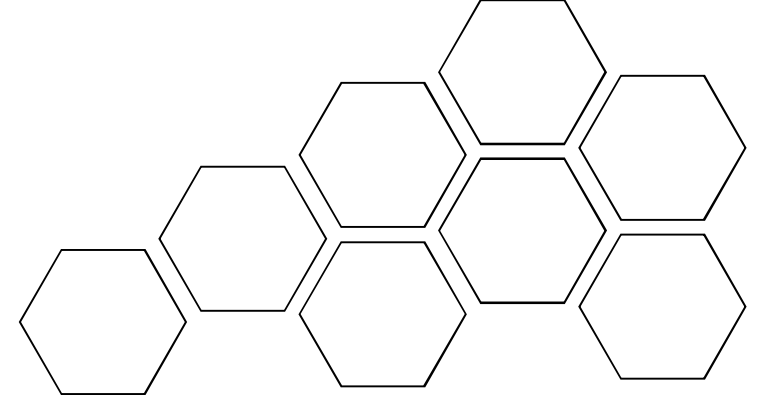
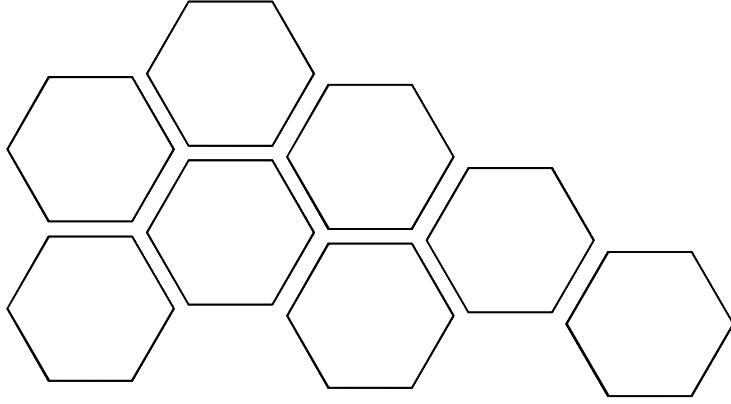
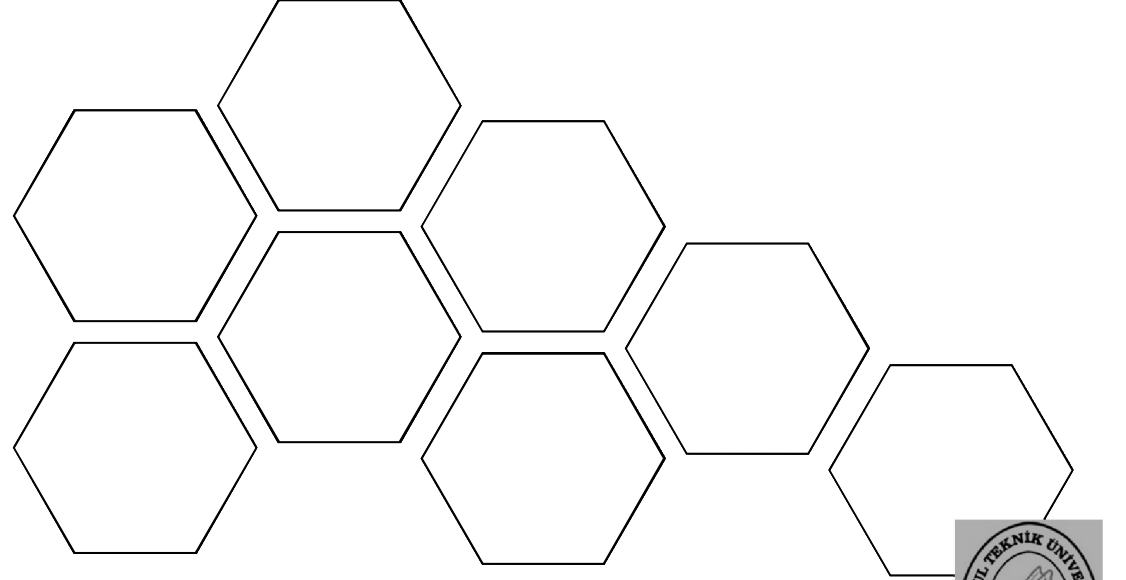
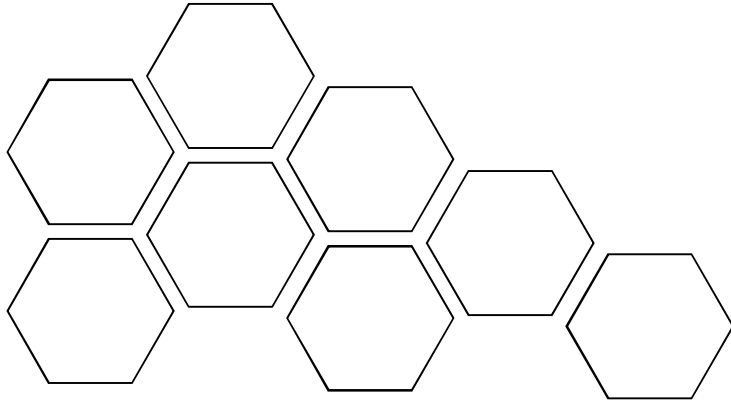
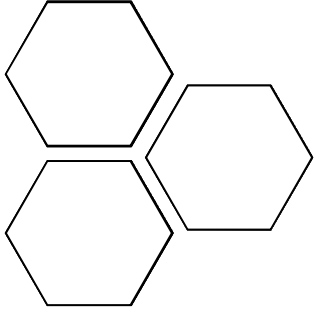




Dişli İmal Yöntemleri

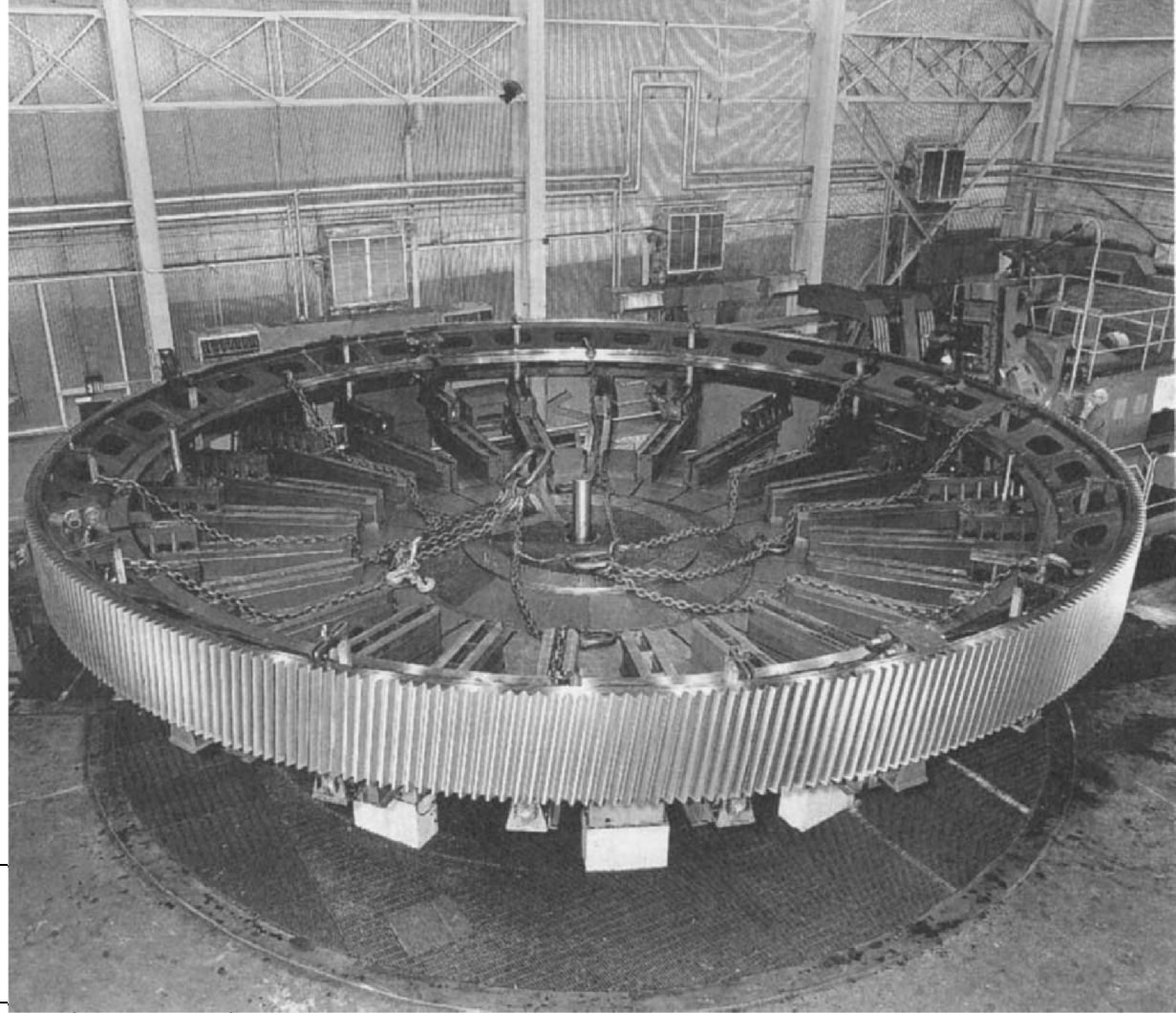
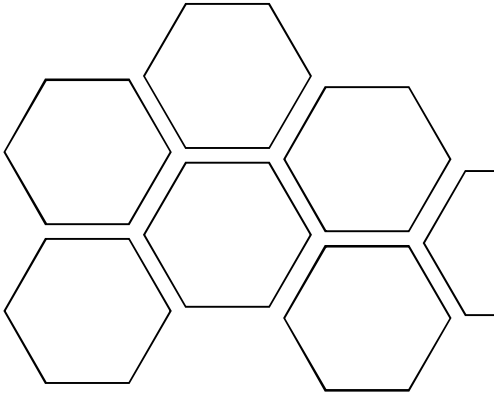
Vedat Temiz

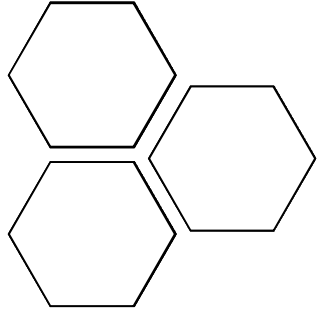




Döküm dişli

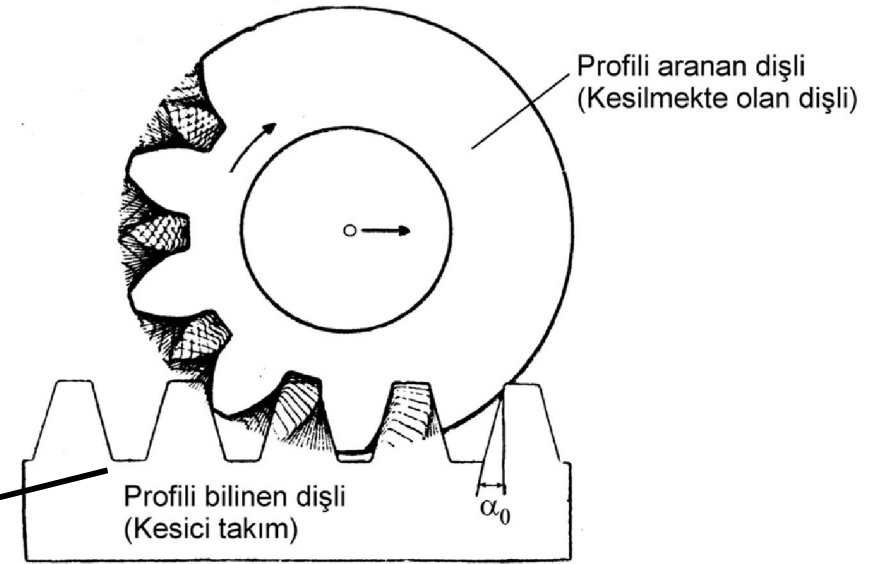
Büyük boyutlu ve
yavaş dönen
dişlilerde sınırlı
olarak uygulanır





