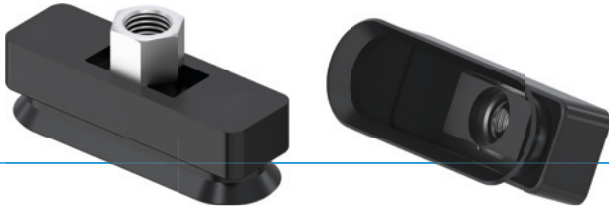


FLAT SUCTION CUP

SERIES ZOU

▶ PRODUCT ADVANTAGES



- ▶ **Dimensions:** 4x10 mm–20x60 mm
- ▶ **Optimum geometry**
 - For efficient handling even of the smallest workpieces
 - Can be used universally
- ▶ **Application areas**
 - Electronics
 - Metal

▶ PRODUCT KEY

		-	S	-	18F	-	F
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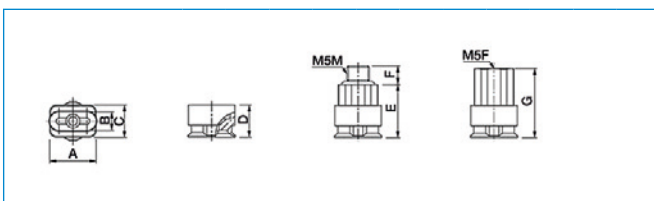
Series	Dimensions	Material	Fixing thread	Filter type
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▶ MATERIAL CHARACTERISTICS

Version	Material	Color	Operating temperature [°C]	Shore hardness
N	NBR	Black	-20 ... +110	60
S	Silicone	Red	-70 ... +200	55
WS	Silicone food-safe	Translucent white	-70 ... +200	55

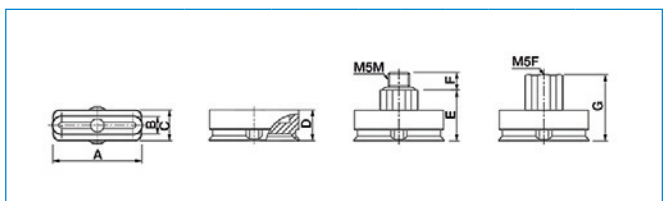
▶ DIMENSIONS

ZOU4X10



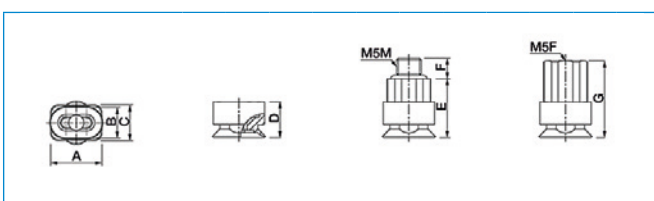
Legend	A	B	C	D	E	F	G
Dimensions [mm]	10	4	7	7	11.5	4	15

ZOU4X20



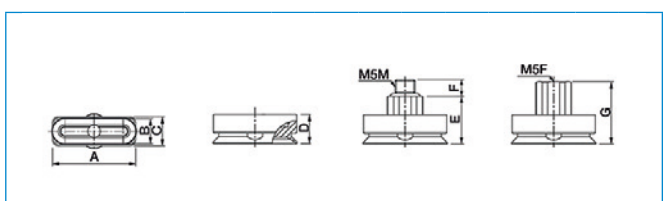
Legend	A	B	C	D	E	F	G
Dimensions [mm]	20	4	7	7	11.5	4	15

ZOU6X10



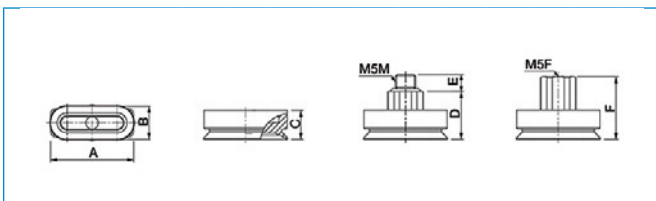
Legend	A	B	C	D	E	F	G
Dimensions [mm]	10	6	7	7	11.5	4	15

ZOU6X20



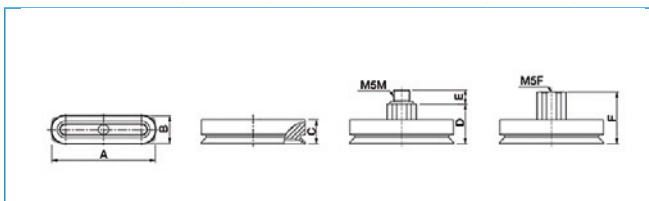
Legend	A	B	C	D	E	F	G
Dimensions [mm]	20	6	7	7	11.5	4	15

