

MATCH - GRIPPERS

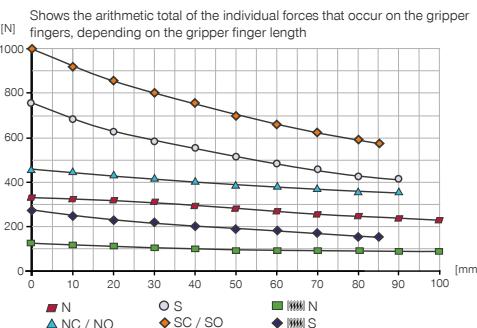
LWR50L-24-00001/2/3/4/5/6-A

► PRODUCT SPECIFICATIONS



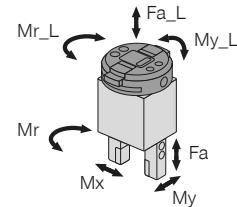
MATCH

► Gripping force diagram



► Forces and moments

Shows static forces and moments



Mr_L [Nm]	20	Mr [Nm]	43
My_L [Nm]	40	Mx [Nm]	70
Fa_L [N]	500	My [Nm]	46
Fa [N]	1250		

► Technical data

Order no.	LWR50L-24-00001-A	LWR50L-24-00002-A	LWR50L-24-00003-A	LWR50L-24-00004-A	LWR50L-24-00005-A	LWR50L-24-00006-A
General data						
Control	IO-Link	IO-Link	IO-Link	IO-Link	IO-Link	IO-Link
Operating temperature [°C]	+5 ... +50	+5 ... +50	+5 ... +50	+5 ... +50	+5 ... +50	+5 ... +50
Protection to IEC 60529	IP40	IP40	IP40	IP40	IP40	IP40
Weight [kg]	1.4	1.4	1.4	1.4	1.4	1.4
Tool changer specific data						
Electrical energy transfer	integrated	integrated	integrated	integrated	integrated	integrated
Locking stroke [mm]	1	1	1	1	1	1
Repetition accuracy in X, Y [mm]	0.05	0.05	0.05	0.05	0.05	0.05
Repetition accuracy in Z [mm]	0.05	0.05	0.05	0.05	0.05	0.05
Tightening force [N]	50	50	50	50	50	50
Release force [N]	0	0	0	0	0	0
Offset at coupling max. in X,Y [mm]	1.0	1.0	1.0	1.0	1.0	1.0
Gripper specific data						
Suitable for series	LWR50F-xx-03/04/05	LWR50F-xx-03/04/05	LWR50F-xx-03/04/05	LWR50F-xx-03/04/05	LWR50F-xx-03/04/05	LWR50F-xx-03/04/05
Type of drive	pneumatic	pneumatically intelligent				
Stroke per jaw [mm]	6	6	6	3	3	3
Gripping force in closing [N]	330	455		740	1020	
Gripping force in opening [N]	360		485	800		1080
Gripping force secured by spring min. [N]		125	125		280	280
Cycle count max. [cycle/min]	360	250	250	360	250	250
Dead weight of mounted gripper finger max. [kg]	0.4	0.4	0.4	0.4	0.4	0.4
Length of the gripper fingers max. [mm]	100	90	90	90	85	85
Repetition accuracy +/- [mm]	0.01	0.01	0.01	0.01	0.01	0.01
Operating pressure [bar]	3 ... 8	4 ... 7	4 ... 7	3 ... 8	4 ... 7	4 ... 7
Nominal operating pressure [bar]	6	6	6	6	6	6
Air volume per cycle [cm³]	11	24	24	11	24	24
Integrated valve technology	Yes	Yes	Yes	Yes	Yes	Yes
Position sensing	integrated	integrated	integrated	integrated	integrated	integrated
Position sensing using process data	Yes	Yes	Yes	Yes	Yes	Yes
Voltage [V]	24	24	24	24	24	24
Current consumption max. [A]	0.10	0.10	0.10	0.10	0.10	0.10

► 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

NC / NO / SC / SO

- ③ Fixing for gripper finger
- ② Ventilation (R+S: In dirty environments, replace filters with actual exhaust hoses and move the exhaust air outlet to a clean environment)
- ⑤ Attachment option for customer-specific fittings
- ④ Ground
- ⑥ Status display