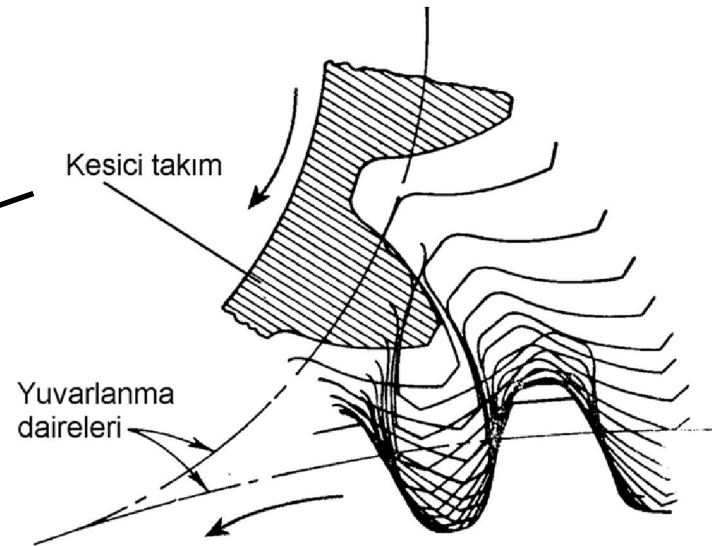
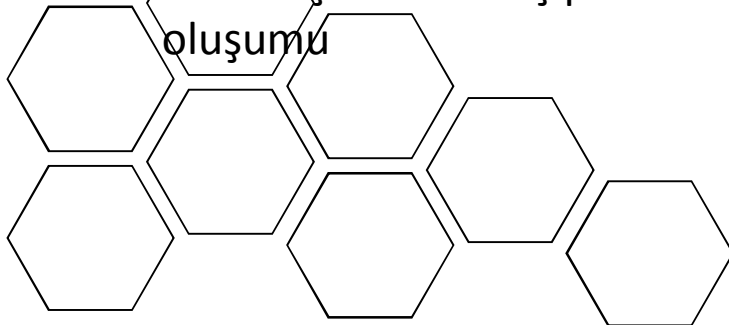
Dişli profillerinin elde edilmesi

- **Profili ve diş geometrisi belli olan dişlinin yuvarlanma dairesini diğer dişlinin yuvarlanma dairesi üzerinde yuvarlamak. (Yuvarlanma metodu)**

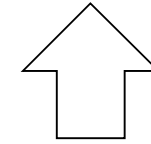
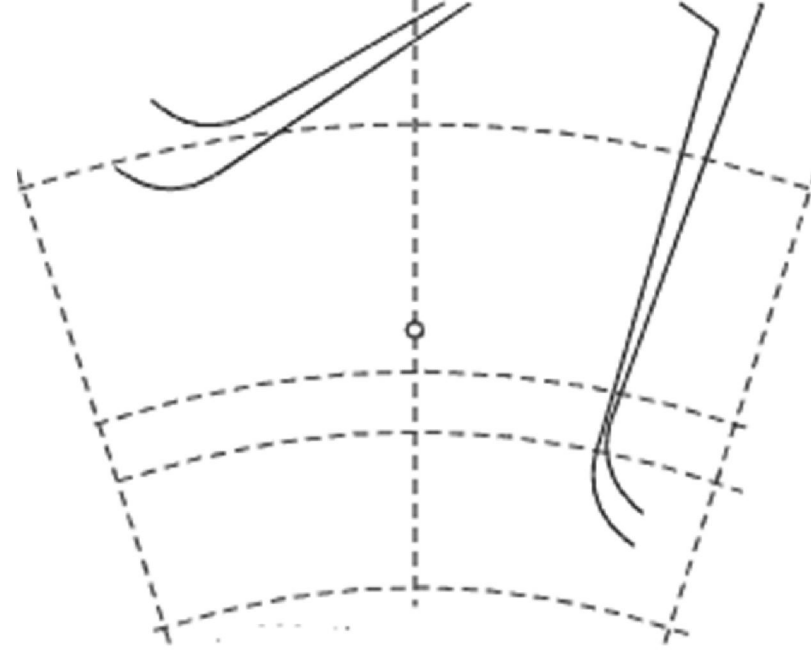
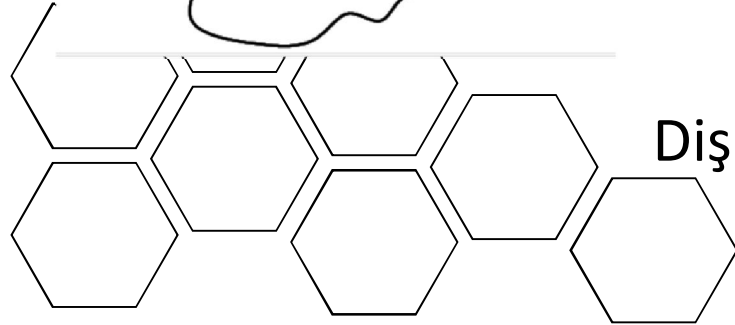
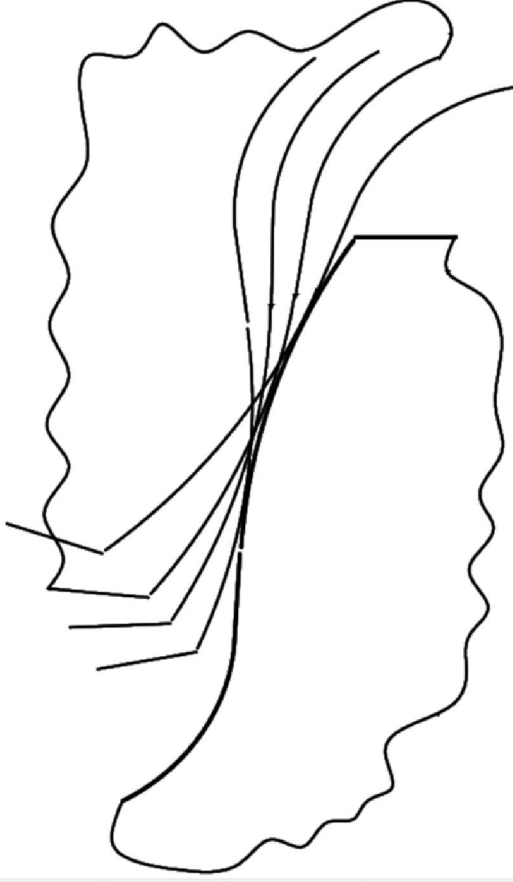
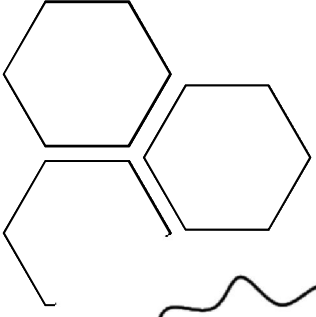


Yuvarlanma metodu ile dişli çark profilinin elde edilmesi

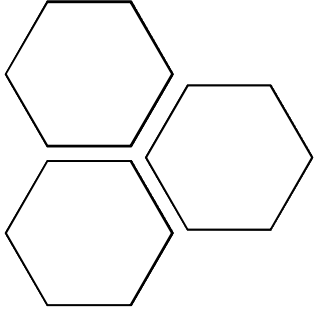
Diş sayısı sonlu olan bir takımla kesme işleminde diş profilinin oluşumu



Yuvarlanma metodu

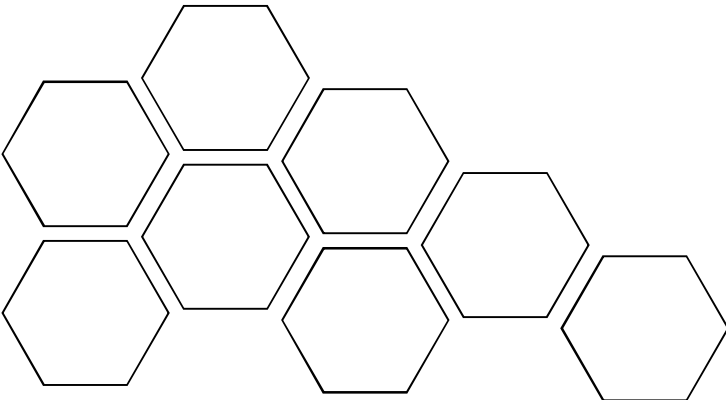
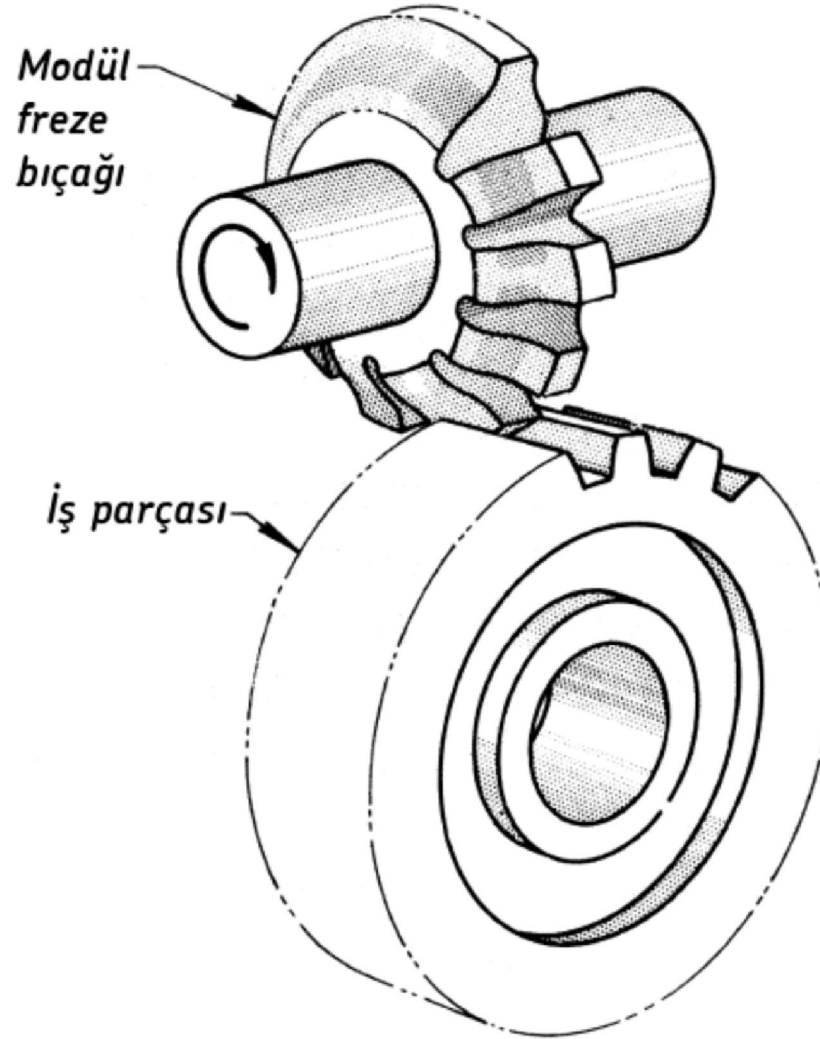


Diş profilinin yuvarlanma ile elde edilmesi



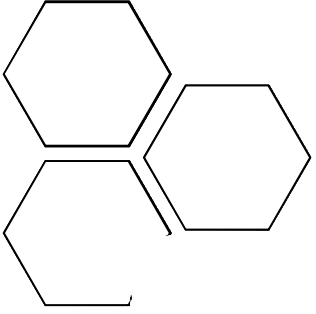
Modül Freze İle Dişli İmali

Helisel frezeleme ile diş boşlukları birer birer oluşturulur.

