

NEW

In-mould Edge Gate Cutting Components (automation systems)

ALMO



- The Cutting Pin provides automation in cutting edge gates.
- The large gate enables a reduction in injection pressure and improves packing and part quality.
- The trouble-free runner is ejected from below.
- Drawings and 3D CAD Datas can be downloaded from our website: www.guvenal.net



Straight Edge Cutting



Semi Circle Edge Cutting

Cutting Pins are particularly effective and reliable in cutting hard engineering materials filled or unfilled as well as commodity plastics.

The Main Benefits:

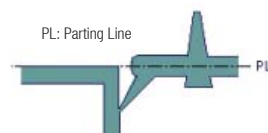
- + A gentle cutting so effective for hard engineering materials.
- + Large gate improves packing and the quality of the part.
- + Reliable ejection of cold runner system.
- + Simple and interchangeable.

The main reason for this claim is that the cutting action of the pins is spread along the full length of the cutting edge as well as the cutting action is like slicing with a knife. The cut is performed against the plastic part so there is no wear on the mould metal part.

Cutting Pins are designed to feed the edge of the plastic part positioned at the parting line of the mould.

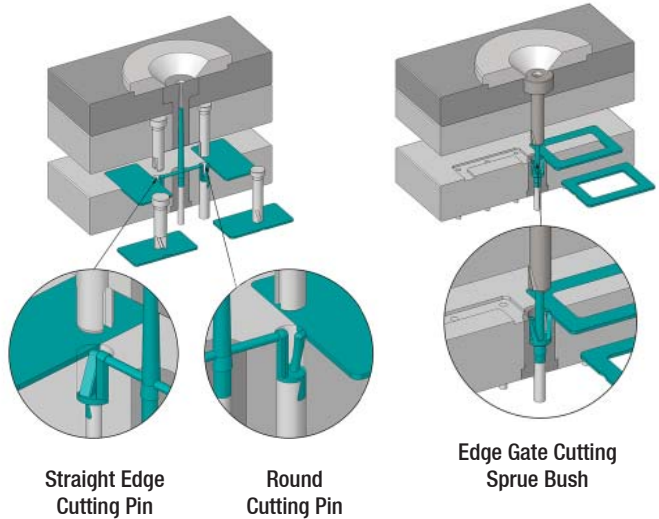


Edge Gate Cutting



Submarine Gate Cutting

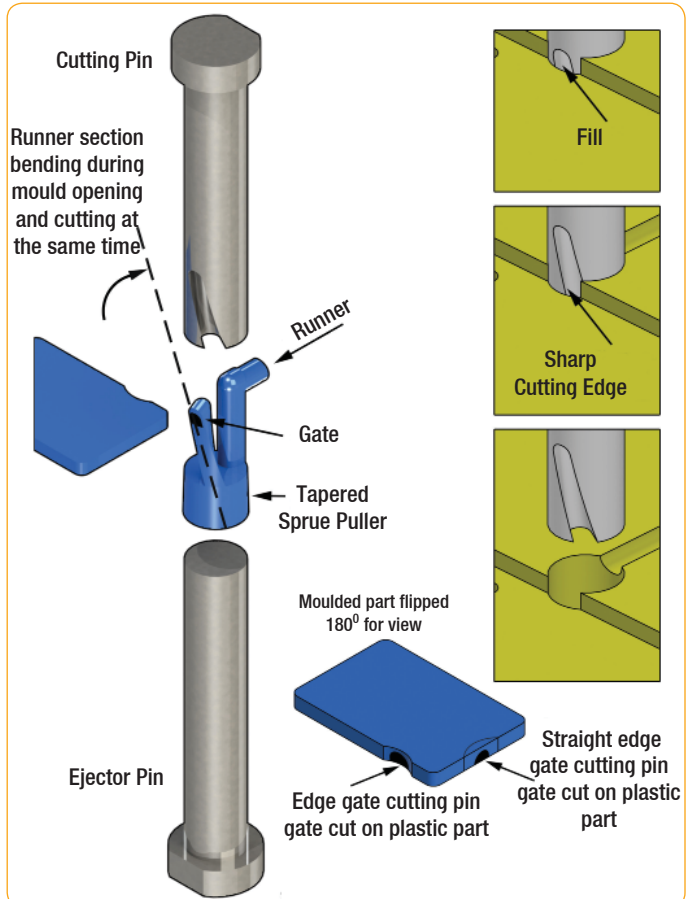
Submarine gates are designed to feed the part further up/down on the side wall of the plastic part. With a submarine gate the cutting action is hard, and the full cutting happens inside the size of the gate and it is cutting against the metal part of the mould.

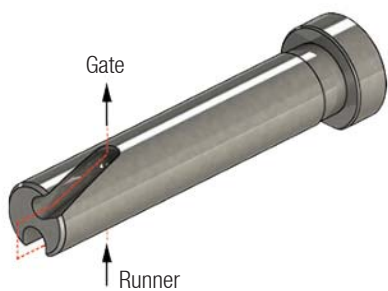


Straight Edge Cutting Pin

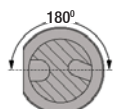
Round Cutting Pin

Edge Gate Cutting Sprue Bush





P10.50.1 & P12.60.1:

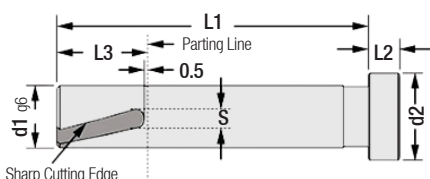


P12.60.2.90:



In-mould Edge Gate Cutting Pin

P10.50.2.120 & P12.60.2.120:

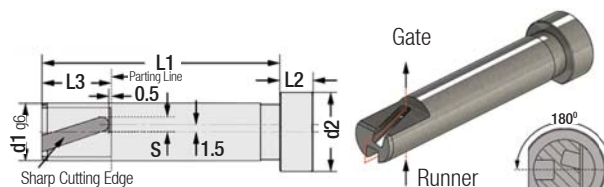


Material: 1.3343 Hardness: 62 HRC

Order Code	d1 mm	d2 mm	L1 mm	L2 mm	L3 mm	S mm	Gates
P10.50.1	10	13.7	50	5	14.5	3	1 / 180°
P10.50.2.120	10	13.7	50	5			2 / 120°
P12.60.1	12	16.5	60	7			1 / 180°
P12.60.2.90	12	16.5	60	7			2 / 90°
P12.60.2.120	12	16.5	60	7			2 / 120°

* Optionally, the length L1 can be custom-made.

In-mould Edge Gate Straight Cutting Pin

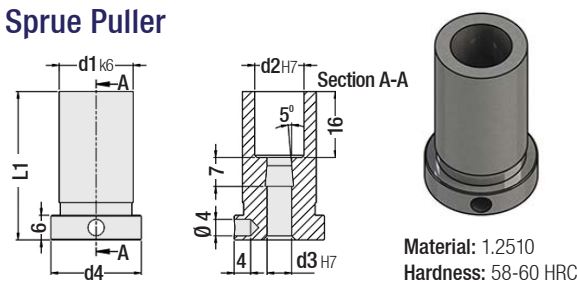


Material: 1.3343 Hardness: 62 HRC

Order Code	d1 mm	d2 mm	L1 mm	L2 mm	L3 mm	S mm	Gates
SE-P.12.60.1	12	16.5	60	7	14.5	3	1 / 180°

* Optionally, the length L1 can be custom-made.

