



NEW
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Area Gripping Systems FQE

Flexible. Fast. Efficient.

Applications

- Flexible handling of workpieces regardless of size and geometry from different pick-up positions
- Ideal for stationary handling tasks with collaborative robots as well as fully automated applications
- Typically used in pick & place applications or end-of-line packaging in intralogistics
- Sensitive handling of products in the automotive, glass or electronics industry



Weight from 165 g



Max. load up to 35 kg

Product Highlights

- Modular, configurable gripper for various applications
- Lightweight design according to ISO TS 15066 enables operation with collaborative robots and ensures a high effective load capacity
- Energy-efficient, integrated vacuum generation ensures low operating costs
- Integrated control valves reduce cycle times and interference contours
- Also available as ready-to-connect handling set with matching robot interfaces

Area Gripping Systems FQE

Flexible Gripper for a Variety of Applications



Design

- FQE-X with integrated, pneumatic vacuum generation (ejector modules ecoPump SEP) (1) or FQE-M for operation with external vacuum generator
- Silencer for minimum noise emission (2)
- Integrated control valves for suction and blow-off function (3)
- Robot flange (4)
- Optional vacuum switch VSi (5)

System design Area Gripping Systems FQE-X



Designation Code Area Gripping Systems FQE

FQE*	Xc	300x130	AB	24	A	3	E	2
Designation	Gripper type	Size	Sealing element	Flow resistance	Connection vacuum measurement	Connection blow-off	Connection compressed air	Control
FQE	Xb	120x60 mm	AA - Foam O10	22 - SW60	A - Manometer	2 - STV-GE-4	A - STV-GE-6	2 - NPN
	Xc	220x80 mm	AB - Foam O20	23 - SW80	B - VSi	3 - STV-W-4	B - STV-W-6	3 - PNP
	M	300x130 mm	...	24 - SW100	C - STV-GE-4	4 - VRS-SB	C - STV-GE-8	
			AN - Push-in suction cups	25 - SW120	D - STV-W-4		D - STV-W-8	
			AP - Screw-in suction cups	26 - SW130	E - VRS-SB		E - STV-GE-10	
			AQ - Screw-in suction cups F	27 - SW150			F - STV-W-10	

*The Area Gripping System FQE is available in the three sizes 120x60 mm, 220x80 mm and 300x130 mm and can be configured individually.



Technical Data Area Gripping Systems FQE

Type	Weight [g]	Number of suction cells	Grid [mm]	Max. load capacity** [N]
FQE-M-120x60 Foam	165	16	12x12	70
FQE-M-120x60 Suction Cups	185	10	16x16	70
FQE-X-120x60 Foam	310	16	12x12	70
FQE-X-120x60 Suction Cups	330	10	16x16	70
FQE-M-220x80 Foam	445	24	16x16	160
FQE-M-220x80 Suction Cups	485	22	17x17	160
FQE-X-220x80 Foam	810	24	16x16	160
FQE-X-220x80 Suction Cups	845	22	17x17	160
FQE-M-300x130 Foam	765	35	20x20	350
FQE-M-300x130 Suction Cups	865	59	17x17	350
FQE-X-300x130 Foam	1210	35	20x20	350
FQE-X-300x130 Suction Cups	1310	59	17x17	350

**Dependent on sealing element and vacuum level