



OFS-filterinsert

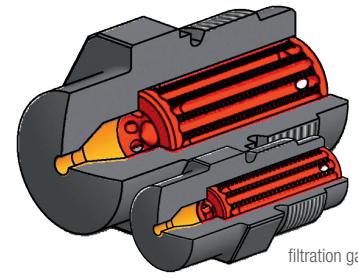
The **OFS**-filterinsert is a mechanical filter which ensures a trouble free operation of tool and hotrunner.

APPLICATION FIELDS:

The **OFS**-filterinsert is a mechanical filter. It ensures the undisturbed processing on hot runner systems and moulds with small feed points. The **OFS**-filterinsert prevents blockages of feed points caused through contamination. Because it's huge filtration surface, you get only a small pressure loss and friction. A huge advantage of the **OFS**-filterinsert is it's very simple cleaning. The contaminations are filtered out at the diameter of the filter insert and can be removed through simple brush off. The **OFS**-filterinsert can be delivered in three different sizes with several filtration gaps, as you can find in the list below.

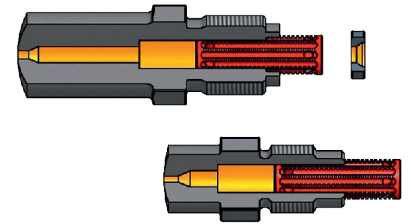
FUNCTION:

The **OFS**-filterinsert is fitted in a hole in the nozzle. The design is symmetrical, so that no mistakes can happen during the installation. The melt flows through the drills on the one side into the run-in canals. These run in canals are closed at the other end so that the melt is diverted over the filtration gaps, which are positioned along the complete length of the run in canals. Through the filtration gaps, the contaminants are filtered out. The cleaned melt flows into the run-out canals, which are opened in the flow direction, so that the cleaned melt can be injected into the mould. The **OFS**-filterinsert ensures the filtration of every contamination, metallic or nonmetallic (metal, glass, stones, wood, foreign granules,...) down to the smallest particle sizes.

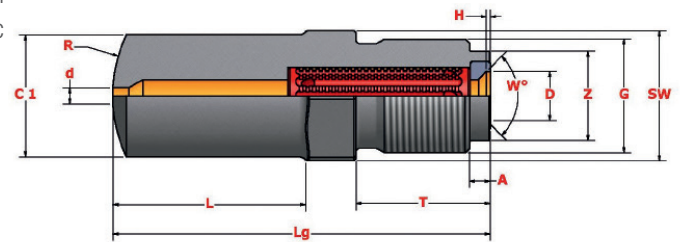


filtration gap up from 0,2 mm

There are two samples for using our **OFS**-filterinsert:



OFS-filterinsert with suitable nozzle



BENEFIT:

- ▶ failure-free injection operation
- ▶ reduction of maintenance and downtime costs
- ▶ easy handling through symmetrical design
- ▶ extremely high mechanical strength - nearly indestructible
- ▶ low pressure loss and friction through optimal rheological design of the flow canals
- ▶ additional homogenization and mixing effect
- ▶ the OFS-filterinserts can be installed in any nozzle and sprue bush

mm	L	d	D	d1	S
type 1	45	∅ 14	∅ 8	∅ 2.5	0,2, 0,3, 0,4, 0,6, 0,8, 1,0
type 2	45	∅ 20	∅ 12	∅ 2,8	0,2, 0,4, 0,6, 0,8, 1,0
type 3	50	∅ 25	∅ 16	∅ 3,8	0,2, 0,4, 0,6, 0,8, 1,0
type 5	60	∅ 35	∅ 16	∅ 6,5	0,2, 0,4, 0,6, 0,8, 1,0

the dimensions in the table are available from stock

REQUIRED MEASUREMENTS

machine thread	G	
T/A/D/Z/W°/H		specify if required
filtration gap	S	
length of nozzlehead	L	
drill	d	
radius / surface	R	

REQUIRED PARAMETERS

material (MFI)		
shot weight	gr.	
melt temperature	°C	
injection time	sec	
injection pressure spec.	bar	
machine type		
screw dia	mm	