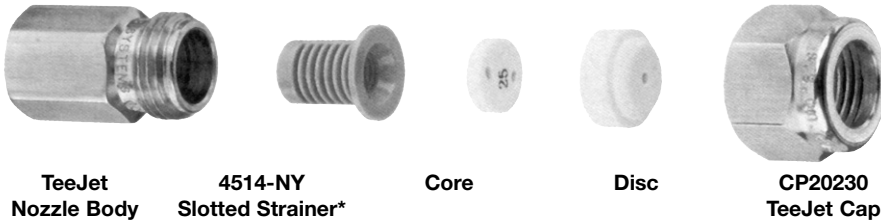


DISC-CORE TYPE CONE SPRAY TIPS

TeeJet®

Typical Assembly with Ceramic Disc and Core



Hollow Cone Spray Pattern
Produced by
Cores #13, 23,
25, 45 & 46



* Use 20229-NY gasket when 4514-NY nylon slotted strainer is not used.

Hollow Cone Type Spray Tips

NOZZLES

Nozzle	Core	Orifice	GPM										Angle		
			10 PSI	20 PSI	30 PSI	40 PSI	60 PSI	80 PSI	100 PSI	150 PSI	200 PSI	300 PSI	20 PSI	40 PSI	80 PSI
D1	DC13	.031"	-	-	.059	.066	.078	.088	.097	.115	.128	.152	-	51°	62°
D1.5	DC13	.036"	-	.057	.067	.075	.088	.098	.110	.127	.142	.167	38°	55°	66°
D2	DC13	.041"	-	.064	.075	.08	.10	.11	.12	.14	.16	.18	49°	67°	72°
D3	DC13	.047"	-	.071	.08	.09	.11	.12	.13	.16	.18	.20	53°	70°	75°
D4	DC13	.063"	.070	.09	.11	.12	.14	.16	.17	.20	.23	.27	69°	79°	83°
D1	DC23	.031"	-	-	.064	.072	.080	.096	.107	.124	.139	.164	-	47°	58°
D1.5	DC23	.036"	-	.064	.076	.086	.103	.117	.130	.155	.175	.210	34°	51°	62°
D2	DC23	.041"	-	.078	.092	.10	.13	.14	.16	.19	.21	.25	51°	63°	70°
D3	DC23	.047"	.065	.087	.10	.12	.14	.16	.18	.21	.24	.28	58°	69°	75°
D4	DC23	.063"	.082	.113	.14	.15	.19	.21	.23	.28	.32	.38	68°	82°	87°
D5	DC23	.078"	.095	.13	.16	.18	.22	.25	.28	.34	.38	.46	79°	89°	94°
D6	DC23	.094"	.112	.15	.19	.21	.26	.29	.32	.39	.45	.54	84°	93°	98°
D1	DC25	.031"	-	-	.088	.101	.122	.138	.156	.185	.210	.255	-	27°	43°
D1.5	DC25	.036"	-	.118	.135	.162	.185	.205	.245	.280	.33	.33	-	38°	49°
D2	DC25	.041"	-	.12	.14	.16	.19	.22	.25	.29	.34	.41	39°	51°	58°
D3	DC25	.047"	.10	.14	.17	.19	.23	.26	.29	.35	.40	.48	52°	61°	67°
D4	DC25	.063"	.15	.21	.25	.29	.35	.40	.45	.54	.62	.75	67°	74°	80°
D5	DC25	.078"	.18	.25	.30	.35	.42	.48	.54	.65	.75	.90	73°	79°	84°
D6	DC25	.094"	.23	.32	.39	.44	.54	.62	.70	.85	.97	1.19	79°	85°	89°
D7	DC25	.109"	.26	.37	.45	.52	.63	.73	.81	.98	1.18	1.37	85°	91°	93°
D8	DC25	.125"	.31	.43	.53	.61	.75	.89	.97	1.19	1.36	1.68	91°	96°	97°
D10	DC25	.156"	.38	.54	.65	.76	.93	1.07	1.21	1.48	1.71	2.1	97°	102°	103°
D12	DC25	.188"	.46	.61	.80	.93	1.15	1.32	1.47	1.81	2.09	2.55	103°	109°	112°
D14	DC25	.219"	.51	.72	.88	1.03	1.26	1.47	1.65	2.02	2.34	2.89	108°	113°	114°
D1	DC45	.031"	-	-	.125	.148	.170	.190	.225	.257	.310	.310	-	22°	34°
D1.5	DC45	.036"	-	-	.14	.16	.20	.23	.25	.31	.35	.43	-	33°	44°
D2	DC45	.041"	-	.14	.18	.20	.25	.28	.32	.38	.44	.53	32°	46°	55°
D3	DC45	.047"	-	.17	.20	.23	.28	.33	.36	.44	.51	.62	40°	53°	60°
D4	DC45	.063"	.18	.25	.31	.36	.43	.50	.56	.68	.78	.95	62°	69°	72°
D5	DC45	.078"	.23	.32	.39	.45	.55	.64	.71	.86	.99	1.22	67°	73°	76°
D6	DC45	.094"	.29	.41	.50	.58	.72	.83	.93	1.15	1.33	1.64	73°	79°	81°
D7	DC45	.109"	.33	.48	.59	.68	.84	.97	1.11	1.35	1.57	1.94	81°	86°	87°
D8	DC45	.125"	.41	.59	.72	.84	1.04	1.21	1.35	1.68	1.94	2.40	86°	90°	90°
D10	DC45	.156"	.54	.77	.94	1.10	1.35	1.57	1.77	2.18	2.50	3.10	90°	93°	93°
D12	DC45	.188"	.67	.95	1.17	1.36	1.68	1.95	2.20	2.69	3.11	3.80	97°	100°	102°
D14	DC45	.218"	.75	1.07	1.32	1.53	1.89	2.19	2.45	3.00	3.49	4.30	101°	104°	105°
D16	DC45	.250"	.86	1.25	1.54	1.79	2.20	2.57	2.89	3.54	4.11	5.20	108°	111°	112°
D1	DC46	.031"	-	-	.145	.178	.205	.23	.28	.32	.39	.39	-	13°	15°
D1.5	DC46	.036"	-	-	.213	.260	.300	.33	.41	.46	.56	.56	-	15°	17°
D2	DC46	.041"	-	.24	.27	.33	.37	.42	.50	.57	.68	.68	-	18°	21°
D3	DC46	.047"	-	.23	.28	.32	.39	.45	.51	.61	.70	.86	14°	20°	24°
D4	DC46	.063"	.28	.39	.48	.56	.68	.78	.88	1.07	1.23	1.52	23°	29°	33°
D5	DC46	.078"	.38	.54	.66	.77	.94	1.10	1.25	1.50	1.73	2.13	33°	39°	42°
D6	DC46	.094"	.55	.78	.95	1.10	1.35	1.58	1.73	2.16	2.50	3.06	42°	48°	50°
D7	DC46	.109"	-	.98	1.22	1.39	1.72	1.97	2.22	2.73	3.15	3.85	48°	53°	56°
D8	DC46	.125"	-	-	1.59	1.84	2.25	2.62	2.93	3.60	4.17	5.05	-	60°	62°
D10	DC46	.156"	-	-	2.15	2.48	3.05	3.53	3.96	4.83	5.59	6.8	-	66°	68°

