

# 2-JAW PARALLEL GRIPPERS WITH LONG STROKE

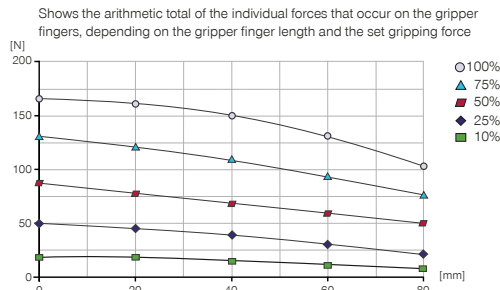
## LWR50L-02-00001-A

### ▶ PRODUCT SPECIFICATIONS



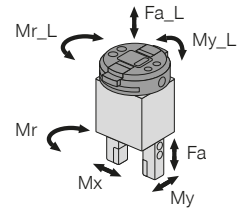
**MATCH**

#### ▶ Gripping force diagram



#### ▶ Forces and moments

Shows static forces and moments



Mr_L [Nm]	20	Mr [Nm]	25
My_L [Nm]	40	Mx [Nm]	25
Fa_L [N]	500	My [Nm]	25
		Fa [N]	500

#### ▶ Technical data

**LWR50L-02-00001-A**

#### Order no.

#### General data

MRK design according to ISO/TS 15066	Yes
Control	IO-Link
Operating temperature [°C]	5 ... +50
Protection to IEC 60529	IP40
Weight [kg]	1.6

#### Tool changer specific data

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

#### Gripper specific data

Suitable for series	LWR50F-xx-03/04/05
HRC form	collaborative
Cable management	internal
Type of drive	electrical
Integrated position sensing	yes
Stroke per jaw [mm]	40
Stroke per jaw, adjustable [mm]	40
Gripping force min. [N]	15
Nominal gripping force [N]	165
Gripping force in accordance with ISO/TS 15066 [N]	<140
Control time [s]	0.125
Dead weight of mounted gripper finger max. [kg]	0.3
Length of the gripper fingers max. [mm]	80
Jaw speed in force mode max. [mm/s]	24
Jaw speed in positioning mode max. [mm/s]	55
Repetition accuracy +/- [mm]	0.05
Voltage [V]	24
Current consumption max. [A]	1.6
Minimum positioning path per jaw [mm]	2

## ▶ 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

