

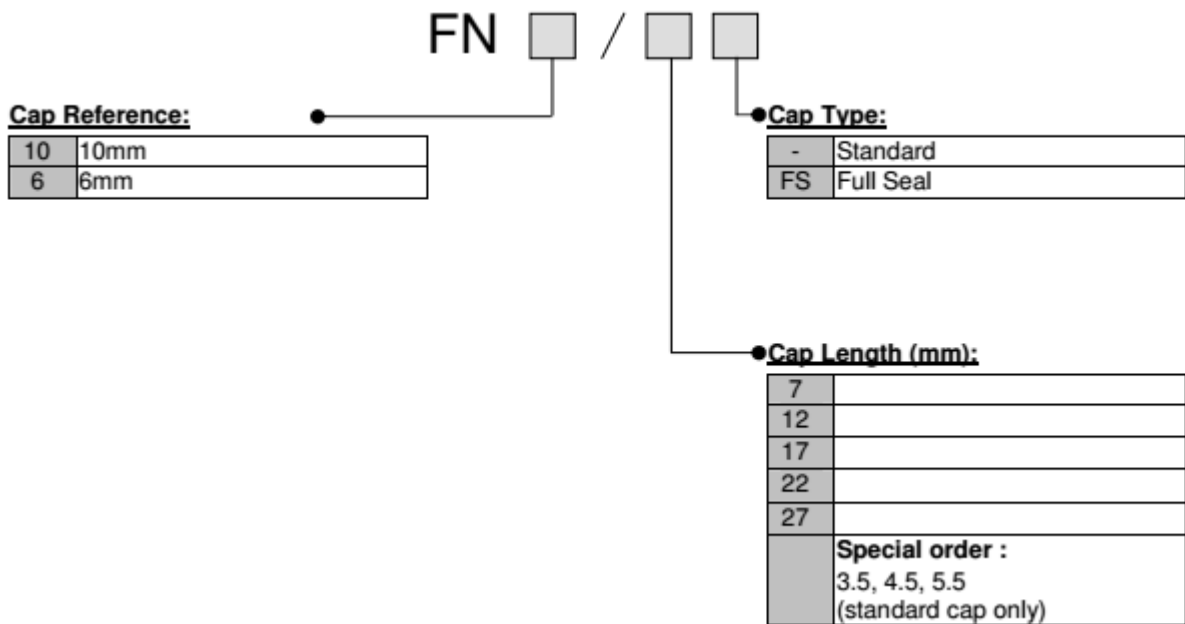
GAS INJECTION FIXED NOZZLES



Features

- Range to suit all applications
- High gas injection flow rate
- Accurate and repeatable
- Good venting
- Robust and industry proven
- Non blocking and easy to maintain
- Operate with any thermoplastics material
- Access to key components from the front of the mould

Ordering information

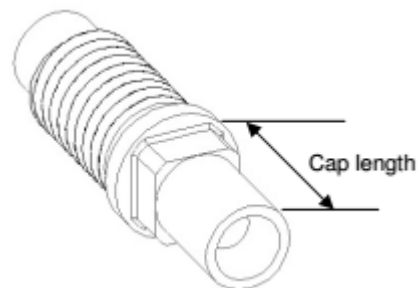


Product Details:

Cap type:

Standard 6/10:

Used in most applications. 6mm is used if 10mm is too large for the part being moulded
Comprises of cap, pin and spring assembly.
Specifying the cap length fixes the other items in the assembly



Typical Applications:

Nozzle Type	Cap Style	Channel Volume (Litres)			Fast Pressuration	Downward Gas Profile Capability
		0.05	0.1	0.15 & above		
10mm	Standard	✓	✓	✓	✓	✓
6mm	Standard	✓	✓	✓	✓	✓

The following applies to all nozzle assemblies:-

The gas injection nozzle is designed to inject and vent gas into plastic contained within a mould cavity or runner system. Before gas injection can commence the nozzle must be surrounded with plastic that is at a suitable pressure and temperature to seal around the nozzle tip.

If the plastic is not in the correct condition the gas will escape around the nozzle tip and flow over the outside surface of the component and escape to atmosphere via the split line or ejector pin.

The nozzle tip must extend far enough into the melt to create a seal and to produce the gas bubble in the desired position. If the nozzle extends too far into the melt it can create a weld line.

If the nozzle tip extends too far resulting in it being too close to the opposite cavity wall, gas flow will be restricted and flow marks can be created.

6mm/10mm:

These nozzles are suitable for a wide range of applications and can be applied to parts produced using the short shot, full shot and overspill gas assist processes.

Typical applications:-

- Automotive Grab handles, Door bins, Mirror housing, Interior door panels, IP's, Armrests
- White goods Refrigerator handles, Oven handles, Washing machine tops
- Packaging Pallets

Installation Details:

