







The diagram shows the driving torque required to generate a specific force (without allowing for the screw bearing).

Example: At 2 mm lead, torque of only 3.4 Nm is needed to generate 10 kN. At 1 mm lead this is reduced to 1.9 Nm.



The diagram shows the efficiency curve of an ASCA servo screw with 1 mm and 2 mm lead.

It is clear that very high efficiency levels can be obtained even at small leads. Due to the preloading of the planetary rollers, the efficiency is relatively low in the lower force ranges but rises as the force increases.