ZOU8X20



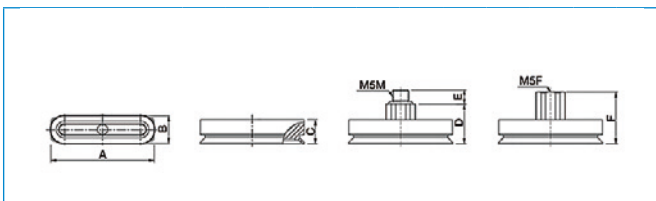
Legend	A	B	C	D	E	F
Dimensions [mm]	20	8	7	11.5	4	15

ZOU8X30



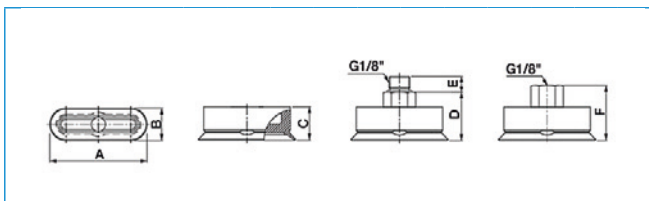
Legend	A	B	C	D	E	F
Dimensions [mm]	30	8	7	11.5	4	15

ZOU10X30



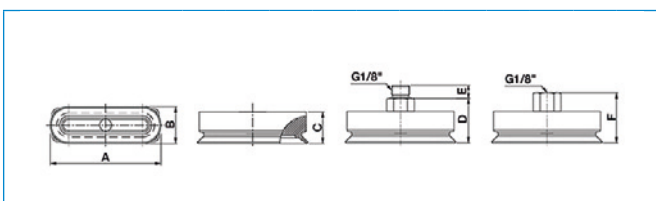
Legend	A	B	C	D	E	F
Dimensions [mm]	30	10	7.8	12.3	4	15.8

ZOU15X45



Legend	A	B	C	D	E	F
Dimensions [mm]	45	15	15.5	22.5	7	25.5

ZOU20X60



Legend	A	B	C	D	E	F
Dimensions [mm]	60	20	17.2	24.2	7	27.2

► TECHNICAL DATA

Installation size	ZOU4X10	ZOU4X20	ZOU6X10	ZOU6X20	ZOU8X20
Lifting force parallel at -20 kPa [kg]					
Lifting force parallel at -60 kPa [kg]					
Lifting force parallel -90 kPa [kg]					
Lifting force vertical at -20 kPa [kg]	0.190	0.240	0.210	0.310	0.380
Lifting force vertical at -60 kPa [kg]	0.300	0.480	0.390	0.640	0.830
Lifting force vertical at -90 kPa [kg]	0.350	0.600	0.490	0.800	1.210
Volume [cm³]	0.064	0.094	0.081	0.137	0.170

Installation size	ZOU8X30	ZOU10X30	ZOU15X45	ZOU20X60
Lifting force parallel at -20 kPa [kg]				
Lifting force parallel at -60 kPa [kg]				
Lifting force parallel -90 kPa [kg]				
Lifting force vertical at -20 kPa [kg]	0.520	0.620	1.060	1.930
Lifting force vertical at -60 kPa [kg]	1.210	1.420	2.880	5.100
Lifting force vertical at -90 kPa [kg]	1.660	2.050	4.220	7.650
Volume [cm³]	0.250	0.394	1.584	3.532

► Technical data				
Order no.	Dimensions [mm]	Material	Fixing thread	Filter type
ZOU4X10-N	4x10	NBR		
ZOU4X10-N-M5F	4x10	NBR	M5 internal	
ZOU4X10-N-M5M	4x10	NBR	M5 external	
ZOU4X10-S	4x10	Silicone		
ZOU4X10-S-M5F	4x10	Silicone	M5 internal	

