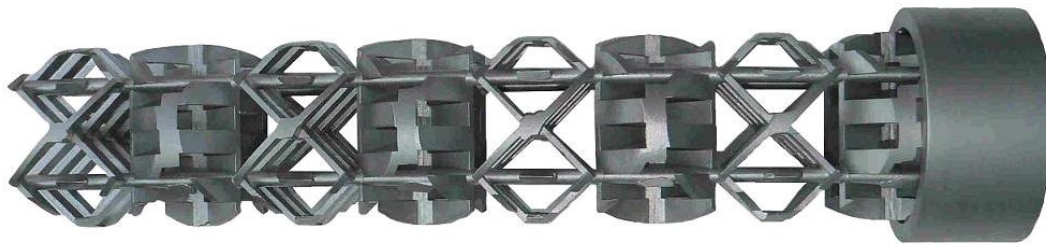


# The New Extrusion Melt Blender SMB-GXS\*

*Cast in one Piece...*

***Static Mixer with Integrated longitudinal reinforcement bars***



The New STAMIXCO Extrusion Melt Blender SMB-GXS consists of four (4) to eight (8) very efficient static mixing elements with integrated longitudinal bars. This design offers an improved strength with an open structure (no ring). The SMB-GXS mixing elements are extremely resistant due to their monolithic construction where the mixing elements are obtained via a single molten metal pour. They are made of heat treated high strength 17-4 PH stainless steel.



Static Mixer SMB-GXS – DN40  
Mixing efficiency through SMB-GXS with white and blue epoxy resins

**Available in sizes DN25mm – DN125mm**

## Characteristics

- Static Mixer cast in one piece  
→ monolythic structure
- **No Welding**
- Open X-Structure – easy to clean and check
- Very high strength obtained via the integrated longitudinal bars
- Easy retrofit
- High mixing efficiency (same as SMB-R)
- Short length
- Stainless steel 1.4542 (= 17-4 PH, A630, heat treated)
- SMB-GXS mixer easy removable from the bore
- No sleeve in bore construction requiring machining its inside diameter with tight tolerances; necessary bore tolerances for SMB-GXS is +0.1/+0.2mm only

**→ For detailed information about our static mixer SMB for Extrusion, please refer to our E-SMB-R\_03.2010 Brochure**

\* The Static Melt Blender SMB-GXS is not offered for sale in the USA.

