | 0.49 | 0.69 | 0.98 | 1.20 | 1.39 | 1.55 | 1.83 | 2.19 | 3.10 | |
| | • | • | | 1160 | 1.30 | 0.65 | 0.92 | 1.31 | 1.60 | 1.85 | 2.07 | 2.44 | 2.92 | 4.13 | |
| | • | • | | 1190 | 1.30 | 0.78 | 1.10 | 1.55 | 1.90 | 2.19 | 2.45 | 2.90 | 3.47 | 4.91 | |
| | • | • | | 1233 | 1.50 | 0.95 | 1.35 | 1.90 | 2.33 | 2.69 | 3.01 | 3.56 | 4.25 | 6.02 | |
| | • | • | | 1310 | 1.70 | 1.27 | 1.79 | 2.53 | 3.10 | 3.58 | 4.00 | 4.74 | 5.66 | 8.00 | |
| | • | • | | 1385 | 1.80 | 1.57 | 2.22 | 3.14 | 3.85 | 4.45 | 4.97 | 5.88 | 7.03 | 9.94 | |
| | • | • | | 1490 | 2.10 | 2.00 | 2.83 | 4.00 | 4.90 | 5.66 | 6.33 | 7.48 | 8.95 | 12.7 | |
| | • | • | | 1581 | 2.30 | 2.37 | 3.35 | 4.74 | 5.81 | 6.71 | 7.50 | 8.87 | 10.6 | 15.0 | |
| | • | • | • | 1780 | 2.70 | 3.18 | 4.50 | 6.37 | 7.80 | 9.01 | 10.1 | 11.9 | 14.2 | 20.1 | |
| | • | • | • | 1980 | 3.00 | 4.00 | 5.66 | 8.00 | 9.80 | 11.3 | 12.7 | 15.0 | 17.9 | 25.3 | |
| | • | • | • | 2124 | 3.40 | 5.06 | 7.16 | 10.1 | 12.4 | 14.3 | 16.0 | 18.9 | 22.6 | 32.0 | |
| | • | • | • | 2153 | 3.80 | 6.25 | 8.83 | 12.5 | 15.3 | 17.7 | 19.8 | 23.4 | 27.9 | 39.5 | |
| | • | • | • | 2195 | 4.30 | 7.96 | 11.3 | 15.9 | 19.5 | 22.5 | 25.2 | 29.8 | 35.6 | 50.3 | |
| | | • | • | 2245 | 4.80 | 10.0 | 14.1 | 20.0 | 24.5 | 28.3 | 31.6 | 37.4 | 44.7 | 63.3 | |
| | | • | • | 2274 | 5.20 | 11.2 | 15.8 | 22.4 | 27.4 | 31.6 | 35.4 | 41.9 | 50.0 | 70.7 | |
| | | • | • | 2310 | 5.40 | 12.7 | 17.9 | 25.3 | 31.0 | 35.8 | 40.0 | 47.4 | 56.6 | 80.0 | |
| | | • | • | 2390 | 6.00 | 15.9 | 22.5 | 31.8 | 39.0 | 45.0 | 50.3 | 59.6 | 71.2 | 101 | |
| | | • | • | 2470 | 6.20 | 19.2 | 27.1 | 38.4 | 47.0 | 54.3 | 60.7 | 71.8 | 85.8 | 121 | |

SPRAY ANGLE CODES

| | |
|-----|------|
| JxA | 0° |
| JxC | 20° |
| JxF | 30° |
| JxM | 45° |
| JxQ | 60° |
| JxU | 90° |
| JxW | 120° |

