

Handling Sets FXCB



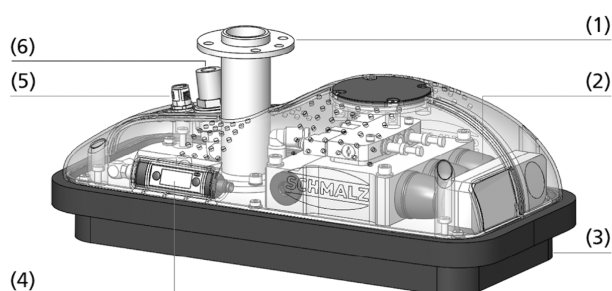
Suitability for industry specific applications

Application

- Ready-to-connect handling set for lightweight robots and cobots based on an intelligent and pneumatic area gripper
- Contains the area gripper and the required connection cable
- Low-weight handling set for handling workpieces in the area of intra-logistics
- Perfect for stationary handling tasks such as palletizing and de-palletizing cardboard boxes



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Design

- Modular gripper with 3D-printed housing
- Flange (1) for mechanical connection to the lightweight robot or cobot
- Integrated vacuum generation (2) through energysaving ejector modules SEP
- Flexible sealing foam with adhesive film or suction cups (3)
- Vacuum switch VSi (4) for system monitoring
- Compressed air connection (6) and electrical connection M12-8 (5) for connection cable

System design Handling Sets FXCB



Product highlights

- Set includes all components to build a ready-to-connect gripper
- NFC interface allows quick access to device data via smartphone
- High effective payload despite light, dynamic geometry thanks to additive manufacturing (3D printing)
- Communication via IO-Link enables easy integration and monitoring of the gripper in digital environments



Handling Sets FXCB

Designation code Handling Sets FXCB

ROB-SET FXCB	–	FANUC	–	O20
1		2		3

1 – Abbreviated designation

Code	Version
ROB-SET FXCB	Handling set FXCB

2 – Compatibility

Code	Version
ASSISTA	Mitsubishi Assista
DOOSAN	Doosan Robotics
FANUC	Fanuc
FRUITCORE	Fruitcore Robotics
HANWHA	Hanwha
OMRON	Omron
TECHMAN	Techman
UR	Universal Robots

3 – Sealing element

Code	Height/Diameter in mm
O20	Sealing foam (height = 20)
SPB2	Suction cup (Ø = 40)

The robot set FXCB is delivered unassembled. The delivery consists of:

- Area gripping system FXCB
- Flange module MOD-FLAN (optional)
- Connection cable ASK-B
- USB stick with software (optional)

Available spare parts: flange module MOD-FLAN (optional), connection cable ASK-B, front foil MASK-FOL, solenoid valve EMV, sealing plate DI-PL, silencer SD

Available accessories: vacuum / compressed air hose VSL

Ordering data Handling Sets FXCB

Type	Part no.
ROB-SET FXCB DOOSAN O20	10.01.43.00159
ROB-SET FXCB DOOSAN SPB2	10.01.43.00160
ROB-SET FXCB FANUC O20	10.01.43.00066
ROB-SET FXCB FANUC O20	10.01.43.00149
ROB-SET FXCB FANUC SPB2	10.01.43.00130
ROB-SET FXCB FANUC SPB2	10.01.43.00148
ROB-SET FXCB KASSOW O20	10.01.43.00186
ROB-SET FXCB KASSOW SPB2	10.01.43.00185
ROB-SET FXCB KUKA O20	10.01.43.00065
ROB-SET FXCB KUKA SPB2	10.01.43.00129
ROB-SET FXCB OMRON O20	10.01.43.00120
ROB-SET FXCB OMRON SPB2	10.01.43.00133
ROB-SET FXCB TECHMAN O20	10.01.43.00119
ROB-SET FXCB TECHMAN SPB2	10.01.43.00132
ROB-SET FXCB UR O20	10.01.43.00064
ROB-SET FXCB UR SPB2	10.01.43.00128
ROB-SET FXCB YASKAWA O20	10.01.43.00067
ROB-SET FXCB YASKAWA O20	10.01.43.00143
ROB-SET FXCB YASKAWA O20	10.01.43.00183
ROB-SET FXCB YASKAWA SPB2	10.01.43.00131
ROB-SET FXCB YASKAWA SPB2	10.01.43.00153
ROB-SET FXCB YASKAWA SPB2	10.01.43.00184