# DIMENSIONS OF SMB-GXS

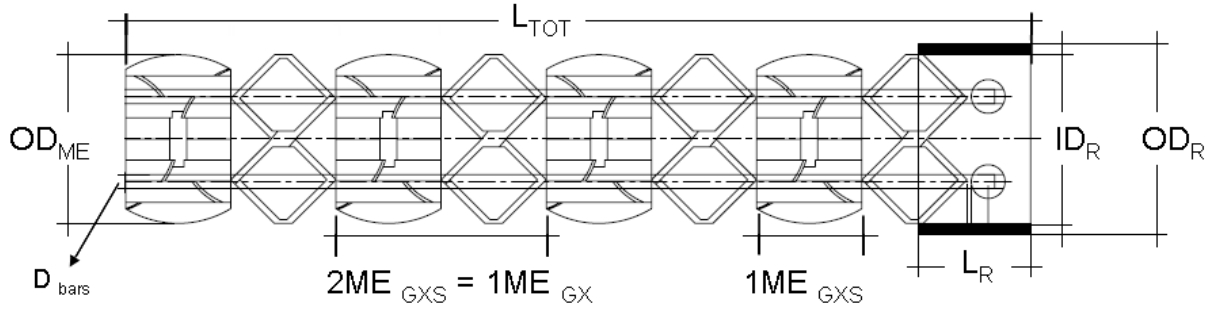
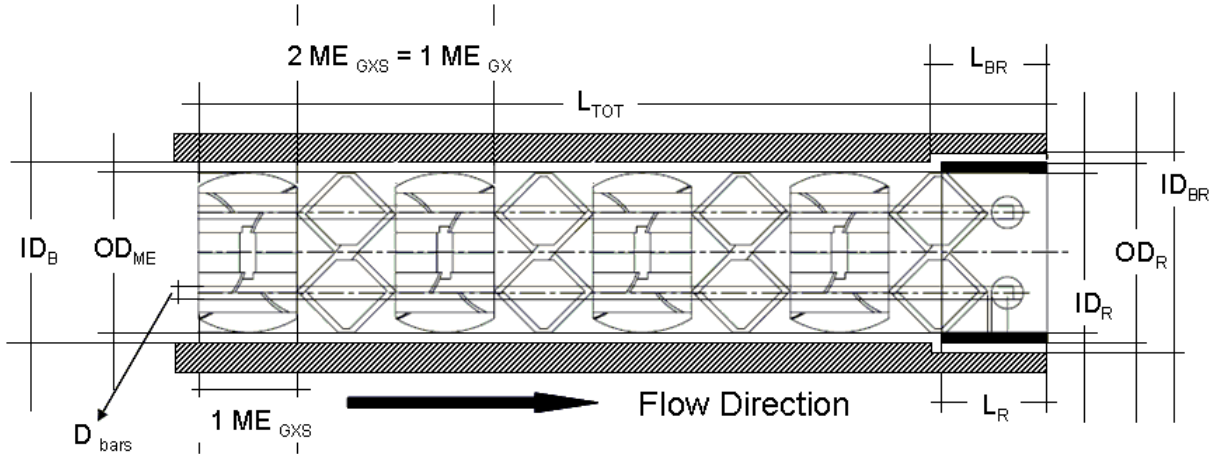


Figure #1: Main dimension of Melt Blender SMB-GXS. For values see table below.

Extruder Screw Diameter [mm]		Melt Blender	Ring			Mixing Elements		Bore			Length
High Viscosity Polymer	Low Viscosity Polymer	Type SMB-GXS	DN [mm]	OD <sub>R</sub> x ID <sub>R</sub> x L <sub>R</sub> [mm]	OD <sub>ME</sub> [mm]	D <sub>bars</sub> [mm]	ID <sub>B</sub> [mm]	ID <sub>BR</sub> [mm]	L <sub>BR</sub> [mm]	L <sub>tot.</sub> [mm]	
25	45	25/32 - 8	25	32.0 x 26 x 20.0	24.7	2.1	26.0	32.0	20.0	138	
50	60	40/48 - 8	40	48.0 x 41.5 x 30.0	40.6	3.3	41.5	48.0	30.0	211	
60	75	50/60 - 8	50	60.0 x 52.0 x 35.0	50.7	4.2	52.0	60.0	35.0	268	
75	100	65/75 - 8	65	75.0 x 68.0 x 42.0	66.5	5.5	68.0	75.0	42.0	351	
90	120	80/90 - 8	80	90.0 x 82.0 x 53.0	80.0	6.7	82.0	90.0	53.0	435	
120	150	100/115 - 8	100	115.0 x 103.5 x 63.0	101.2	8.5	103.5	115.0	63.0	528	
150	200	125/140 - 8	125	140.0 x 129.5 x 68.0	126.2	10.5	129.5	140.0	68.0	684	

Tolerances: OD<sub>R</sub>: +0/-0.20; ID<sub>R</sub>: +0/-0.2; L<sub>R</sub>: -0.1/-0.2; L<sub>BR</sub>: +0/-0.2; OD<sub>ME</sub>: +0/-0.2; ID<sub>B</sub>: +0/-0.2; ID<sub>BR</sub>: +0.1/+0.2; L<sub>tot.</sub>: +5/-5

## INSTALLATION



**stamixco**  
www.stamixco.com

A young company with over 60 years of employee accumulated experience in static mixing technology.

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