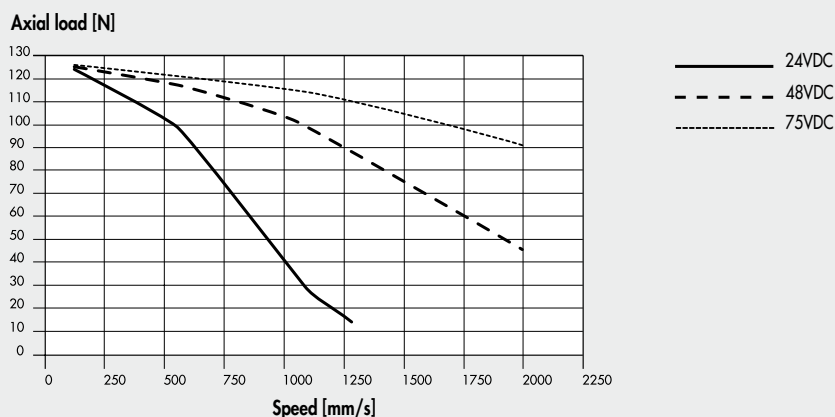


AXIAL LOAD CURVES AS A FUNCTION OF SPEED (AXIS COMPELTE WITH MOTOR AND DRIVE) BK-1

N.B.: Check that the following constraints are met for each cycle phase:
 - the maximum movable masses and related acceleration values specified in the data sheets;
 - the values specified in the force and moment calculation diagram (including moment of inertia);
 - the maximum axial load of the belt.

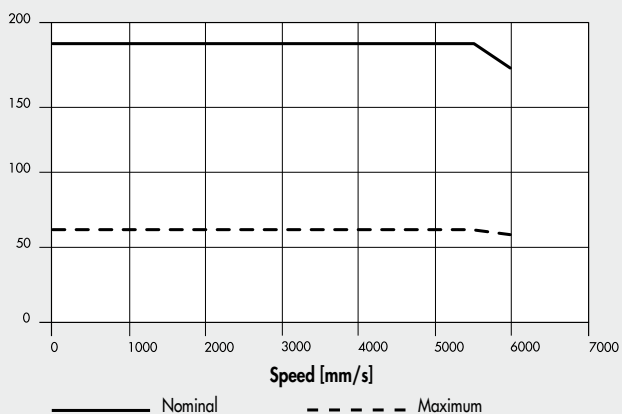
N.B.: The obtainable load values already take the efficiency of the system into account.
 For **STEPPING** motors, with the motor off, the drive current is automatically reduced by 50% to prevent overheating. Consequently, available axial load with the motor stopped is also reduced by 50%.

STEPPING motor code 37M1230000

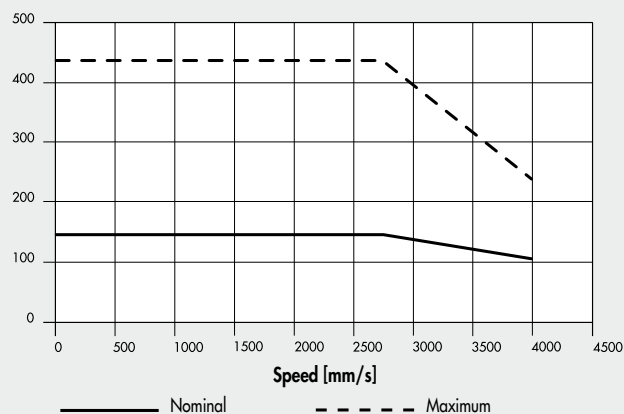


BRUSHLESS motors code 37M2220001 and code 37M4220001 (with brake)

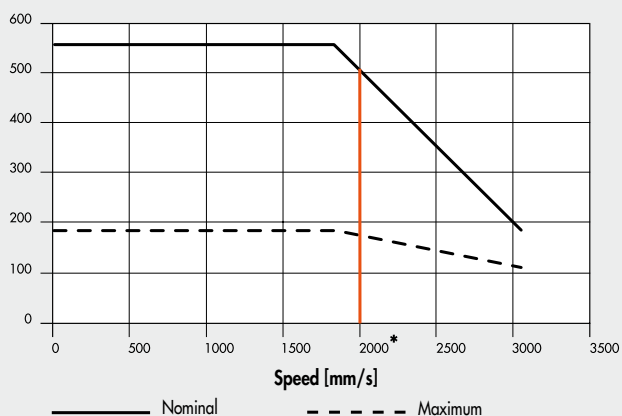
Direct type
Axial load [N]



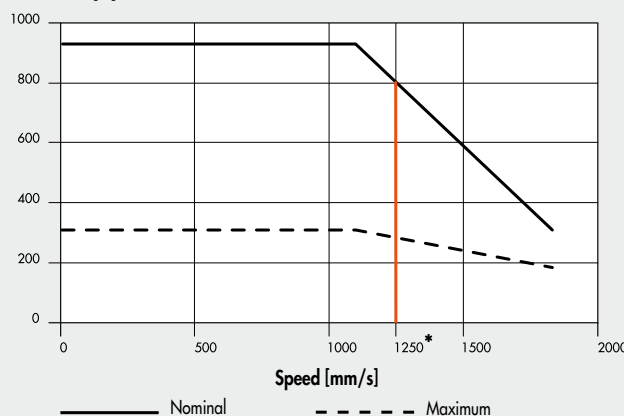
Belt reduction gear 1:2
Axial load [N]



With 1:3 gearbox
Axial load [N]



With 1:5 gearbox
Axial load [N]



* = limit of gearbox continuous operation: higher speeds can be reached only for "duty cycle" ≤60% and for a maximum number of 1000 accelerations per hour.