



In high-pressure spraying applications, the high velocity of the liquid through the nozzle causes the orifice to wear very quickly. As the orifice becomes larger, the flow rate will increase. Surprisingly, tens and even hundreds of thousands of dollars can be wasted in excess adhesives, coatings, paint and chemicals as a result of nozzle wear, product quality or uneven spray distribution. Electricity costs will also rise due to excess pump operation.

Using spray tips constructed of a harder material provide significantly longer wear life. The abrasion resistance ratio chart shows that tungsten carbide has a resistance ratio up to 250 times greater than brass.

#### APPROXIMATE ABRASION RESISTANCE RATIOS

Spray Nozzle Material	Resistance Ratio
Aluminum	1
Brass	1
Polypropylene	1 - 2
Steel	1.5 - 2
Monel®	2 - 3
Stainless Steel	4 - 6
Hastelloy®	4 - 6
Hardened Stainless Steel	10 - 15
Stellite®	10 - 15
Silicon Carbide (Nitride Bonded)	90 - 130
Ceramics	90 - 200
Carbides	180 - 250
Synthetic Ruby or Sapphire	600 - 2000

Monel® is a registered trademark of Special Metals Corporation. Hastelloy® is a registered trademark of Haynes International, Inc. Stellite® is a registered trademark of Deloro Stellite.





#### **QUICK REFERENCE GUIDE**

Model	Max. Pressure	Spray Pattern	Typical Applications	Page
High-pressure TC Tips	3000 psi (207 bar)	Flat	<ul><li>Paint spraying</li><li>Sealant/protective coating spraying</li></ul>	4
Heavy Edge TC Tips	4000 psi (276 bar)	Flat	<ul><li>Road paint striping</li><li>Pavement and parking lot marking</li></ul>	8
Robotic TC Tips	4000 psi (276 bar)	Flat	<ul><li>Robotic spraying</li><li>Sealant/coating spraying</li><li>Adhesives spraying</li><li>Automotive seam sealing</li></ul>	10
ECRTC Tips	4000 psi (276 bar)	Even Flat	<ul> <li>Robotic spraying</li> <li>Viscous solution spraying such as thickened paints and adhesives</li> <li>Automotive seam sealing</li> </ul>	14
Fine Spray TC Tips	2000 psi (138 bar)	Hollow Cone	<ul><li>Coating inside piping</li><li>Evaporative cooling</li></ul>	16
Off-centered Flat Spray Tips	400 psi (275 bar)	Flat	• Can coating	18
RotoClean® Airless Spray Nozzles	5000 psi (345 bar)	Flat	<ul><li>Manual spraying</li><li>High-pressure paint spraying</li></ul>	20
Model HV Orifice	2000 psi (138 bar)	Flat	Orifice insert produces a fine finish; for use with high-pressure TC tips	23
High-pressure 11430 UniJet® Body	3000 psi (207 bar)	Flat	Nozzle body for high-pressure UniJet spray tips	23

# EXCEPTIONAL WEAR RESISTANCE – 30 TIMES GREATER THAN STAINLESS STEEL



#### **FEATURES AND BENEFITS**

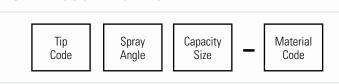
- Erosion- and corrosion-resistant tungsten carbide orifice insert provides long wear life
- Flat spray pattern with tapered edges provides even coverage when sprays overlap
- Tip orifice insert is recessed in a stainless steel tip body to protect against damage
- Can be used with a wide range of assemblies and extensions
- 12728 TC tips are available for plywood glue applications
   Request data sheet number 14518 for more information

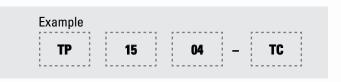
# SPECIFICATIONS: Maximum pressure: 3000 psi (207 bar) Spray pattern: Flat spray Materials: Stainless steel with tungsten carbide orifice insert

# IDEAL FOR:

- Paint spraying
- Automotive sealants and protective coatings
- Airless paint spraying
- Applying slurry to ceramic tiles

### ORDERING INFORMATION HIGH-PRESSURE TC TIPS





#### PERFORMANCE DATA: HIGH-PRESSURE TC TIPS

Spray	Capacity	Equiv. Orifice			apacity ns per n			Approx.** Spray Pattern
Angle at 40 psi	Size	Dia. (in.)	500 psi	1000 psi	1500 psi	2000 psi	3000 psi	Width (in.) at 1 ft. distance
	0017	.011	.06	.09	.10	.12	.15	15-1/2
	0025	.013	.09	.12	.15	.18	.22	16-1/2
	0033	.015	.12	.16	.20	.23	.29	17
	0039	.016	.14	.20	.24	.28	.34	18
	0050	.018	.18	.25	.30	.36	.44	19
	0067	.021	.24	.33	.41	.47	.59	21
	0800	.023	.28	.40	.49	.57	.69	22
	01	.026	.35	.50	.61	.72	.86	23
	015	.031	.53	.75	.91	1.1	1.3	25
	02	.036	.71	1.0	1.2	1.4	1.7	26
110°	03	.043	1.1	1.5	1.8	2.1	2.7	27
	04	.052	1.4	2.0	2.5	2.8	3.4	28
	05	.057	1.8	2.5	3.1	3.5	4.4	28
	053	.058	1.9	2.7	3.2	3.7	4.7	28
	06	.062	2.1	3.0	3.7	4.2	5.1	28
	07	.067	2.5	3.5	4.3	5.0	6.1	28
	08	.072	2.8	4.0	4.9	5.7	6.9	28
	09	.076	3.2	4.5	5.5	6.4	7.8	28
	10	.078	3.5	5.0	6.1	7.1	8.6	28
	11	.083	3.9	5.5	6.7	7.8	9.6	28
	12	.089	4.3	6.0	7.4	8.5	10.5	28
	0017	.011	.06	.08	.10	.12	.15	13
	0025	.013	.09	.12	.15	.18	.22	14
	0033	.015	.12	.16	.20	.23	.29	15
	0039	.016	.14	.20	.24	.28	.34	16
	0044	.017	.16	.22	.27	.31	.39	16
	0050	.018	.18	.25	.30	.36	.44	17
	0067	.021	.24	.33	.41	.47	.59	19
	0080	.023	.28	.40	.49	.57	.69	19
	01	.026	.35	.50	.61	.72	.86	21
	015	.031	.53	.75	.91	1.1	1.3	21
	02	.036	.71	1.0	1.2	1.4	1.7	22
	03	.043	1.1	1.5	1.8	2.1	2.7	22
	04	.052	1.4	2.0	2.5	2.8	3.4	23
95°	05	.057	1.8	2.5	3.1	3.5	4.4	23
	06	.062	2.1	3.0	3.7	4.2	5.1	23
	07	.067	2.5	3.5	4.3	5.0	6.1	23
	08	.072	2.8	4.0	4.9	5.7	6.9	23
	09	.076	3.2	4.5	5.5	6.4	7.8	23
	10	.078	3.5	5.0	6.1	7.1	8.6	23
	11	.085	3.9	5.5	6.7	7.8	9.6	23
	12	.089	4.3	6.0	7.4	8.5	10.5	23
	13	.092	4.6	6.5	8.0	9.2	11.3	23
	14	.095	4.9	7.0	8.6	9.9	12.0	23
	15	.099	5.3	7.5	9.2	10.6	13.0	23
	16	.100	5.7	8.0	9.8	11.3	14.0	23
	18	.104	6.4	9.0	11.0	12.7	15.7	23
	20	.109	7.1	10.0	12.2	14.1	17.4	23