THREAD SIZE CODES (RG)

| | |
|----|------|
| JA | 1/8" |
| JB | 1/4" |
| JC | 3/8" |

| ◁ | JAF | JBF | JCF | CODE | D | 0.5 | 1.0 | 2.0 | 3.0 | 4.0 | 5.0 | 7.0 | 10 | 20 |
|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|
| 30° | • | • | | 0780 | 0.91 | 0.32 | 0.45 | 0.64 | 0.78 | 0.90 | 1.01 | 1.19 | 1.42 | 2.01 |
| | • | • | | 1120 | 1.10 | 0.49 | 0.69 | 0.98 | 1.20 | 1.39 | 1.55 | 1.83 | 2.19 | 3.10 |
| | • | • | | 1160 | 1.30 | 0.65 | 0.92 | 1.31 | 1.60 | 1.85 | 2.07 | 2.44 | 2.92 | 4.13 |
| | • | • | | 1190 | 1.30 | 0.78 | 1.10 | 1.55 | 1.90 | 2.19 | 2.45 | 2.90 | 3.47 | 4.91 |
| | • | • | | 1233 | 1.50 | 0.95 | 1.35 | 1.90 | 2.33 | 2.69 | 3.01 | 3.56 | 4.25 | 6.02 |
| | • | • | | 1310 | 1.70 | 1.27 | 1.79 | 2.53 | 3.10 | 3.58 | 4.00 | 4.74 | 5.66 | 8.00 |
| | • | • | | 1385 | 1.80 | 1.57 | 2.22 | 3.14 | 3.85 | 4.45 | 4.97 | 5.88 | 7.03 | 9.94 |
| | • | • | | 1490 | 2.10 | 2.00 | 2.83 | 4.00 | 4.90 | 5.66 | 6.33 | 7.48 | 8.95 | 12.7 |
| | • | • | | 1581 | 2.30 | 2.37 | 3.35 | 4.74 | 5.81 | 6.71 | 7.50 | 8.87 | 10.6 | 15.0 |
| | • | • | • | 1780 | 2.70 | 3.18 | 4.50 | 6.37 | 7.80 | 9.01 | 10.1 | 11.9 | 14.2 | 20.1 |
| | • | • | • | 1980 | 3.00 | 4.00 | 5.66 | 8.00 | 9.80 | 11.3 | 12.7 | 15.0 | 17.9 | 25.3 |
| | • | • | • | 2124 | 3.40 | 5.06 | 7.16 | 10.1 | 12.4 | 14.3 | 16.0 | 18.9 | 22.6 | 32.0 |
| | • | • | • | 2153 | 3.80 | 6.25 | 8.83 | 12.5 | 15.3 | 17.7 | 19.8 | 23.4 | 27.9 | 39.5 |
| | | • | • | 2195 | 4.30 | 7.96 | 11.3 | 15.9 | 19.5 | 22.5 | 25.2 | 29.8 | 35.6 | 50.3 |
| | | • | • | 2245 | 4.80 | 10.0 | 14.1 | 20.0 | 24.5 | 28.3 | 31.6 | 37.4 | 44.7 | 63.3 |
| | | • | • | 2274 | 5.20 | 11.2 | 15.8 | 22.4 | 27.4 | 31.6 | 35.4 | 41.9 | 50.0 | 70.7 |
| | | • | • | 2310 | 5.40 | 12.7 | 17.9 | 25.3 | 31.0 | 35.8 | 40.0 | 47.4 | 56.6 | 80.0 |
| | | • | • | 2390 | 6.00 | 15.9 | 22.5 | 31.8 | 39.0 | 45.0 | 50.3 | 59.6 | 71.2 | 101 |
| | | • | • | 2470 | 6.20 | 19.2 | 27.1 | 38.4 | 47.0 | 54.3 | 60.7 | 71.8 | 85.8 | 121 |

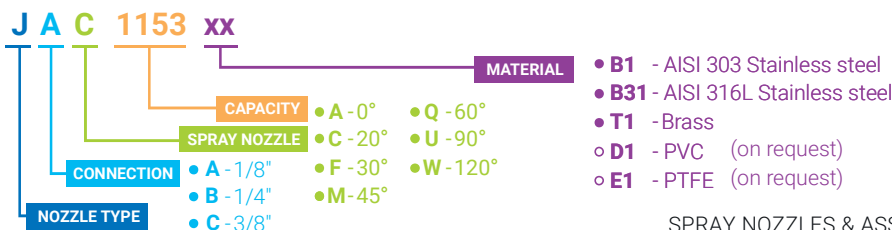
IMPORTANT

The nozzle **Jxx 0780 B31** is made with "low capacity" body, while when it's fabricated with other materials is made with "standard capacity" body.

