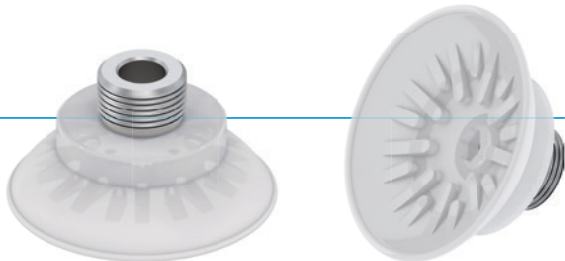


BELL-SHAPED SUCTION CUP

SERIES ZFC

► PRODUCT ADVANTAGES



► Optimum geometry

- For convex surfaces
- Efficient handling of sheet metal, car body panels and glass
- Profile structure on the underside of the suction cup for increased friction between the workpiece and vacuum suction cup

► Application areas

- Automotive
- Metal
- Glass

► PRODUCT KEY

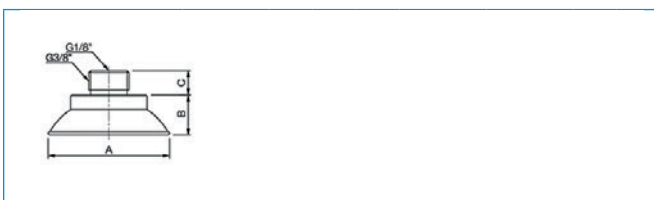
ZFC	90	-	PU	-	12F	-	M
Series	Diameter		Material		Fixing thread		Filter type

► MATERIAL CHARACTERISTICS

Version	Material	Color	Operating temperature [°C]	Shore hardness
N	NBR	Black	-20 ... +110	60
PU	Polyurethane	Translucent orange	0 ... +60	60
S	Silicone	Red	-70 ... +200	55
WS	Silicone food-safe	Translucent white	-70 ... +200	55

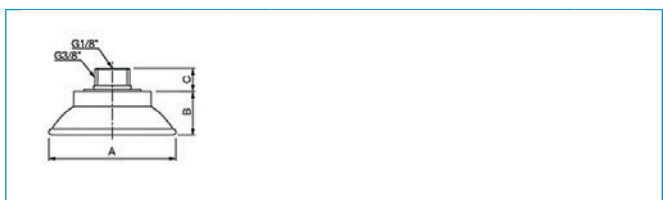
► DIMENSIONS

ZFC50



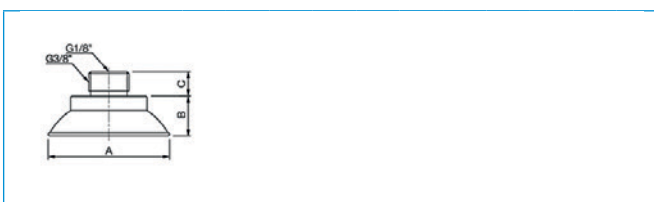
Legend	A	B	C
Dimensions [mm]	50	16.5	10

ZFC60



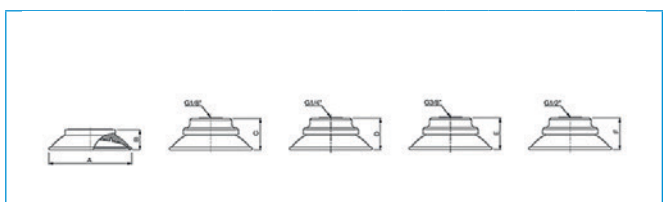
Legend	A	B	C
Dimensions [mm]	60	20.6	10.9

