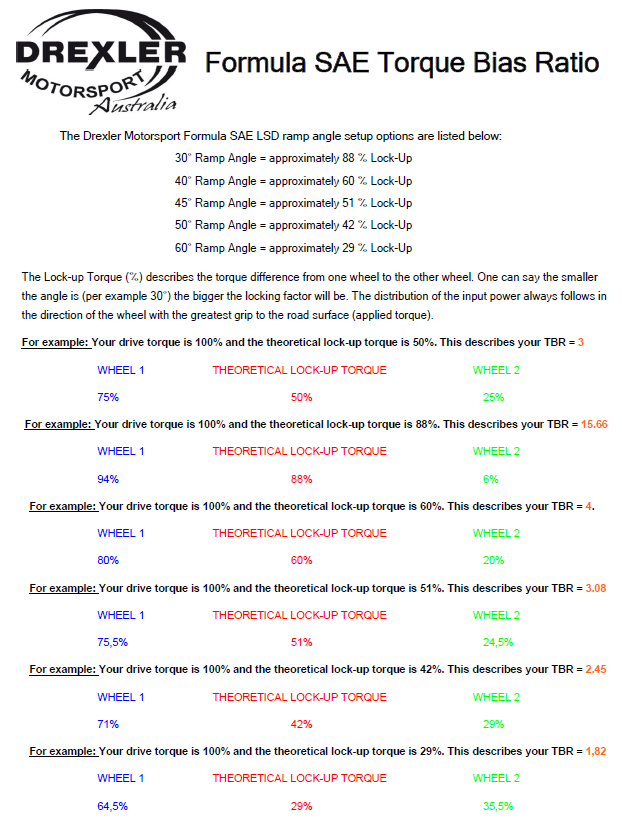
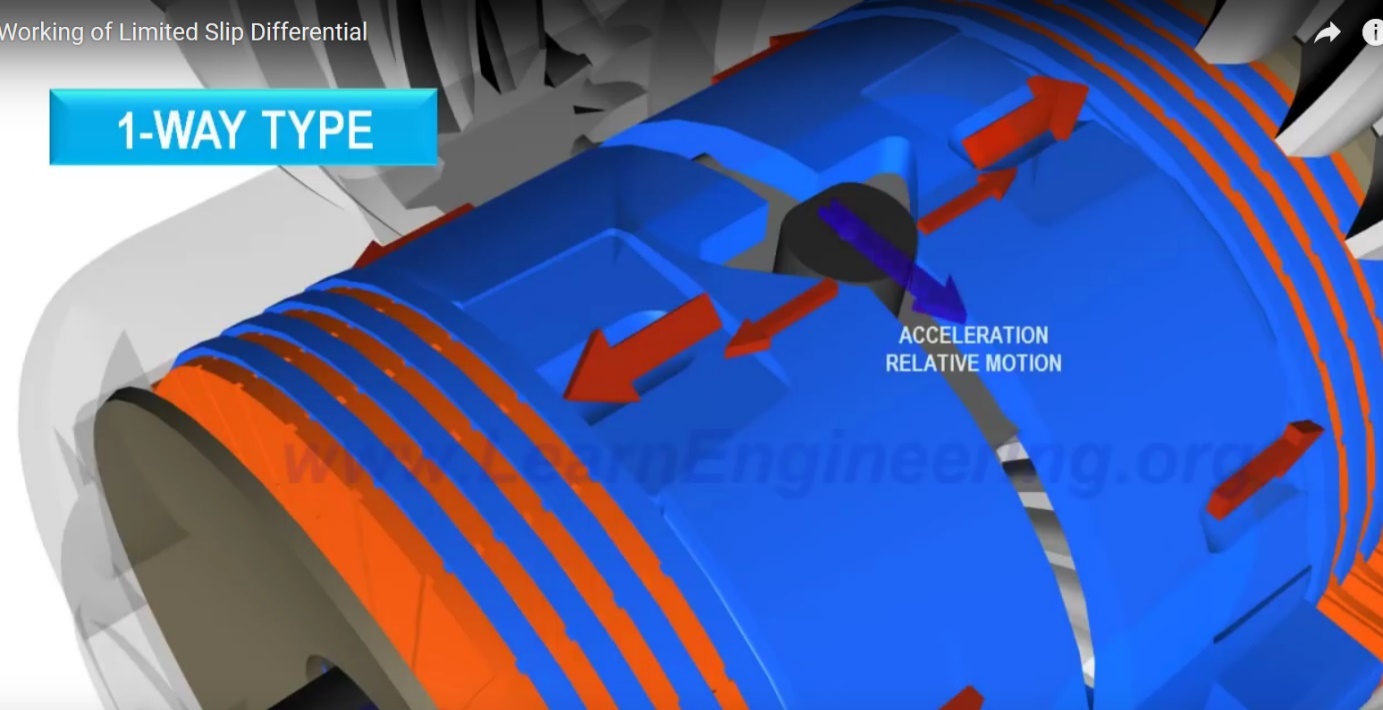
