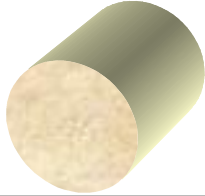
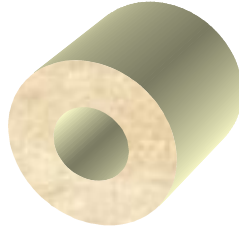


# PROPELLANT GRAIN SHAPES

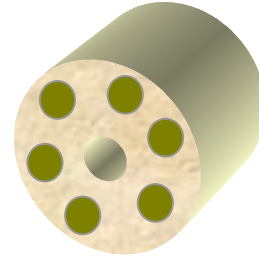
If the explosives engineers wanted to they could produce propellant grains in any shape but in most cases the effort would be totally wasted as the shape plays a great part in determining how the propellant burns in the weapon. Odd and exotic shapes would behave erratically. The engineers have settled on some standard shapes whose characteristics are well known and controllable. Some examples are shown below.



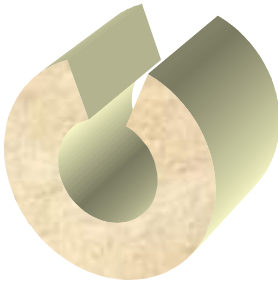
Cord or stick



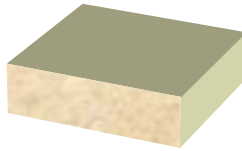
Tubular



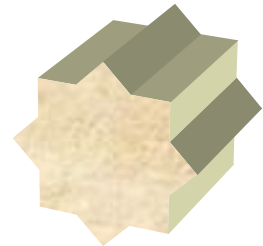
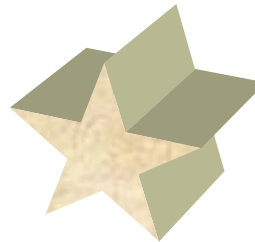
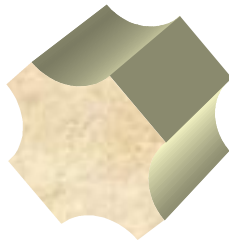
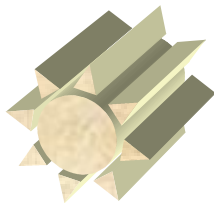
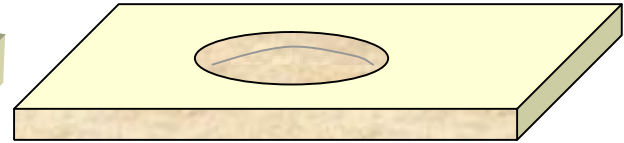
Multi-Tubular



Slotted



Flake



Examples of cogged  
for Rocket motors



Ball (actually a  
flattened sphere)