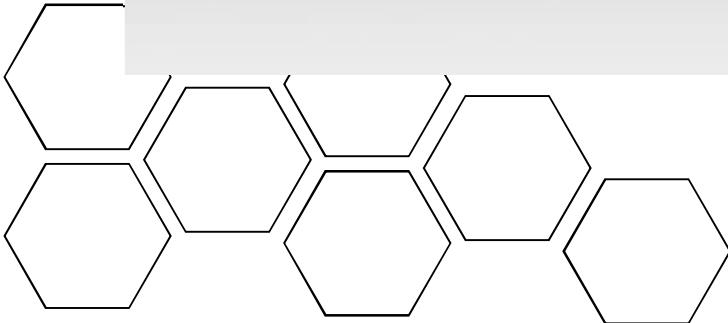


Modül Freze İle Dişli İmali

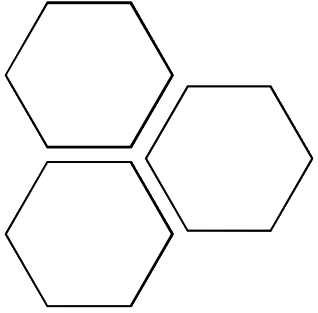




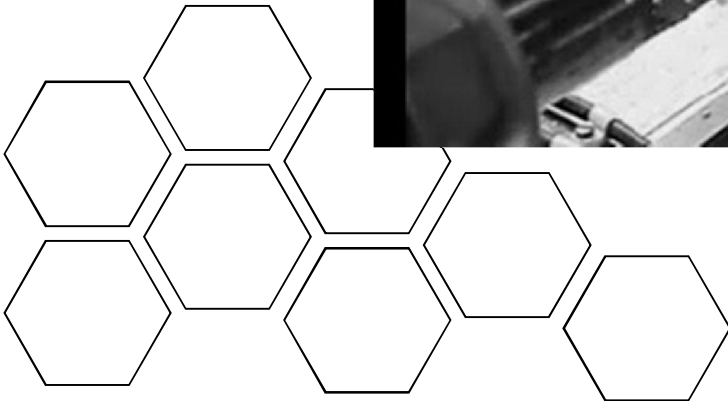
Modül freze ile imalat

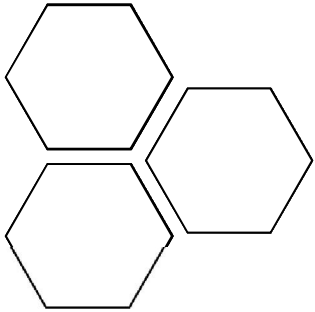


SANDVIK
Coromant

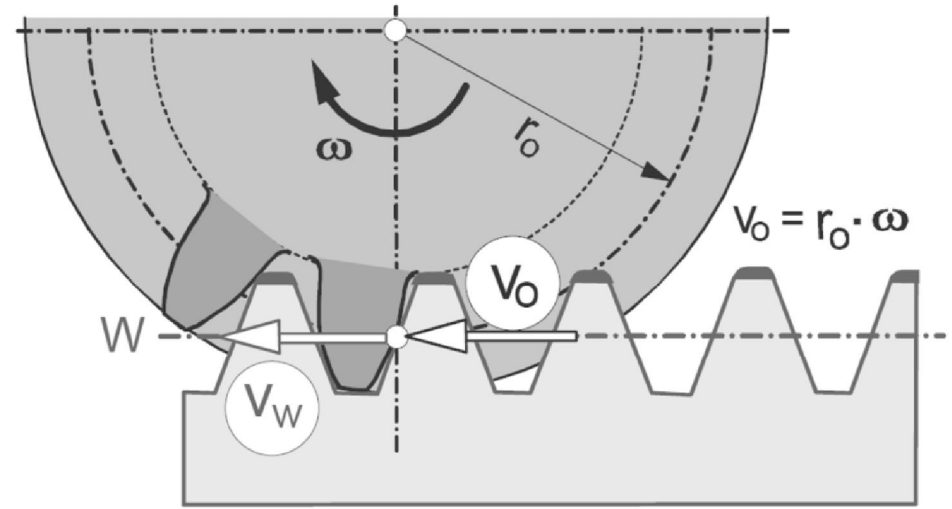
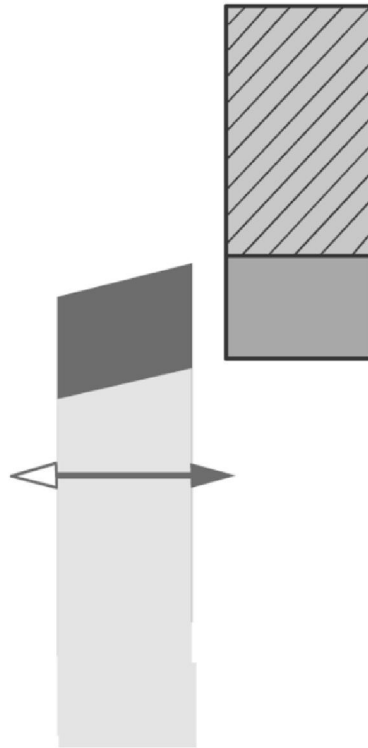


Helisel diřli – Frezeleme



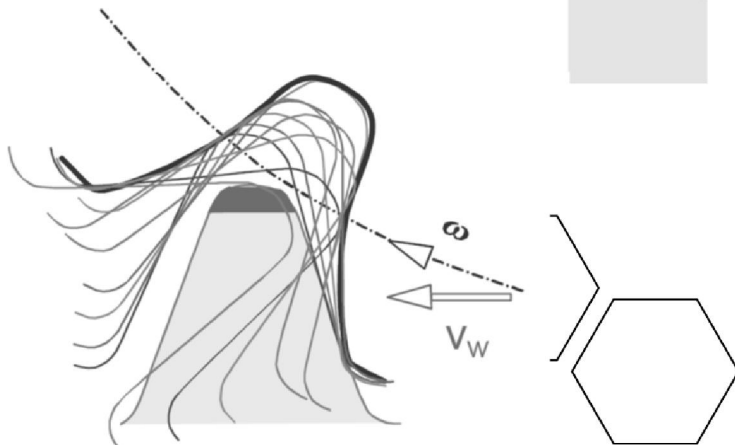


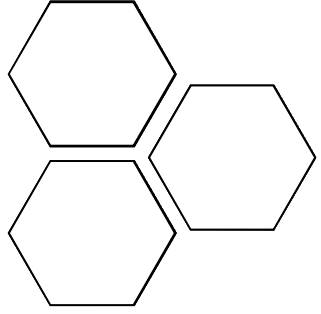
MAAG Yöntemi



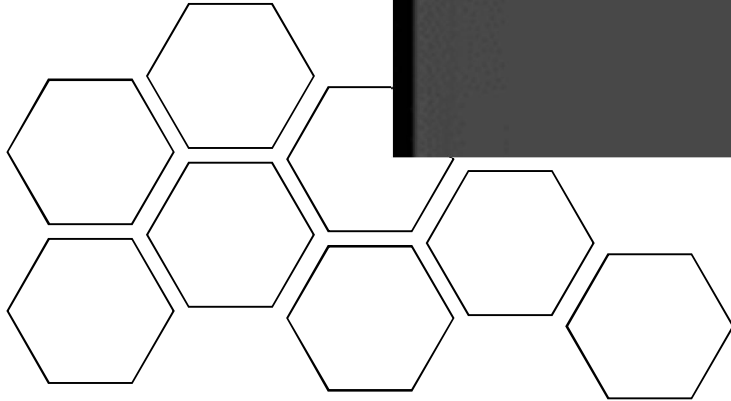
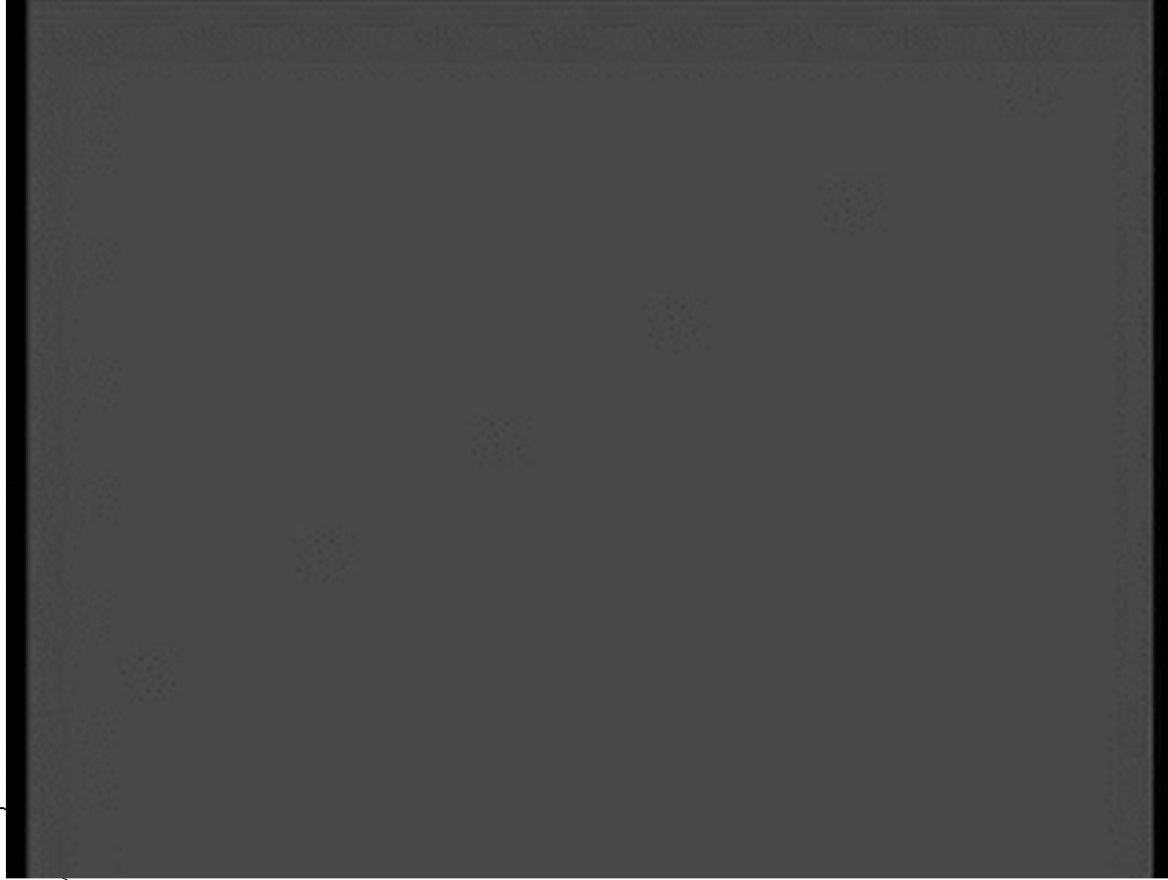
Takım

$$V_O = V_W$$

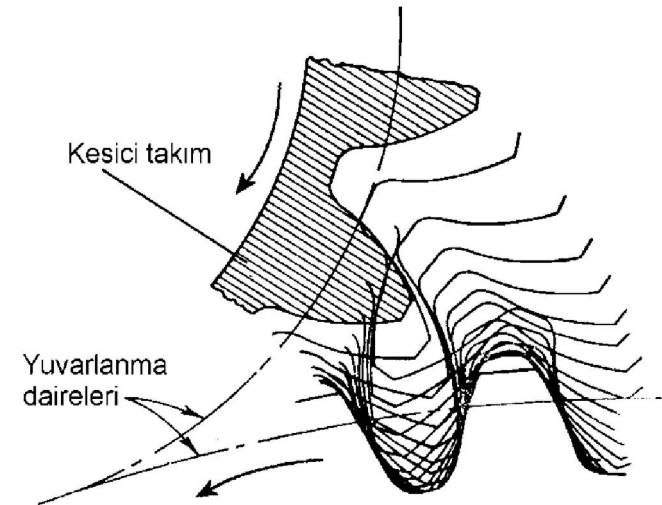
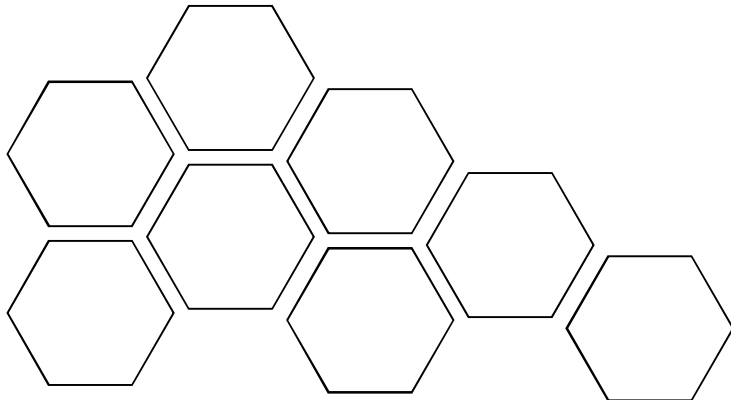
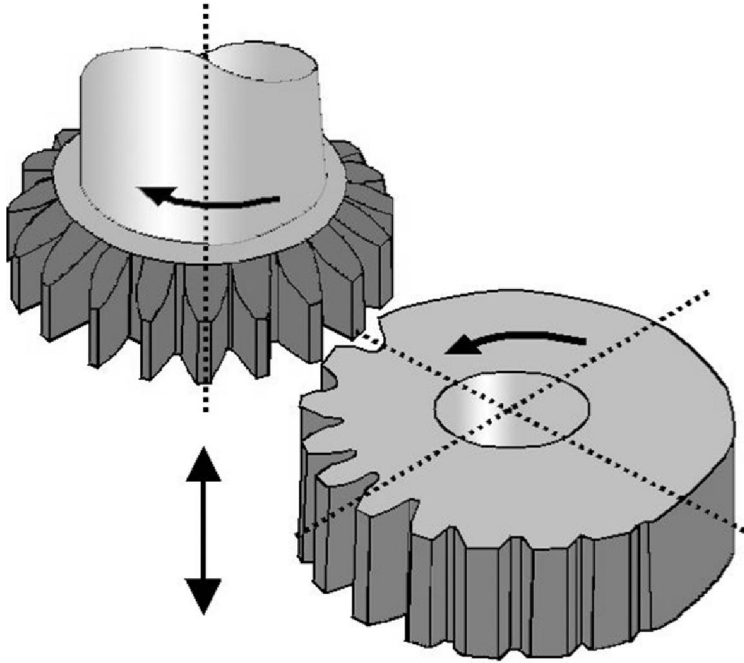
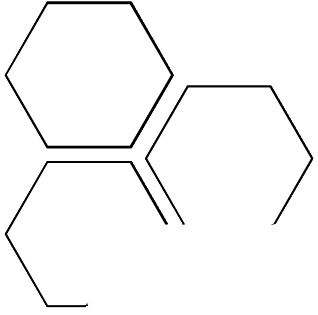


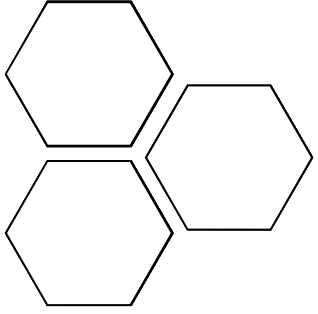


MAAG Yöntemi

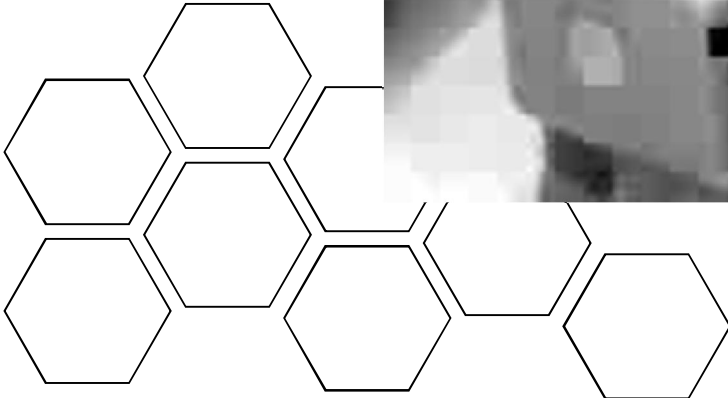
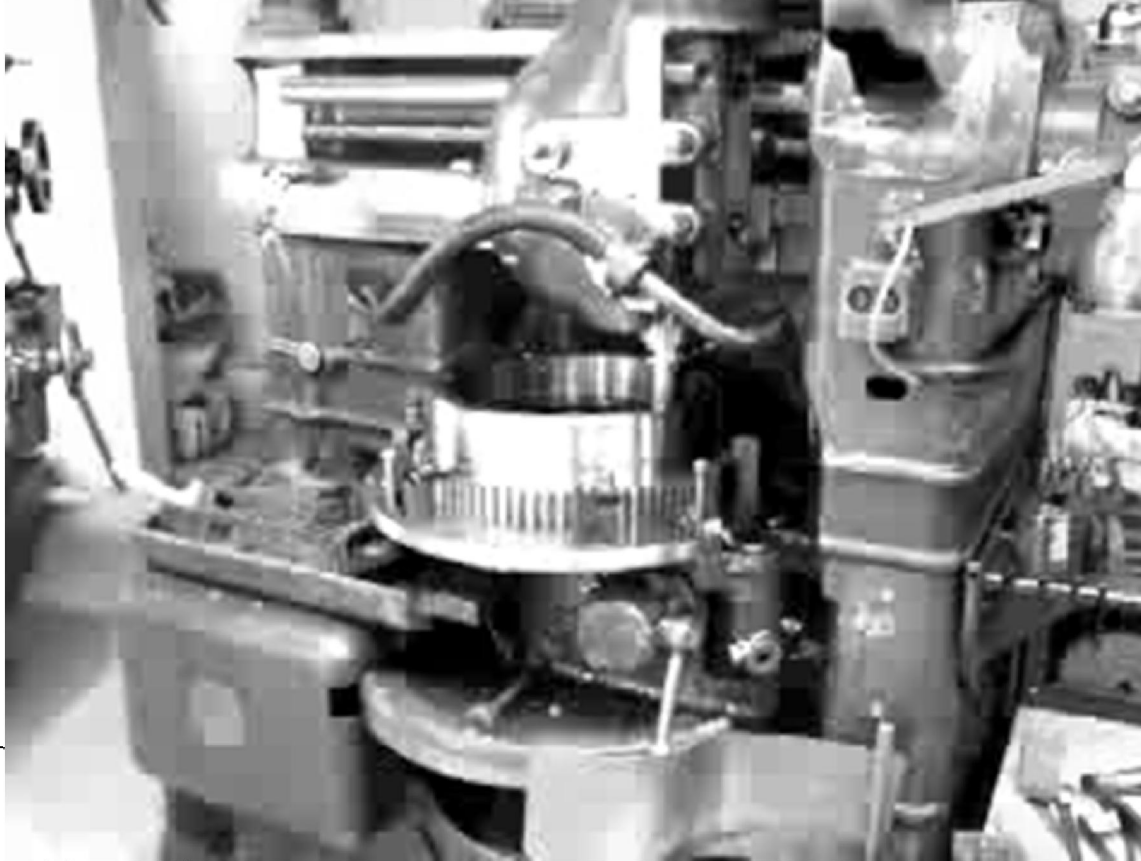


