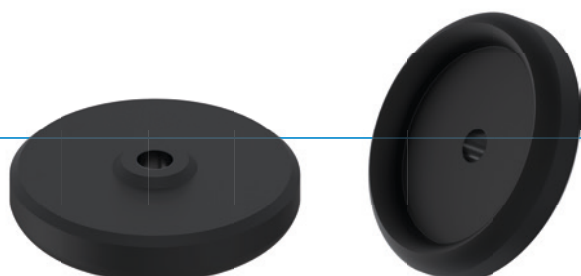


SEALING FOAM SUCTION CUP

SERIES ZS

▶ PRODUCT ADVANTAGES



▶ Optimum geometry

- For handling rough, uneven and highly structured surfaces
- Seal edge made of highly compliant EPDM material

▶ Application areas

- Glass
- Wood and composite materials
- Metal

▶ PRODUCT KEY

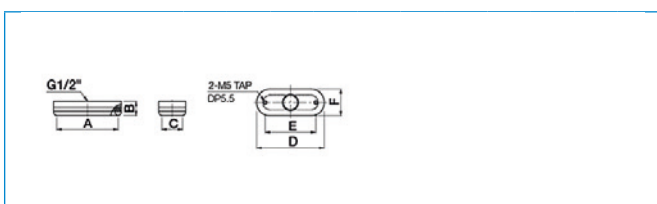
ZS	35	-	E	-	18F	-	F
Series	Diameter		Material		Fixing thread		Filter type

▶ MATERIAL CHARACTERISTICS

Version	Material	Color	Operating temperature [°C]	Shore hardness
E	EPDM	Black	0 ... +150	40

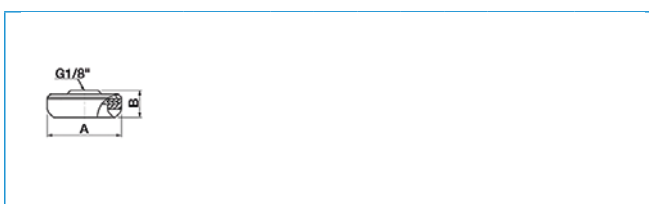
▶ DIMENSIONS

ZS30X80



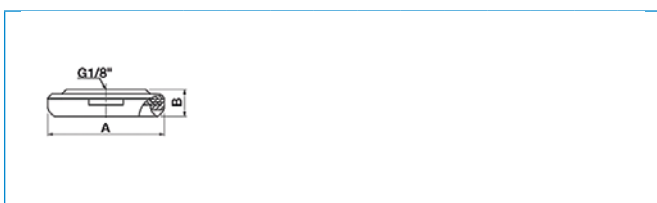
Legend	A	B	C	D	E	F
Dimensions [mm]	80.5	19	28	88	66	35

