

2-JAW PARALLEL GRIPPERS

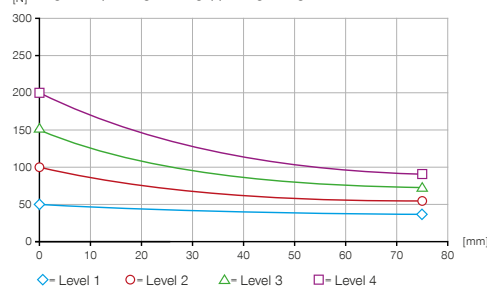
INSTALLATION SIZE GEP2010

► PRODUCT SPECIFICATIONS



► Gripping force diagram

Shows the arithmetic total of the individual forces that occur on the gripper fingers, depending on the gripper finger length



► Forces and moments

Displays static forces and moments that can also have an effect, besides the gripping force.



Mr [Nm]	7
Mx [Nm]	7
My [Nm]	5.5
Fa [N]	200

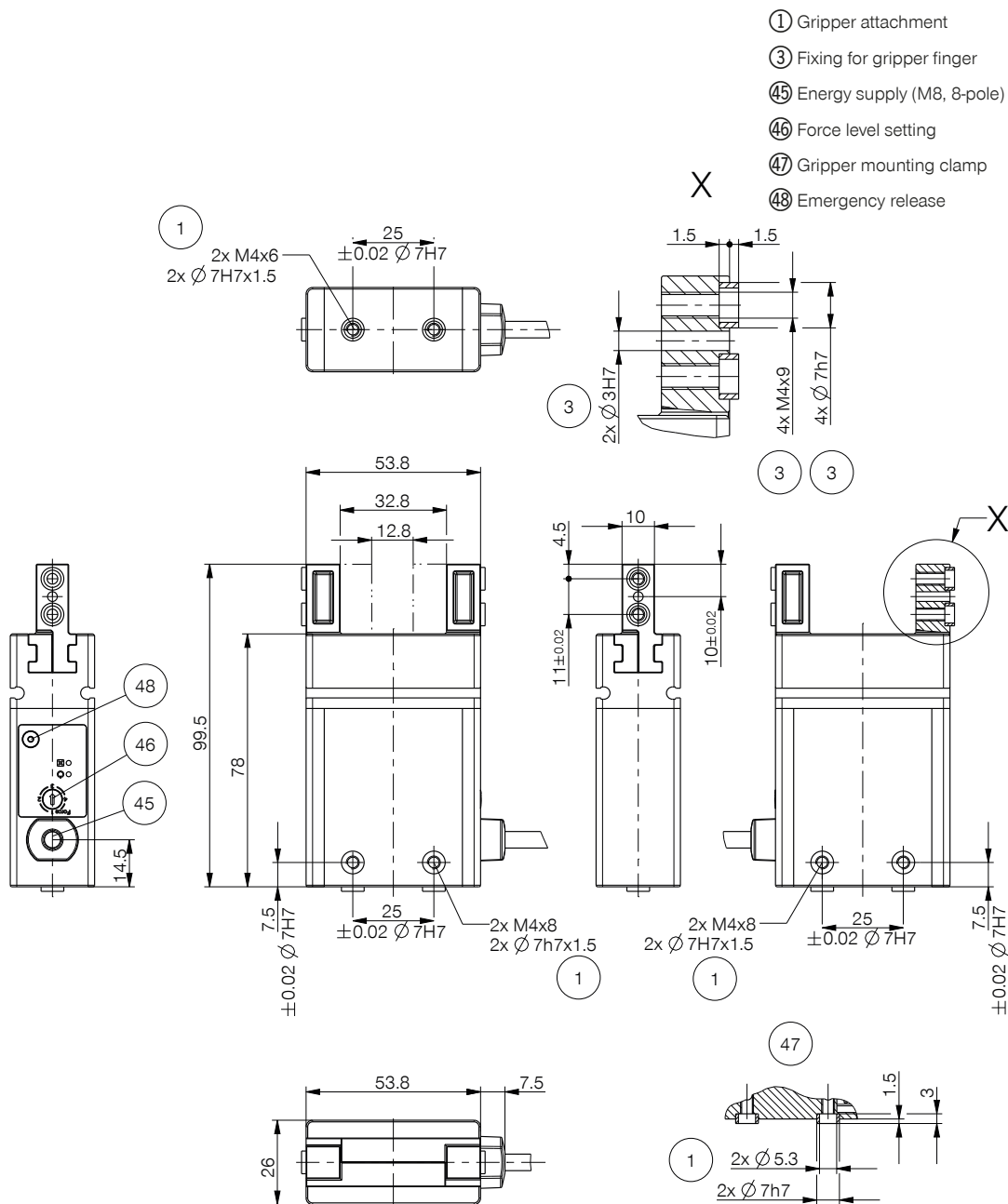
► TECHNICAL DATA

Order no.	► Technical data	
	GEP2010IO-12-B-01	GEP2010IO-12-B-04
Suitable for robot type	Universal Robots e-Series / Fanuc CRX	Universal Robots
Control	I/O	I/O
Position sensing analog 0 to 10 V	Yes	Yes
Stroke per jaw [mm]	10	10
Self locking mechanism	mechanical	mechanical
Dead weight of mounted gripper finger max. [kg]	0.1	0.1
Length of the gripper fingers max. [mm]	80	80
Minimum positioning path per jaw [mm]	0.5	0.5
Repetition accuracy +/- [mm]	0.02	0.02
Control time [s]	0.03	0.03
Voltage [V]	24	24
Current consumption max. [A]	1	1
Connecting cable	Female connector, M8, 8-pole	Male connector, M8, 8-pole
Operating temperature [°C]	5 ... +60	5 ... +60
Clean room applications according to DIN EN ISO 14644-1	2	2