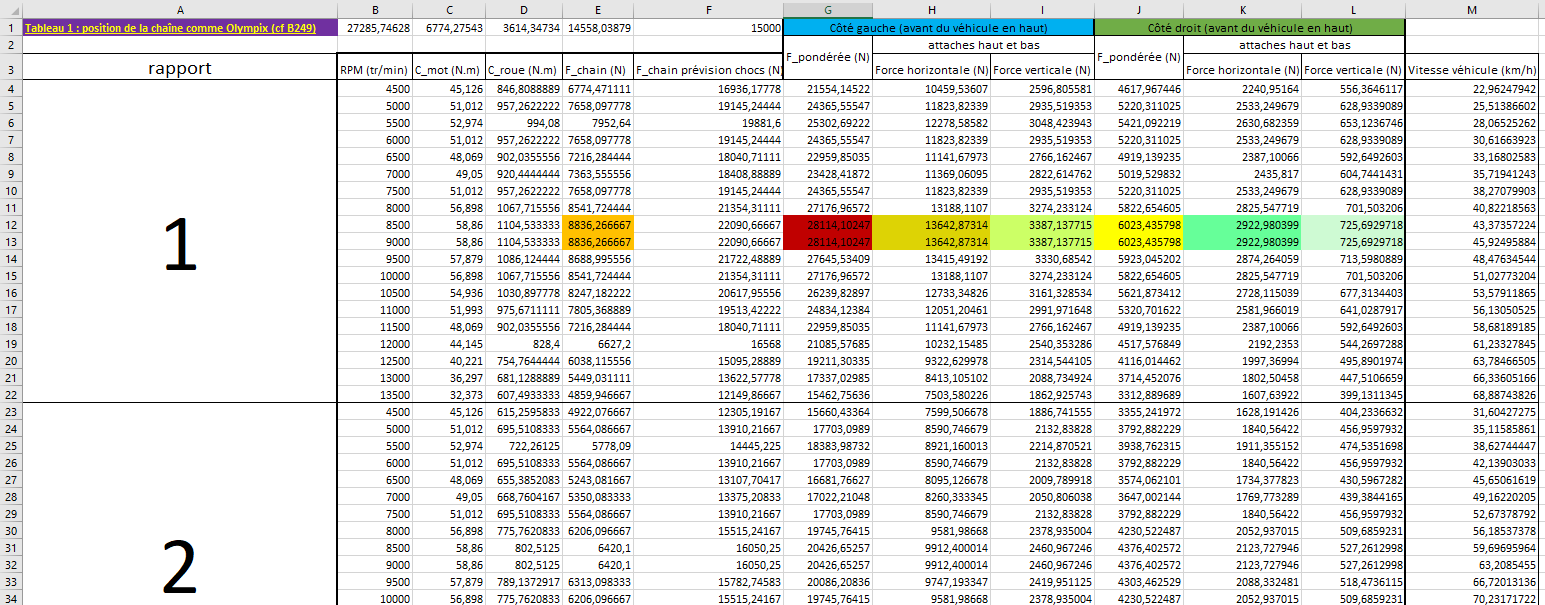
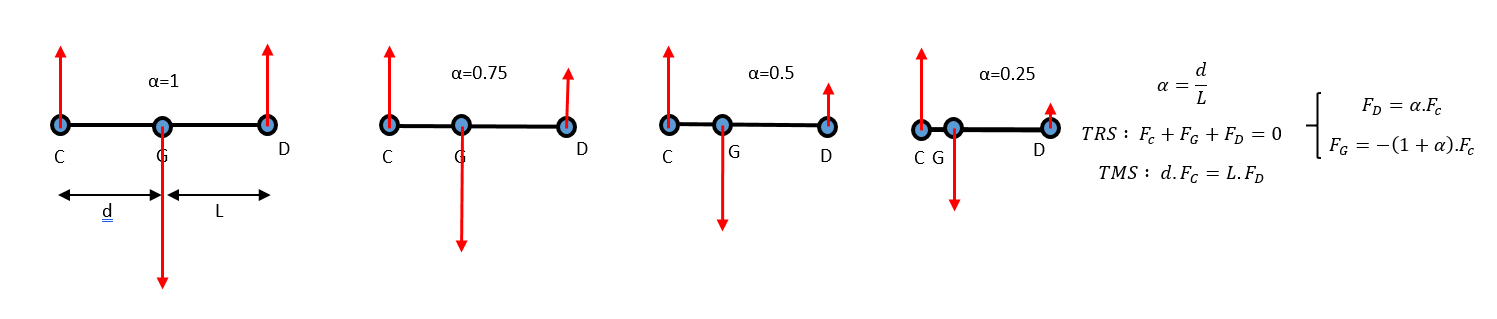
**Drexler limited slip differential**



