

MATCH - GRIPPERS

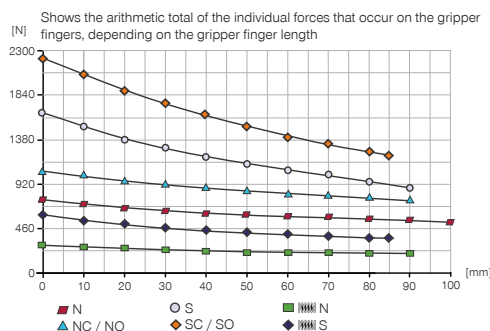
LWR50L-25-00001/2/3/4/5/6-A

► PRODUCT SPECIFICATIONS



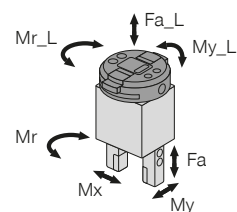
MATCH

► 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-25-00001-A	LWR50L-25-00002-A	LWR50L-25-00003-A	LWR50L-25-00004-A	LWR50L-25-00005-A	LWR50L-25-00006-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]	1.7	1.8	1.8	1.7	1.8	1.8
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	pneumatic	pneumatic	pneumatic	pneumatic	pneumatic
Stroke per jaw [mm]	6	6	6	3	3	3
Gripping force in closing [N]	740	1020		1620	2240	
Gripping force in opening [N]	800		1080	1750		2370
Gripping force secured by spring min. [N]		280	280		620	620
Cycle count max. [cycle/min]	330	230	230	330	230	230
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]	22	43	43	22	43	43
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



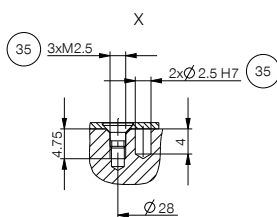
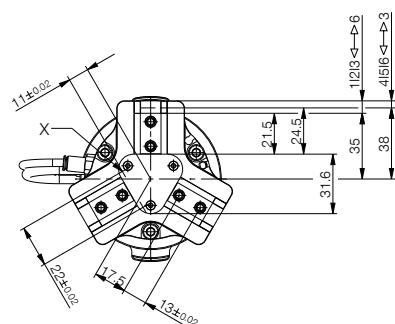
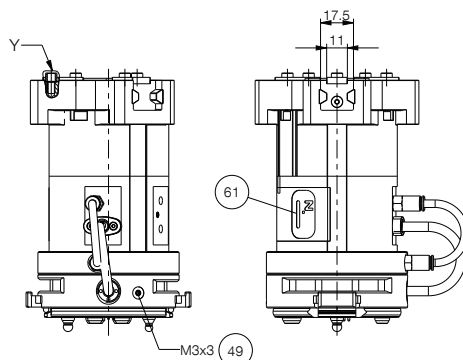
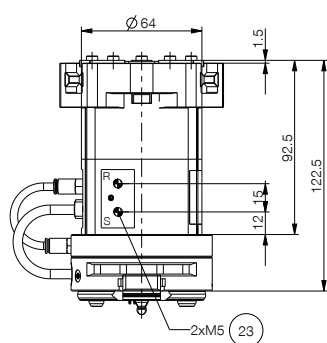
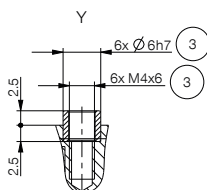
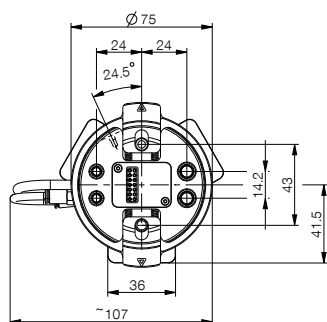
ALWR1-50-A
MATCH storage station



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

► RECOMMENDED ACCESSORY STORAGE STATION

NC / NO / SC / SO



- ③ Fixing for gripper finger
- ②③ Ventilation (R+S: In dirty environments, replace filters with actual exhaust hoses and move the exhaust air outlet to a clean environment)
- ③⑤ Attachment option for customer-specific fittings
- ④⑨ Ground
- ⑥① Status display

N / S