Fellows Yöntemi

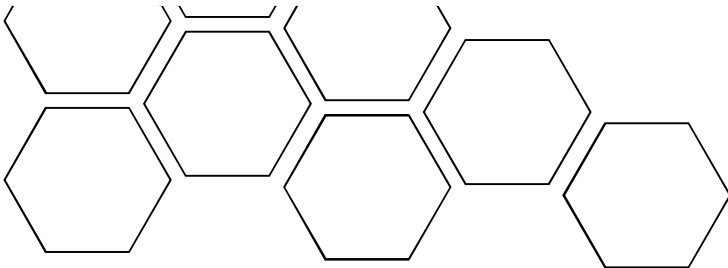
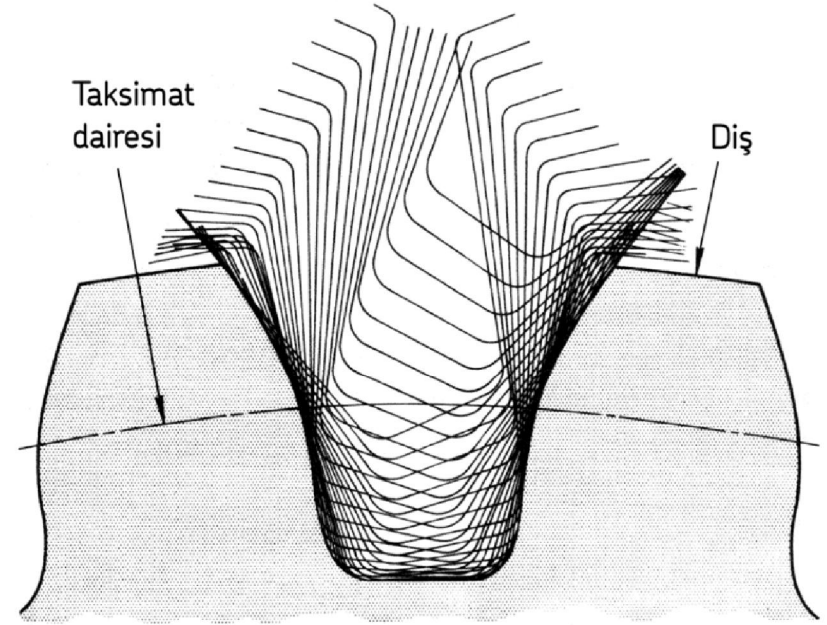
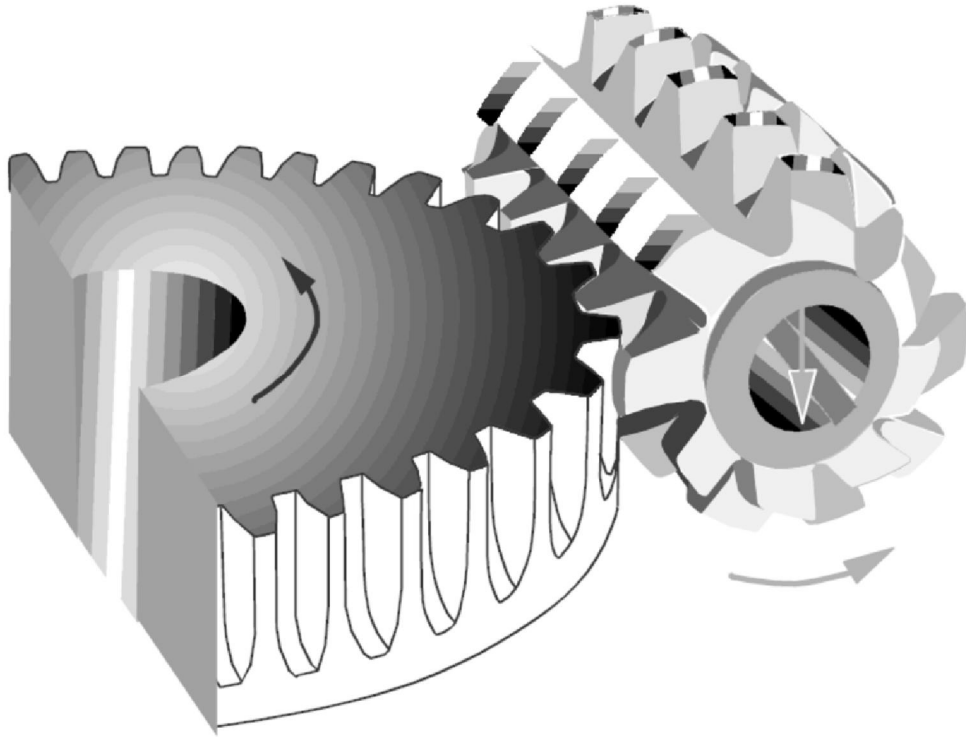
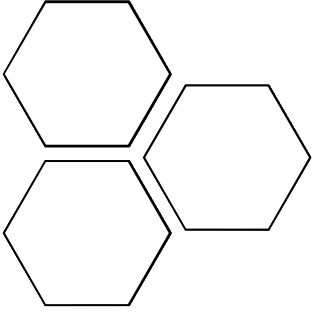


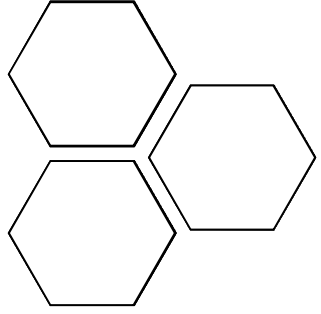


Fellows Yöntemi

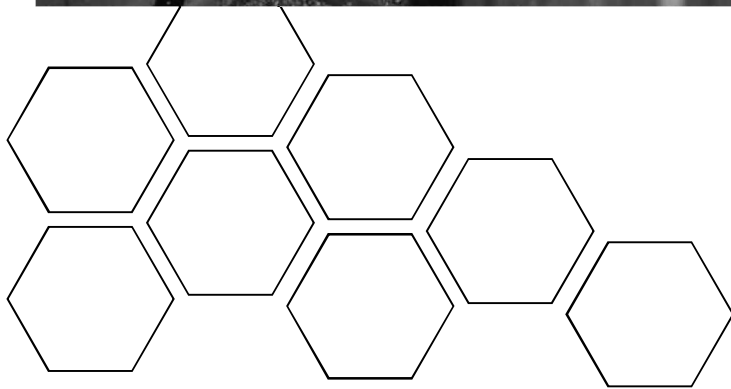
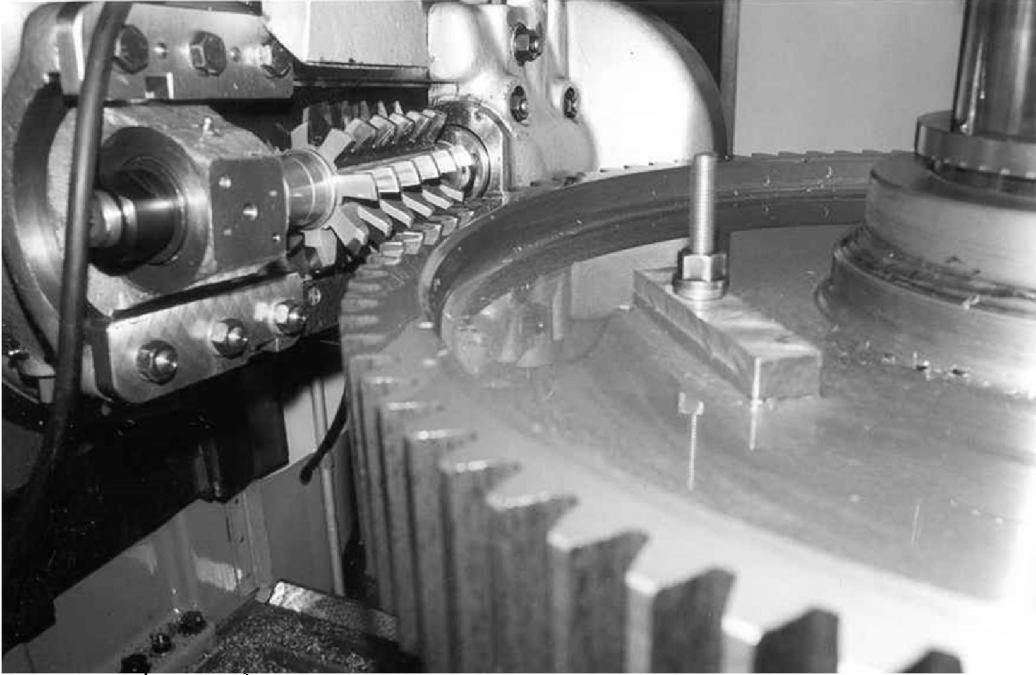