**Efforts on Eccentric carriers**

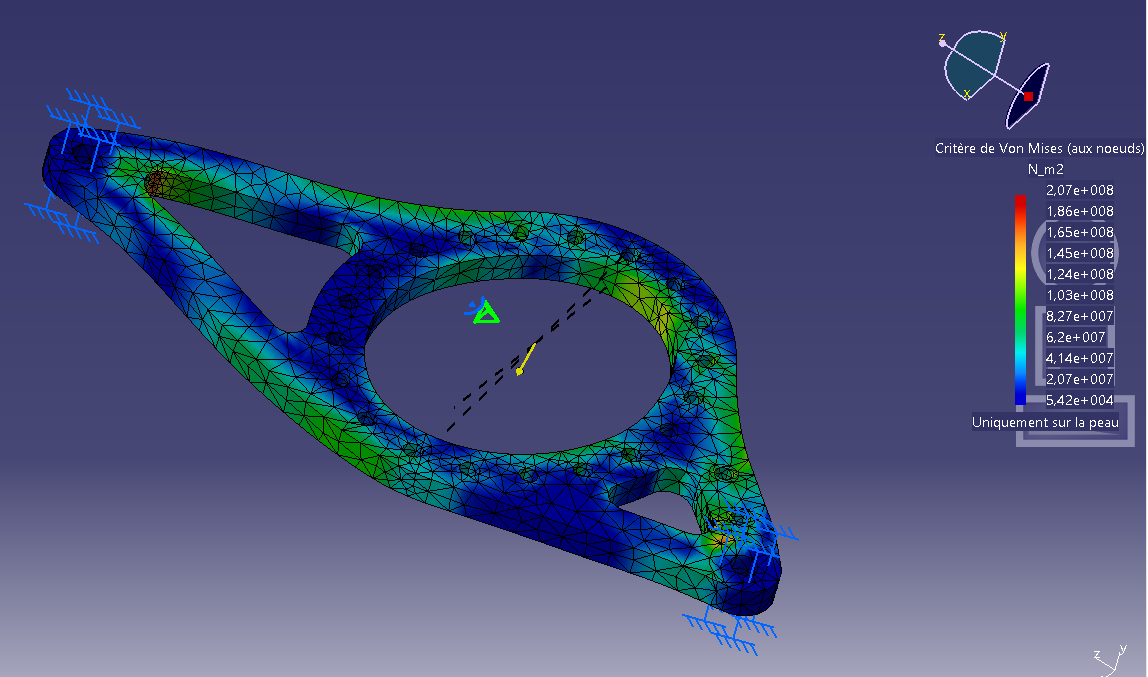


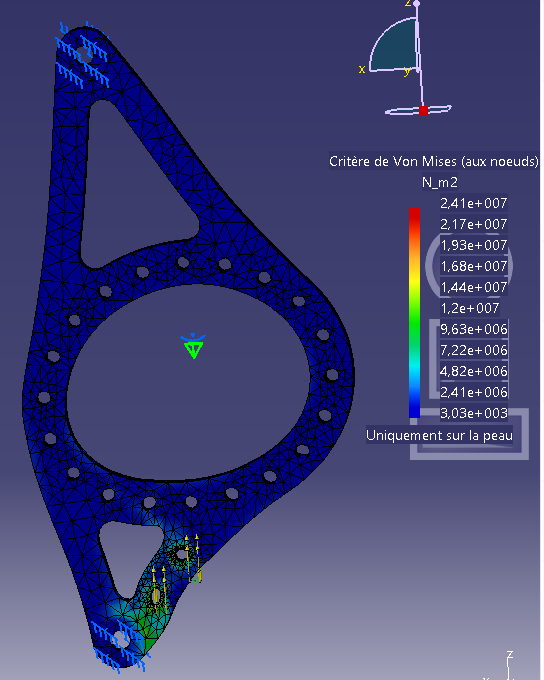
****

**Finite Elements on left eccentric**

*Material : aluminium 2017 T4*

*Re = 260 MPa*

*Thickness : 14mm*



