

## STATIC MIXER



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**SKU:** 66551

**Categories:** [Injection pumps](#), [Bi-component injection series](#)

## DESCRIZIONE DEL PRODOTTO

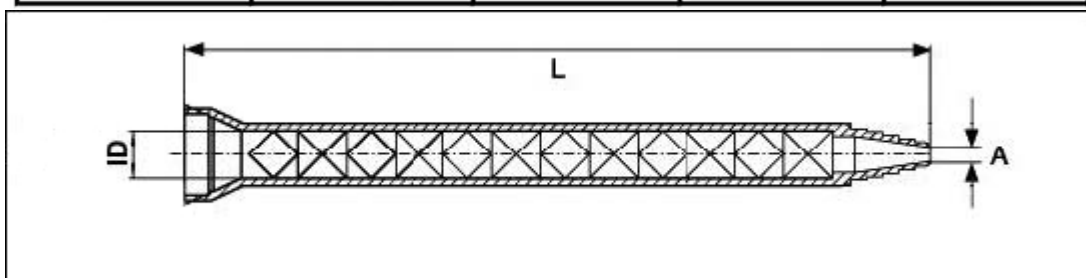
The WIT static mixer is a specialized tool designed for effective and thorough mixing of two-component materials, such as adhesives, resins and coatings. Its unique bell-shaped inlet facilitates interfacing with its housing and ensures a smooth and controlled flow of material without leakage or unwanted air inclusions.

The WIT static mixer features a series of internal mixing elements, usually in the form of fins or baffles, strategically placed to create turbulence and promote complete mixing. As materials pass through the mixer, the mixing elements interrupt the flow, ensuring intimate contact between the components and resulting in a homogeneous mixture.

WIT static mixers offer several advantages, including consistent mixing ratios, reduced air entrapment and improved dispersion of additives or fillers. They are widely used in industries such as construction, manufacturing, electronics and automotive, where precise and uniform mixing is critical for optimal performance.

Using a WIT static mixer is simple. Connect it to its housing or to the container containing the two-component materials, ensuring a secure connection. Apply pressure or dispense the materials, and they will flow through the nozzle, undergoing complete mixing along the way. After use, the nozzle can be cleaned and reused if compatible with the materials or replaced with a new one.

Elements	I.D.(mm)	L (mm)	O.D.(mm)	A (mm)	Inner-core Color
18	5	120	8	1.5	White/Yellow/Blue
24	5	149	8	1.5	White/Yellow/Blue
32	5	188	8	1.5	White/Yellow/Blue
18	6.3	148	10	1.9	White
24	6.3	185	10	2	White
32	6.3	234	10	1.9	White/Yellow
18	8	175	12	2.4	White
24	8	223	12	2.4	White/Yellow/Blue
32	8	287	12	2.4	White/Yellow/Blue
12	10	156	14	3	White
18	10	215	14	3	White
24	10	276	14	3	White/Yellow
32	10	352	14	3	White/Yellow /Blue
18	13	223	17	4	White
24	13	293	17	4	White/Yellow
32	13	379	17	4	White/Yellow
36	13	423	17	4	White/Yellow
24	9	231	12.7	3	White
48	6.3	333.8	9.4	2	White
40	9.3	359	13	3	White
24	4.7	131.72	7.6	1.78	White
12	12.65	170.4	16.76	4	Yellow
12	13	197	17	4	White/Yellow



## What is static mixing?

Static mixing is mixing of fluids without moving parts. Static mixers rely on tubular internals to produce desired mixing and dispersion effects as the melt flows through motionless mixer parts. W.I.T. static mixer solutions are designed to equalize melt inhomogeneities and reduce temperature gradients with highest effectiveness, low shear stress and minimum pressure drop. Static mixers are made up of fixed components (mixing bars) inserted inside tubular structures, where the desired mixing and dispersion effects are obtained thanks to the continuous subdivision and recombination of the flow in transit, according to very precise procedures. W.I.T. static mixers are designed to obtain a homogeneous melt and reduce temperature gradients with maximum efficiency, guaranteeing low shear forces and minimal pressure losses.

