Introduction

In this example, a method of tunnel lining design is described using support design tools available in Phase². Support capacity plots are used to ensure that liner loads remain within the design factor of safety of the liner.

Support capacity plots for reinforced concrete liner on circular tunnel

For details see Phase² Tutorial # 24:

Phase² Tutorial # 24 – Tunnel Lining Design

For an additional example of tunnel support design see Phase² Tutorial # 18:

Phase² Tutorial # 18 – 3D Tunnel Simulation using Core Replacement