Certifications	CE / UKCA / LABS / REACH / RoHS	CE / UKCA / LABS / REACH / RoHS
Protection to IEC 60529	IP40	IP40
Weight [kg]	0.31	0.31

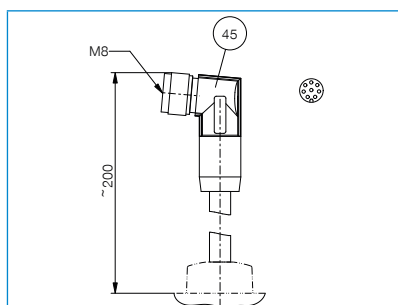
► TECHNICAL DATA OF THE FORCE LEVELS

Order no.	► Level 1	
	GEP2010IO-12-B-01	GEP2010IO-12-B-04
Gripping force level 1 [N]	50	50
Closing time / Opening time level 1 [s]	0.30 / 0.30	0.30 / 0.30
Order no.	► Level 2	
	GEP2010IO-12-B-01	GEP2010IO-12-B-04
Gripping force level 2 [N]	100	100
Closing time / Opening time level 2 [s]	0.25 / 0.25	0.25 / 0.25
Order no.	► Level 3	
	GEP2010IO-12-B-01	GEP2010IO-12-B-04
Gripping force level 3 [N]	150	150
Closing time / Opening time level 3 [s]	0.22 / 0.22	0.22 / 0.22
Order no.	► Level 4	
	GEP2010IO-12-B-01	GEP2010IO-12-B-04
Gripping force level 4 [N]	200	200
Closing time / Opening time level 4 [s]	0.19 / 0.19	0.19 / 0.19

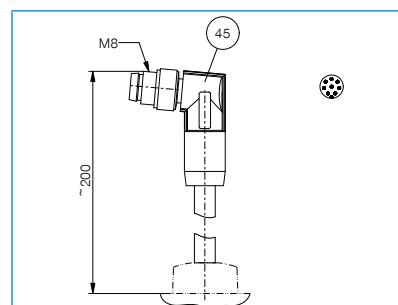
TECHNICAL DRAWINGS



GEP2010IO-12-B-01



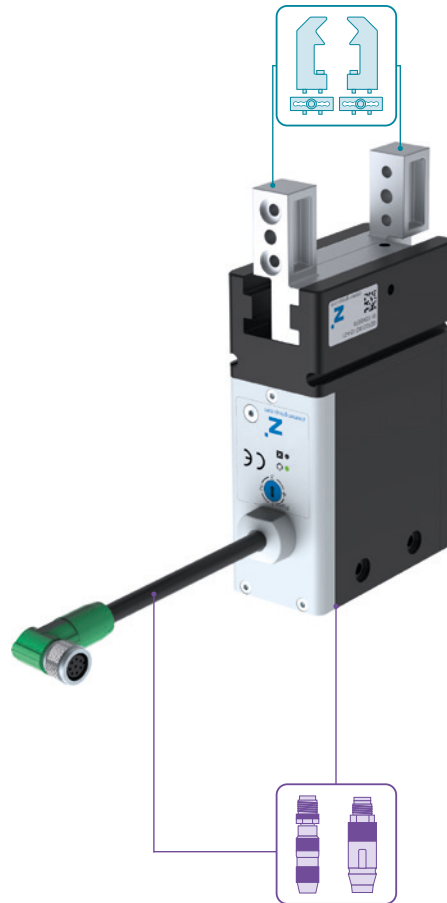
GEP2010IO-12-B-04



2-JAW PARALLEL GRIPPERS

INSTALLATION SIZE GEP2010

► ACCESORIES



► INCLUDED IN DELIVERY



6 [piece]
Centering Disc

390677

► RECOMMENDED ACCESSORY



CONNECTIONS / OTHER



AP000017
Adapter plate