SPECIFY DISC OR CORE NO, MATERIAL		
HOW TO ORDER-EXAMPLE		
TJ/	DESCRIPTION	PRICE
D-(1-16)	Orifice Disk-Hard SS	1.40
DCER-(1-10)	Orifice Disk-Ceramic	3.92
DVP-(2-8)	Orifice Disk-Polymer	0.87
DC-(13-56)-NY	Core-Nylon	1.26
DC-(13-56)	Core-Brass	2.46
DC-(13-56)-HSS	Core-Hard SS	5.92
DC-(13-56)-CER	Core-Ceramic	5.96

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

Cores
Standard cores are made of brass. Cores are also available in aluminum, nylon, hardened stainless steel and ceramic. All cores with the exception of ceramic are made with rear "nibs"; be sure core is always placed with the nib facing the nozzle body.

Ceramic Sizes Available: DC13-CER, DC23-CER, DC25-CER, DC31-CER, DC35-CER, DC45-CER, DC46-CER, DC56-CER.

Orifice Discs
Orifice disks are available in ceramic, hardened stainless steel, stainless steel, and polymer.

Ceramic Sizes Available: DCER-2 through DCER-8, DCER-10.

Polymer Sizes Available: DVP-2 through DVP-8.

STRAINER NOTE: For nozzles using orifice disc nos. 1, 1.5, and 2; or core nos. 31 and 33, slotted strainer no. 4514-20 equivalent to 25 mesh screen size is required. For all other larger capacity discs and cores, slotted strainer no. 4514-32 equivalent to 16 mesh screen size is required.

