



# TAN-JET *HOLLOW CONE* NOZZLES

## TYPES TF, TM

Capacities: .20 to 24 G.P.M.

Spray Angles: 70° or 90°



Female Connection  
Type TF



Male Connection  
Type TM

Capacity G.P.M. @ 40 P.S.I.	Pipe Size	Catalog No.		Approx. Orifice Diameter **	CAPACITY IN GALLONS PER MINUTE (At Various Pressures in Pounds Per Square Inch)											
		FEMALE	MALE		3	5	7	10	15	20	30	40	60	80	100	125
.20	1/8	TF21	TM21	.059	—	—	.08	.10	.12	.14	.17	.20	.24	.28	.31	.34
.40	1/8	TF41	TM41	.082	—	.14	.16	.20	.25	.28	.35	.40	.48	.56	.63	.67
.60	1/8	TF61	TM61	.093	—	.21	.25	.30	.37	.42	.52	.60	.73	.85	.95	1.0
.80	1/8	TF81	TM81	.120	.22	.28	.33	.40	.49	.57	.71	.80	.96	1.1	1.3	1.4
1.0	1/8	TF101	TM101	.125	.27	.35	.42	.50	.61	.70	.86	1.0	1.2	1.4	1.6	1.7
1.2	1/8	TF121	TM121	.140	.34	.42	.50	.60	.74	.84	1.0	1.2	1.4	1.6	1.8	2.0
1.5	1/8	TF151	TM151	.156	.41	.53	.63	.75	.92	1.1	1.3	1.5	1.8	2.1	2.4	2.7
2.0	1/8	TF201	TM201	.171	.55	.71	.84	1.0	1.2	1.4	1.7	2.0	2.5	2.8	3.2	3.5
2.5	1/8	TF251	TM251	.203	.70	.91	1.1	1.2	1.5	1.8	2.2	2.5	3.1	3.5	3.9	4.4
.40	1/4	TF42	TM42	.078	—	.14	.16	.20	.25	.28	.35	.40	.48	.56	.63	.67
.60	1/4	TF62	TM62	.098	—	.21	.25	.30	.37	.42	.52	.60	.73	.85	.95	1.0
.80	1/4	TF82	TM82	.098	.22	.28	.33	.40	.49	.57	.71	.80	.96	1.1	1.3	1.4
1.0	1/4	TF102	TM102	.125	.27	.35	.42	.50	.61	.70	.86	1.0	1.2	1.4	1.6	1.7
1.2	1/4	TF122	TM122	.140	.34	.42	.50	.60	.74	.84	1.0	1.2	1.4	1.6	1.8	2.0
1.5	1/4	TF152	TM152	.156	.41	.53	.63	.75	.92	1.1	1.3	1.5	1.8	2.1	2.4	2.7
2.0	1/4	TF202	TM202	.187	.55	.71	.84	1.0	1.2	1.4	1.7	2.0	2.5	2.8	3.2	3.5
2.5	1/4	TF252	TM252	.203	.70	.91	1.1	1.2	1.5	1.8	2.2	2.5	3.1	3.5	3.9	4.4
3.0	1/4	TF302	TM302	.203	.82	1.1	1.3	1.5	1.8	2.1	2.6	3.0	3.7	4.2	4.7	5.2
.80	3/8	TF83	TM83	.098	.22	.28	.33	.40	.49	.57	.71	.80	.96	1.1	1.3	1.4
1.0	3/8	TF103	TM103	.120	.27	.35	.42	.50	.61	.70	.86	1.0	1.2	1.4	1.6	1.7
1.2	3/8	TF123	TM123	.128	.34	.42	.50	.60	.74	.84	1.0	1.2	1.4	1.6	1.8	2.0
1.5	3/8	TF153	TM153	.149	.41	.53	.63	.75	.92	1.1	1.3	1.5	1.8	2.1	2.4	2.7
2.0	3/8	TF203	TM203	.171	.55	.71	.84	1.0	1.2	1.4	1.7	2.0	2.5	2.8	3.2	3.5
2.5	3/8	TF253	TM253	.191	.70	.91	1.1	1.2	1.5	1.8	2.2	2.5	3.1	3.5	3.9	4.4
3.0	3/8	TF303	TM303	.218	.82	1.1	1.3	1.5	1.8	2.1	2.6	3.0	3.7	4.2	4.7	5.2
