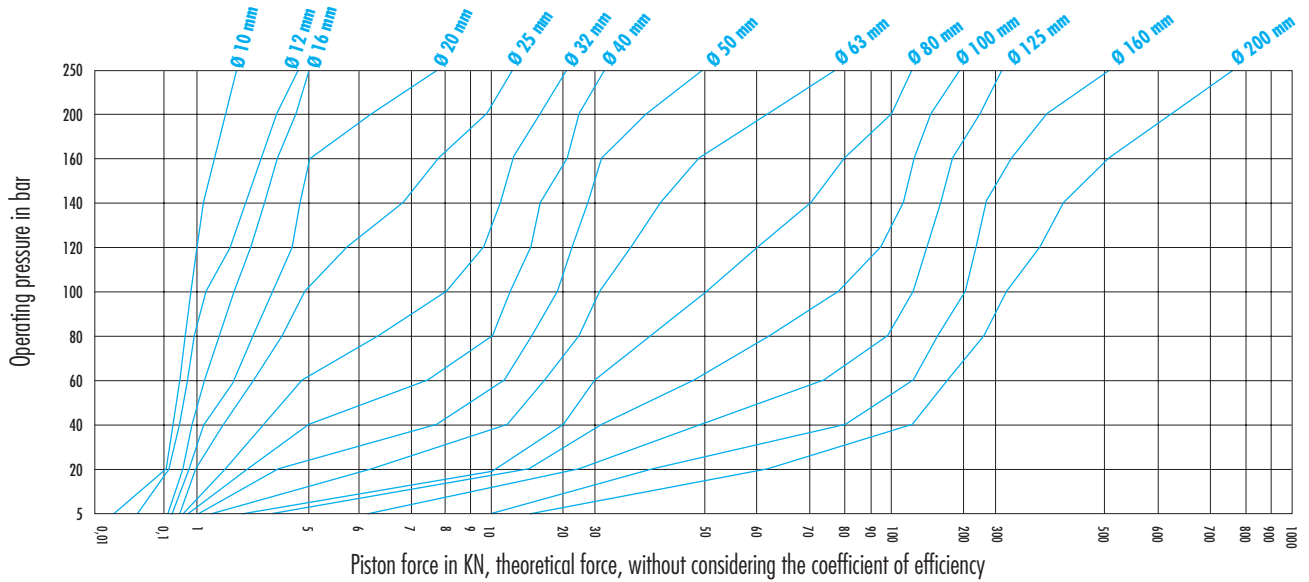
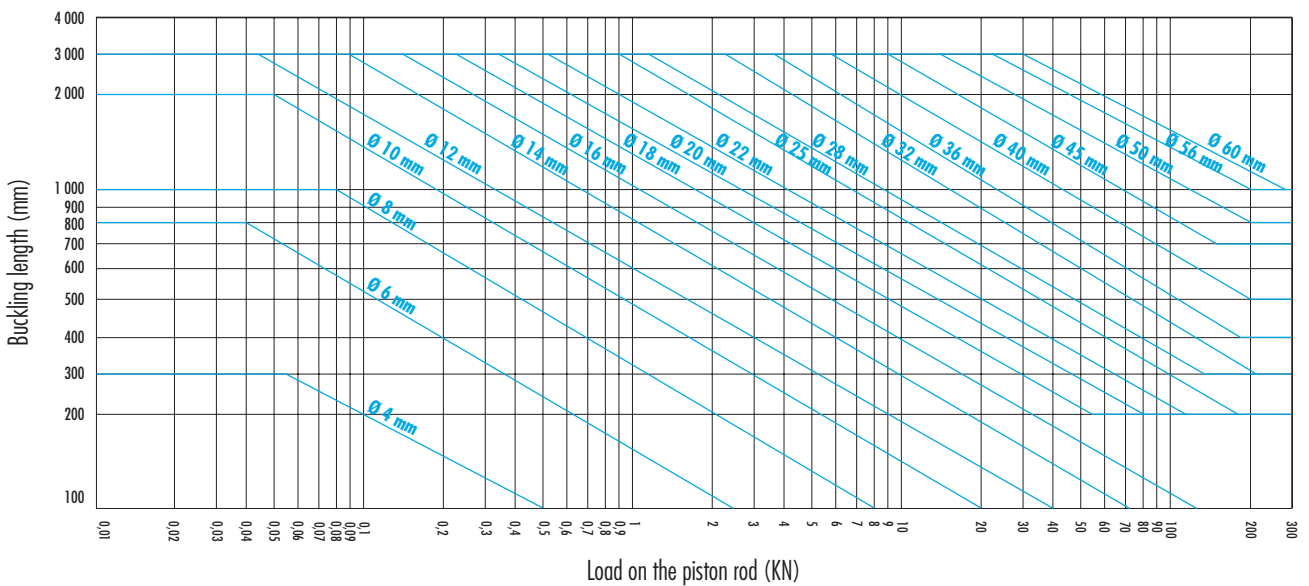


Piston force and buckling length

Determination of the cylinder diameter required



Determination of the piston rod diameter required



If cylinders with a long stroke are installed, piston rods with corresponding diameters are required. The length of stroke is determined by the pressure, the type of mounting, the type of connection of the rod end and the guide quality of the moved mass.

The above diagram is only valid for rigidly guided mass and for flange connection at the back or front.

Please note: If the mounting method varies, the maximum permissible buckling length must be calculated. Please contact us with details of your required application - we would be pleased to calculate the necessary piston rod diameter. The diagram „Determining the necessary piston rod diameter“ is only valid for the installation described.