| ◁ | JAM | JBM | JCM | CODE | D | 0.5 | 1.0 | 2.0 | 3.0 | 4.0 | 5.0 | 7.0 | 10 | 20 |
|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|
| 45° | • | • | | 0780 | 0.91 | 0.32 | 0.45 | 0.64 | 0.78 | 0.90 | 1.01 | 1.19 | 1.42 | 2.01 |
| | • | • | | 1120 | 1.10 | 0.49 | 0.69 | 0.98 | 1.20 | 1.39 | 1.55 | 1.83 | 2.19 | 3.10 |
| | • | • | | 1160 | 1.30 | 0.65 | 0.92 | 1.31 | 1.60 | 1.85 | 2.07 | 2.44 | 2.92 | 4.13 |
| | • | • | | 1190 | 1.30 | 0.78 | 1.10 | 1.55 | 1.90 | 2.19 | 2.45 | 2.90 | 3.47 | 4.91 |
| | • | • | | 1233 | 1.50 | 0.95 | 1.35 | 1.90 | 2.33 | 2.69 | 3.01 | 3.56 | 4.25 | 6.02 |
| | • | • | | 1310 | 1.70 | 1.27 | 1.79 | 2.53 | 3.10 | 3.58 | 4.00 | 4.74 | 5.66 | 8.00 |
| | • | • | | 1385 | 1.80 | 1.57 | 2.22 | 3.14 | 3.85 | 4.45 | 4.97 | 5.88 | 7.03 | 9.94 |
| | • | • | | 1490 | 2.10 | 2.00 | 2.83 | 4.00 | 4.90 | 5.66 | 6.33 | 7.48 | 8.95 | 12.7 |
| | • | • | | 1581 | 2.30 | 2.37 | 3.35 | 4.74 | 5.81 | 6.71 | 7.50 | 8.87 | 10.6 | 15.0 |
| | • | • | • | 1780 | 2.70 | 3.18 | 4.50 | 6.37 | 7.80 | 9.01 | 10.1 | 11.9 | 14.2 | 20.1 |
| | • | • | • | 1980 | 3.00 | 4.00 | 5.66 | 8.00 | 9.80 | 11.3 | 12.7 | 15.0 | 17.9 | 25.3 |
| | • | • | • | 2124 | 3.40 | 5.06 | 7.16 | 10.1 | 12.4 | 14.3 | 16.0 | 18.9 | 22.6 | 32.0 |
| | • | • | • | 2153 | 3.80 | 6.25 | 8.83 | 12.5 | 15.3 | 17.7 | 19.8 | 23.4 | 27.9 | 39.5 |
| | | • | • | 2195 | 4.30 | 7.96 | 11.3 | 15.9 | 19.5 | 22.5 | 25.2 | 29.8 | 35.6 | 50.3 |
| | | • | • | 2245 | 4.80 | 10.0 | 14.1 | 20.0 | 24.5 | 28.3 | 31.6 | 37.4 | 44.7 | 63.3 |
| | | • | • | 2274 | 5.20 | 11.2 | 15.8 | 22.4 | 27.4 | 31.6 | 35.4 | 41.9 | 50.0 | 70.7 |
| | | • | • | 2310 | 5.40 | 12.7 | 17.9 | 25.3 | 31.0 | 35.8 | 40.0 | 47.4 | 56.6 | 80.0 |
| | | • | • | 2390 | 6.00 | 15.9 | 22.5 | 31.8 | 39.0 | 45.0 | 50.3 | 59.6 | 71.2 | 101 |
| | | • | • | 2470 | 6.20 | 19.2 | 27.1 | 38.4 | 47.0 | 54.3 | 60.7 | 71.8 | 85.8 | 121 |

HOW TO MAKE UP THE NOZZLE CODE

Ex.: JAC 1153 B1



J (STANDARD CAPACITY FLAT FAN NOZZLES)