ZFC75



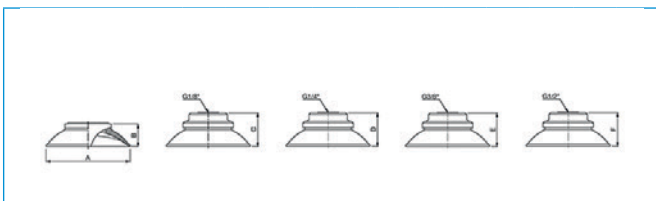
Legend	A	B	C
Dimensions [mm]	75	21	11

ZFC90



Legend	A	B	C	D	E	F
Dimensions [mm]	90	22	34.5	34.5	34.5	34.5

ZFC100



Legend	A	B	C	D	E	F
Dimensions [mm]	100	27	40	40	40	40

► TECHNICAL DATA

Installation size	ZFC50	ZFC60	ZFC75	ZFC90	ZFC100
Lifting force parallel at -20 kPa [N]	25.6	29.92	60.72	93.39	120.07
Lifting force parallel at -60 kPa [N]	62.2	77.7	151.66	211.8	235.15
Lifting force parallel at -90 kPa [N]	80.44	104.97	205.03	273.6	280.27
Lifting force vertical at -20 kPa [N]	27.96	44.64	75.05	96.14	125.08
Lifting force vertical at -60 kPa [N]	68.08	113.5	190.12	243.48	350.32
Lifting force vertical at -90 kPa [N]	100.06	150.09	250.25	320.3	460.38
Lifting force parallel at -20 kPa [kg]	2.610	3.050	6.190	9.520	12.240
Lifting force parallel at -60 kPa [kg]	6.340	7.920	15.460	21.590	23.970
Lifting force parallel at -90 kPa [kg]	8.200	10.700	20.900	27.890	28.570
Lifting force vertical at -20 kPa [kg]	2.850	4.550	7.650	9.800	12.750
Lifting force vertical at -60 kPa [kg]	6.940	11.570	19.380	24.820	35.710
Lifting force vertical at -90 kPa [kg]	10.200	15.300	25.510	32.650	46.930
Volume [cm³]	10.000	20.000	30.000	60.000	80.000

► Technical data

Order no.	Diameter [mm]	Material	Fixing thread	Filter type
ZFC50-N-18F38M	50	NBR	G1/8" internal - G3/8" external	
ZFC50-PU-18F38M	50	Polyurethane	G1/8" internal - G3/8" external	
ZFC50-S-18F38M	50	Silicone	G1/8" internal - G3/8" external	
ZFC50-WS-18F38M	50	Silicone food-safe	G1/8" internal - G3/8" external	
ZFC60-N-18F38M	60	NBR	G1/8" internal - G3/8" external	
ZFC60-PU-18F38M	60	Polyurethane	G1/8" internal - G3/8" external	
ZFC60-S-18F38M	60	Silicone	G1/8" internal - G3/8" external	
ZFC60-WS-18F38M	60	Silicone food-safe	G1/8" internal - G3/8" external	
ZFC60X1-N-M10M	60	NBR	M10 external	
ZFC60X1-PU-M10M	60	Polyurethane	M10 external	
ZFC60X1-S-M10M	60	Silicone	M10 external	
ZFC75-N-18F38M	75	NBR	G1/8" internal - G3/8" external	
ZFC75-PU-18F38M	75	Polyurethane	G1/8" internal - G3/8" external	
ZFC75-S-18F38M	75	Silicone	G1/8" internal - G3/8" external	
ZFC75-WS-18F38M	75	Silicone food-safe	G1/8" internal - G3/8" external	
ZFC75X1-N-M10M	75	NBR	M10 external	
ZFC75X1-S-M10M	75	Silicone	M10 external	
ZFC75X2-N-M16M	75	NBR	M16 external	
ZFC75X2-S-M16M	75	Silicone	M16 external	
ZFC90-PU	90	Polyurethane		
ZFC90-PU-12F	90	Polyurethane	G1/2" internal	
ZFC90-PU-12F-M	90	Polyurethane	G1/2" internal	Mesh filter
ZFC90-PU-14F	90	Polyurethane	G1/4" internal	
ZFC90-PU-18F	90	Polyurethane	G1/8" internal	
ZFC90-PU-38F	90	Polyurethane	G3/8" internal	
ZFC90-PU-38F-M	90	Polyurethane	G3/8" internal	Mesh filter
ZFC100-N	100	NBR		
ZFC100-N-12F	100	NBR	G1/2" internal	
ZFC100-N-12F-M	100	NBR	G1/2" internal	Mesh filter
ZFC100-N-14F	100	NBR	G1/4" internal	
ZFC100-N-14F-M	100	NBR	G1/4" internal	Mesh filter

BELL-SHAPED SUCTION CUP

SERIES ZFC

Order no.	► Technical data			
	Diameter [mm]	Material	Fixing thread	Filter type
ZFC100-N-18F	100	NBR	G1/8" internal	
ZFC100-N-18F-M	100	NBR	G1/8" internal	Mesh filter
ZFC100-N-38F	100	NBR	G3/8" internal	
ZFC100-PU	100	Polyurethane		
ZFC100-PU-12F	100	Polyurethane	G1/2" internal	
ZFC100-PU-14F	100	Polyurethane	G1/4" internal	
ZFC100-PU-18F	100	Polyurethane	G1/8" internal	
ZFC100-PU-18F-M	100	Polyurethane	G1/8" internal	Mesh filter
ZFC100-PU-38F	100	Polyurethane	G3/8" internal	
ZFC100-PU-38F-M	100	Polyurethane	G3/8" internal	Mesh filter
ZFC100-S	100	Silicone		
ZFC100-S-12F	100	Silicone	G1/2" internal	
ZFC100-S-12F-M	100	Silicone	G1/2" internal	Mesh filter
ZFC100-S-14F	100	Silicone	G1/4" internal	
ZFC100-S-18F	100	Silicone	G1/8" internal	
ZFC100-S-18F-M	100	Silicone	G1/8" internal	Mesh filter
ZFC100-S-38F	100	Silicone	G3/8" internal	
ZFC100-WS	100	Silicone food-safe		
ZFC100-WS-18F	100	Silicone food-safe	G1/8" internal	