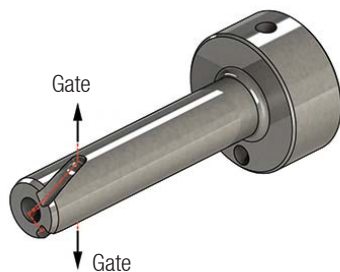
Spur Puller



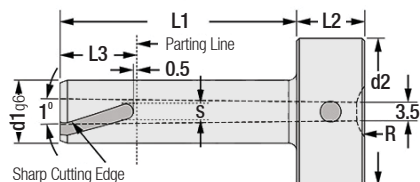
Material: 1.2510 Hardness: 58-60 HRC

Order Code	d1 mm	d2 mm	d3 mm	d4 mm	L1 mm
SP16.36	16	10	6	20	36
SP18.36	18	12		22	

* Optionally, the length L1 can be custom-made.



In-mould Edge Gate Cutting Sprue Bush

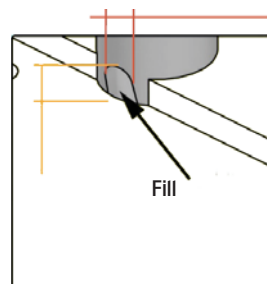
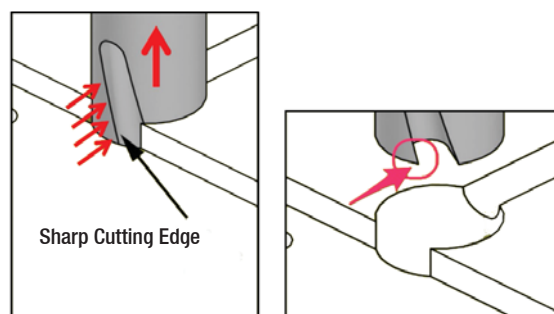


Material: 1.2826 Hardness: 54 HRC

Order Code	d1 mm	d2 mm	L1 mm	L2 mm	L3 mm	S mm	R
SB12.56.2.RF	12	28	56	13	14.5	3	Flat
SB12.76.2.RF			76				Flat
SB12.56.2.R155			56				15.5
SB12.76.2.R155			76				15.5

* Optionally, the length L1 can be custom-made.

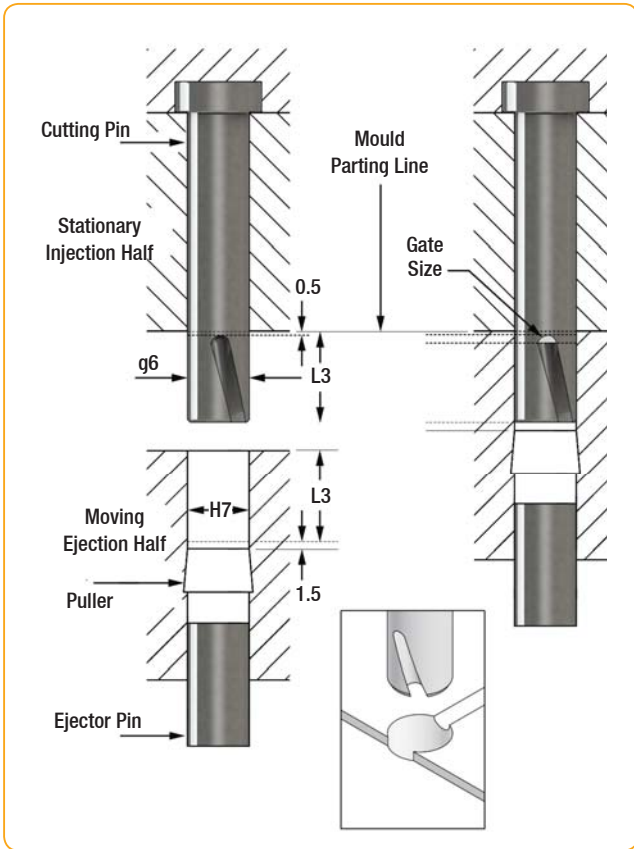
The Cutting Pins cut along the full length of the cutting edge.