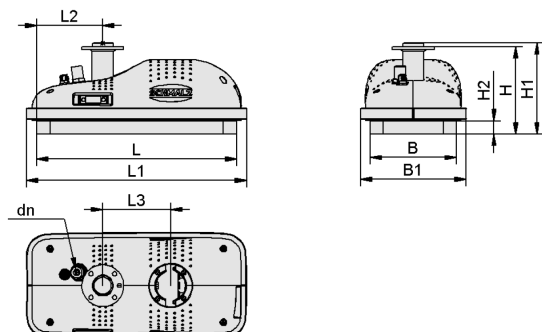
Handling Sets FXCB

Technical data Handling Sets FXCB

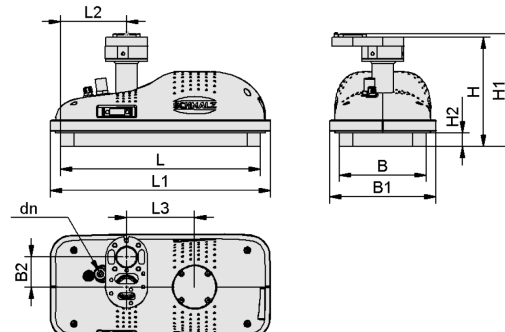
Type	Suction rate (max.) [l/min]	Material type	Number of suction cells	Lift capacity (vertical) [N]	Lift capacity (horizontal) [N]
ROB-SET FXCB DOOSAN O20	525.9	Foam O, Height 20 mm	45	80	350
ROB-SET FXCB DOOSAN SPB2	525.9	-	15	80	350
ROB-SET FXCB FANUC O20	525.9	Foam O, Height 20 mm	45	80	350
ROB-SET FXCB FANUC SPB2	525.9	-	15	80	350
ROB-SET FXCB KASSOW O20	525.9	Foam O, Height 20 mm	45	80	350
ROB-SET FXCB KASSOW SPB2	525.9	-	15	80	350
ROB-SET FXCB KUKA O20	525.9	Foam O, Height 20 mm	45	80	350
ROB-SET FXCB KUKA SPB2	525.9	-	15	80	350
ROB-SET FXCB OMRON O20	525.9	Foam O, Height 20 mm	45	80	350
ROB-SET FXCB OMRON SPB2	525.9	-	15	80	350
ROB-SET FXCB TECHMAN O20	525.9	Foam O, Height 20 mm	45	80	350
ROB-SET FXCB TECHMAN SPB2	525.9	-	15	80	350
ROB-SET FXCB UR O20	525.9	Foam O, Height 20 mm	45	80	350
ROB-SET FXCB UR SPB2	525.9	-	15	80	350
ROB-SET FXCB YASKAWA O20	525.9	Foam O, Height 20 mm	45	80	350
ROB-SET FXCB YASKAWA SPB2	525.9	-	15	80	350

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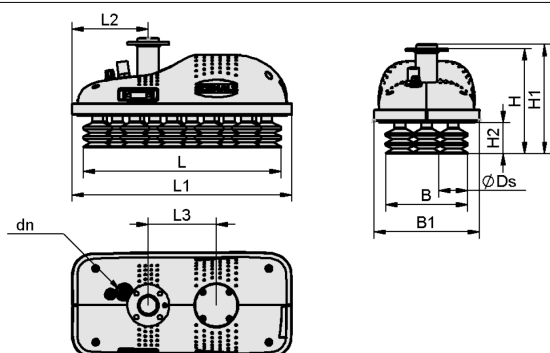
Design data Handling Sets FXCB



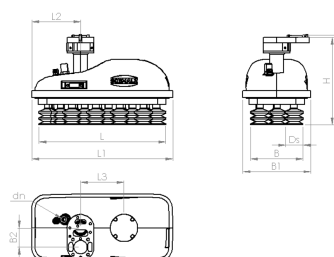
FXCB O20



FXCB Techman, Omron O20



FXCB SPB2



FXCB Techman, Omron SPB2

Handling Sets FXCB

Design data Handling Sets FXCB

Type	B [mm]	B1 [mm]	B2 [mm]	H [mm]	H1 [mm]	H2 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]
ROB-SET FXCB DOOSAN O20	130.0	159	-	131.4	137.4	20	300	331	99.0	102
ROB-SET FXCB DOOSAN SPB2	123.2	159	-	158.0	164.0	47	297	331	114.4	102
ROB-SET FXCB FANUC O20	130.0	159	-	131.4	137.4	20	300	331	99.0	102
ROB-SET FXCB FANUC SPB2	123.2	159	-	158.0	164.0	47	297	331	114.4	102
ROB-SET FXCB KASSOW O20	130.0	159	-	131.4	137.4	20	300	331	99.0	102
ROB-SET FXCB KASSOW SPB2	123.2	159	-	158.0	164.0	47	297	331	114.4	102
ROB-SET FXCB KUKA O20	130.0	159	-	131.4	137.4	20	300	331	99.0	102
ROB-SET FXCB KUKA SPB2	123.2	159	-	158.0	164.0	47	297	331	114.4	102
ROB-SET FXCB OMRON O20	130.0	159	-	131.4	137.4	20	300	331	99.0	102
ROB-SET FXCB OMRON SPB2	123.2	159	45	190.5	195.5	47	297	331	114.4	102
ROB-SET FXCB TECHMAN O20	130.0	159	45	163.9	168.9	20	300	331	99.0	102
ROB-SET FXCB TECHMAN SPB2	123.2	159	45	190.5	195.5	47	297	331	114.4	102
ROB-SET FXCB UR O20	130.0	159	-	131.4	137.4	20	300	331	99.0	102
ROB-SET FXCB UR SPB2	123.2	159	-	158.0	164.0	47	297	331	114.4	102
ROB-SET FXCB YASKAWA O20	130.0	159	-	131.4	137.4	20	300	331	99.0	102
ROB-SET FXCB YASKAWA SPB2	123.2	159	-	158.0	164.0	47	297	331	114.4	102