SPRAY ANGLE CODES

| | |
|-----|------|
| JxA | 0° |
| JxC | 20° |
| JxF | 30° |
| JxM | 45° |
| JxQ | 60° |
| JxU | 90° |
| JxW | 120° |

THREAD SIZE CODES (RG)

| | |
|----|------|
| JA | 1/8" |
| JB | 1/4" |
| JC | 3/8" |

| SPRAY ANGLE | JAQ 1/8" | JBQ 1/4" | JCQ 3/8" | CAPACITY CODE | D mm | Capacity at different pressure values | | | | | | | | | (l/min) (bar) |
|-------------|-------------|-------------|-------------|---------------|---------|---------------------------------------|------|------|------|------|------|------|------|------|------------------|
| | | | | | | 0.5 | 1.0 | 2.0 | 3.0 | 4.0 | 5.0 | 7.0 | 10 | 20 | |
| 60° | • | • | | 0780 | 0.91 | 0.32 | 0.45 | 0.64 | 0.78 | 0.90 | 1.01 | 1.19 | 1.42 | 2.01 | |
| | • | • | | 1120 | 1.10 | 0.49 | 0.69 | 0.98 | 1.20 | 1.39 | 1.55 | 1.83 | 2.19 | 3.10 | |
| | • | • | | 1160 | 1.30 | 0.65 | 0.92 | 1.31 | 1.60 | 1.85 | 2.07 | 2.44 | 2.92 | 4.13 | |
| | • | • | | 1190 | 1.30 | 0.78 | 1.10 | 1.55 | 1.90 | 2.19 | 2.45 | 2.90 | 3.47 | 4.91 | |
| | • | • | | 1233 | 1.50 | 0.95 | 1.35 | 1.90 | 2.33 | 2.69 | 3.01 | 3.56 | 4.25 | 6.02 | |
| | • | • | | 1310 | 1.70 | 1.27 | 1.79 | 2.53 | 3.10 | 3.58 | 4.00 | 4.74 | 5.66 | 8.00 | |
| | • | • | | 1385 | 1.80 | 1.57 | 2.22 | 3.14 | 3.85 | 4.45 | 4.97 | 5.88 | 7.03 | 9.94 | |
| | • | • | | 1490 | 2.10 | 2.00 | 2.83 | 4.00 | 4.90 | 5.66 | 6.33 | 7.48 | 8.95 | 12.7 | |
| | • | • | | 1581 | 2.30 | 2.37 | 3.35 | 4.74 | 5.81 | 6.71 | 7.50 | 8.87 | 10.6 | 15.0 | |
| | • | • | • | 1780 | 2.70 | 3.18 | 4.50 | 6.37 | 7.80 | 9.01 | 10.1 | 11.9 | 14.2 | 20.1 | |
| | • | • | • | 1980 | 3.00 | 4.00 | 5.66 | 8.00 | 9.80 | 11.3 | 12.7 | 15.0 | 17.9 | 25.3 | |
| | • | • | • | 2124 | 3.40 | 5.06 | 7.16 | 10.1 | 12.4 | 14.3 | 16.0 | 18.9 | 22.6 | 32.0 | |
| | • | • | • | 2153 | 3.80 | 6.25 | 8.83 | 12.5 | 15.3 | 17.7 | 19.8 | 23.4 | 27.9 | 39.5 | |
| | • | • | • | 2195 | 4.30 | 7.96 | 11.3 | 15.9 | 19.5 | 22.5 | 25.2 | 29.8 | 35.6 | 50.3 | |
| | • | • | • | 2245 | 4.80 | 10.0 | 14.1 | 20.0 | 24.5 | 28.3 | 31.6 | 37.4 | 44.7 | 63.3 | |
| | • | • | • | 2274 | 5.20 | 11.2 | 15.8 | 22.4 | 27.4 | 31.6 | 35.4 | 41.9 | 50.0 | 70.7 | |
| • | • | • | 2310 | 5.40 | 12.7 | 17.9 | 25.3 | 31.0 | 35.8 | 40.0 | 47.4 | 56.6 | 80.0 | | |
| • | • | • | 2390 | 6.00 | 15.9 | 22.5 | 31.8 | 39.0 | 45.0 | 50.3 | 59.6 | 71.2 | 101 | | |
| • | • | • | 2470 | 6.20 | 19.2 | 27.1 | 38.4 | 47.0 | 54.3 | 60.7 | 71.8 | 85.8 | 121 | | |