Spray	Capacity							
Angle at 40 psi	Size	Dia. (in.)	500 psi	1000 psi	1500 psi	2000 psi	3000 psi	Pattern Width (in.) at 1 ft. distance
	0011	.009	.04	.06	.07	.08	.10	10-1/2
	0017	.011	.06	.08	.10	.12	.15	11-1/2
	0025	.013	.09	.12	.15	.18	.22	12-1/2
	0033	.015	.12	.16	.20	.23	.29	13
	0039	.016	.14	.20	.24	.28	.34	14
	0050	.018	.18	.25	.30	.36	.44	15
	0067	.021	.24	.33	.41	.47	.59	17
	0800	.023	.28	.40	.49	.57	.69	17
	01	.026	.35	.50	.61	.72	.86	19
	015	.031	.53	.75	.91	1.1	1.3	19
	02	.036	.71	1.0	1.2	1.4	1.7	19
80°	03	.043	1.1	1.5	1.8	2.1	2.7	19
	05	.052	1.4	2.0	2.5	2.8	3.4 4.4	19 19
	06	.057 .062	1.8	2.5	3.1	3.5		19
	07	.062	2.1	3.0	3.7 4.3	4.2 5.0	5.1 6.1	19
	08	.007	2.8	4.0	4.5	5.7	6.9	19
	09	.072	3.2	4.5	5.5	6.4	7.8	19
	10	.078	3.5	5.0	6.1	7.1	8.6	19
	11	.085	3.9	5.5	6.7	7.8	9.6	19
	12	.089	4.3	6.0	7.4	8.5	10.5	19
	13	.093	4.6	6.5	8.0	9.2	11.3	19
	14	.096	4.9	7.0	8.6	9.9	12.0	19
	15	.099	5.3	7.5	9.2	10.6	13.0	19
	0023	.012	.08	.11	.14	.16	.20	11-1/2
	0039	.016	.14	.20	.24	.28	.34	13
73°	0044	.017	.17	.22	.27	.31	.42	13
	0050	.018	.18	.25	.31	.35	.44	13
	0154	.031	.54	.77	.94	1.1	1.3	13
	0008	.007	.03	.04	.05	.06	.07	8-1/2
	0011	.009	.04	.06	.07	.08	.10	9-1/4
	0017	.011	.06	.08	.10	.12	.15	10
	0025	.013	.09	.12	.15	.18	.22	10-1/2
	0033	.015	.12	.16	.20	.23	.29	11
	0039	.016	.14	.20	.24	.28	.34	12
	0044	.017	.16	.22	.27	.31	.39	12-1/2
	0050	.018	.18	.25	.30	.36	.44	13
	0055	.019	.19	.28	.34	.39	.47	13
	0067	.021	.24	.33	.41	.47	.59	15
	0080	.023	.28	.40	.49	.57	.69	15
	01	.026	.35	.50	.61	.72	.86	16
	015	.031	.53	1.0	.91 1.2	1.1	1.3	16
65°	03	.043	1.1	1.5	1.8	2.1	2.7	16
UU	03	.052	1.4	2.0	2.5	2.8	3.4	16
	05	.052	1.8	2.5	3.1	3.5	4.4	16
	06	.062	2.1	3.0	3.7	4.2	5.1	16
	07	.067	2.5	3.5	4.3	5.0	6.1	16
	08	.072	2.8	4.0	4.9	5.7	6.9	16
	09	.076	3.2	4.5	5.5	6.4	7.8	16
	10	.078	3.5	5.0	6.1	7.1	8.6	16
	11	.085	3.9	5.5	6.7	7.8	9.6	16
	12	.089	4.3	6.0	7.4	8.5	10.5	16
	13	.093	4.6	6.5	8.0	9.2	11.3	16
	14	.096	4.9	7.0	8.6	9.9	12.0	16
	15	.099	5.3	7.5	9.2	10.6	13.0	16
	17	.102	6.0	8.5	10.4	12.0	14.7	16
	20	.109	7.1	10.0	12.2	14.1	17.4	16

<sup>\*</sup> Tabulated capacities based on water.

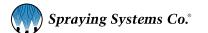
<sup>\*\*</sup> Spray pattern width is based on liquid with viscosity of 20 seconds, #4 Zahn Cup spraying at 1600 psi (110 bar). Coverage will vary with viscosities and pressures.

#### PERFORMANCE DATA: HIGH-PRESSURE TC TIPS

Spray	Capacity	Equiv. Orifice			apacity ns per n			Approx.** Spray Pattern
Angle at 40 psi	Size	Dia. (in.)	500 psi	1000 psi	1500 psi	2000 psi	3000 psi	Width (in.) at 1 ft. distance
	0004	.005	.01	.02	.02	.03	.03	6-1/2
	0006	.006 .007	.02	.03	.04 .05	.04	.05 .07	7-3/4
	0011	.007	.03	.06	.07	.00	.10	8
	0017	.011	.06	.08	.10	.12	.15	8-1/2
	0025	.013	.09	.12	.15	.18	.22	9
	0033	.015 .016	.12 .14	.16 .20	.20 .24	.23	.29	10 10-1/2
	0044	.017	.16	.22	.27	.31	.39	10-1/2
	0050	.018	.18	.25	.30	.36	.44	11
	0055	.019	.19	.28	.34	.39	.47	11 12
50°	0067	.021 .023	.24	.33	.41 .49	.47 .57	.59 .69	13
	01	.026	.35	.50	.61	.72	.86	14
	015	.031	.53	.75	.91	1.1	1.3	14
	02	.036 .043	.71 1.1	1.0	1.2	1.4 2.1	1.7 2.7	14
	03	.043	1.4	2.0	1.8 2.5	2.8	3.4	14
	05	.057	1.8	2.5	3.1	3.5	4.4	14
	06	.062	2.1	3.0	3.7	4.2	5.1	14
	07	.067	2.5	3.5	4.3	5.0	6.1	14
	08 10	.072 .078	2.8 3.5	4.0 5.0	4.9 6.1	5.7 7.1	6.9 8.6	14
	15	.099	5.3	7.5	9.2	10.6	13.0	14
	0004	.005	.01	.02	.03	.03	.03	6-1/2
	0006	.006	.02	.03	.04	.04	.05	6-1/2
	0008	.007	.03	.04	.05	.06	.07	6-1/2
	0011	.009 .011	.04	.06	.07 .10	.08 .12	.10 .15	7-1/2
	0025	.013	.09	.12	.15	.18	.22	8
	0033	.015	.12	.16	.20	.23	.29	8-1/2
	0039	.016	.14	.20	.24	.28	.34	9
	0044	.017 .018	.16 .18	.22 .25	.27 .30	.31 .36	.39 .44	9-1/2 10
	0055	.019	.19	.28	.34	.39	.47	10
	0067	.021	.24	.33	.41	.47	.59	11
400	0080	.023	.28	.40	.49	.57	.69	11
40°	01 013	.026 .029	.35 .46	.50 .65	.61 .80	.72 .92	.86 1.1	12 12
	015	.031	.53	.75	.91	1.1	1.3	12
	02	.036	.71	1.0	1.2	1.4	1.7	12
	03	.043	1.1	1.5	1.8	2.1	2.7	12
	04 05	.052 .057	1.4	2.0	2.5 3.1	2.8 3.5	3.4 4.4	12 12
	06	.062	2.1	3.0	3.7	4.2	5.1	12
	07	.067	2.5	3.5	4.3	5.0	6.1	12
	08	.072	2.8	4.0	4.9	5.7	6.9	12
	09 10	.076 .078	3.2	4.5 5.0	5.5 6.1	6.4 7.1	7.8 8.6	12 12
	11	.083	3.9	5.5	6.7	7.8	9.6	12
	15	.099	5.3	7.5	9.2	10.6	13.0	12
	0004	.005	.01	.02	.03	.03	.03	5
	0006	.006 .007	.02	.03	.04 .05	.04	.05 .07	5 5-1/2
	0011	.007	.03	.06	.03	.00	.10	5-1/2
	0017	.011	.06	.08	.10	.12	.15	6
	0025	.013	.09	.12	.15	.18	.22	6
	0033	.015	.12 .14	.16 .20	.20 .24	.23 .28	.29	7
	0050	.016 .018	.14	.25	.30	.36	.44	7
	0055	.019	.19	.28	.34	.39	.47	7
25°	0067	.021	.24	.33	.41	.47	.59	8
	0080	.023	.28	.40 50	.49 61	.57 .72	.69	8-1/2 g
	01 015	.026 .031	.35 .53	.50 .75	.61 .91	1.1	.86 1.3	9
	02	.036	.71	1.0	1.2	1.4	1.7	9
	03	.043	1.1	1.5	1.8	2.1	2.7	9
	04	.052	1.4 1.0	2.0	2.5	2.8	3.4	9
	05 06	.057 .062	1.8 2.1	2.5 3.0	3.1	3.5 4.2	4.4 5.1	9
	08	.072	2.8	4.0	4.9	5.7	6.9	9
	10	.078	3.5	5.0	6.1	7.1	8.6	9

