

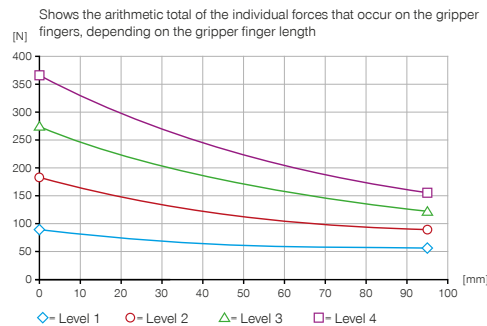
2-JAW PARALLEL GRIPPERS

INSTALLATION SIZE GEP2013

► PRODUCT SPECIFICATIONS



► Gripping force diagram



► Forces and moments

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



Mr [Nm]	13
Mx [Nm]	13
My [Nm]	10
Fa [N]	325

► TECHNICAL DATA

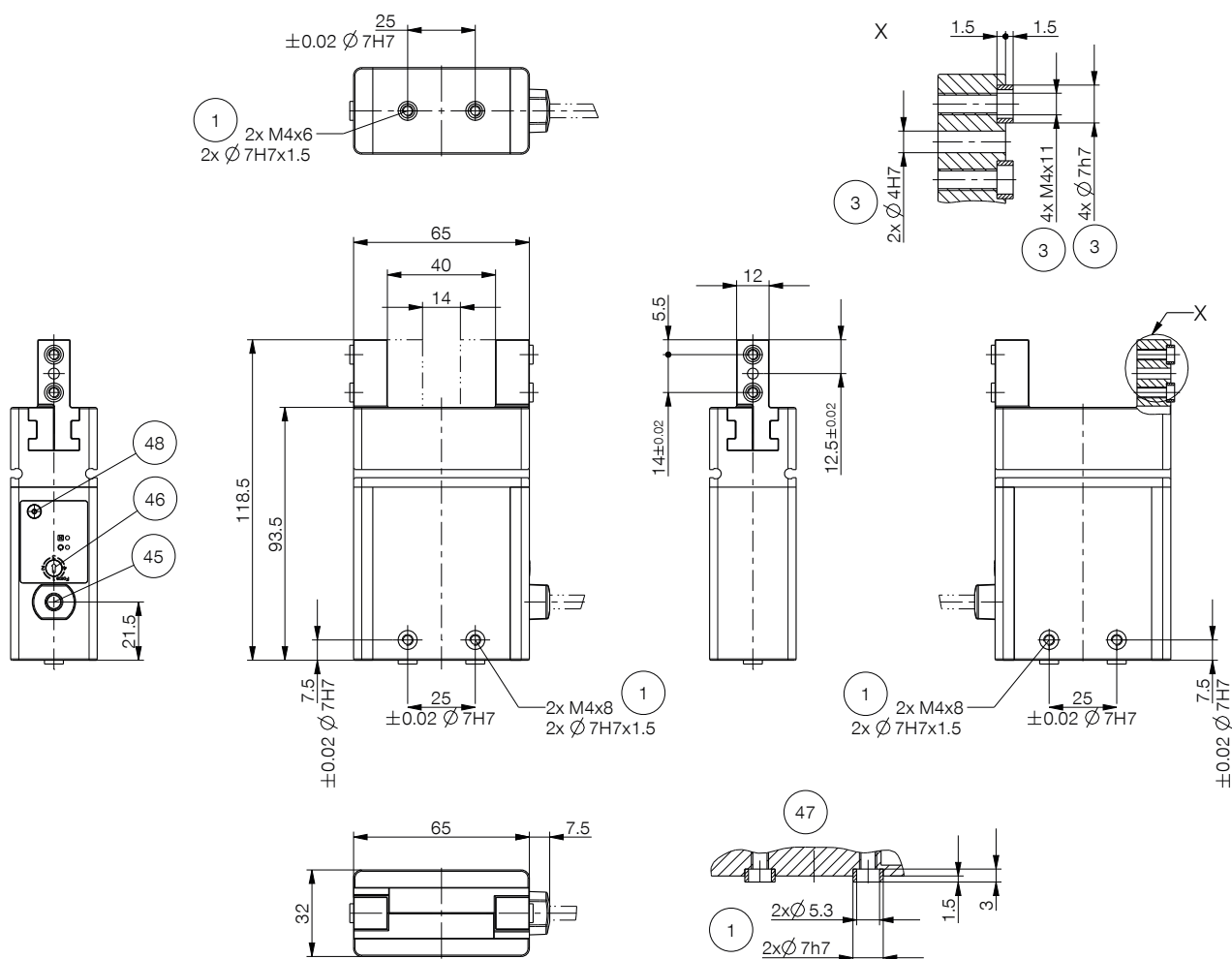
Order no.	► Technical data	
	GEP2013IO-12-B-01	GEP2013IO-12-B-04
Suitable for robot type	Universal Robots e-Series / Fanuc CRX	Universal Robots
Control	I/O	I/O
Position sensing analog 0 to 10 V	Yes	Yes
Stroke per jaw [mm]	13	13
Self locking mechanism	mechanical	mechanical
Dead weight of mounted gripper finger max. [kg]	0.15	0.15
Length of the gripper fingers max. [mm]	100	100
Minimum positioning path per jaw [mm]	0.5	0.5
Repetition accuracy +/- [mm]	0.02	0.02
Control time [s]	0.055	0.055
Voltage [V]	24	24
Current consumption max. [A]	2	2
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]	0.55	0.55