3.5	3/8	TF353	TM353	.221	1.0	1.3	1.5	1.7	2.1	2.4	3.0	3.5	4.3	4.9	5.6	6.2
4.0	3/8	TF403	TM403	.228	1.1	1.4	1.7	2.0	2.4	2.8	3.5	4.0	4.9	5.6	6.3	7.2
4.5	3/8	TF453	TM453	.250	1.2	1.6	1.9	2.2	2.8	3.2	3.9	4.5	5.4	6.3	7.1	7.9
5.0	3/8	TF503	TM503	.250	1.4	1.8	2.1	2.4	3.1	3.5	4.3	5.0	6.1	7.1	7.9	8.8
4.0	1/2	TF404	TM404	.234	1.1	1.4	1.7	2.0	2.4	2.8	3.5	4.0	4.9	5.6	6.3	7.2
4.5	1/2	TF454	TM454	.234	1.2	1.6	1.9	2.2	2.8	3.2	3.9	4.5	5.4	6.3	7.1	7.9
5.0	1/2	TF504	TM504	.256	1.4	1.8	2.1	2.4	3.1	3.5	4.3	5.0	6.1	7.1	7.9	8.8
6.0	1/2	TF604	TM604	.265	1.6	2.1	2.5	3.0	3.7	4.2	5.2	6.0	7.3	8.5	9.5	10.5
7.0	1/2	TF704	TM704	.287	1.9	2.5	2.9	3.5	4.3	4.9	6.1	7.0	8.6	9.9	11.1	12.4
8.0	1/2	TF804	TM804	.296	2.2	2.8	3.3	4.0	4.9	5.7	6.9	8.0	9.8	11.3	12.6	14.2
9.0	1/2	TF904	TM904	.312	2.4	3.2	3.8	4.5	5.6	6.3	7.8	9.0	11.0	12.6	14.1	15.8
10.0	1/2	TF1004	TM1004	.339	2.7	3.5	4.2	4.9	6.1	7.1	8.5	10.0	12.3	14.2	15.8	17.6
12.0	1/2	TF1204	TM1204	.375	3.3	4.3	5.0	6.0	7.3	8.5	10.4	12.0	14.7	17.0	19.0	21.0
7.0	3/4	TF706	TM706	.312	1.9	2.5	2.9	3.5	4.3	4.5	6.1	7.0	8.6	9.9	11.1	12.4
8.0	3/4	TF806	TM806	.328	2.2	2.8	3.3	4.0	4.9	5.7	6.9	8.0	9.8	11.3	12.6	14.2
9.0	3/4	TF906	TM906	.348	2.4	3.2	3.8	4.5	5.6	6.3	7.8	9.0	11.0	12.6	14.1	15.8
10.0	3/4	TF1006	TM1006	.375	2.7	3.5	4.2	4.9	6.1	7.1	8.5	10.0	12.3	14.2	15.8	17.6
12.0	3/4	TF1206	TM1206	.404	3.3	4.3	5.0	6.0	7.3	8.5	10.4	12.0	14.7	17.0	19.0	21.0
13.0	3/4	TF1306	TM1306	.421	3.5	4.6	5.4	6.5	7.8	9.1	11.1	13.0	16.2	18.4	20.6	23.0
14.0	3/4	TF1406	TM1406	.437	3.8	5.0	5.8	7.0	8.5	9.9	12.1	14.0	17.1	19.8	22.1	24.8
16.0	3/4	TF1606	TM1606	.453	4.4	5.7	6.7	8.0	9.8	11.3	13.8	16.0	19.6	22.6	25.3	28.2
18.0	3/4	TF1806	TM1806	.468	4.9	6.4	7.5	9.0	11.0	12.7	15.6	18.0	22.0	25.4	28.4	31.8
19.0	3/4	TF1906	TM1906	.484	5.1	6.8	8.0	9.6	11.7	13.4	16.4	19.0	23.2	26.8	30.0	33.0
20.0	3/4	TF2006	TM2006	.500	5.5	7.1	8.4	10.0	12.2	14.1	17.3	20.0	24.5	28.2	31.6	35.2
21.0	3/4	TF2106	TM2106	.500	5.7	7.4	8.8	10.5	12.8	14.8	18.2	21.0	25.7	29.6	33.1	36.6
22.0	3/4	TF2206	TM2206	.515	6.0	7.8	9.2	11.0	13.5	15.5	19.0	22.0	26.9	31.1	34.7	38.6
24.0	3/4	TF2406	TM2406	.546	6.6	8.5	10.1	12.0	14.7	17.0	20.8	24.0	29.4	34.0	38.0	42.3

