



# TeeJet® Disc-Core Type Full Cone Spray Tips

## Typical Applications:

For spraying pesticides at higher pressures and flow rates. Especially suitable for wettable powders and other abrasive chemicals. Larger capacity nozzles are also used in air blast sprayers.

## Features:

- Produce smaller droplets for thorough coverage with contact pesticides and foliar applications.
- Maximum spray pressure to 300 PSI (20 bar).

## Orifice Discs

Available in a variety of sizes and materials. Ceramic for increased wear life, hardened stainless steel, stainless steel and polymer.



Ceramic



Hardened Stainless Steel



Stainless Steel



Polymer

## Cores

Standard cores are made of brass. Also available in ceramic, hardened stainless steel and Nylon. All cores with the exception of ceramic are made with rear "nibs." Make sure core is always placed with the nib facing the nozzle body.

## Ceramic Sizes Available:

DC13-CER, DC23-CER, DC25-CER, DC31-CER, DC33-CER, DC35-CER, DC45-CER, DC46-CER, DC56-CER.



Ceramic



Hardened Stainless Steel



Brass



Nylon



CP18999



Seal

**Full Cone Spray Pattern**  
Produced by Cores #31, 33, 35 & 56



## Full Cone Type Spray Tips

|      |      | mm   | l/min   |       |       |       |       |       |       |        |        |        |       |        |        |  |  |
|------|------|------|---------|-------|-------|-------|-------|-------|-------|--------|--------|--------|-------|--------|--------|--|--|
|      |      |      | 0.7 bar | 1 bar | 2 bar | 3 bar | 4 bar | 5 bar | 6 bar | 10 bar | 15 bar | 20 bar | 1 bar | 10 bar | 20 bar |  |  |
| D1   | DC31 | 0.79 | 0.31    | 0.36  | 0.49  | 0.59  | 0.67  | 0.74  | 0.80  | 1.0    | 1.2    | 1.4    | 42°   | 40°    | 38°    |  |  |
| D1.5 | DC31 | 0.91 | 0.39    | 0.45  | 0.63  | 0.76  | 0.86  | 0.95  | 1.0   | 1.3    | 1.6    | 1.8    | 54°   | 46°    | 40°    |  |  |
| D2   | DC31 | 1.0  | 0.45    | 0.53  | 0.72  | 0.86  | 0.98  | 1.1   | 1.2   | 1.5    | 1.8    | 2.0    | 56°   | 54°    | 49°    |  |  |
| D3   | DC31 | 1.2  | 0.49    | 0.58  | 0.80  | 0.95  | 1.1   | 1.2   | 1.3   | 1.6    | 1.9    | 2.2    | 58°   | 67°    | 58°    |  |  |
| D1   | DC33 | 0.79 | 0.32    | 0.36  | 0.46  | 0.56  | 0.64  | 0.71  | 0.78  | 0.98   | 1.2    | 1.4    | 24°   | 37°    | 37°    |  |  |
| D1.5 | DC33 | 0.91 | 0.42    | 0.47  | 0.63  | 0.75  | 0.85  | 0.95  | 1.0   | 1.3    | 1.6    | 1.9    | 34°   | 46°    | 45°    |  |  |
| D2   | DC33 | 1.0  | 0.47    | 0.56  | 0.78  | 0.95  | 1.1   | 1.2   | 1.3   | 1.7    | 2.0    | 2.3    | 42°   | 55°    | 52°    |  |  |
| D3   | DC33 | 1.2  | 0.57    | 0.68  | 0.95  | 1.1   | 1.3   | 1.5   | 1.6   | 2.0    | 2.5    | 2.8    | 46°   | 57°    | 56°    |  |  |
| D4   | DC33 | 1.6  | 0.78    | 0.91  | 1.3   | 1.5   | 1.7   | 1.9   | 2.1   | 2.7    | 3.3    | 3.7    | 49°   | 63°    | 63°    |  |  |