► TECHNICAL DATA OF THE FORCE LEVELS

Order no.	► Level 1	
	GEP2013IO-12-B-01	GEP2013IO-12-B-04
Gripping force level 1 [N]	90	90
Closing time / Opening time level 1 [s]	0.42 / 0.42	0.42 / 0.42
Order no.	► Level 2	
	GEP2013IO-12-B-01	GEP2013IO-12-B-04
Gripping force level 2 [N]	180	180
Closing time / Opening time level 2 [s]	0.32 / 0.32	0.32 / 0.32
Order no.	► Level 3	
	GEP2013IO-12-B-01	GEP2013IO-12-B-04
Gripping force level 3 [N]	270	270
Closing time / Opening time level 3 [s]	0.26 / 0.26	0.26 / 0.26
Order no.	► Level 4	
	GEP2013IO-12-B-01	GEP2013IO-12-B-04
Gripping force level 4 [N]	360	360
Closing time / Opening time level 4 [s]	0.23 / 0.23	0.23 / 0.23

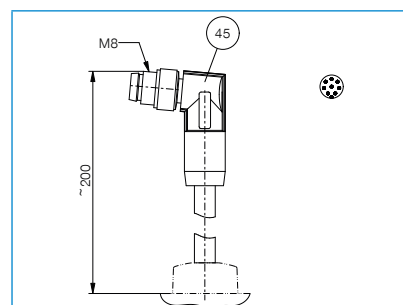
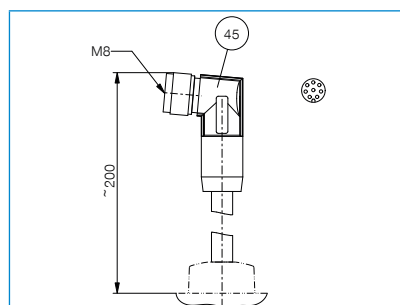
► TECHNICAL DRAWINGS

- ① Gripper attachment
- ③ Fixing for gripper finger
- ⑥ Integrated slot for magnetic field sensor
- ④5 Energy supply (M8, 8-pole)
- ④6 Force level setting
- ④7 Gripper mounting clamp
- ④8 Emergency release



GEP2013IO-12-B-01

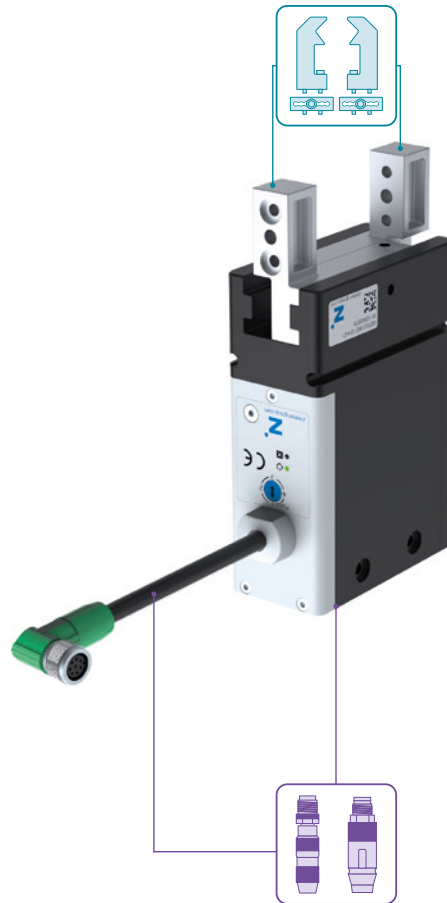
GEP2013IO-12-B-04



2-JAW PARALLEL GRIPPERS

INSTALLATION SIZE GEP2013

► ACCESORIES



► INCLUDED IN DELIVERY



6 [piece]
Centering Disc

390677

► RECOMMENDED ACCESSORY



CONNECTIONS / OTHER



APR000018
Adapter plate