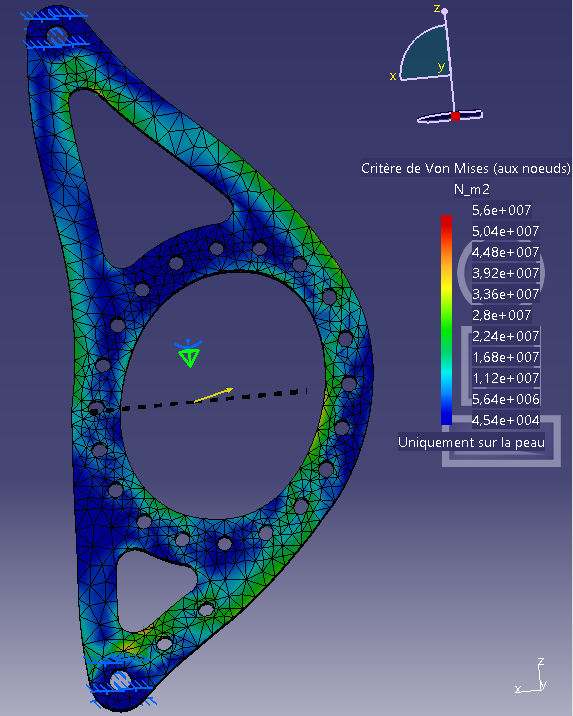
Carrying the car

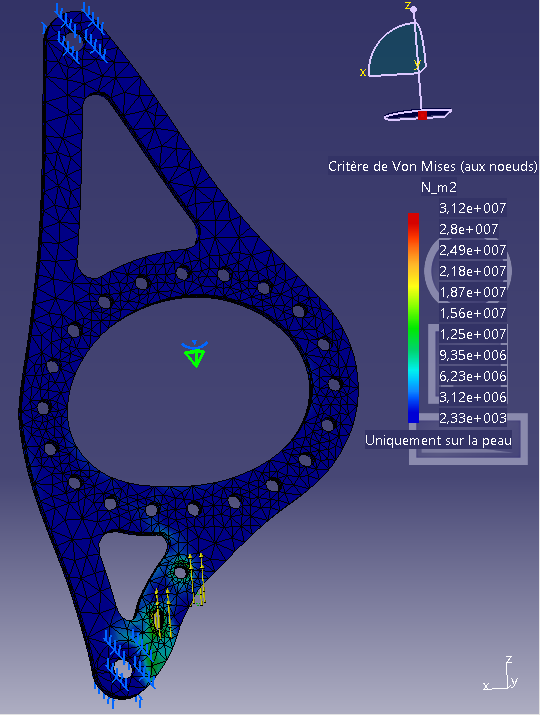
**Finite Elements on right eccentric**

*Material : aluminium 2017 T4*

*Re = 260 MPa*

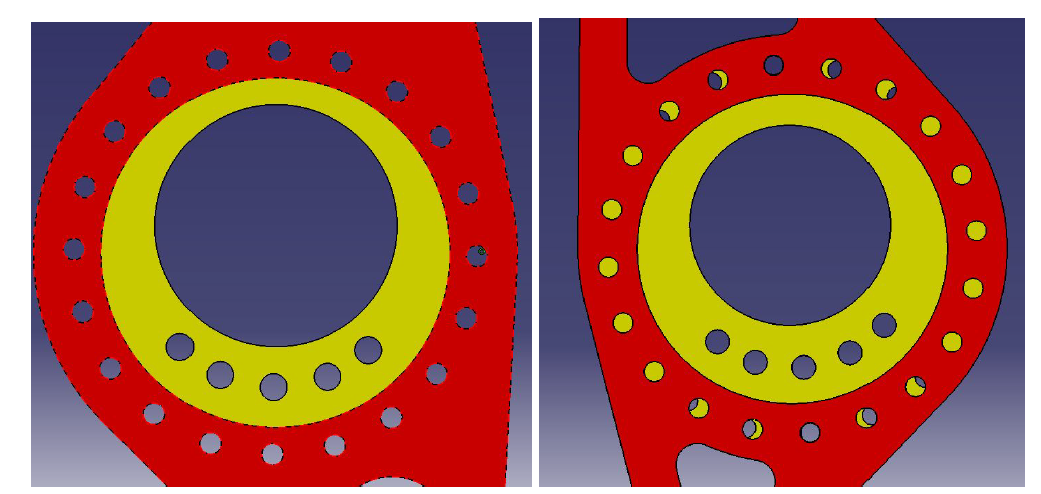