| D1   | DC35 | 0.79 | 0.30    | 0.36  | 0.48  | 0.58  | 0.65  | 0.71  | 0.78  | 0.97   | 1.2    | 1.3    | 16°   | 27°    | 27°    |  |  |
| D1.5 | DC35 | 0.91 | 0.41    | 0.47  | 0.63  | 0.76  | 0.85  | 0.94  | 1.0   | 1.3    | 1.5    | 1.7    | 19°   | 30°    | 30°    |  |  |
| D2   | DC35 | 1.0  | 0.53    | 0.62  | 0.83  | 0.99  | 1.1   | 1.2   | 1.3   | 1.7    | 2.0    | 2.2    | 38°   | 45°    | 40°    |  |  |
| D3   | DC35 | 1.2  | 0.58    | 0.72  | 0.98  | 1.2   | 1.3   | 1.5   | 1.6   | 2.0    | 2.4    | 2.8    | 42°   | 48°    | 42°    |  |  |
| D4   | DC35 | 1.6  | 1.0     | 1.2   | 1.6   | 2.0   | 2.3   | 2.5   | 2.8   | 3.5    | 4.2    | 4.8    | 65°   | 68°    | 60°    |  |  |
| D5   | DC35 | 2.0  | 1.3     | 1.6   | 2.2   | 2.6   | 3.0   | 3.3   | 3.6   | 4.5    | 5.5    | 6.3    | 65°   | 69°    | 62°    |  |  |
| D2   | DC56 | 1.0  | —       | —     | 0.80  | 0.98  | 1.1   | 1.2   | 1.4   | 1.8    | 2.2    | 2.5    | —     | 18°    | 16°    |  |  |
| D3   | DC56 | 1.2  | —       | —     | 1.1   | 1.3   | 1.6   | 1.7   | 1.9   | 2.4    | 3.0    | 3.4    | —     | 24°    | 22°    |  |  |
| D4   | DC56 | 1.6  | —       | 1.3   | 1.8   | 2.2   | 2.5   | 2.8   | 3.1   | 4.0    | 4.8    | 5.6    | 18°   | 30°    | 28°    |  |  |
| D5   | DC56 | 2.0  | 1.4     | 1.8   | 2.5   | 3.0   | 3.5   | 3.9   | 4.3   | 5.5    | 6.7    | 7.8    | 24°   | 35°    | 33°    |  |  |
| D6   | DC56 | 2.4  | 2.2     | 2.7   | 3.7   | 4.5   | 5.3   | 5.9   | 6.5   | 8.5    | 10.2   | 11.9   | 31°   | 40°    | 38°    |  |  |
| D7   | DC56 | 2.8  | 2.9     | 3.4   | 4.9   | 6.0   | 6.9   | 7.7   | 8.5   | 11.0   | 13.5   | 15.6   | 42°   | 53°    | 51°    |  |  |
| D8   | DC56 | 3.2  | 3.7     | 4.4   | 6.2   | 7.6   | 8.8   | 9.8   | 10.8  | 13.9   | 17.0   | 19.6   | 48°   | 58°    | 56°    |  |  |
| D10  | DC56 | 4.0  | 5.1     | 6.1   | 8.6   | 10.6  | 12.2  | 13.6  | 15.0  | 19.3   | 24     | 27     | 57°   | 66°    | 64°    |  |  |

**Note:** Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C). See pages 136–157 for useful formulas and other information.

## How to order:

To order orifice disc only, specify disc number and material. Note: For proper assembly and performance, disc and core must both be of like materials.

Examples:

- DCER-2 – Ceramic
- D2 – Hardened Stainless Steel
- DE-2 – Stainless Steel
- DVP-2 – Polymer

To order core only, specify core number and material.

Examples:

- DC13-CER – Ceramic
- DC13-HSS – Hardened Stainless Steel
- DC13 – Brass
- DC13-NY – Nylon
- CP18999-EPR Seal Gasket

**STRAINER NOTE:** For nozzles using orifice disc numbers 1, 1.5 and 2; or core numbers 31 and 33, slotted strainer number 4514-20 equivalent to 25 mesh screen size is required. For all other larger capacity discs and cores, slotted strainer number 4514-32 equivalent to 16 mesh screen size is required.