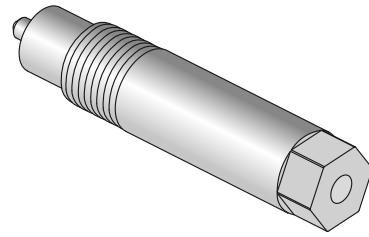
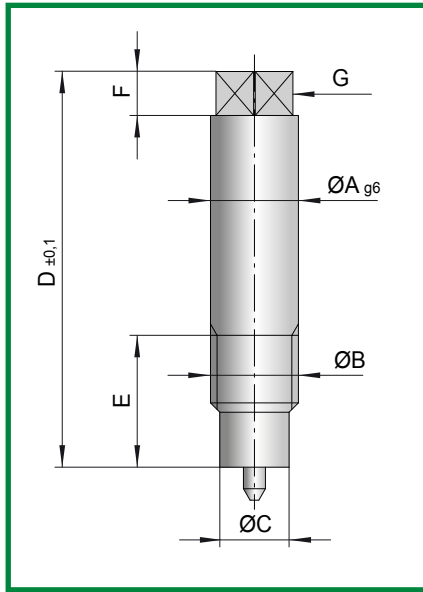


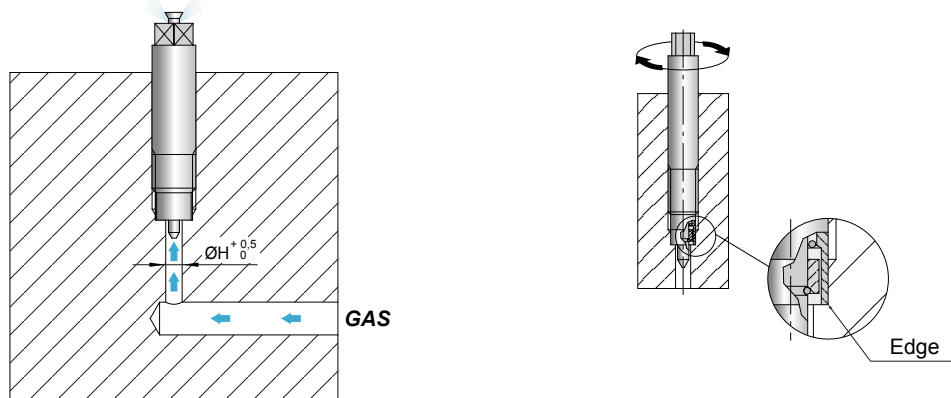
GAS INJECTOR



CODE: **IGB-..**

CODE	A	B	C	D	E	F	G	H
IGB-4	4	M4	3,3	28	10	3	CH 3,5	2
IGB-6	6	M6	4,6	33	12	3	CH 5	3
IGB-8	8	M8	6,3	36	12	4	CH 7	4
IGB-8L	8	M8	6,3	60	12	4	CH 7	4

Mat.: AISI 420B
Hardness: 50÷52 HRC

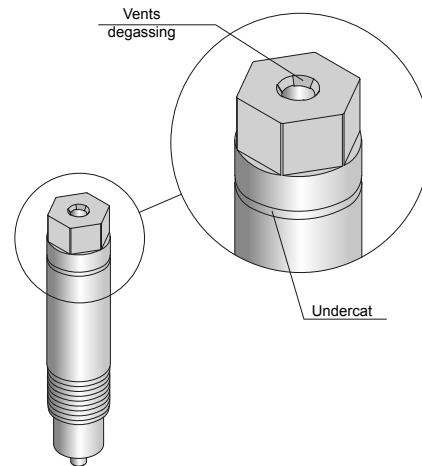


CHARACTERISTICS

- 1) FLOATING PIN SYSTEM: THE PIN CONICAL SHAPE GUARANTEES HIGH GAS FLOW RATE;
- 2) DEGASSING VENTS: VENTS TO LET THE GAS OUT ARE MACHINED ON THE INJECTOR;
- 3) CLEANING: THE MOVEMENT OF THE FLOATING PIN ALLOWS A SELF-CLEANING ACTION;
- 4) STAINLESS STEEL: THE INJECTOR IS COMPLETELY MADE IN STAINLESS STEEL;
- 5) WORKING PRESSURE FROM 1 TO 160 BAR.

STANDARD APPLICATION

1. The injection system with floating pin guarantees a high gas flow rate.
2. The degassing is carried on thanks to proper vents machined on the conical closure of the injector's body.
3. To make sure the gas spreads only in the desired direction the plastic material has to adhere to the gas injector body. In case of plastic materials such as polycarbonate or Nylon it is possible to machine an undercut on the injector body (see drawing) in order to help this process.



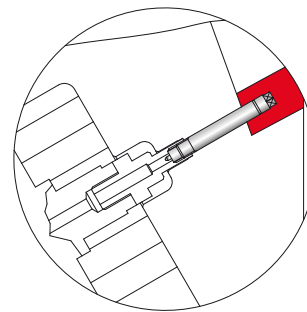
APPLICATION WITH CYLINDER

In case of big injected parts with high aesthetic requirements, degassing turns out to be extremely important in order to control the linear expansion of the gas and possible bulges.

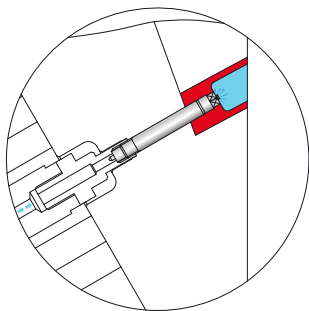
The gas vents on standard injectors sometime can't guarantees a proper degassing, that's why it can be useful to apply the gas injector on a cylinder.

Thanks to this application it is possible to carry out the degassing just extracting the gas injector from the injected part in order to allow gas to flow out.

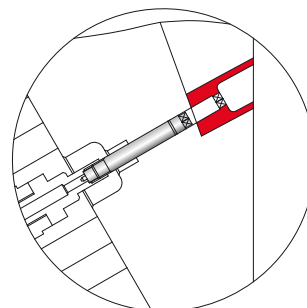
The application on a cylinder also allows to place the gas injector in undercut position.



FIRST PHASE:
Plastic injection.



SECOND PHASE:
Gas is injected into the liquid-state material.



THIRD PHASE:
After carrying out the proper pressure reduction profile, the gas injector is extracted to complete the degassing.