Angle at 40 psi	0004 0006 0008 0011 0017	Orifice Dia. (in.) .005 .006 .007	500 psi .01 .02	1000 psi	1500 psi	2000 psi	3000	Pattern Width
-	0006 0008 0011 0017	.006				poi	psi	(in.) at 1 ft. distance
-	0008 0011 0017	.007	.02	.02	.03	.03	.03	4
	0011 0017			.03	.04	.04	.05	4
	0017		.03	.04	.05	.06	.07	4-1/2
		.009	.04	.06	.07	.08	.10	4-1/2
_	0005	.011	.06	.08	.10	.12	.15	5
	0025	.013	.09	.12	.15	.18	.22	5
l —	0033	.015	.12	.16	.20	.23	.29	5-1/2
	0039	.016	.14	.20	.24	.28	.34	6
	0044	.017	.16	.22	.27	.31	.39	6
	0050	.018	.18	.25	.30	.36	.44	6
	0067	.021	.24	.33	.41	.47	.59	6-1/2
15°	0800	.023	.28	.40	.49	.57	.69	7
	01	.026	.35	.50	.61	.72	.86	7
	015	.031	.53	.75	.91	1.1	1.3	7
	02	.036	.71	1.0	1.2	1.4	1.7	7
	03	.043	1.1	1.5	1.8	2.1	2.7	7
	04	.052	1.4	2.0	2.5	2.8	3.4	7
	05	.057	1.8	2.5	3.1	3.5	4.4	7
	06	.062	2.1	3.0	3.7	4.2	5.1	7
	07	.067	2.5	3.5	4.3	4.9	6.1	7
	80	.072	2.8	4.0	4.9	5.7	6.9	7
	10	.078	3.5	5.0	6.1	7.1	8.6	7
	15	.099	5.3	7.5	9.2	10.6	13.0	7
	0004	.005	.01	.02	.03	.03	.03	3
	0006	.006	.02	.03	.04	.04	.05	3
	8000	.007	.03	.04	.05	.06	.07	3-1/2
	0011	.009	.04	.06	.07	.08	.10	3-1/2
	0017	.011	.06	.08	.10	.12	.15	4
	0025	.013	.09	.12	.15	.18	.22	4
10°	0033	.015	.12	.16	.20	.23	.29	4-1/2
10	0039	.016	.14	.20	.24	.28	.34	5
	0050	.018	.18	.25	.30	.36	.44	5
	0067	.021	.24	.33	.41	.47	.59	5-1/2
	0800	.023	.28	.40	.49	.57	.69	5-1/2
	01	.026	.35	.50	.61	.72	.86	6
	015	.031	.53	.75	.91	1.1	1.3	6
	02	.036	.71	1.0	1.2	1.4	1.7	6
	0004	.005	.01	.02	.03	.03	.03	2-1/2
	8000	.007	.03	.04	.05	.06	.07	2-1/2
	0011	.009	.04	.06	.07	.08	.10	2-1/2
	0017	.011	.06	.08	.10	.12	.15	3
	0025	.013	.09	.12	.15	.18	.22	3
	0033	.015	.12	.16	.20	.23	.29	3-1/2
5°	0039	.016	.14	.20	.24	.28	.34	4
	0050	.018	.18	.25	.30	.36	.44	4
	0067	.021	.24	.33	.41	.47	.59	4
	01	.026	.35	.50	.61	.72	.86	4
	015	.031	.53	.75	.91	1.1	1.3	4
	02	.036	.71	1.0	1.2	1.4	1.7	4
	03	.043	1.1	1.5	1.8	2.1	2.7	4

<sup>\*\*</sup> Spray pattern width is based on liquid with viscosity of 20 seconds, #4 Zahn Cup spraying at 1600 psi (110 bar). Coverage will vary with viscosities and pressures.



<sup>\*</sup> Tabulated capacities based on water.

#### **DIMENSIONS AND WEIGHTS**

	Nozzle	A (in.)	B (in.)	Net Weight (oz.)
A A	TP-TC	.5	.594	.357
A B	12020-TM-TC 9501*	.370	.734	.24
A B	12017-TM-TC 9501°	.370	.844	.28

Based on largest/heaviest version of each type.

#### **EXTENSIONS AND ASSEMBLIES**

Extension	Extension Type	Max. Pressure psi	Inlet Conn. in.	Material	Lengths in.	Special Features
	9702A	2000	11/16–16 UniJet THD	Mild steel	8 10 18 24 30 36 48 60	Projects spray at 90° angle to inlet <b>Refer to Data Sheet 9702-1</b>
	9702C	2000	11/16–16 UniJet THD	Mild steel	8 10 18 24 30 36 48 60	Curved extension <b>Refer to Data Sheet 9702-1</b>

Wide range of extensions available request data sheets 9702-1, 9702-1 and 9018 for more information

<sup>\*</sup>Request data sheets 14644, 14644-1 and 14644-2 for more information.