FLAT SUCTION CUP

SERIES ZOU

Order no.	► Technical data			
	Dimensions [mm]	Material	Fixing thread	Filter type
ZOU4X10-S-M5M	4x10	Silicone	M5 external	
ZOU4X10-WS	4x10	Silicone food-safe		
ZOU4X10-WS-M5F	4x10	Silicone food-safe	M5 internal	
ZOU4X10-WS-M5M	4x10	Silicone food-safe	M5 external	
ZOU4X20-N	4x20	NBR		
ZOU4X20-N-M5F	4x20	NBR	M5 internal	
ZOU4X20-N-M5M	4x20	NBR	M5 external	
ZOU4X20-S	4x20	Silicone		
ZOU4X20-S-M5F	4x20	Silicone	M5 internal	
ZOU4X20-S-M5M	4x20	Silicone	M5 external	
ZOU4X20-WS	4x20	Silicone food-safe		
ZOU4X20-WS-M5M	4x20	Silicone food-safe	M5 external	
ZOU6X10-N	6x10	NBR		
ZOU6X10-N-M5F	6x10	NBR	M5 internal	
ZOU6X10-N-M5M	6x10	NBR	M5 external	
ZOU6X10-S	6x10	Silicone		
ZOU6X10-S-M5F	6x10	Silicone	M5 internal	
ZOU6X10-S-M5M	6x10	Silicone	M5 external	
ZOU6X10-WS	6x10	Silicone food-safe		
ZOU6X10-WS-M5F	6x10	Silicone food-safe	M5 internal	
ZOU6X10-WS-M5M	6x10	Silicone food-safe	M5 external	
ZOU6X20-N	6x20	NBR		
ZOU6X20-N-M5F	6x20	NBR	M5 internal	
ZOU6X20-N-M5M	6x20	NBR	M5 external	
ZOU6X20-S	6x20	Silicone		
ZOU6X20-S-M5F	6x20	Silicone	M5 internal	
ZOU6X20-S-M5M	6x20	Silicone	M5 external	
ZOU6X20-WS	6x20	Silicone food-safe		
ZOU6X20-WS-M5F	6x20	Silicone food-safe	M5 internal	
ZOU6X20-WS-M5M	6x20	Silicone food-safe	M5 external	
ZOU8X20-N	8x20	NBR		
ZOU8X20-N-M5F	8x20	NBR	M5 internal	
ZOU8X20-N-M5M	8x20	NBR	M5 external	
ZOU8X20-S	8x20	Silicone		
ZOU8X20-S-M5F	8x20	Silicone	M5 internal	
ZOU8X20-S-M5M	8x20	Silicone	M5 external	
ZOU8X20-WS-M5F	8x20	Silicone food-safe	M5 internal	
ZOU8X20-WS-M5M	8x20	Silicone food-safe	M5 external	
ZOU8X30-N	8x30	NBR		
ZOU8X30-N-M5F	8x30	NBR	M5 internal	
ZOU8X30-N-M5M	8x30	NBR	M5 external	
ZOU8X30-S	8x30	Silicone		
ZOU8X30-S-M5F	8x30	Silicone	M5 internal	
ZOU8X30-S-M5M	8x30	Silicone	M5 external	
ZOU8X30-WS	8x30	Silicone food-safe		
ZOU8X30-WS-M5F	8x30	Silicone food-safe	M5 internal	
ZOU10X30-N	10x30	NBR		
ZOU10X30-N-M5F	10x30	NBR	M5 internal	
ZOU10X30-N-M5M	10x30	NBR	M5 external	
ZOU10X30-S	10x30	Silicone		
ZOU10X30-S-M5F	10x30	Silicone	M5 internal	
ZOU10X30-S-M5M	10x30	Silicone	M5 external	
ZOU10X30-WS	10x30	Silicone food-safe		
ZOU10X30-WS-M5F	10x30	Silicone food-safe	M5 internal	
ZOU10X30-WS-M5M	10x30	Silicone food-safe	M5 external	
ZOU15X45-N	15x45	NBR		
ZOU15X45-N-18F	15x45	NBR	G1/8" internal	
ZOU15X45-N-18M	15x45	NBR	G1/8" external	
ZOU15X45-S	15x45	Silicone		
ZOU15X45-S-18F	15x45	Silicone	G1/8" internal	

Order no.	► Technical data			
	Dimensions [mm]	Material	Fixing thread	Filter type
ZOU15X45-S-18M	15x45	Silicone	G1/8" external	
ZOU15X45-WS	15x45	Silicone food-safe		
ZOU15X45-WS-18F	15x45	Silicone food-safe	G1/8" internal	
ZOU20X60-N	20x60	NBR		
ZOU20X60-N-18F	20x60	NBR	G1/8" internal	
ZOU20X60-N-18F-M	20x60	NBR	G1/8" internal	Mesh filter
ZOU20X60-N-18M	20x60	NBR	G1/8" external	
ZOU20X60-S	20x60	Silicone		
ZOU20X60-S-18F	20x60	Silicone	G1/8" internal	
ZOU20X60-S-18M	20x60	Silicone	G1/8" external	