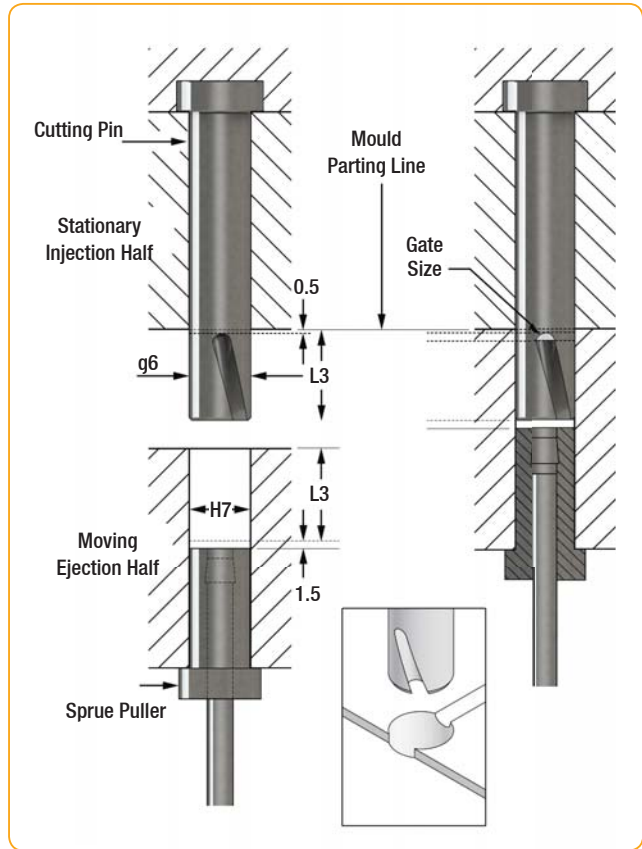
The Cutting Pins also enable a large gate opening to improve the mould fill and packing, keeping the gate open for the longest possible time and so improving the quality of the plastic part.

The Cutting Pins ejecting arrangement is reliable and does not leave the possibility of plastic remnants sticking to the mould. The installation arrangement of the cutting pin in the injection side creates a cold well for plastic material.

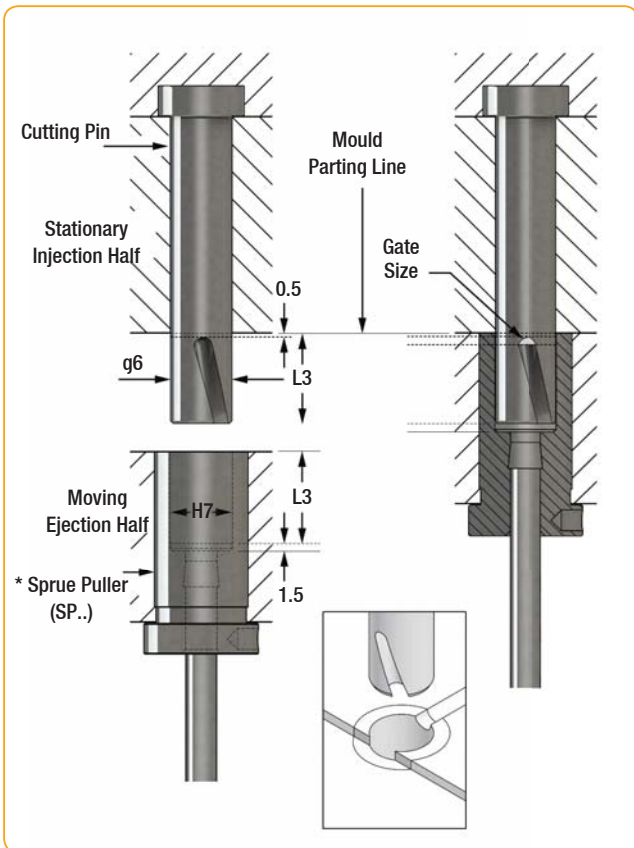
Cutting Pin / Installation Info - 1:



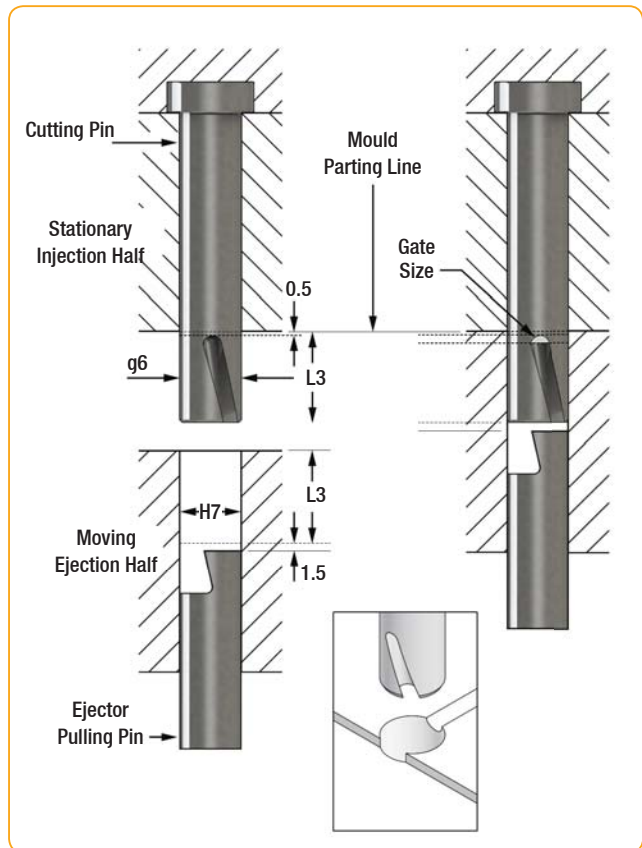
Cutting Pin / Installation Info - 2:



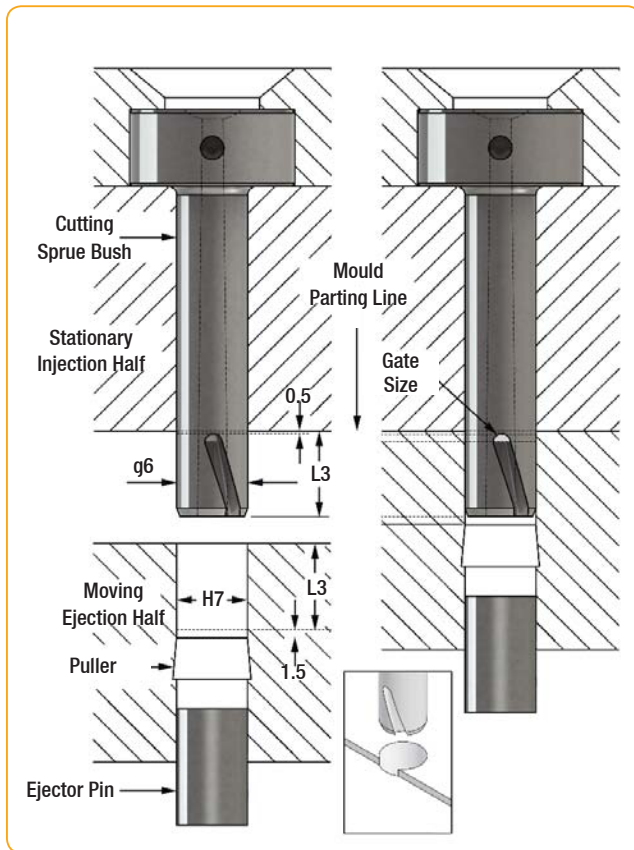
Cutting Pin / Installation Info - 3:



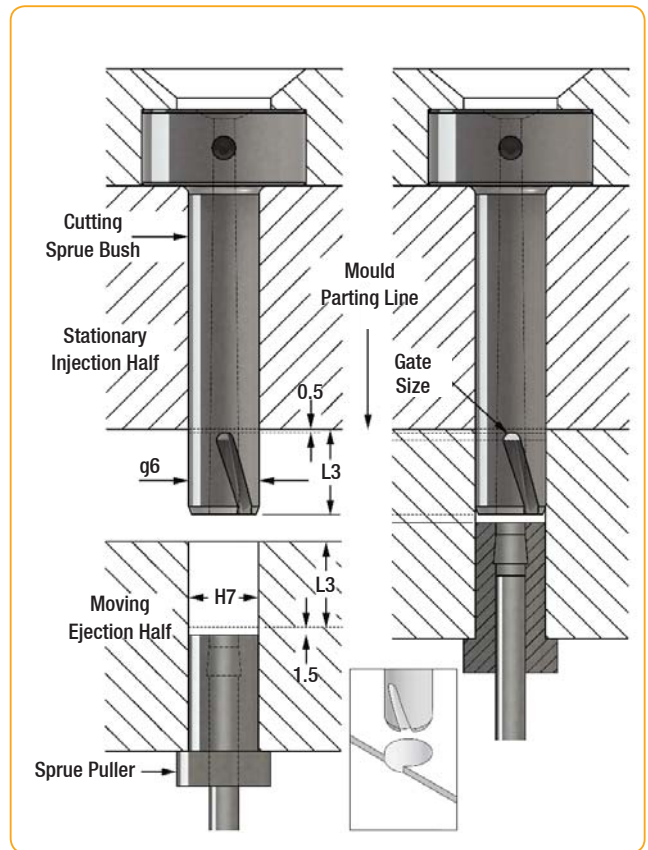
Cutting Pin / Installation Info - 4:



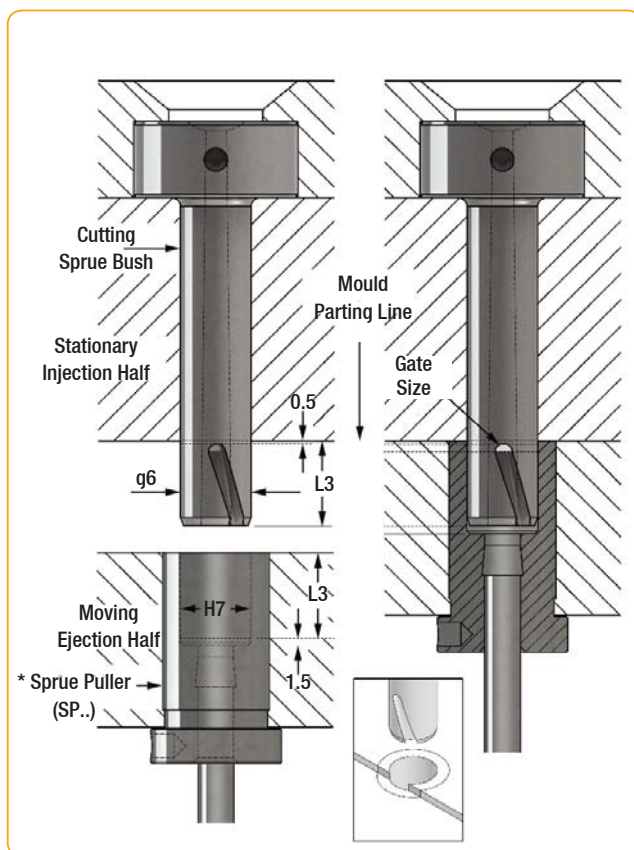
Cutting Sprue Bush / Installation Info - 1:



Cutting Sprue Bush / Installation Info - 2:



Cutting Sprue Bush / Installation Info - 3:



Cutting Sprue Bush / Installation Info - 4:

