

# PROJECT PLANNING SHEET



DATORKER® strain wave gearbox

## Customer data

Company:

Processed by:

Technical consultant:

Date:

Purchasing consultant:

Project name:

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

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

### 1. Case: Competitive product is available

Manufacturer:

Product code:

#### 1.1 Documents are available

Drawing

Data sheet

#### 1.2 If available, external motor data

Drawing

Data sheet

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Case 2: HIWIN DATORKER needs to be calculated					
2.1 input shaft(s)					
Oldham coupling O	Hollow shaft H	Solid shaft J	Flat E	Rigidity R	Quick Installation Q
					
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comment:					
2.2 Series					
	Standard	Heavy load	Thin	Lightweight	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Comment:					
2.3 Output bearing					
	None	Standard	Reinforced		
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
2.4 Sealing					
	Yes	No			
	<input type="checkbox"/>	<input type="checkbox"/>			
Comment:					
2.5 Operating conditions					
	Yes	No			
Coating	<input type="checkbox"/>	<input type="checkbox"/>			
Special environmental conditions (dust, vibrations, liquids):					
2.6 Motor data					
	HIWIN	External motor	Type code:		
Motor manufacturer:	<input type="checkbox"/>	<input type="checkbox"/>			
	Yes	No			
Motor flange:	<input type="checkbox"/>	<input type="checkbox"/>			
Gearbox only	Gearbox + motor unassembled		Gearbox + motor assembled		
<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>		

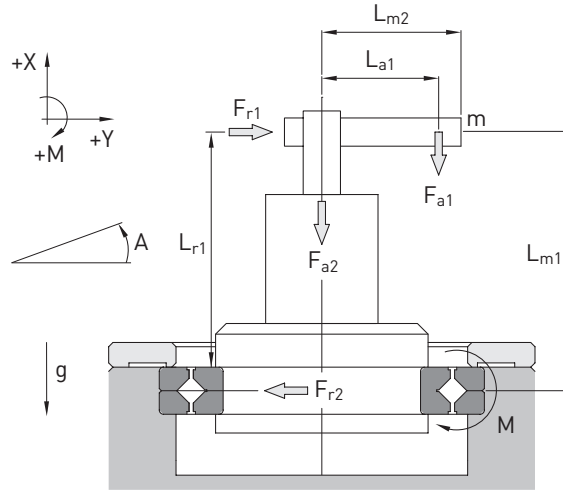
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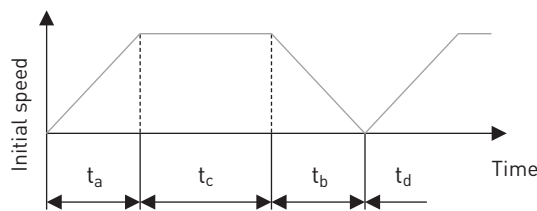
To be completed in all cases

Sizing data



Angle:	A _____ °
Mass:	_____ kg
Distance between masses:	L <sub>m1</sub> _____ mm      L <sub>m2</sub> _____ mm
Mass inertia:	I _____ kg*m <sup>2</sup>
Axial force 1:	F <sub>a1</sub> _____ N
Lever 1:	L <sub>a1</sub> _____ mm
Axial force 2:	F <sub>a2</sub> _____ N
Radial load 1:	F <sub>r1</sub> _____ N
Lever 2:	L <sub>r1</sub> _____ mm
Radial load 2:	F <sub>r2</sub> _____ N
Tilting moment:	M _____ Nm
Temperature:	T _____ °C

Cycle description of rotary motion (travel distance, time, speed, acceleration and non-productive times (pauses, gripping times, etc.))



Travel no.	Rotation angle [n or °]	Positioning time [s]	N <sub>max</sub> [1/min]	t <sub>a</sub> [s]	t <sub>b</sub> [s]	t <sub>c</sub> [s]	Pause t <sub>d</sub> [s]	Additional torques [Nm]
1								
2								
3								
4								
5								
6								

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Optional sketch

A large, empty rectangular area with a thin black border, intended for an optional sketch of the strain wave gearbox.