*Thickness : 11mm*





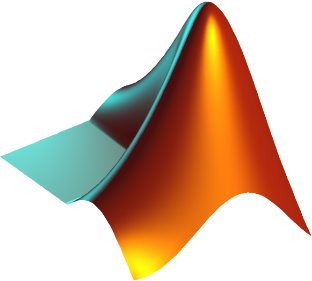
Carrying the car

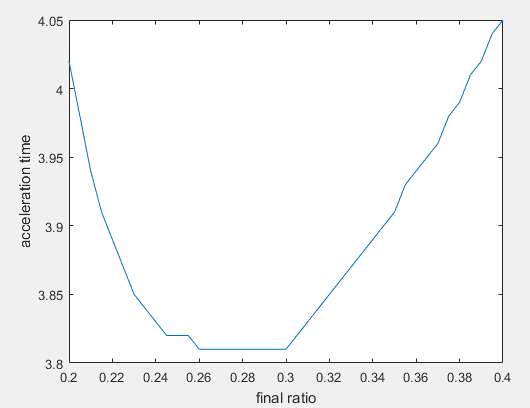
**Chain tension**



Basic configuration Vulcanix configuration

*Pgcd (fr) = hcf (eng)*

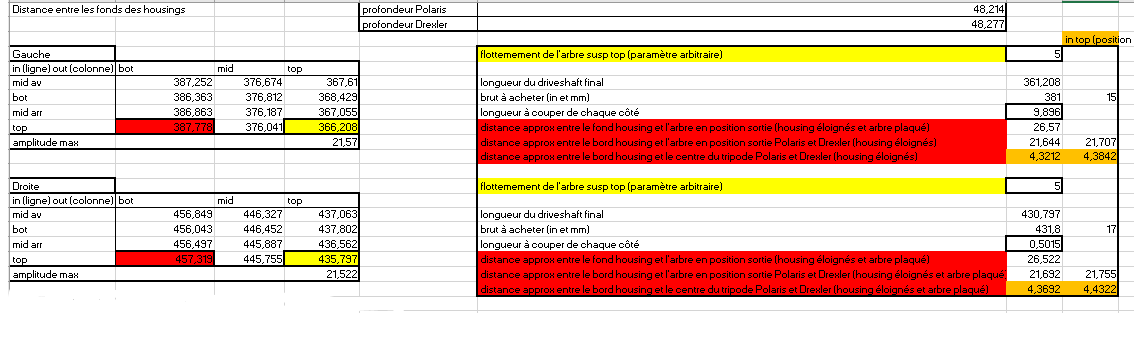
**Final Ratio**



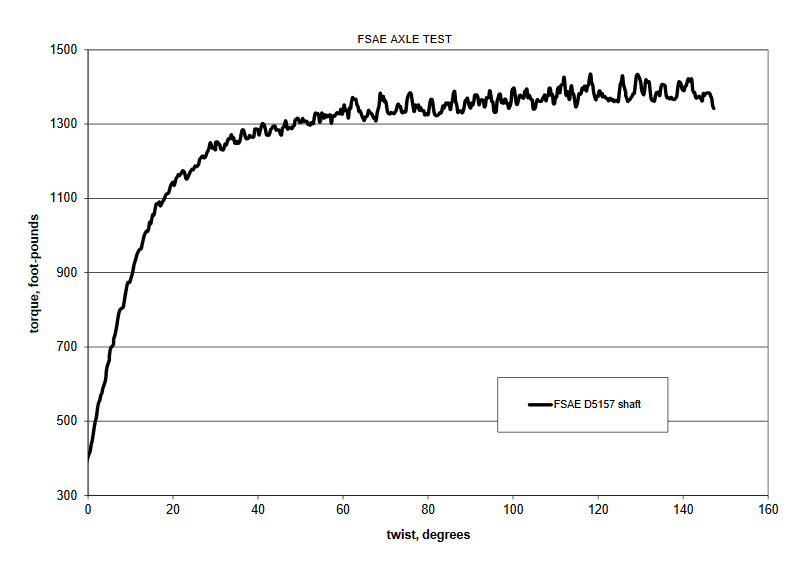
**0.2955**

**FR = 13x44 🡪 0.2955**

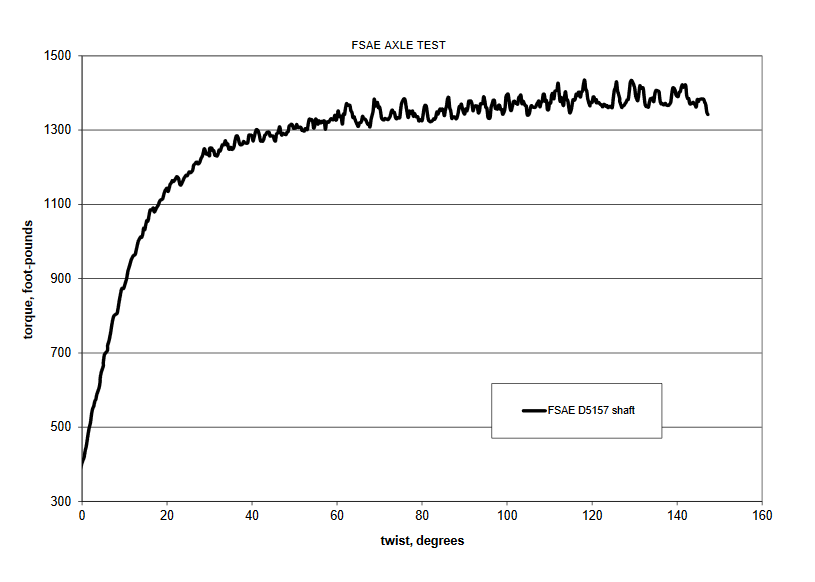
**Axle shafts (length calculation)**



