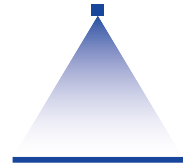


# Low pressure tongue-type nozzles

## Series 684



### Features:

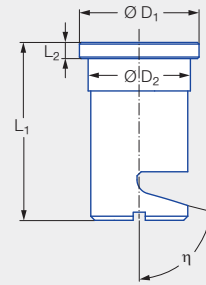
- Sharply delimited, powerful flat fan spray
- Large spray angle
- Assembly with retaining nut
- Non-clogging

### Applications:

- Foam control
- Cleaning processes
- Washing processes



Series 684



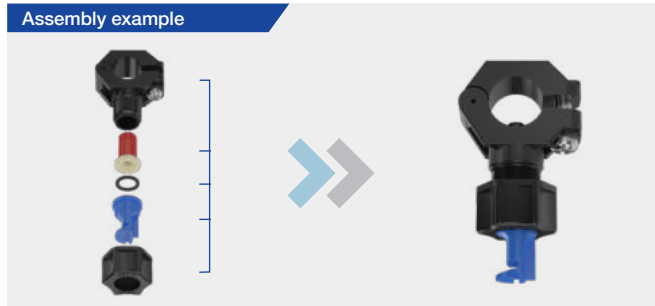
G	Dimensions [in]			Weight [lb]
	L <sub>2</sub>	Ø D <sub>1</sub>	Ø D <sub>2</sub>	
Assembly with retaining nut 3/8 NPT	0.08	0.58	0.50	0.01

Spray angle	Deflection angle η	Ordering number		Color <sup>1</sup>	Bore diameter B [in]	L <sub>1</sub> [in]	V̇ water [gal/min]				Spray width B [in] (at p = 30 psi)	
		Type	Material number				p [psi]					
			56				5E	15	30	liters per minute 2 bar	75	H = 10 [in]
140°	75°	684.348	●		Green	0.028	0.79	0.09*	0.13	<b>0.50</b>	0.21	49
		684.368	●	●	Yellow	0.03	0.79	0.12*	0.17	<b>0.63</b>	0.27	49
		684.408	●		Blue	0.04	0.79	0.19	0.27	<b>1.00</b>	0.42	50
		684.448	●		Red	0.047	0.79	0.24	0.34	<b>1.25</b>	0.53	50
		684.488	●	●	Brown	0.05	0.79	0.30	0.43	<b>1.60</b>	0.68	50
		684.528	●		Grey	0.06	0.79	0.38	0.54	<b>2.00</b>	0.85	50
		684.568	●	●	White	0.07	0.75	0.47	0.67	<b>2.50</b>	1.06	51
		684.608	●		Light blue	0.075	0.75	0.60	0.85	<b>3.15</b>	1.34	51
		684.688	●		Green	0.09	0.67	0.95	1.34	<b>5.00</b>	2.12	52
		684.728	●	●	Black	0.11	0.67	1.20	1.69	<b>6.30</b>	2.68	53
684.808	●		Beige	0.13	0.63	1.90	2.69	<b>10.00</b>	4.25	53		

\* Differing spray pattern.

<sup>1</sup> PVDF material is always blue.

### Assembly example



Conversion formula for this series:  $\dot{V}_2 = \dot{V}_1 \cdot \sqrt{\frac{p_2}{p_1}}$

Ordering Type + Material no. = Ordering no.  
example: 684.348 + 56 = 684.348.56



Assembly accessories can be found in Chapter 12 "Accessories".