Azdırma

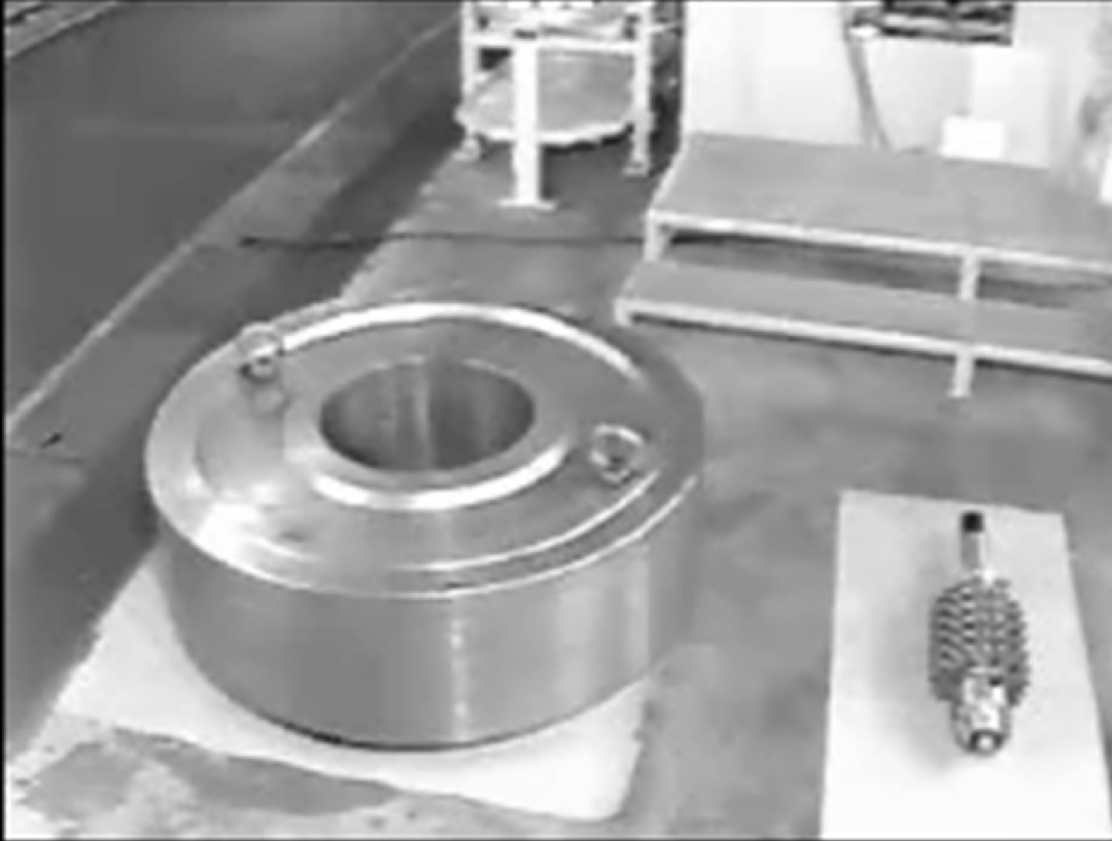




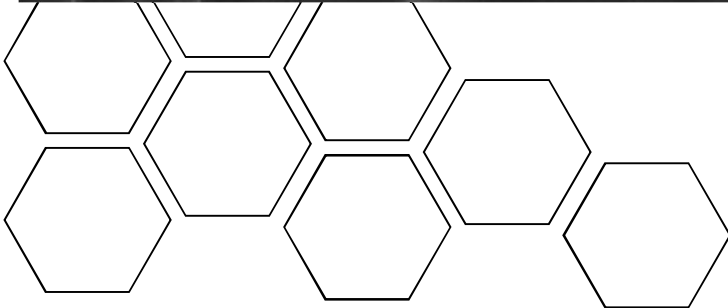
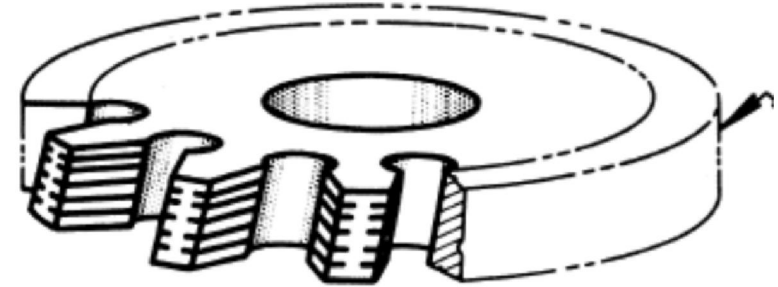
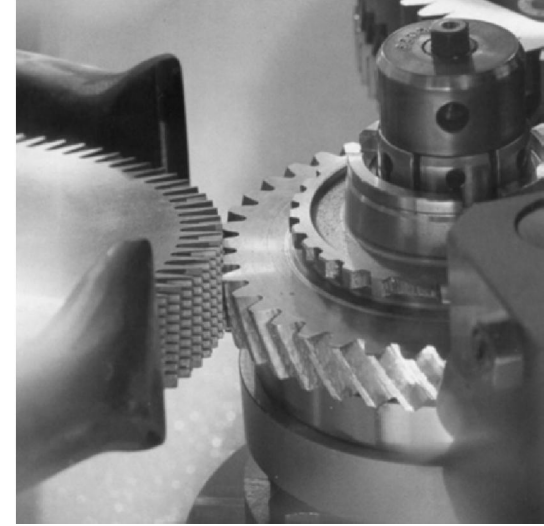
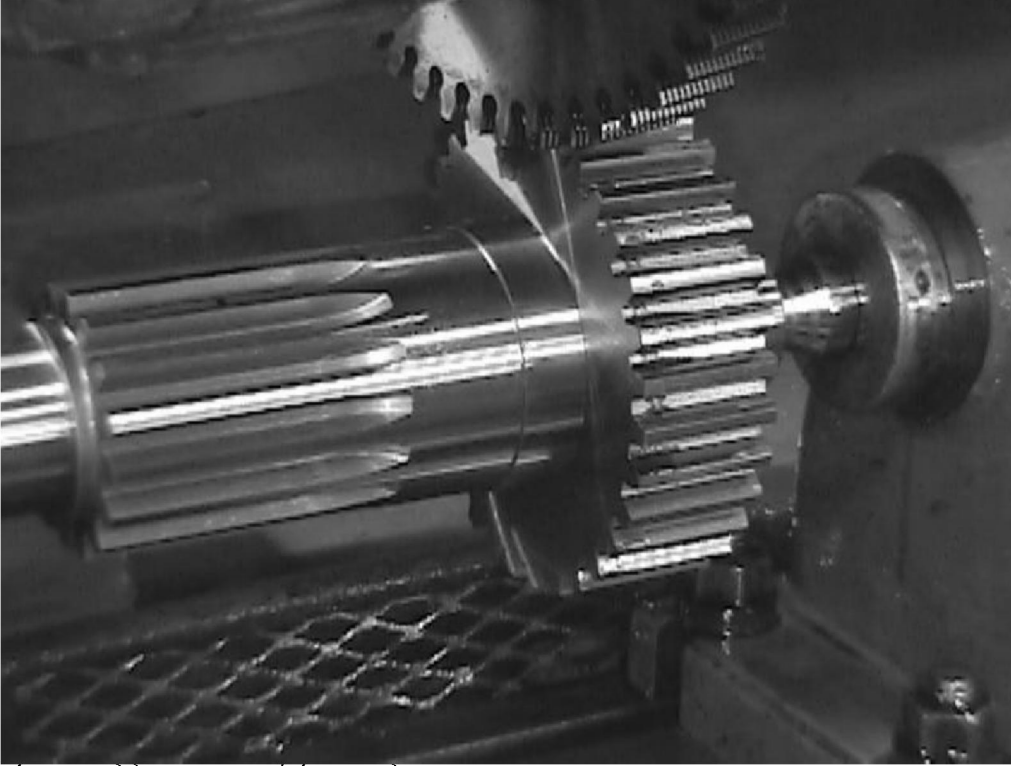
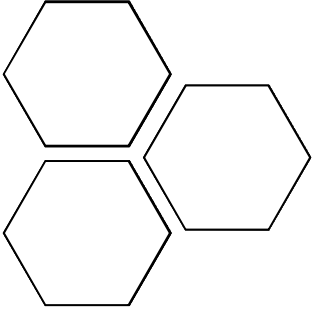
Azdırma



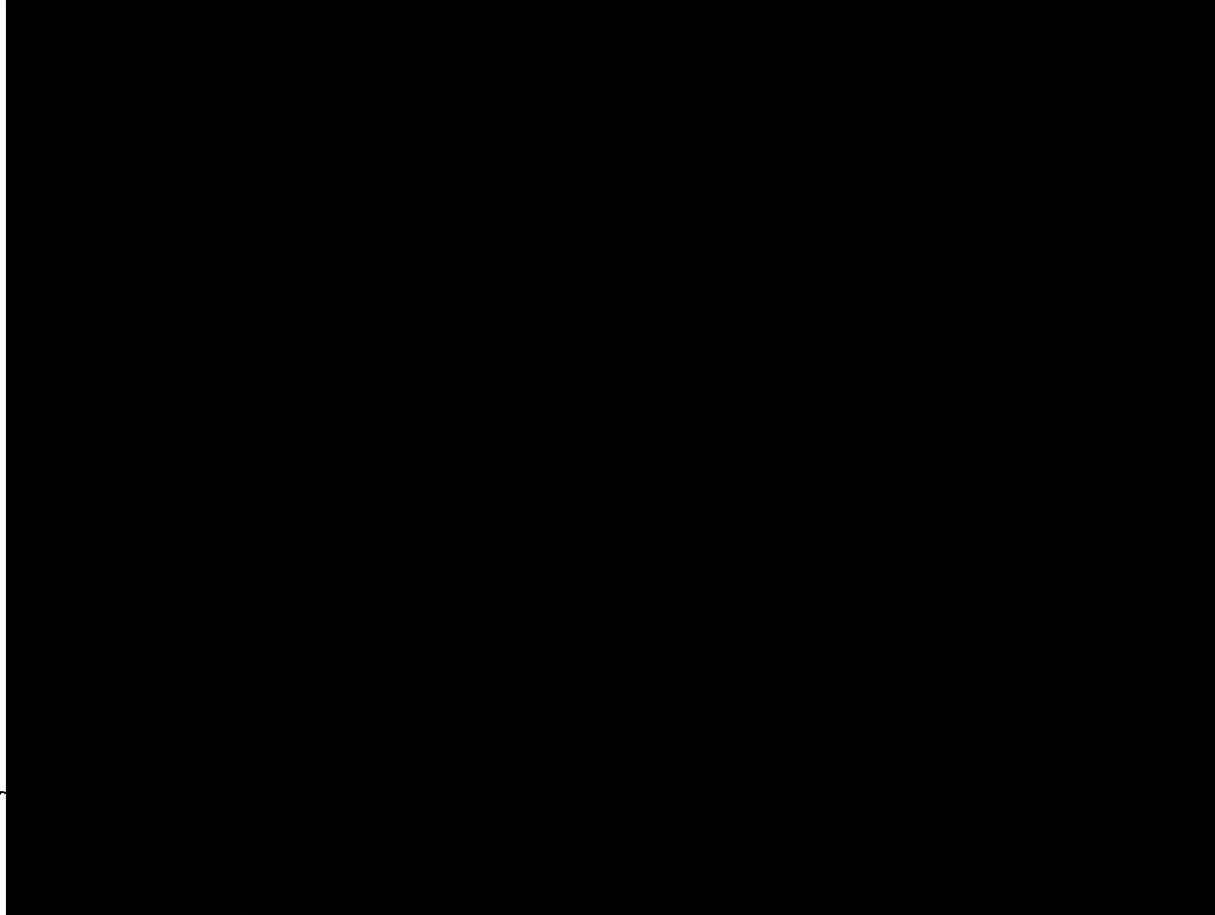
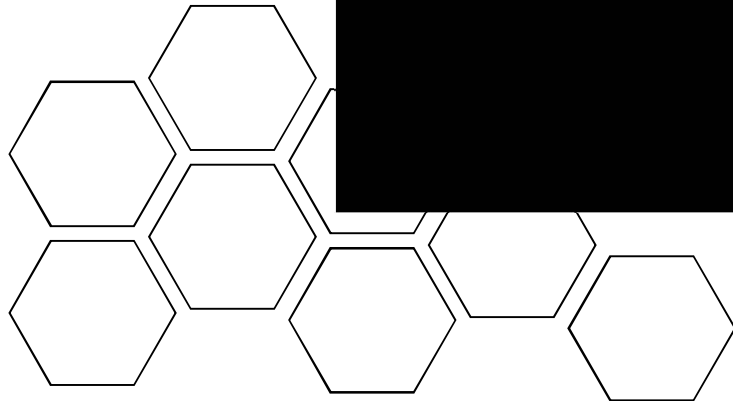
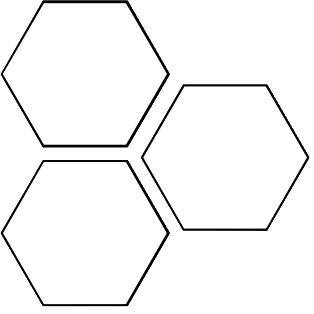
Azdırma – Video 1



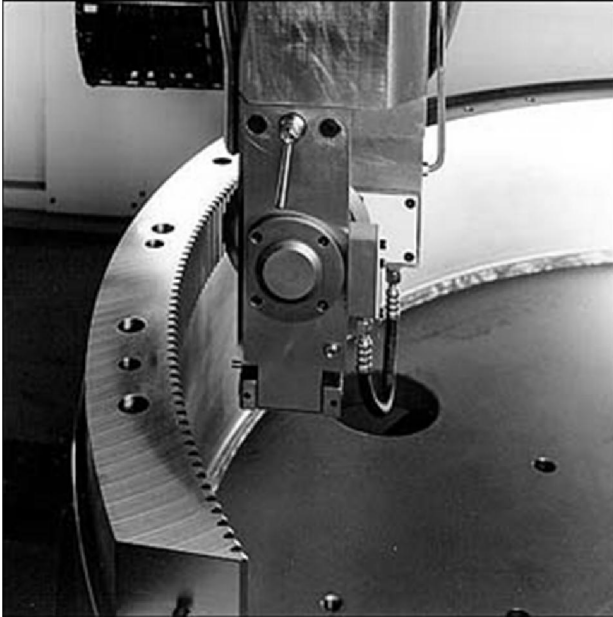
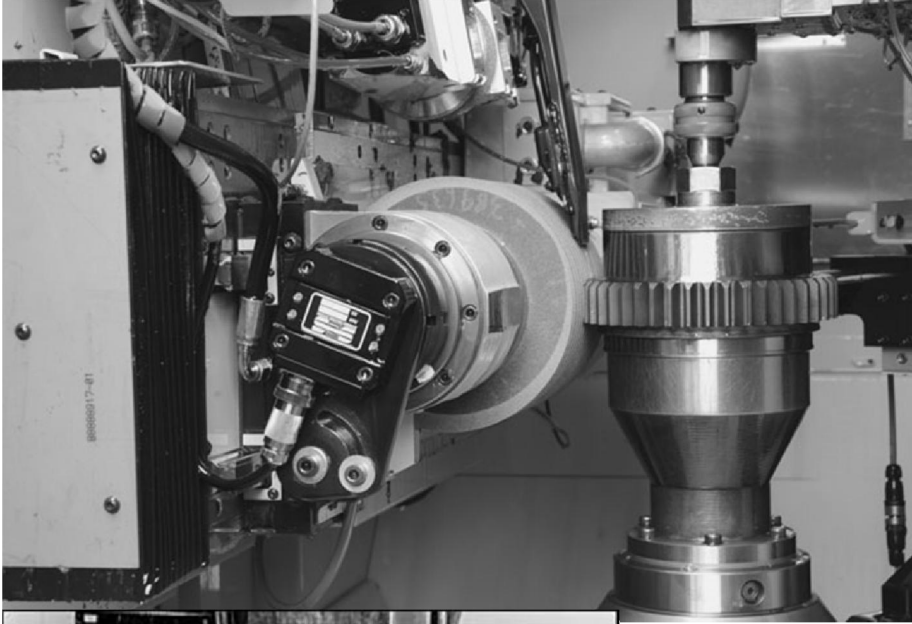
Dişlilerin Traşlanması (Shaving)