70 and 90 spray angle determined @ 40 PSI. For spray angles at other pressures consult factory. \*\*Determines maximum foreign particle size that will flow through nozzle without clogging. For Dimensions and Weights refer to Table on Page 19.



# SPRAYLET™ *HOLLOW CONE* NOZZLES

TYPE SH

Spraylet nozzles produce a uniform hollow cone spray and are generally used in mining and other applications for dust suppression.

STEINEN /HAHN	SPRAYING SYSTEMS	JOY MINING	Capacity (Gallons per Minute (GPM))				Spray Angle	
			10 PSI	20 PSI	40 PSI	100 PSI	20 PSI	80 PSI
SH 2	BD 2		0.2	0.28	0.4	0.63	60°	70°
SH 3-1	BD 3-1	01566237-0007	-	0.18	0.26	0.4	49°	60° *
SH 3-2	BD 3-2	01566237-0051	0.22	0.31	0.44	0.69	57°	68° *
SH 3	BD 3	01566237-0006	0.3	0.42	0.6	0.95	64°	77°
SH 3-5	BD 3-5		0.34	0.48	0.68	1.1	80°	86° *
SH 5-3	BD 5-3		-	0.52	0.74	1.2	59°	66° *
SH 5	BD 5	01566237-0047	0.5	0.71	1.0	1.6	67°	76°
SH 8	BD 8		0.8	1.1	1.6	2.5	65°	70°

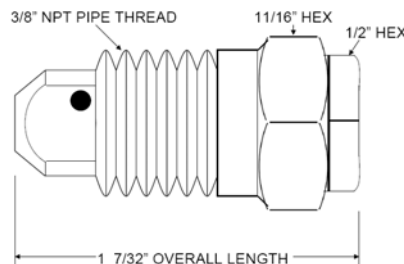
\* Angle at 100 PSI

Steinen/Hahn also offer a 1 1/4" adapter (1 1/4" x 3/8") for these Spraylet nozzles, Steinen Part # 363-00000 (Joy Mining Part #01069230-0161).

The Spraylet nozzle is manufactured by the HAHN Industries, a Division of Steinen. These nozzles are direct replacements for equivalent Spraying Systems BD WhirlJet® nozzles. The Steinen/Hahn Spraylet nozzles have a more deeply recessed spray orifice to protect the nozzle from accidental damage.

Steinen/Hahn offers several additional Spraylet nozzles not referenced above. If you do not see the flow or angle nozzle you are looking for, please call us.

## SPRAYLET™ *HOLLOW CONE* DIMENSIONS



*Spraylets have an inlet connection of 3/8" NPT pipe thread and are constructed of solid brass.*

WhirlJet® is a registered trademark of the Spraying Systems Co.

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