IMPORTANT

The nozzle **Jxx 0780 B31** is made with "low capacity" body, while when it's fabricated with other materials is made with "standard capacity" body.

| SPRAY ANGLE | JAU | JBU | JCU | CODE | D | 0.5 | 1.0 | 2.0 | 3.0 | 4.0 | 5.0 | 7.0 | 10 | 20 |
|-------------|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 90° | • | • | | 0780 | 0.91 | 0.32 | 0.45 | 0.64 | 0.78 | 0.90 | 1.01 | 1.19 | 1.42 | 2.01 |
| | • | • | | 1120 | 1.10 | 0.49 | 0.69 | 0.98 | 1.20 | 1.39 | 1.55 | 1.83 | 2.19 | 3.10 |
| | • | • | | 1160 | 1.30 | 0.65 | 0.92 | 1.31 | 1.60 | 1.85 | 2.07 | 2.44 | 2.92 | 4.13 |
| | • | • | | 1190 | 1.30 | 0.78 | 1.10 | 1.55 | 1.90 | 2.19 | 2.45 | 2.90 | 3.47 | 4.91 |
| | • | • | | 1233 | 1.50 | 0.95 | 1.35 | 1.90 | 2.33 | 2.69 | 3.01 | 3.56 | 4.25 | 6.02 |
| | • | • | | 1310 | 1.70 | 1.27 | 1.79 | 2.53 | 3.10 | 3.58 | 4.00 | 4.74 | 5.66 | 8.00 |
| | • | • | | 1385 | 1.80 | 1.57 | 2.22 | 3.14 | 3.85 | 4.45 | 4.97 | 5.88 | 7.03 | 9.94 |
| | • | • | | 1490 | 2.10 | 2.00 | 2.83 | 4.00 | 4.90 | 5.66 | 6.33 | 7.48 | 8.95 | 12.7 |
| | • | • | | 1581 | 2.30 | 2.37 | 3.35 | 4.74 | 5.81 | 6.71 | 7.50 | 8.87 | 10.6 | 15.0 |
| | • | • | • | 1780 | 2.70 | 3.18 | 4.50 | 6.37 | 7.80 | 9.01 | 10.1 | 11.9 | 14.2 | 20.1 |
| | • | • | • | 1980 | 3.00 | 4.00 | 5.66 | 8.00 | 9.80 | 11.3 | 12.7 | 15.0 | 17.9 | 25.3 |
| | • | • | • | 2124 | 3.40 | 5.06 | 7.16 | 10.1 | 12.4 | 14.3 | 16.0 | 18.9 | 22.6 | 32.0 |
| | • | • | • | 2153 | 3.80 | 6.25 | 8.83 | 12.5 | 15.3 | 17.7 | 19.8 | 23.4 | 27.9 | 39.5 |
| | • | • | • | 2195 | 4.30 | 7.96 | 11.3 | 15.9 | 19.5 | 22.5 | 25.2 | 29.8 | 35.6 | 50.3 |
| | • | • | • | 2245 | 4.80 | 10.0 | 14.1 | 20.0 | 24.5 | 28.3 | 31.6 | 37.4 | 44.7 | 63.3 |
| | • | • | • | 2274 | 5.20 | 11.2 | 15.8 | 22.4 | 27.4 | 31.6 | 35.4 | 41.9 | 50.0 | 70.7 |
| • | • | • | 2310 | 5.40 | 12.7 | 17.9 | 25.3 | 31.0 | 35.8 | 40.0 | 47.4 | 56.6 | 80.0 | |
| • | • | • | 2390 | 6.00 | 15.9 | 22.5 | 31.8 | 39.0 | 45.0 | 50.3 | 59.6 | 71.2 | 101 | |
| • | • | • | 2470 | 6.20 | 19.2 | 27.1 | 38.4 | 47.0 | 54.3 | 60.7 | 71.8 | 85.8 | 121 | |

| SPRAY ANGLE | JAW | JBW | JCW | CODE | D | 0.5 | 1.0 | 2.0 | 3.0 | 4.0 | 5.0 | 7.0 | 10 | 20 |
|-------------|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 120° | • | • | | 0780 | 0.91 | 0.32 | 0.45 | 0.64 | 0.78 | 0.90 | 1.01 | 1.19 | 1.42 | 2.01 |
| | • | • | | 1120 | 1.10 | 0.49 | 0.69 | 0.98 | 1.20 | 1.39 | 1.55 | 1.83 | 2.19 | 3.10 |
| | • | • | | 1160 | 1.30 | 0.65 | 0.92 | 1.31 | 1.60 | 1.85 | 2.07 | 2.44 | 2.92 | 4.13 |
| | • | • | | 1190 | 1.30 | 0.78 | 1.10 | 1.55 | 1.90 | 2.19 | 2.45 | 2.90 | 3.47 | 4.91 |
| | • | • | | 1233 | 1.50 | 0.95 | 1.35 | 1.90 | 2.33 | 2.69 | 3.01 | 3.56 | 4.25 | 6.02 |
| | • | • | | 1310 | 1.70 | 1.27 | 1.79 | 2.53 | 3.10 | 3.58 | 4.00 | 4.74 | 5.66 | 8.00 |
| | • | • | | 1385 | 1.80 | 1.57 | 2.22 | 3.14 | 3.85 | 4.45 | 4.97 | 5.88 | 7.03 | 9.94 |
| | • | • | | 1490 | 2.10 | 2.00 | 2.83 | 4.00 | 4.90 | 5.66 | 6.33 | 7.48 | 8.95 | 12.7 |
| | • | • | | 1581 | 2.30 | 2.37 | 3.35 | 4.74 | 5.81 | 6.71 | 7.50 | 8.87 | 10.6 | 15.0 |
| | • | • | • | 1780 | 2.70 | 3.18 | 4.50 | 6.37 | 7.80 | 9.01 | 10.1 | 11.9 | 14.2 | 20.1 |
| | • | • | • | 1980 | 3.00 | 4.00 | 5.66 | 8.00 | 9.80 | 11.3 | 12.7 | 15.0 | 17.9 | 25.3 |
| | • | • | • | 2124 | 3.40 | 5.06 | 7.16 | 10.1 | 12.4 | 14.3 | 16.0 | 18.9 | 22.6 | 32.0 |
| | • | • | • | 2153 | 3.80 | 6.25 | 8.83 | 12.5 | 15.3 | 17.7 | 19.8 | 23.4 | 27.9 | 39.5 |
| | • | • | • | 2195 | 4.30 | 7.96 | 11.3 | 15.9 | 19.5 | 22.5 | 25.2 | 29.8 | 35.6 | 50.3 |
| | • | • | • | 2245 | 4.80 | 10.0 | 14.1 | 20.0 | 24.5 | 28.3 | 31.6 | 37.4 | 44.7 | 63.3 |
| | • | • | • | 2274 | 5.20 | 11.2 | 15.8 | 22.4 | 27.4 | 31.6 | 35.4 | 41.9 | 50.0 | 70.7 |
| • | • | • | 2310 | 5.40 | 12.7 | 17.9 | 25.3 | 31.0 | 35.8 | 40.0 | 47.4 | 56.6 | 80.0 | |
| • | • | • | 2390 | 6.00 | 15.9 | 22.5 | 31.8 | 39.0 | 45.0 | 50.3 | 59.6 | 71.2 | 101 | |
| • | • | • | 2470 | 6.20 | 19.2 | 27.1 | 38.4 | 47.0 | 54.3 | 60.7 | 71.8 | 85.8 | 121 | |

HOW TO MAKE UP THE NOZZLE CODE

Ex.: JAA 1153 B1