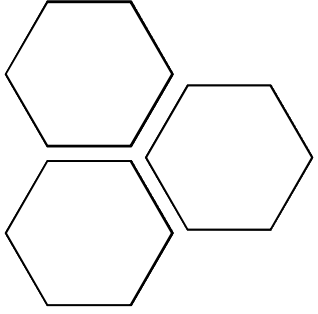


Diřlilerin Trařlanması

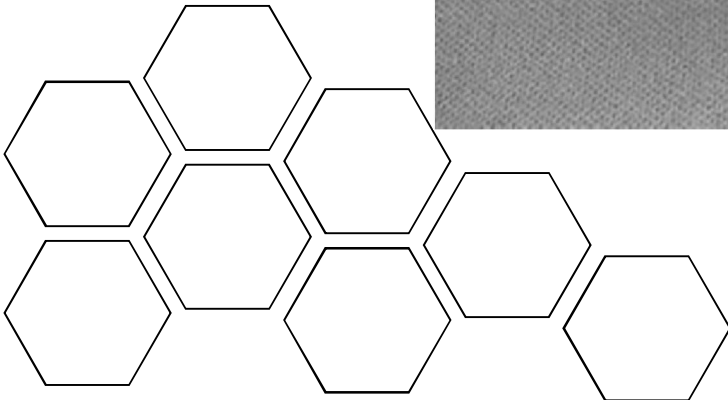
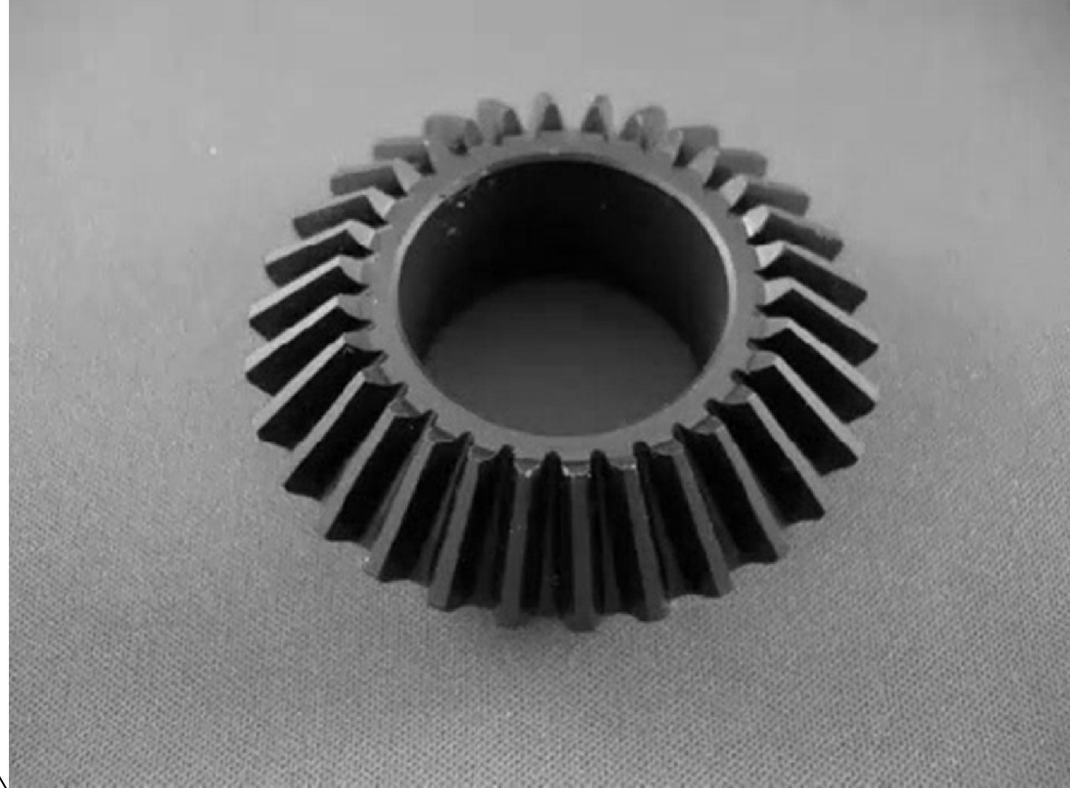


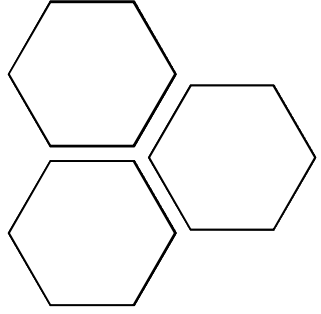
Dişlilerin Taşlanması





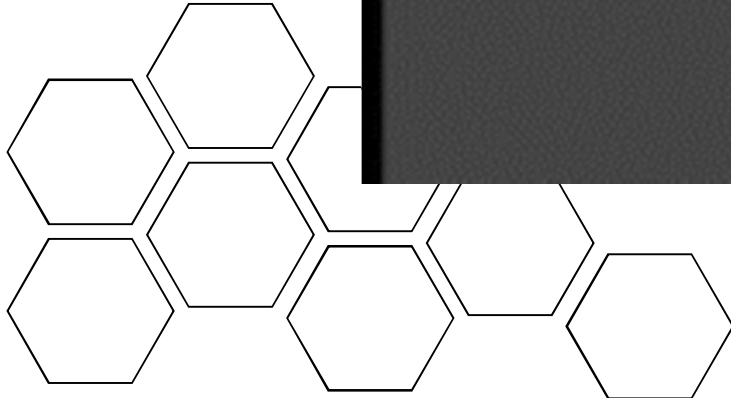
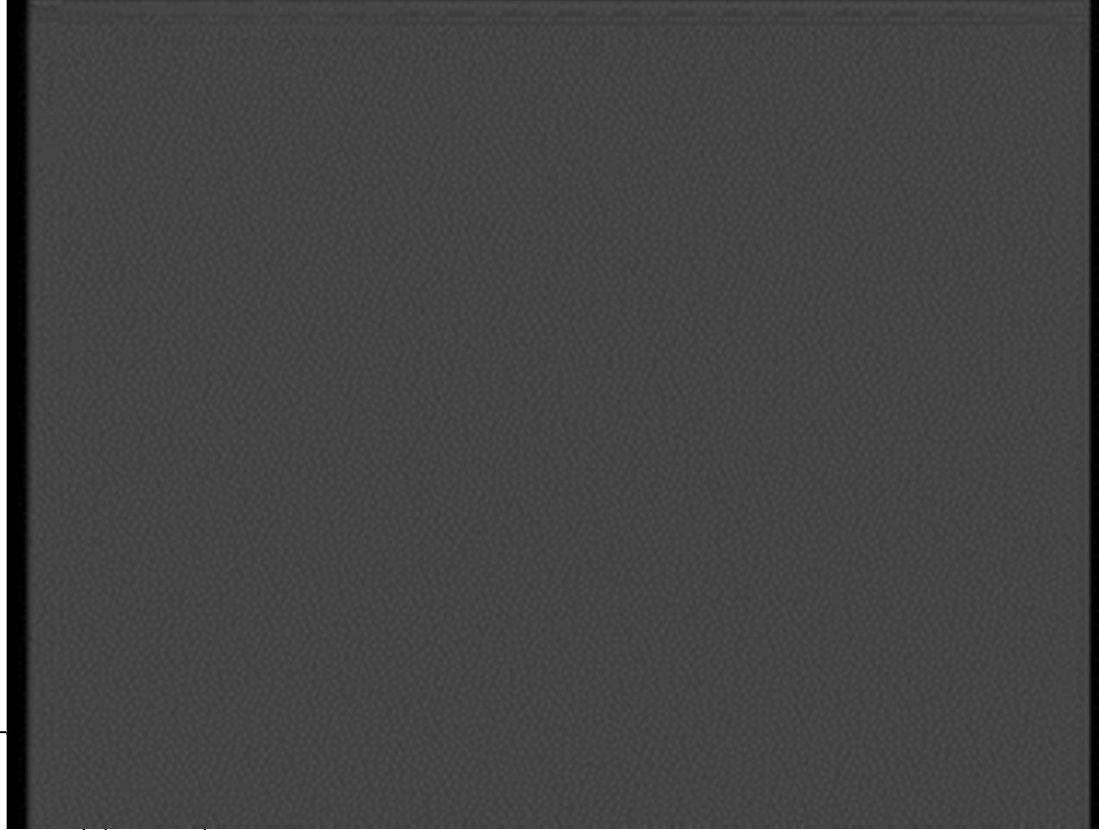
Düz Konik dişli imalatı - Torna

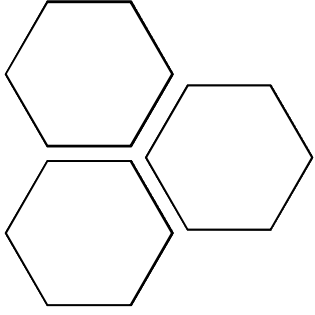




Konik dişli imalatı

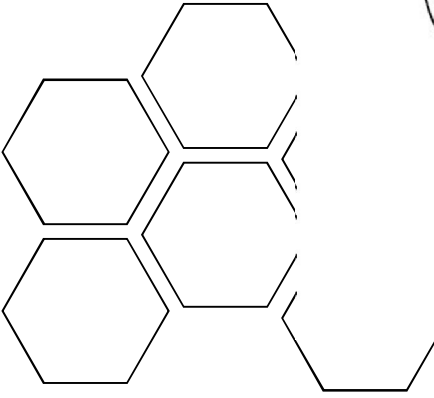
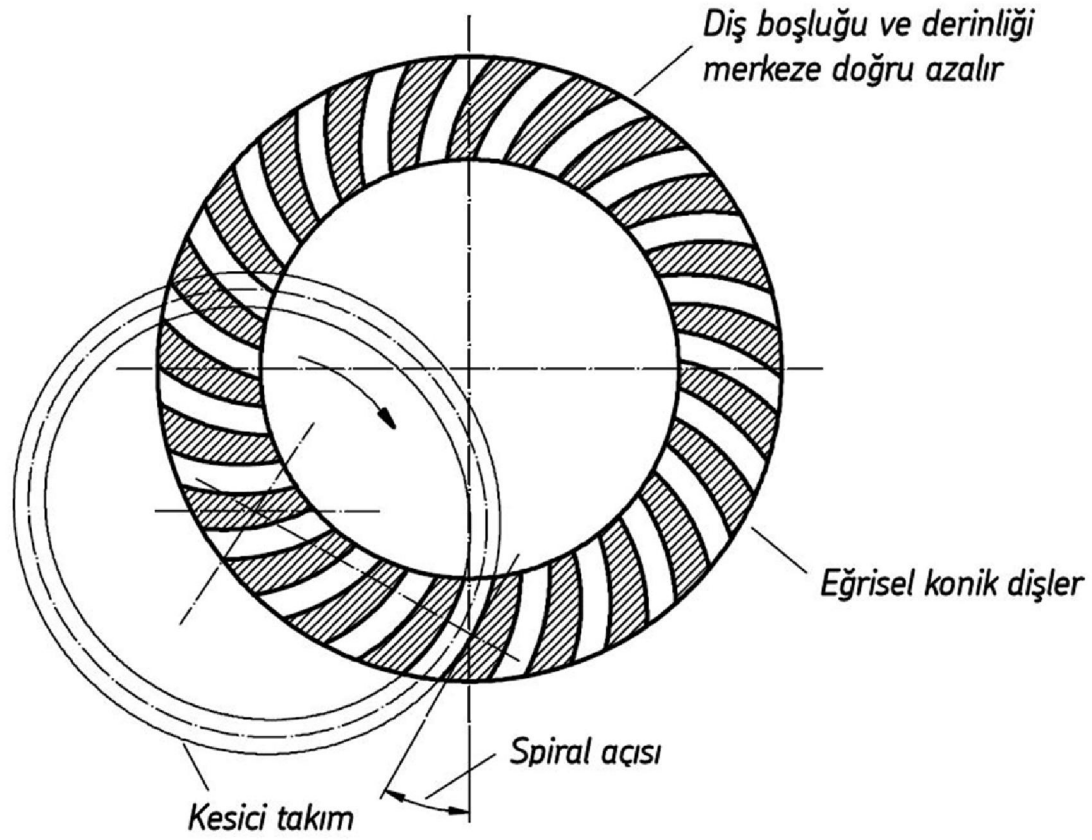
Oerlikon düz konik dişli





