

# 2-JAW PARALLEL GRIPPERS

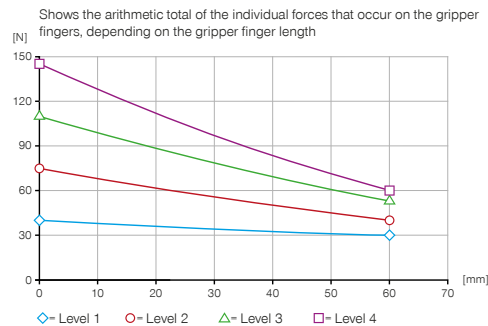
## LWR50L-23-00001-A

### ▶ PRODUCT SPECIFICATIONS



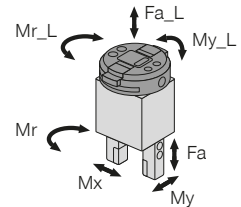
**MOTCH**

#### ▶ Gripping force diagram



#### ▶ Forces and moments

Shows static forces and moments



Mr_L [Nm]	20	Mr [Nm]	2.5
My_L [Nm]	40	Mx [Nm]	2.5
Fa_L [N]	500	My [Nm]	2
		Fa [N]	140

▶ Technical data	
<b>Order no.</b>	<b>LWR50L-23-00001-A</b>
<b>General data</b>	
Control	IO-Link
Operating temperature [°C]	5 ... +60
Protection to IEC 60529	IP40
Weight [kg]	0.6
<b>Tool changer specific data</b>	
Electrical energy transfer	integrated
Locking stroke [mm]	1
Repetition accuracy in X, Y [mm]	0.05
Repetition accuracy in Z [mm]	0.05
Tightening force [N]	50
Release force [N]	0
Offset at coupling max. in X,Y [mm]	1.0
<b>Gripper specific data</b>	
Suitable for series	LWR50F-xx-03/04/05
Positionable	Yes
Integrated position sensing	Using process data
Cable management	external
Type of drive	electrical
Stroke per jaw [mm]	6
Gripping force safety device	mechanical
Gripping force in closing (adjustable) max. [N]	145
Gripping force in opening (adjustable) max. [N]	145
Closing time [s]	0.1
Opening time [s]	0.1
Control time [s]	0.03
Dead weight of mounted gripper finger max. [kg]	0.05
Length of the gripper fingers max. [mm]	60
Repetition accuracy +/- [mm]	0.02
Voltage [V]	24
Current consumption max. [A]	1
Minimum positioning path per jaw [mm]	0.5
PWIS-free	Yes
RoHS compliant	Yes

## ▶ RECOMMENDED ACCESSORIES



### CONNECTIONS / OTHER



**ALWR1-50-A**  
Match - Storage station

## ▶ RECOMMENDED ACCESSORY STORAGE STATION



**NJ5-E2SK-01**  
Inductive Proximity Switch Cable 0,3 m - Connector M8

