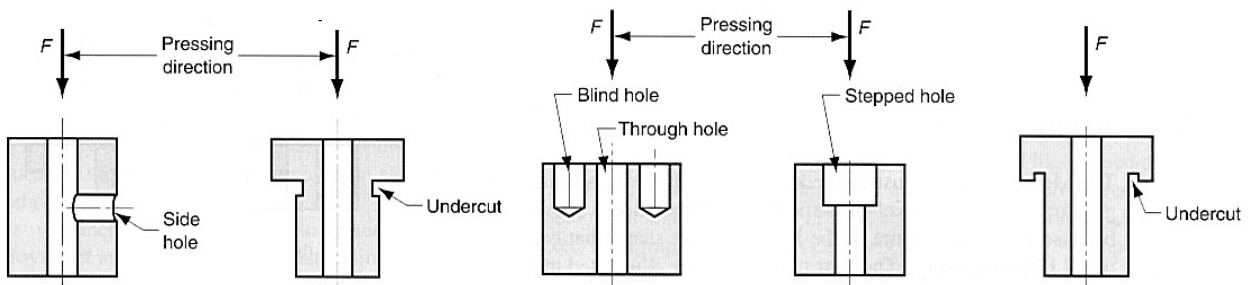


3.4 DESIGN CONSIDERATIONS IN POWDER METALLURGY

The next design requirements are essential for P/M parts:

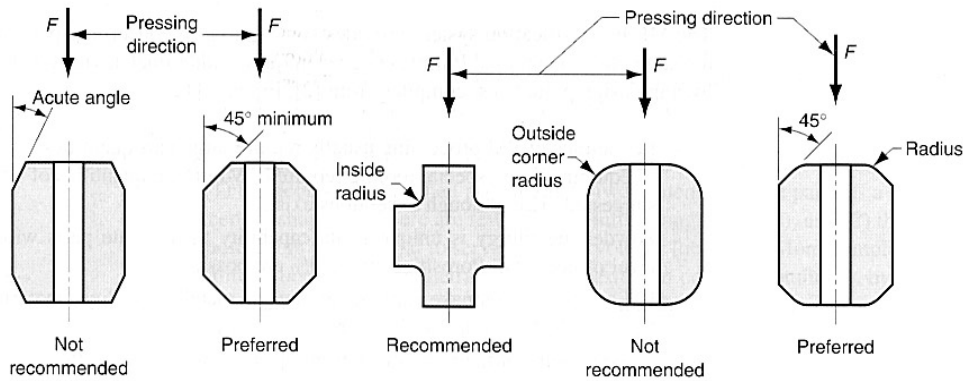
- ❖ The shape of the parts must be as simple as possible.
- ❖ PM parts should be made with the widest tolerances. The PM process is capable of achieving tolerances of bigger than 0.1 mm.
- ❖ Hole and grooves must be parallel to the direction of ejection:



Not recommended
Part injection is impossible

Permissible part features in P/M parts

- ❖ Sharp corners, radii, thin section must be avoided. Minimum wall thickness is 1.5 mm. Corners radii and chamfers are still possible, but certain rules should be observed:



Rules for chamfers and corner radii in P/M parts