Konik dişli imalatı

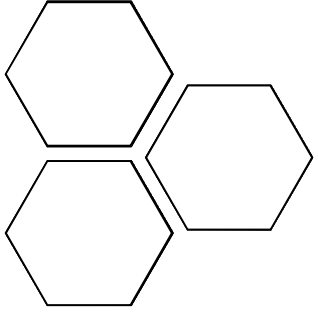
Gleason spiral konik dişlide takımın hareketi



Konik dişli imalatı

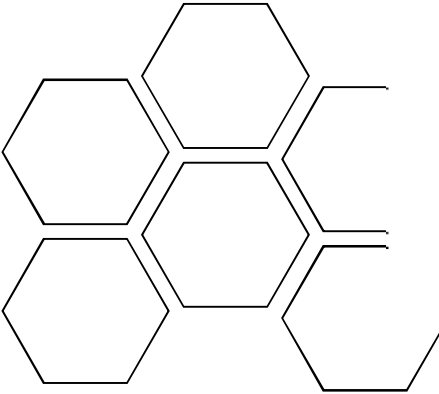
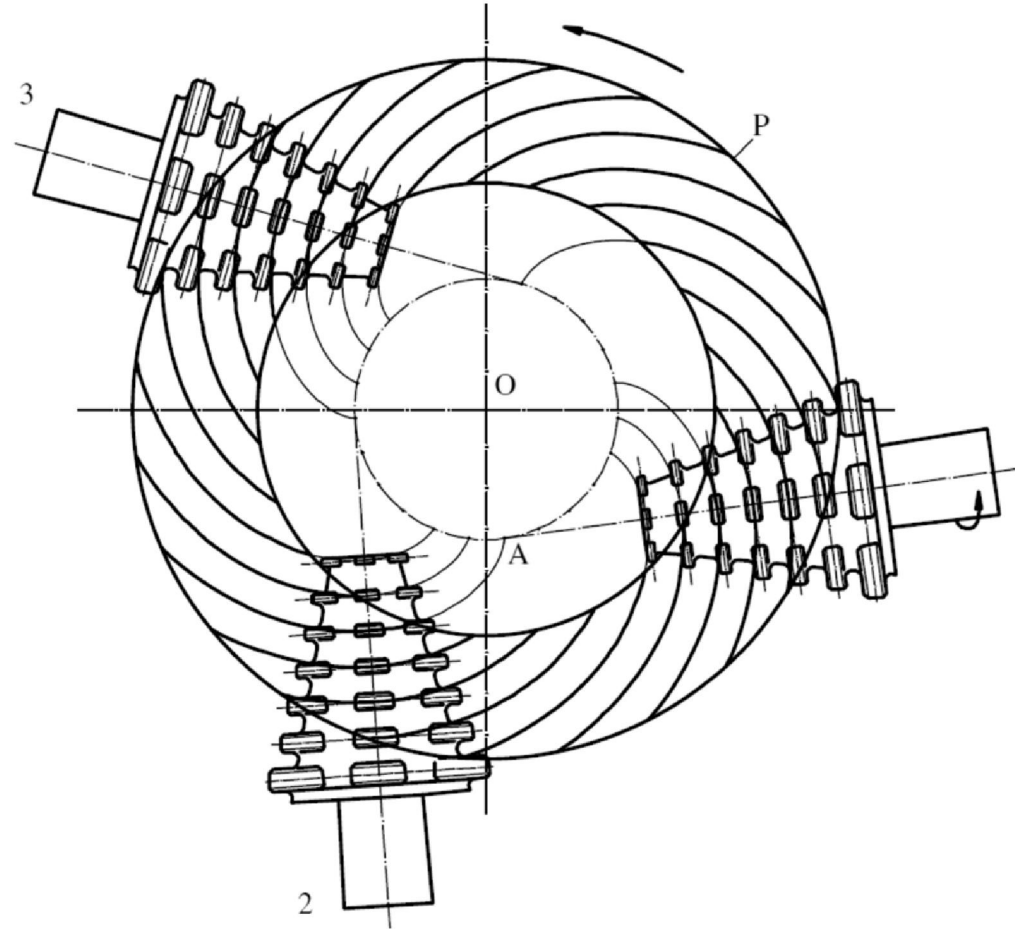
Gleason spiral konik dişli

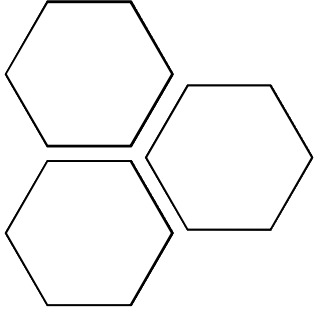




Konik dişli imalatı

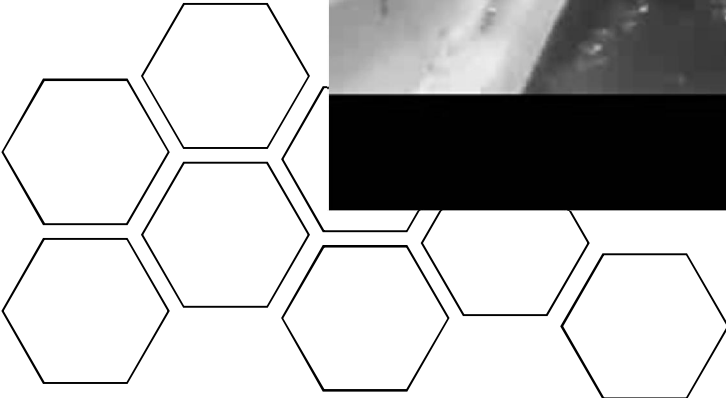
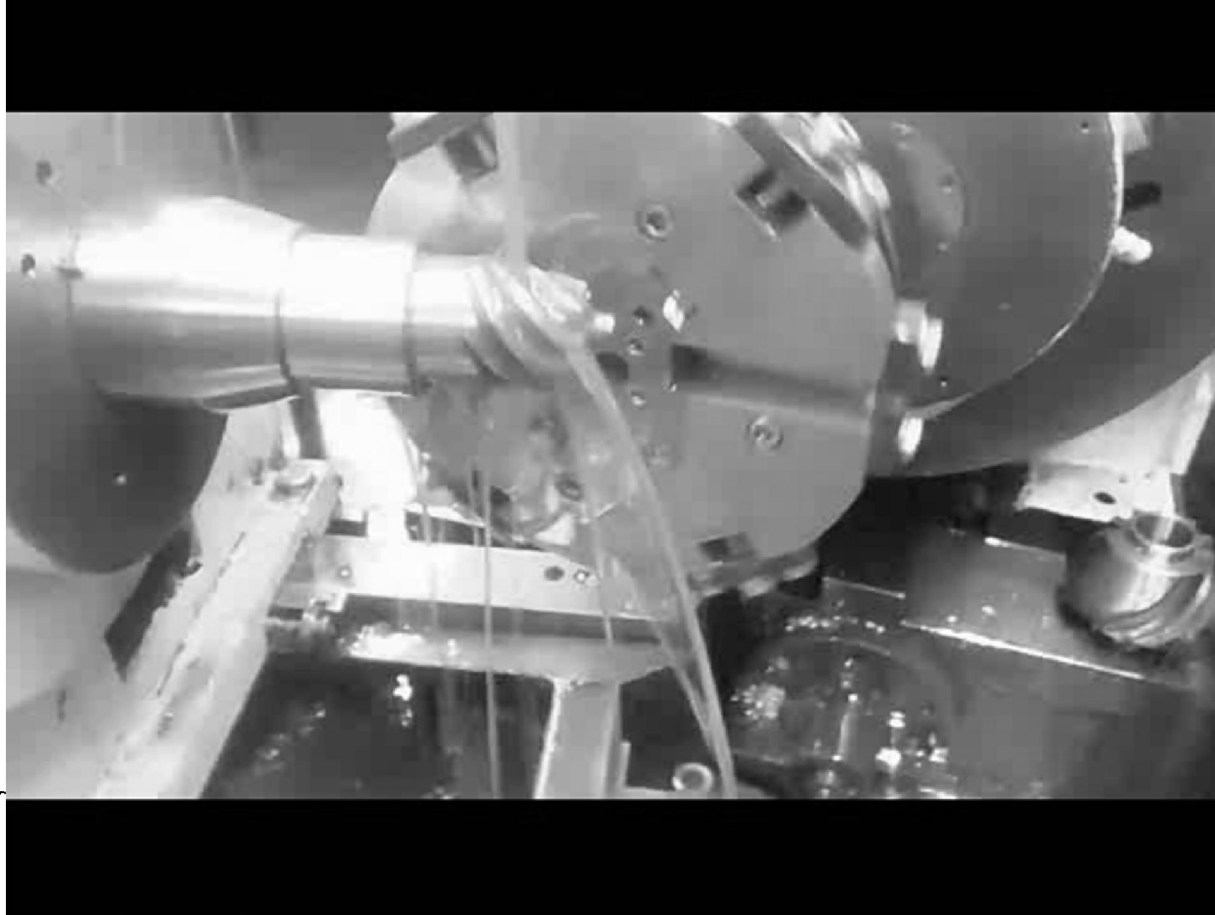
Klingelnberg spiral konik dişlide takımın hareketi

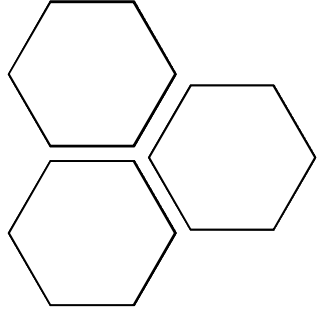




Konik dişli imalatı

Klingelnberg spiral konik dişli





Konik dişli imalatı

Spiral konik dişli