**Axle shafts**

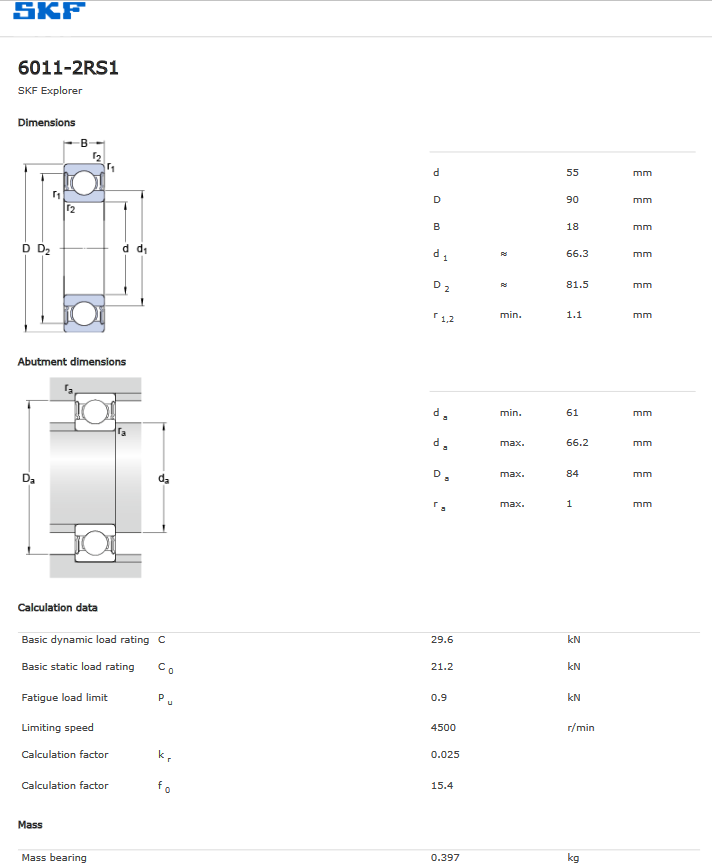


15in (left)

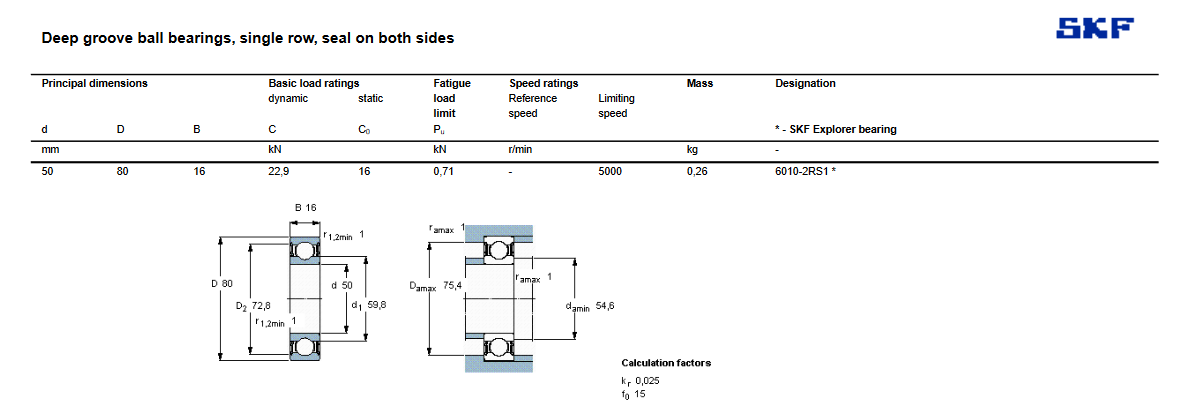


17in (right)

**Left ball bearing (6011-2RS1)**



**Right ball bearing (6010-2RS1)**



**Sectional view**

