

# PROJECT PLANNING SHEET



## KK/KF Linear Axis

### Kundendaten

Company:	Processed by:
Technical consultant:	Date:
Purchasing consultant:	Project name:

### Project plan

Quantity: _____	Period: _____
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### System parameters

Axle type:	<input type="checkbox"/> KK (double row)	<input type="checkbox"/> KF (four-row)	<input type="checkbox"/> according to interpretation
Stroke length X [mm]: _____			

### Operating data

Cycles/hour: _____	Hours/day: _____	Days/year: _____
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### Cycle (travel distance, process time, travel speed, acceleration and non-productive times (breaks, gripper times etc.))

Path No.	Travel distance [mm]	Positioning time $t_{pos}$ [s]	$v_{max}$ [m/s]	$a_{max}$ [m/s <sup>2</sup> ]	Break $t_{pause}$ [s]	Description of the operation or non-productive times
1						
2						
3						
4						
5						

### Axis positioning in space

<p>Position in direction of motion</p> <p>Angle A: _____ °</p>	<p>Position transversal to direction of motion</p> <p>Angle B: _____ °</p>	<p>Moving Mass: m = _____ [kg]</p> <p>Centre of gravity of the moving mass m: x<sub>m</sub> = _____ [mm] y<sub>m</sub> = _____ [mm] z<sub>m</sub> = _____ [mm]</p> <p>External forces: F<sub>x</sub> = _____ [N] F<sub>y</sub> = _____ [N] F<sub>z</sub> = _____ [N]</p> <p>Force transmission point: x<sub>F</sub> = _____ [mm] y<sub>F</sub> = _____ [mm] z<sub>F</sub> = _____ [mm]</p>
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Options		
Feature	Standard	Option
Slide length:	<input type="checkbox"/> A	<input type="checkbox"/> S <sup>1)</sup>
Second slide:	<input type="checkbox"/> No	<input type="checkbox"/> Yes, light expanse <sup>1)</sup> : _____ mm <div style="text-align: right; margin-top: 10px;"> </div>
Cover:	<input type="checkbox"/> Without	<input type="checkbox"/> C (Aluminium cover) <input type="checkbox"/> B (Bellows) <sup>1)</sup>
Limit switch <sup>2)</sup> :	<input type="checkbox"/> Without	<input type="checkbox"/> S0 <input type="checkbox"/> SA (1 Stk.) <input type="checkbox"/> SB (2 Stk.) <input type="checkbox"/> SC (3 Stk.)
Flange type <sup>3)</sup> :	<input type="checkbox"/> F0	<input type="checkbox"/> F1 <input type="checkbox"/> F2 <input type="checkbox"/> F3 <input type="checkbox"/> F4 <input type="checkbox"/> F5 <input type="checkbox"/> F6 <input type="checkbox"/> F7 <input type="checkbox"/> F8 <input type="checkbox"/> F10 <input type="checkbox"/> H0 <input type="checkbox"/> H1

<sup>1)</sup> Only for KK60, KK86

<sup>2)</sup> Limit switches are NC contacts, not available for KK30

<sup>3)</sup> For details, see order code in the „Precision axes“ catalogue

Accessories	
<input type="checkbox"/> HIWIN servo motor	Brake <input type="checkbox"/> With motor brake <input type="checkbox"/> Without motor brake Encoder <input type="checkbox"/> 23 bit absolute singleturn <input type="checkbox"/> 23 bit absolute multiturn
<input type="checkbox"/> HIWIN drive	Interface <input type="checkbox"/> EtherCAT CoE <input type="checkbox"/> PROFINET <input type="checkbox"/> Step-direction/+-10V <input type="checkbox"/> _____
<input type="checkbox"/> Motor cable	<input type="checkbox"/> 3m <input type="checkbox"/> 5m <input type="checkbox"/> 10m <input type="checkbox"/> _____
<input type="checkbox"/> Encoder cable	<input type="checkbox"/> 3m <input type="checkbox"/> 5m <input type="checkbox"/> 10m <input type="checkbox"/> _____
<input type="checkbox"/> Extension cable for limit switch	<input type="checkbox"/> 3m <input type="checkbox"/> 5m <input type="checkbox"/> 7m <input type="checkbox"/> 10m <input type="checkbox"/> 15m
<input type="checkbox"/> Further cables	<input type="checkbox"/> USB parameterisation cable <input type="checkbox"/> E/A-cable <input type="checkbox"/> STO-cable, 3m
<input type="checkbox"/> Mains filter	

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**Application** (Sector, machine, application, ambient conditions, sketch)