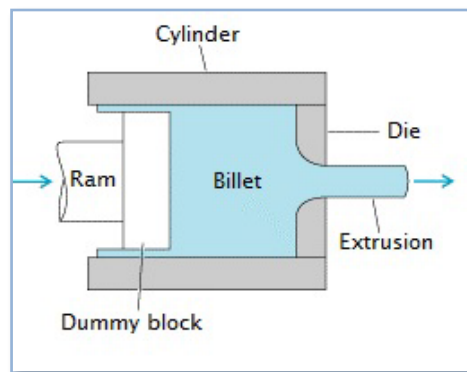


## DIRECT EXTRUSION

In **Gestión de Compras** we have the capability and production capacity to generate components by direct extrusion, utilizing common or special metal alloys efficiently and economically.

### PROCESS:

Direct extrusion, also called as forward extrusion, is a type of extrusion that occurs when the direction of flow of metal is the same that movement of ram. As can be seen in the following figure:



Many cross sections are manufactured by this method. The cross section produced will be uniform over the entire length of the metal extrusion.

This extrusion method could be performed either hot or cold. During direct extrusion, metal flow and forces required are affected by the friction between the work piece and the chamber walls. Particularly in hot working, oxide scale build up on the outer surfaces of the work piece can negatively influence the operation. To reduce the friction and improve the process efficiency is common use a dummy block.

Hollow parts can be produced by this operation with the use of a mandrel assembled to dummy block. The desired hole is created when extruded metal flows between the mandrel and the die surfaces, forming the part. The interior surface of the product is formed by the mandrel, while the exterior surface is formed by the extruding die.

## PRODUCTION:

We have the capability and production capacity to generate components by direct extrusion, utilizing common or special metal alloys efficiently and economically.

Below we can see some pictures of ours suppliers' production lines and machinery.



## MATERIALS AND PRODUCTS:

We works with a wide range of materials, such as:

- Aluminium
- Brass
- Copper
- Lead and tin
- Magnesium
- Zinc
- Steel
- Titanium

By direct extrusion more common products are:

- Pipes
- Framework Profiles.
- Rods, rails, seals and sheets.
- Seat tracks or engine rings.



## TOLERANCES:

Mechanical tolerances and manufacturing capabilities vary with cross-sectional size, and with the location or distance of each dimension of complex geometric shape. Also depends on the product material.

## STANDARD AND CERTIFICATES:

Gestión de Compras only works with companies that can provide us warranties, which are holders of all necessary quality certificates and work according to specific industry standards such as:

- ISO9001, TS16949 and ISO 14001.
- ISO 6362
- ISO 8062, ISO 286-2, DIN 2768, etc.



## CONTACT:

In Purchasing Management work with a wide range of customers from different sectors but have in common the search for products that suit your needs at the best Price and the guaranteed maximum quality. Check with us about any product. We have a qualified staff who will advise you.

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