### DISTINCT HEAVY EDGE PATTERN COMBINED WITH LONG WEAR LIFE



#### **FEATURES AND BENEFITS**

- Heavy edge distribution for pronounced edge pattern
- Erosion- and corrosion-resistant tungsten carbide orifice insert provides long wear life
- Tip orifice insert is recessed in a stainless steel tip body to protect against damage

## SPECIFICATIONS: Maximum pressure: 4000 psi (276 bar) Spray pattern: Flat spray Materials: Stainless steel with tungsten carbide orifice insert



### ORDERING INFORMATION HEAVY EDGE TC SPRAY TIP

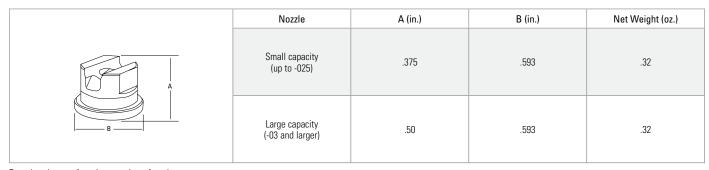


#### PERFORMANCE DATA: HEAVY EDGE TO SPRAY TIP

Spray Angle	Capacity	Equiv. Orifice		(g		city* er minut	te)	
at 40 psi	Size	Dia. (in.)	500 psi	1000 psi	1500 psi	2000 psi	3000 psi	4000 psi
	0033	.015	.12	.16	.20	.23	.29	.34
65°	07	.067	2.5	3.5	4.3	4.9	6.1	7.1
	08	.072	2.8	4.0	4.9	5.7	6.9	7.9
	0050	.018	.18	.25	.30	.36	.44	.51
	01	.026	.35	.50	.61	.72	.86	.99
	015	.031	.53	.75	.91	1.1	1.3	1.5
	02	.036	.71	1.0	1.2	1.4	1.7	2.0
	025	.040	.88	1.3	1.5	1.8	2.2	2.5
50°	04	.052	1.4	2.0	2.5	2.8	3.4	4.0
	05	.057	1.8	2.5	3.1	3.5	4.4	5.1
	06	.062	2.1	3.0	3.7	4.2	5.1	6.0
	07	.067	2.5	3.5	4.3	4.9	6.1	7.1
	08	.072	2.8	4.0	4.9	5.7	6.9	7.9
	09	.076	3.2	4.5	5.5	6.4	7.8	9.1
	0033	.015	.12	.16	.20	.23	.29	.34
	01	.026	.35	.50	.61	.72	.86	1.5
	02	.036	.71	1.0	1.2	1.4	1.7	2.0
	03	.043	1.1	1.5	1.8	2.1	2.7	3.1
40°	05	.057	1.8	2.5	3.1	3.5	4.4	5.1
	06	.062	2.1	3.0	3.7	4.2	5.1	6.0
	07	.067	2.5	3.5	4.3	4.9	6.1	7.1
	08	.072	2.8	4.0	4.9	5.7	6.9	7.9
	09	.076	3.2	4.5	5.5	6.4	7.8	9.1
35°	06	.062	2.1	3.0	3.7	4.2	5.1	6.0

Spray	Capacity	Equiv. Orifice		(g	Capa allons p	icity* er minut	re)	
Angle at 40 psi	Size	Dia. (in.)	500 psi	1000 psi	1500 psi	2000 psi	3000 psi	4000 psi
	06	.062	2.1	3.0	3.7	4.2	5.1	6.0
30°	07	.067	2.5	3.5	4.3	4.9	6.1	7.1
30	08	.072	2.8	4.0	4.9	5.7	6.9	7.9
	09	.076	3.2	4.5	5.5	6.4	7.8	9.1
	0025	.013	.09	.12	.15	.18	.29	.34
	01	.026	.35	.50	.61	.72	.86	1.5
	015	.031	.53	.75	.91	1.1	1.3	1.5
	02	.036	.71	1.0	1.2	1.4	1.7	2.0
200	03	.043	1.1	1.5	1.8	2.1	2.7	3.1
25°	04	.052	1.4	2.0	2.5	2.8	3.4	4.0
	05	.057	1.8	2.5	3.1	3.5	4.4	5.1
	06	.062	2.1	3.0	3.7	4.2	5.1	6.0
	08	.072	2.8	4.0	4.9	5.7	6.9	7.9
	10	.078	3.5	5.0	6.1	7.1	9.0	9.9
20°	03	.043	1.1	1.5	1.8	2.1	2.7	3.1
	0800	.023	.28	.40	.49	.57	.69	.79
	01	.026	.35	.50	.61	.72	.86	1.5
	015	.031	.53	.75	.91	1.1	1.3	1.5
	02	.036	.71	1.0	1.2	1.4	1.7	2.0
15°	03	.043	1.1	1.5	1.8	2.1	2.7	3.1
	04	.052	1.4	2.0	2.5	2.8	3.4	4.0
	05	.057	1.8	2.5	3.1	3.5	4.4	5.1
	06	.062	2.1	3.0	3.7	4.2	5.1	6.0
	08	.072	2.8	4.0	4.9	5.7	6.9	7.9
10°	025	.040	.88	1.3	1.5	1.8	2.5	2.5

#### **DIMENSIONS AND WEIGHTS**



Based on largest/heaviest version of each type.

<sup>\*</sup>Tabulation is based on water spraying at temperature at 70°F (21°C).

REPEATABLE, UNIFORM
SPRAY COVERAGE
FOR PRECISION
SPRAY APPLICATIONS



#### **FEATURES AND BENEFITS**

- Best coverage tolerances in TC tip line
- Tapered edge spray pattern provides even coverage when sprays overlap
- Flow channel design minimizes heavy spray pattern edges
- Tips have flats to ensure accurate spray pattern alignment every time
- Tip orifice insert is recessed in a stainless steel tip body to protect against damage
- Erosion-resistant tungsten carbide orifice insert provides longer wear life than standard stainless steel tips

# SPECIFICATIONS: Maximum pressure: 4000 psi (276 bar) Spray pattern: Flat spray or solid stream Materials: Stainless steel body with tungsten carbide orifice



- Robotic equipment in precise, repetitive paint spraying applications
- Sealant/coating spraying
- Operations where overspray is undesirable

### ORDERING INFORMATION ROBOTIC TC TIPS – ROBTC



# REDUCED BUILD-UP & CLOGGING EXTENDS PRODUCTION TIME BETWEEN MAINTENANCE



#### **FEATURES AND BENEFITS**

- Special tip design guides spray solution away from the orifice and reduces clogging caused by caking and build-up
- Tips have flats to ensure accurate spray pattern alignment every time
- Designed for use in applications where the spray solution tends to dry quickly; shorter tip holder than ROBTC tips

# SPECIFICATIONS: Maximum pressure: 4000 psi (276 bar) Spray pattern: Flat spray or solid stream Materials: Stainless steel body with tungsten carbide orifice



- Robotic equipment in precise, repetitive paint spraying applications
- Sealant/coating spraying
- Operations where overspray is undesirable

### ORDERING INFORMATION ROBOTIC TC TIPS – CDROBTC



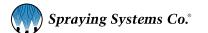
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#### PERFORMANCE DATA: ROBOTIC/CDROBTC TC TIPS

Spray Angle	Capacity	Equiv.			Cap	acity (gallor	ns per minut	:e)***			Approx.**
at 40 psi	Size	Orifice Dia.* (in.)	500 psi	1000 psi	1500 psi	2000 psi	2500 psi	3000 psi	3500 psi	4000 psi	Spray Pattern Width (in.) at 1 ft. distance
	0067	.021	.24	.33	.41	.47	.53	.58	.63	.67	21 to 22
	0800	.023	.28	.40	.49	.57	.63	.69	.75	.80	21-3/4 to 22-3/4
110°	01	.026	.35	.50	.61	.72	.79	.87	.94	1.0	23-1/2 to 24-1/2
	015	.031	.53	.75	.91	1.1	1.2	1.3	1.4	1.5	25 to 26
	02	.036	.71	1.0	1.2	1.4	1.6	1.7	1.9	2.0	26 to 27
95°	0080	.023	.28	.40	.49	.57	.63	.69	.75	.80	19-1/2 to 20-1/2
	02	.036	.71	1.0	1.2	1.4	1.6	1.7	1.9	2.0	21-1/2 to 22-1/2
-	0044	.017	.16	.22	.27	.31	.35	.38	.41	.44	14-1/2 to 15-1/2
-	0050 0055	.018	.18 .19	.25	.30	.36	.40	.43	.47 .51	.50 .55	15 to 16 14-1/2 to 15-1/2
-	0067	.019	.19	.33	.34	.39	.53	.58	.63	.67	14-1/2 to 15-1/2
	0087	.021	.28	.33	.49	.57	.63	.69	.75	.80	17-1/4 to 18-1/4
80°	0000	.026	.35	.50	.61	.72	.79	.87	.94	1.0	18-3/4 to 19-3/4
00	015	.031	.53	.75	.91	1.1	1.2	1.3	1.4	1.5	18-1/2 to 19-1/2
	02	.036	.71	1.0	1.2	1.4	1.6	1.7	1.9	2.0	18-1/2 to 19-1/2
	03	.043	1.1	1.5	1.8	2.1	2.4	2.6	2.8	3.0	18-1/2 to 19-1/2
	04	.052	1.4	2.0	2.5	2.8	3.2	3.5	3.7	4.0	18-1/2 to 19-1/2
	05	.057	.18	2.5	3.1	3.5	4.0	4.3	4.7	5.0	18-1/2 to 19-1/2
	0039	.016	.14	.20	.24	.28	.31	.34	.36	.39	11-1/2 to 12-1/2
	0044	.017	.16	.22	.27	.31	.35	.38	.41	.44	12-1/2 to 13-1/2
	0050	.018	.18	.25	.30	.36	.40	.43	.47	.50	12-1/2 to 13-1/2
	0055	.019	.19	.28	.34	.39	.43	.48	.51	.55	12-1/2 to 13-1/2
65°	0067	.021	.24	.33	.41	.47	.53	.58	.63	.67	14-1/2 to 15-1/2
05	0800	.023	.28	.40	.49	.57	.63	.69	.75	.80	14-1/2 to 15-1/2
	01	.026	.35	.50	.61	.72	.79	.87	.94	1.0	16-1/4 to 17-1/4
	015	.031	.53	.75	.91	1.1	1.2	1.3	1.4	1.5	15-1/2 to 16-1/2
	02	.036	.71	1.0	1.2	1.4	1.6	1.7	1.9	2.0	14-3/4 to 15-3/4
	03	.043	1.1	1.5	1.8	2.1	2.4	2.6	2.8	3.0	15-1/2 to 16-1/2
-	0044	.017	.16	.22	.27	.31	.35	.38	.41	.44	10-1/2 to 11-1/2
-	0050	.018	.18	.25	.30	.36	.40	.43	.47	.50	10-1/2 to 11-1/2
-	0055	.019	.19 .24	.28	.34	.39	.43	.48 .58	.51 .63	.55 .67	10-1/2 to 11-1/2
-	0067	.021	.28	.33	.41	.57	.63	.58	.75	.80	12-1/2 to 13-1/2 12-1/2 to 13-1/2
50°	01	.025	.35	.50	.61	.72	.79	.87	.94	1.0	13-1/2 to 14-1/2
	015	.031	.53	.75	.91	1.1	1.2	1.3	1.4	1.5	13-1/2 to 14-1/2
	02	.036	.71	1.0	1.2	1.4	1.6	1.7	1.9	2.0	13-1/2 to 14-1/2
	03	.043	1.1	1.5	1.8	2.1	2.4	2.6	2.8	3.0	13-1/2 to 14-1/2
	10	.078	3.5	5.0	6.1	7.1	7.9	8.7	9.4	10.0	13-1/2 to 14-1/2
	0011	.009	.039	.055	.067	.078	.087	.095	.10	.11	6-1/2 to 7-1/2
	0017	.011	.06	.08	.10	.12	.13	.15	.16	.17	6-1/2 to 7-1/2
	0025	.013	.09	.12	.15	.18	.20	.22	.23	.25	7 to 8
-	0044	.017	.16	.22	.27	.31	.35	.38	.41	.44	8-1/2 to 9-1/2
	0050	.018	.18	.25	.30	.36	.40	.43	.47	.50	8-1/2 to 9-1/2
40°											, ,
	0055	.019	.19	.28	.34	.39	.43	.48	.51	.55	8-1/2 to 9-1/2
	0067	.021	.24	.33	.41	.47	.53	.58	.63	.67	10-1/2 to 11-1/2
	0800	.023	.28	.40	.49	.57	.63	.69	.75	.80	10-1/2 to 11-1/2
	01	.026	.35	.50	.61	.72	.79	.87	.94	1.0	11-1/2 to 12-1/2
	015	.031	.53	.75	.91	1.1	1.2	1.3	1.4	1.5	11-1/2 to 12-1/2
	02	.036	.71	1.0	1.2	1.4	1.6	1.7	1.9	2.0	11-1/2 to 12-1/2

<sup>\*</sup> For solid stream tips, the actual orifice diameter is listed.

<sup>\*\*\*</sup> Tabulation is based on spraying water at temperature at 70°F (21°C).



<sup>\*\*</sup> Spray pattern width is based on liquid with viscosity of 20 seconds, #4 Zahn Cup spraying at 1600 psi (110 bar).

#### PERFORMANCE DATA: ROBOTIC/CDROBTC TC TIPS

Spray Angle	Capacity	Equiv.			Сар	acity (gallo	ns per minut	:e)***			Approx.**
at 40 psi	Size	Orifice Dia.* (in.)	500 psi	1000 psi	1500 psi	2000 psi	2500 psi	3000 psi	3500 psi	4000 psi	Spray Pattern Width (in.) at 1 ft. distance
	0017	.011	.06	.08	.10	.12	.13	.15	.16	.17	5-1/2 to 6-1/2
	0039	.016	.14	.20	.24	.28	.31	.34	.36	.39	6-1/2 to 7-1/2
	0050	.018	.18	.25	.30	.36	.40	.43	.47	.50	7-1/2 to 8-1/2
	0055	.019	.19	.28	.34	.39	.43	.48	.51	.55	7-1/2 to 8-1/2
25°	0067	.021	.24	.33	.41	.47	.53	.58	.63	.67	8-1/2 to 9-1/2
	0800	.023	.28	.40	.49	.57	.63	.69	.75	.80	8-1/4 to 9-1/4
	01	.026	.35	.50	.61	.72	.79	.87	.94	1.0	8-1/2 to 9-1/2
	015	.031	.53	.75	.91	1.1	1.2	1.3	1.4	1.5	9-1/4 to 10-1/4
	02	.036	.71	1.0	1.2	1.4	1.6	1.7	1.9	2.0	8-1/2 to 9-1/2
	0011	.009	.039	.055	.067	.078	.087	.095	.10	.11	2 to 3
_	0039	.016	.14	.20	.24	.28	.31	.34	.36	.39	4 to 5
	0050	.018	.18	.25	.30	.35	.40	.43	.47	.50	4 to 5
5°	0067	.021	.24	.34	.41	.47	.53	.58	.63	.67	4 to 5
	01	.026	.35	.50	.61	.71	.79	.87	.94	1.0	5-1/4 to 6-1/4
	015	.031	.53	.75	.92	1.1	1.2	1.3	1.4	1.5	5-1/2 to 6-1/2
	02	.036	.71	1.0	1.2	1.4	1.6	1.7	1.9	2.0	5-3/4 to 6-3/4
	0009	.026	.30	.43	.52	.60	.67	.74	.80	.85	_
	001	.028	.42	.60	.73	.85	.95	1.0	1.1	1.2	_
	0015	.034	.62	.85	1.0	1.2	1.3	1.5	1.6	1.7	_
0°	002	.039	.81	1.2	1.4	1.6	1.8	2.0	2.2	2.3	_
	003	.043	.99	1.4	1.8	2.0	2.2	2.4	2.6	2.8	_
	004	.052	1.5	2.2	2.6	3.0	3.4	3.7	4.0	4.3	_
	005	.057	1.7	2.4	2.9	3.4	3.8	4.2	4.5	4.8	_
	006	.063	2.1	3.0	3.7	4.2	4.7	5.2	5.6	6.0	_

<sup>\*</sup> For solid stream tips, the actual orifice diameter is listed.

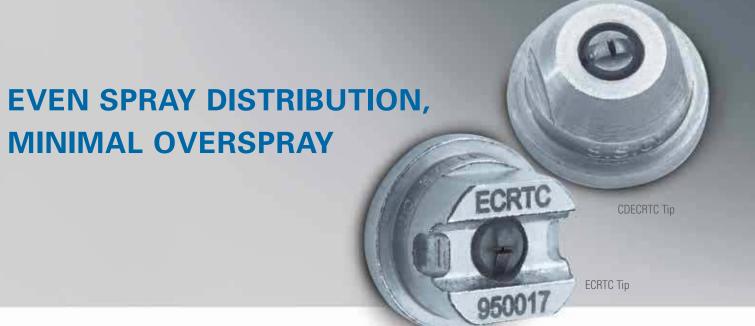
#### **DIMENSIONS AND WEIGHTS**

	Nozzle	A (in.)	B (in.)	Locating Flats (in.)	Net Weight (oz.)
A A	TP-ROBTC	.375	.59	0.5	.32
A A	TP-CDROBTC	.313	.59	0.5	.32

Based on largest/heaviest version of each type.

<sup>\*\*</sup> Spray pattern width is based on liquid with viscosity of 20 seconds, #4 Zahn Cup spraying at 1600 psi (110 bar).

<sup>\*\*\*</sup> Tabulation is based on spraying water at temperature at 70°F (21°C).



#### **FEATURES AND BENEFITS**

- Flat spray pattern with uniform distribution ensures even coverage
- Even distribution across spray pattern
- Tip orifice insert is recessed in a stainless steel tip body to protect against damage
- Erosion-resistant tungsten carbide orifice insert provides longer wear life than standard stainless steel tips
- CDECRTC tips feature a shorter tip holder than ECRTC tips and are designed for use in applications where the spray solution tends to dry quickly. The tip design helps the solution slide away from the orifice and prevents clogging caused by caking and build-up

#### **SPECIFICATIONS:**

Maximum pressure: 4000 psi (276 bar)

Spray pattern: Even flat spray

Materials: Stainless steel body with tungsten carbide orifice



- Spraying viscous solutions such as thick paints, epoxies, adhesives and other solutions prone to clogging
- High particulate solution spraying

#### **PERFORMANCE DATA**: ECRTC/CDECRTC TIPS

Spray Angle	Capacity	Equiv. Orifice Dia.		Capacity (gallons per minute)**					Approx.*
at 40 psi	Size	(in.)	500 psi	1000 psi	1500 psi	2000 psi	3000 psi	4000 psi	Spray Pattern Width (in.) at 1 ft. distance
	0017	.011	.06	.08	.10	.12	.14	.16	15
	0025	.013	.09	.12	.15	.18	.22	.25	16
	0039	.016	.14	.20	.24	.28	.34	.39	18
110°	0050	.018	.18	.25	.30	.36	.43	.50	19-1/2
	067	.021	.024	.33	.41	.47	.58	.67	20-1/2
	0800	.023	.28	.40	.49	.57	.69	.80	22
	01	.026	.35	.50	.61	.72	.86	1.00	23-1/2
95°	0017	.011	.06	.08	.10	.12	.15	.17	13
30	0039	.016	.14	.20	.24	.28	.34	.39	16
	0039	.016	.14	.20	.24	.28	.34	.39	14
	0050	.018	.18	.25	.30	.36	.45	.50	15
80°	0055	.019	.19	.28	.34	.39	.48	.55	15
	0067	.021	.24	.33	.41	.47	.58	.67	16
	0800	.023	.28	.40	.49	.57	.69	.80	17-1/4
	0017	.011	.06	.08	.10	.12	.14	.16	9.5
	0025	.013	.09	.12	.15	.18	.21	.24	10
65°	0039	.016	.14	.20	.24	.28	.34	.39	12
	0050	.018	.18	.25	.30	.36	.43	.50	13
	0067	.021	.24	.33	.41	.47	.58	.67	14-3/4
50°	0050	0.018	.18	.25	.30	.36	.43	.50	11
40°	0055	.019	.19	.28	.34	.39	.48	.56	9

<sup>\*</sup> Spray pattern width is based on liquid with viscosity of 20 seconds, #4 Zahn Cup spraying at 1600 psi (110 bar).

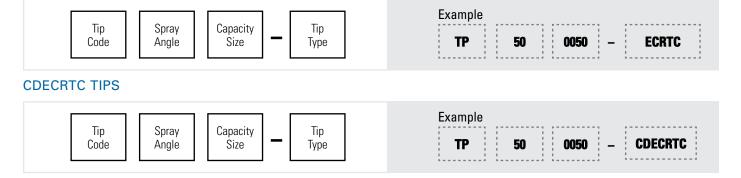
#### **DIMENSIONS AND WEIGHTS**

	Nozzle	A (in.)	B (in.)	Net Weight (oz.)
A A	TP-ECRTC	.375	.59	.32
A A	TP-CDECRTC	.313	.59	.32

Based on largest/heaviest version of each type.

#### **ORDERING INFORMATION**

#### **ECRTC TIPS**



<sup>\*\*</sup> Tabulation is based on spraying water at temperature at 70°F (21°C).

# HYDRAULIC FINE SPRAY – VERY SMALL DROPS WITHOUT COMPRESSED AIR

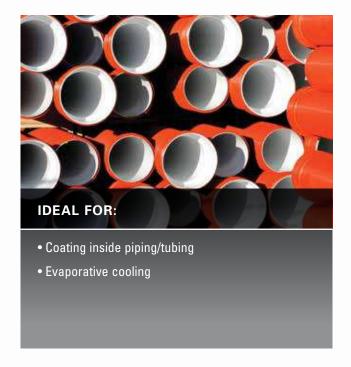


#### **FEATURES AND BENEFITS**

- High-pressure tip with tungsten carbide orifice for long wear life
- Hollow cone spray pattern with circular impact area
- Excellent atomization without use of costly compressed air

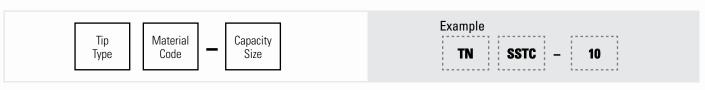
### SPECIFICATIONS: Maximum pressure: 2000 psi (138 bar) Spray pattern: Hollow cone

Materials: 303 stainless steel with tungsten carbide orifice



#### **ORDERING INFORMATION**

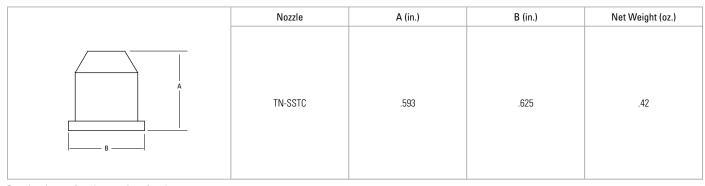
TN-SSTC SPRAY TIP



#### PERFORMANCE DATA: FINE SPRAY TC TIPS

Capacity Size	Equiv. Orifice Dia.			Capacity* (gallons per minute)			Approx.** Spray Pattern Width
Size	(in.)	400 psi	750 psi	1000 psi	1500 psi	2000 psi	(in.) at 1 ft. distance
.60	.016	.032	.043	.050	.061	.072	3
.80	.0135	.042	.058	.067	.082	.095	3
.90	.016	.047	.065	.075	.092	.11	3
1	.020	.053	.072	.083	.10	.12	3-1/2
1.5	.020	.080	.11	.13	.15	.18	3-1/2
1.8	.025	.094	.13	.15	.18	.22	4-1/2
2	.028	.11	.14	.17	.21	.24	4-1/2
3	.028	.16	.22	.25	.31	.35	6
4	.042	.21	.29	.33	.41	.47	8
6	.042	.32	.43	.50	.61	.71	10
8	.060	.42	.58	.67	.82	.94	12
9	.060	.47	.65	.75	.92	1.1	14
10	.064	.53	.72	.83	1.0	1.2	16
12	.076	.63	.87	1.0	1.2	1.4	18
14	.076	.74	1.0	1.2	1.4	1.6	14
15	.081	.79	1.1	1.25	1.5	1.7	16
16	.086	.84	1.2	1.3	1.6	1.9	18
18	.076	.95	1.3	1.5	1.8	2.1	16
20	.081	1.1	1.4	1.7	2.1	2.4	18
22	.076	1.2	1.6	1.8	2.3	2.6	12
24	.081	1.3	1.7	2.0	2.5	2.8	13
26	.086	1.4	1.9	2.2	2.7	3.1	14

#### **DIMENSIONS AND WEIGHTS**



Based on largest/heaviest version of each type.

<sup>\*</sup> Tabulated capacities based on water.

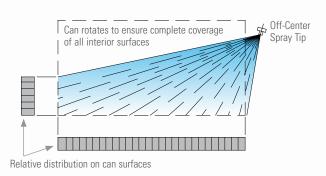
\*\* Spray pattern diameter is based on liquid with viscosity of 20 seconds, #4 Zahn Cup spraying at 1600 psi (110 bar). Coverage will vary with viscosities and pressures.

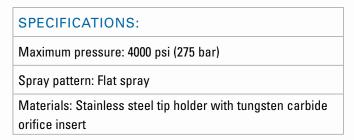
# DESIGNED FOR UNIFORM COATING OF CAN INTERIORS

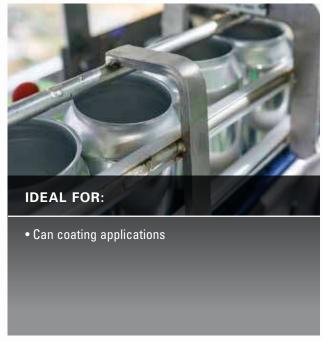


#### **FEATURES AND BENEFITS**

• Off-centered, flat spray pattern — resulting uniform coating thickness on the interior of cans

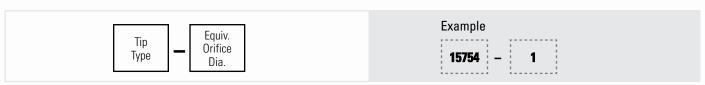






#### **ORDERING INFORMATION**

OFF-CENTERED FLAT SPRAY TIPS



### PERFORMANCE DATA: OFF-CENTERED FLAT SPRAY TIPS

Spray Tip No.	Equiv. Orifice Dia.	Capacity (gallo	Capacity (gallons per minute)		
Spray rip No.	(in.)	500 psi	1000 psi	Spray angle at 500 psi	
15754-1	.015	.12	.16	80°	
15754-2	.009	.04	.06	30°	
15754-3	.017	.15	.21	82°	
15754-4	.013	.09	.12	75°	
15754-5	.013	.09	.12	40°	
15754-6	.013	.09	.12	50°	
15754-7	.022	.26	.36	25°	
15754-8	.026	.36	.50	25°	
15754-9	.009	.04	.06	80°	

#### **DIMENSIONS AND WEIGHTS**

	Nozzle	A (in.)	B (in.)	Net Weight (oz.)
A A	15754	.375	.594	.26

Based on largest/heaviest version of each type.





- Simply rotate handle 180° and blow obstructions out of the opening in the back of the tip it's fast and easy
- Tungsten carbide orifice provides maximum erosion resistance for high-pressure spraying
- Easy to replace the orifice no need to disassemble
- · Guard safety feature

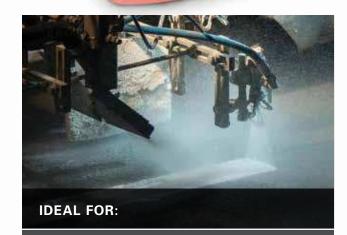
### SPECIFICATIONS:

Maximum pressure: 5000 psi (345 bar)

Spray pattern: Flat spray

Materials: Stainless steel holder with tungsten carbide

orifice insert and protective nylon lugs



726

- Manual spraying
- High-pressure paint spraying
- Road paint striping
- Fiberglass manufacturing

#### **ORDERING INFORMATION**

ROTOCLEAN AIRLESS SPRAY NOZZLES





#### PERFORMANCE DATA: ROTOCLEAN AIRLESS SPRAY NOZZLES

For 225 Handle/Orifice	Equiv. Orifice Dia.		w Rate allons p			Approx.** Spray Pattern Width
Insert No. 26081-	(in.)	500 psi	1000 psi	1500 psi	2000 psi	(in.) at 1 ft. distance
813	.013	.09	.12	.15	.18	16-1/2
815	.015	.12	.16	.20	.23	17
918	.018	.18	.25	.30	.36	19
1021	.021	.24	.33	.41	.47	21
1023	.023	.28	.40	.49	.57	22
1126	.026	.35	.50	.61	.72	23
611	.011	.06	.08	.10	.12	13
713	.013	.09	.12	.15	.18	14
715	.015	.12	.16	.20	.23	15
818	.018	.18	.25	.30	.36	17
921	.021	.24	.33	.41	.47	19
923	.023	.28	.40	.49	.57	19
1026	.026	.35	.50	.61	.72	21
1031	.031	.53	.75	.91	1.1	21
1036	.036	.71	1.0	1.2	1.4	22
511	.011	.06	.08	.10	.12	11-1/2
613	.013	.09	.12	.15	.18	12-1/2
615	.015	.12	.16	.20	.23	13
718	.018	.18	.25	.30	.36	15
821	.021	.24	.33	.41	.47	17
823	.023	.28	.40	.49	.57	17
926	.026	.35	.50	.61	.72	19
931	.031	.53	.75	.91	1.1	19
936	.036	.71	1.0	1.2	1.4	19
513	.013	.09	.12	.15	.18	10-1/2
515	.015	.12	.16	.20	.23	11
***	.017	.16	.22	.27	.31	12-1/2
618	.018	.18	.25	.30	.36	13
***	.019	.19	.28	.34	.39	13
721	.021	.24	.33	.41	.47	15
723	.023	.28	.40	.49	.57	15
726	.026	.35	.50	.61	.72	16
731	.031	.53	.75	.91	1.1	16
736	.036	.71	1.0	1.2	1.4	16
411	.011	.06	.08	.10	.12	8-1/2
413	.013	.09	.12	.15	.18	9
415	.015	.12	.16	.20	.23	10
***	.017	.16	.22	.27	.31	10-1/2
518	.018	.18	.25	.30	.36	11
***	.019	.19	.28	.34	.39	11

For 225 Handle/Orifice Insert No. 26081-  621  623  626  .02  631  .03	iv. (g Dia. ) 500 psi 1 .24	ow Rate gallons p 1000 psi			Approx.** Spray Pattern Width
105ert No. 26081- (in 621 .02 623 .02 626 .02	500 psi 1 .24	psi		2000	
623 .02 626 .02		33	F 4.	psi	(in.) at 1 ft. distance
626 .02		.00	.41	.47	12
	3 .28	.40	.49	.57	13
631 .03	6 .35	.50	.61	.72	14
	1 .53	.75	.91	1.1	14
636 .03	6 .71	1.0	1.2	1.4	14
311 .01	1 .06	.08	.10	.12	7-1/2
313 .01	3 .09	.12	.15	.18	8
.01	7 .16	.22	.27	.31	9-1/2
418 .01	8 .18	.25	.30	.36	10
.01	9 .19	.28	.34	.39	10
521 .02	1 .24	.33	.41	.47	11
523 .02	3 .28	.40	.49	.57	11
526 .02	6 .35	.50	.61	.72	12
*** .02	9 .46	.65	.80	.92	12
531 .03	1 .53	.75	.91	1.1	12
536 .03	6 .71	1.0	1.2	1.4	12
315 .01	5 .12	.16	.20	.23	7
318 .01	8 .18	.25	.30	.36	7
.01	9 .19	.28	.34	.39	7
421 .02	1 .24	.33	.41	.47	8
423 .02	3 .28	.40	.49	.57	8-1/2
426 .02	6 .35	.50	.61	.72	9
431 .03	1 .53	.75	.91	1.1	9
436 .03	6 .71	1.0	1.2	1.4	9
211 .01	1 .06	.08	.10	.12	5
213 .01	3 .09	.12	.15	.18	5
215 .01	5 .12	.16	.20	.23	5-1/2
.01	7 .16	.22	.27	.31	6
321 .02	1 .24	.33	.41	.47	6-1/2
323 .02	3 .28	.40	.49	.57	7
326 .02	6 .35	.50	.61	.72	7
331 .03	1 .53	.75	.91	1.1	7
336 .03	6 .71	1.0	1.2	1.4	7
218 .01	8 .18	.25	.30	.36	5
221 .02	1 .24	.33	.41	.47	5-1/2
223 .02	3 .28	.40	.49	.57	5-1/2
226 .02	6 .35	.50	.61	.72	6
231 .03	1 .53	.75	.91	1.1	6
236 .03	6 .71	1.0	1.2	1.4	6

<sup>\*</sup> Tabulated capacities based on water.

<sup>\*\*</sup> Spray pattern width is based on liquid with viscosity of 20 seconds, #4 Zahn Cup spraying at 1600 psi (110 bar). Coverage will vary with viscosities and pressures.

<sup>\*\*\*</sup> Available on special request.

#### **ROTOCLEAN® AIRLESS SPRAY NOZZLES**

#### **DIMENSIONS AND WEIGHTS**

	Nozzle	A (in.)	B (in.)	Net Weight (oz.)
A POSTOCIONO DE LA CONTRACTION	225	2.437	2	4.2

Based on largest/heaviest version of each type.

#### **COMPATIBLE SPRAY GUNS**

RotoClean No.	Connection Thread Size	Gasket No.	Compatible Spray Gun
225-2	11/16"-16	7894-NY	SPRAYING SYSTEMS CO. 24 AUA AND GRACO
225-3	3/4"-16	19078-NY	BALCRANK
225-6	7/8"-14	11918-NY	GRACO
225-8	3/8" NPS	12552-NY	NORDSON
225-9	3/8" NPS	10660-NY	DEVILBISS
225-10	3/4"-20	19079-NY	BINKS 50
225-11	M18 x 1 Metric	7894-NY	ATLAS COPCO
225-12	3/8" NPS	7894-NY	SPEE-FLO
225-13	M18 x 1 Metric	7894-NY	DEICKE & KOPPERSCHMIDT
225-14	1-14	9632-NY	SPRAYING SYSTEMS CO. 44 AUA
225-15	11/16"-16	12552-NY	BINKS 43
225-16	5/8"-14 BSPP	11918-NY	_
225-17	11/16"-16	13358-NY	WAGNER
225-18	M18 x 1.5 Metric	7894-NY	_

#### **MODEL HV ORIFICE**

- Produces a flat spray pattern with feathering spray pattern edges
- Orifice insert produces a fine finish; for use with high-pressure TC tips
- Ideal for high-pressure, high-wear spray applications



#### **DIMENSIONS AND WEIGHTS**

В	Orifice	A (in.)	B (in.)	Net Weight (oz.)
Î	HV	.25	.593	.32

Based on largest/heaviest version of each type.

### ORDERING INFORMATION MODEL HV ORIFICE INSERT



#### PERFORMANCE DATA: MODEL HV ORIFICE INSERT

Consoity Size	Used Wi	th TC Tip
Capacity Size	Tip Type	Equiv. Orifice Dia. (in.)
8	-0008TC	.007
10	-0011TC	.009
12	-0017TC	.011
14	-0025TC	.013
16	-0033TC	.015
17	-0039TC	.016
19	-0050TC	.018
22	-0067TC	.021
24	-0080TC	.023
27	-01TC	.026

#### **HIGH-PRESSURE 11430 UNIJET® NOZZLE BODY**

- Use with TC tips available in a wide range of spray patterns, spray angles and capacity sizes
- Nozzle replacement costs are low because only the spray tips are replaced;
   the nozzle body can be reused
- Spray tip replacement is quick and easy simply unscrew the tip retainer cap
- Built-in strainer prevents wear by keeping debris from entering the nozzle orifice





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