

Project Planning Sheet

HM/HT/HD Linear Axis

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

Project plan (current state of project/schedule/quantity/aimed price)

Application (industry sector, machine type, usage etc.)

System parameters

Drive type: Toothed belt Ballscrew Linear motor acc. to calculation

Stroke length [mm]: _____ Repeatability [mm]: _____

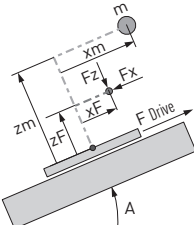
Ambient conditions (temperature, humidity, clips, dirt):

Cycle (travel distance, process time, travel speed, acceleration and non-productive times (breaks, gripper times etc.))

Path No.	Travel distance [mm]	Positioning time [s]	V_{max} [m/s]	a_{max} [m/s ²]	Break [s]	Description of the operation or non-productive times
1						
2						
3						
4						
5						

Axis position in space

Single and double axis



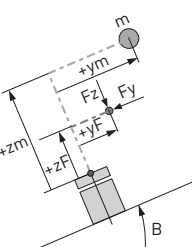
Angle A: _____ °

Moving mass: $m =$ _____ [kg]

Centre of gravity of the moving mass m :

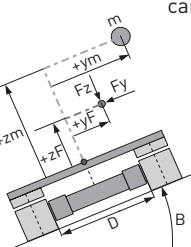
$x_m =$ _____ [mm]
 $y_m =$ _____ [mm]
 $z_m =$ _____ [mm]

Single axis HM/HT



Angle B: _____ °

Double axis HD (with a stiff connection of the carriages)



Distance between axes D: _____ mm

Angle B: _____ °

External forces:

$F_x =$ _____ [N]
 $F_y =$ _____ [N]
 $F_z =$ _____ [N]

Force transmission point:

$x_F =$ _____ [mm]
 $y_F =$ _____ [mm]
 $z_F =$ _____ [mm]

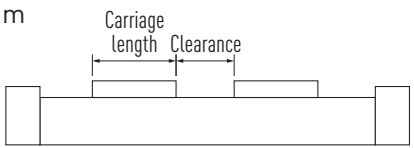
Carriages are not connected or have a non-stiff connection (please add sketch and further information)

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Motion Control & Systems

Options		
Feature	Standard	Option
Carriage length:	<input type="checkbox"/> S	<input type="checkbox"/> L ¹⁾ <input type="checkbox"/> M ¹⁾ <input type="checkbox"/> acc. to calculation
Second carriage:	<input type="checkbox"/> No	<input type="checkbox"/> Yes, clearance ¹⁾ : _____ mm 
Cover strip HM-B/HD:	<input type="checkbox"/> Without	<input type="checkbox"/> With
Cover strip HM-S/HT:	<input type="checkbox"/> With	<input type="checkbox"/> Without
Limit switches ²⁾ :	<input type="checkbox"/> A	<input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> Without
Distance measuring system	H-S/H-B:	<input type="checkbox"/> Without <input type="checkbox"/> Analogue signal <input type="checkbox"/> Digital signal
	HT-L ²⁾ :	<input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> T <input type="checkbox"/> R <input type="checkbox"/> S
Spindle support H-S:	<input type="checkbox"/> Without	<input type="checkbox"/> Yes, quantity: _____ <input type="checkbox"/> acc. to calculation
Drive interface H-B/H-S/HD:	<input type="checkbox"/> Without	H-B: <input type="checkbox"/> On the right <input type="checkbox"/> On the left H-S: <input type="checkbox"/> Straight <input type="checkbox"/> Belt drive on the right <input type="checkbox"/> Belt drive on the left <input type="checkbox"/> Belt drive at the top <input type="checkbox"/> Belt drive at the bottom HD: <input type="checkbox"/> On the right <input type="checkbox"/> On the left
Connection interface HT-L ²⁾		<input type="checkbox"/> R <input type="checkbox"/> L <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F
Motor/motor gear adapter H-B/H-S:	<input type="checkbox"/> Without	<input type="checkbox"/> With adapter for motor, type: _____ Manufacturer _____ <input type="checkbox"/> With adapter for Neugart gearbox, type: _____
Gears H-B:	<input type="checkbox"/> Without	<input type="checkbox"/> With assembled gearbox, type: _____ Gear transmission: _____ <input type="checkbox"/> With assembled gearbox acc. to calculation
Delivery state HD:	<input type="checkbox"/> Mounted	<input type="checkbox"/> Partly mounted
Accessories:	<input type="checkbox"/> Without	<input type="checkbox"/> Journal Type: _____ Quantity: ____ <input type="checkbox"/> Centring sleeve (PU: 10 pcs.) Type: _____ Quantity: ____ <input type="checkbox"/> T Nuts (PU: 10 pcs.) Type: _____ Quantity: ____ <input type="checkbox"/> Clamping profile (PU: 4 pcs.) Type: _____ Quantity: ____

¹⁾ Not applicable to HT

²⁾ For details please refer to the order code in the catalogue „Linear Axes and Axis Systems HX“

Sketch (with separate attachment, where appropriate)