ZS35



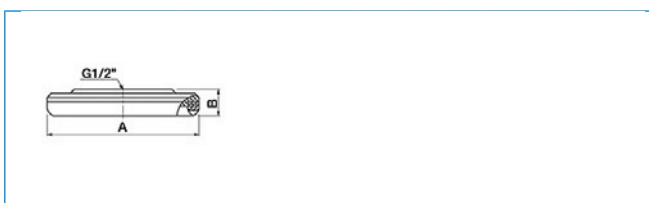
Legend	A	B
Dimensions [mm]	43	15.5

ZS60

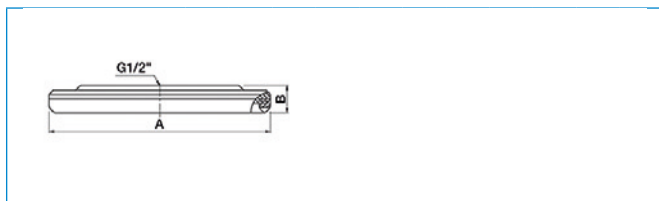


Legend	A	B
Dimensions [mm]	67.5	15.5

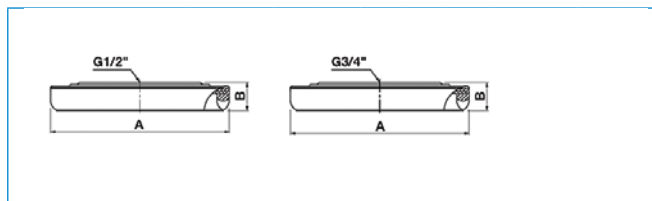
ZS100



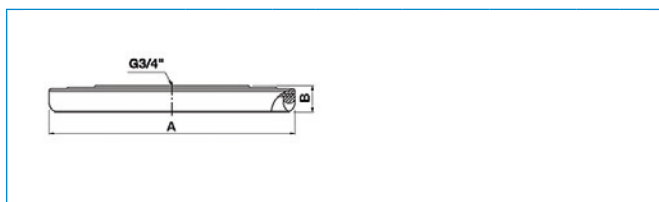
Legend	A	B
Dimensions [mm]	108	18.7

ZS150

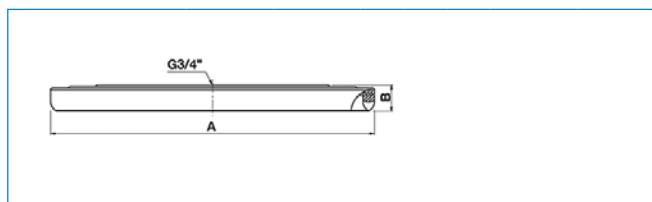
Legend	A	B
Dimensions [mm]	157.5	19.5

ZS200

Legend	A	B
Dimensions [mm]	215	34

ZS300

Legend	A	B
Dimensions [mm]	315	34

ZS400

Legend	A	B
Dimensions [mm]	415	34

TECHNICAL DATA

Installation size	ZS30X80	ZS35	ZS60	ZS100	ZS150	ZS200	ZS300	ZS400
Lifting force parallel at -20 kPa [N]								
Lifting force parallel at -60 kPa [N]								
Lifting force parallel at -90 kPa [N]								
Lifting force vertical at -20 kPa [N]	26.49	20.01	60.04	180.11	372.78	750.76	1601.58	3198.06
Lifting force vertical at -60 kPa [N]	89.27	50.03	150.09	450.28	951.57	1901.86	4304.33	8593.56
Lifting force vertical at -90 kPa [N]	137.34	70.04	220.14	660.61	1353.78	2702.75	6406.52	
Lifting force parallel at -20 kPa [kg]								
Lifting force parallel at -60 kPa [kg]								
Lifting force parallel at -90 kPa [kg]								
Lifting force vertical at -20 kPa [kg]	2.700	2.040	6.120	18.360	38.000	76.530	163.260	326.000
Lifting force vertical at -60 kPa [kg]	9.100	5.100	15.300	45.900	97.000	193.870	438.770	876.000
Lifting force vertical at -90 kPa [kg]	14.000	7.140	22.440	67.340	138.000	275.510	653.060	
Volume [cm³]	43.000	6.000	20.000	55.000	125.000	543.000		

Technical data

Order no.	Dimensions [mm]	Diameter [mm]	Material	Fixing thread	Filter type
ZS30X80-E	30x80		EPDM		
ZS30X80-E-12F	30x80		EPDM	G1/2" internal	
ZS30X80-E-18F	30x80		EPDM	G1/8" internal	
ZS35-E		35	EPDM		
ZS35-E-18F		35	EPDM	G1/8" internal	
ZS35-E-18F-F		35	EPDM	G1/8" internal	Disc filter
ZS60-E		60	EPDM		
ZS60-E-18F		60	EPDM	G1/8" internal	
ZS60-E-18F-F		60	EPDM	G1/8" internal	Disc filter
ZS100-E		100	EPDM		
ZS100-E-12F		100	EPDM	G1/2" internal	
ZS100-E-12F-F		100	EPDM	G1/2" internal	Disc filter
ZS150-E		150	EPDM		
ZS150-E-12F		150	EPDM	G1/2" internal	
ZS150-E-12F-F		150	EPDM	G1/2" internal	Disc filter
ZS200-E		200	EPDM		
ZS200-E-12F		200	EPDM	G1/2" internal	
ZS200-E-34F		200	EPDM	G3/4" internal	
ZS300-E		300	EPDM		

SEALING FOAM SUCTION CUP

SERIES ZS

Order no.	► Technical data				
	Dimensions [mm]	Diameter [mm]	Material	Fixing thread	Filter type
ZS300-E-34F		300	EPDM	G3/4" internal	
ZS400-E		400	EPDM		
ZS400-E-34F		400	EPDM	G3/4" internal	