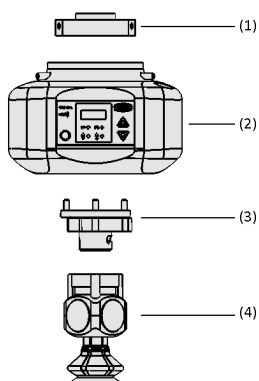


Handling Sets ECBPi



Handling Sets ECBPi



System design Handling Sets ECBPi



FXCB large-area gripping system for handling cardboard boxes

Suitability for industry specific applications

Application

- Ready-to-connect handling set for lightweight robots and cobots based on an intelligent, electrical vacuum generator
- Includes the vacuum generator, flange, gripper and connection cable
- Handling of airtight and slightly porous workpieces
- Integrated interface for controlling, regulating and monitoring the handling process

Design

- Flange adapter plate (1) for mechanical connection to the lightweight robot or cobot
- M12 8-pin plug connection as digital interface between the ECBPi (2) to the robot
- NFC interface for convenient data transfer via smartphone
- Flange for gripper connection (3)
- End effector VEE (4) with a replaceable suction cup
- Connection cable for electrical connection to the robot

Product highlights

- Set contains all components for the quick assembly of a gripper ready-to-connect
- Integrated ventilation valve for fast, precise placement of the workpiece during handling
- Process monitoring through connection via IO-Link or digital signals; condition monitoring to prevent errors
- NFC interface allows readout and parameterization via smartphone
- Energy efficient by adapting the power to the handling process by means of speed control



Handling Sets ECBPi

Designation code Handling Sets ECBPi

ROB-SET ECBPi	–	DOOSAN
1		2

1 – Abbreviated designation

Code	Version
ROB-SET ECBPi	Handling set ECBPi

2 – Compatibility

Code	Version
DOOSAN	Doosan Robotics
FANUC	Fanuc
FRUITCORE	Fruitcore Robotics
HANWHA	Hanwha
KASSOW	Kassow
KUKA	Kuka
MIT	Mitsubishi
OMRON	Omron
TECHMAN	Techman
UR	Universal Robots
YAS	Yaskawa
YUANDA	Yuanda Robotics

The handling set ECBPi is delivered unassembled. The delivery consists of:

- Electrical vacuum generator ECBPi
- Flange plate FLAN-PL
- Flange module VEE-QCM
- Vacuum end effector VEE
- Connection cable ASK-B
- USB stick with software (optional)

Available spare parts: electrical vacuum generator ECBPi, flange plate FLAN-PL, flange module VEE-QCM, vacuum end effector VEE, connection cable ASK-B

Available accessories: vacuum end effector VEE, starter set VEE SET-ECBPi

Ordering data Handling Sets ECBPi

Type	Part no.
ROB-SET ECBPi DOOSAN	10.03.01.00568
ROB-SET ECBPi FANUC	10.03.01.00505
ROB-SET ECBPi FANUC	10.03.01.00623
ROB-SET ECBPi KASSOW	10.03.01.00775
ROB-SET ECBPi KUKA	10.03.01.00506
ROB-SET ECBPi OMRON	10.03.01.00544
ROB-SET ECBPi TECHMAN	10.03.01.00538
ROB-SET ECBPi UR	10.03.01.00504
ROB-SET ECBPi YAS	10.03.01.00768
ROB-SET ECBPi YASKAWA	10.03.01.00509
ROB-SET VISION UR	10.03.01.00583

Handling Sets ECBPi

Ordering data Accessories Handling Sets ECBPi

Accessories		Part no.
RFBP 50 50 BA SPB2	Gripper, 50 x 50, foam	10.01.45.00096
RFBP 100 58 BA SPB2	Gripper, 100 x 58, suction cup	10.01.45.00091
RFBP 100 58 BA O10	Gripper, 100 x 58, foam	10.01.45.00092
RFBP 120 120 BA SPB2	Gripper, 120 x 120, suction cup	10.01.45.00085
RFBP 120 120 BA O10	Gripper, 120 x 120, foam	10.01.45.00086
VEE-FE 25.4x81.5	Flange extension by 50 mm	10.01.36.00130
VEE-FE 25.4x131.5	Flange extension by 100 mm	10.01.36.00109
VEE-FE 25.4x181.5	Flange extension by 150 mm	10.01.36.00128

Technical data Handling Sets ECBPi

Type	Suction rate (max.) [l/min]	Rated power [W]	Rated current [A]	Operating temperature
ROB-SET ECBPi DOOSAN	12	13	0.6	5 ... 45 °C
ROB-SET ECBPi FANUC	12	13	0.6	5 ... 45 °C
ROB-SET ECBPi KASSOW	12	13	0.6	5 ... 45 °C
ROB-SET ECBPi KUKA	12	13	0.6	5 ... 45 °C
ROB-SET ECBPi OMRON	12	-	-	0 ... 45 °C
ROB-SET ECBPi TECHMAN	12	-	-	0 ... 45 °C
ROB-SET ECBPi UR	12	13	0.6	5 ... 45 °C
ROB-SET ECBPi YAS	12	13	0.6	5 ... 45 °C
ROB-SET ECBPi YASKAWA	12	13	0.6	5 ... 45 °C
ROB-SET VISION UR	-	-	-	°C

Design data Handling Sets ECBPi

Type	D [mm]	H [mm]
ROB-SET ECBPi DOOSAN	151.5	188.8
ROB-SET ECBPi FANUC	151.5	188.8
ROB-SET ECBPi KASSOW	151.5	188.8
ROB-SET ECBPi KUKA	151.5	188.8
ROB-SET ECBPi OMRON	151.5	202.6
ROB-SET ECBPi TECHMAN	151.5	202.6
ROB-SET ECBPi UR	151.5	188.8
ROB-SET ECBPi YAS	151.5	188.8
ROB-SET ECBPi YASKAWA	151.5	205.2
ROB-SET VISION UR	151.5	331.0