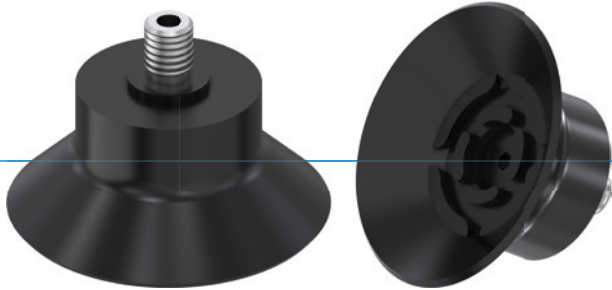


BELL-SHAPED SUCTION CUP

SERIES ZD

▶ PRODUCT ADVANTAGES



- ▶ **Diameter: 30 mm–90 mm**
- ▶ **Optimum geometry**
 - For irregular and convex surfaces
 - Safe handling of the workpiece without vibration or shaking
- ▶ **Application areas**
 - Metal
 - Wood and composite materials
 - Intralogistics

▶ PRODUCT KEY

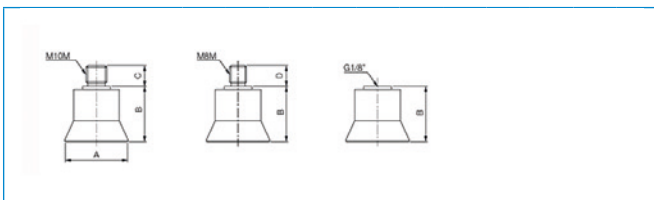
ZD	30	-	N	-	18F
Series	Diameter		Material		Fixing thread

▶ MATERIAL CHARACTERISTICS

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

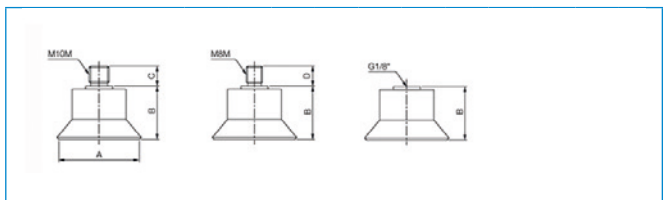
▶ DIMENSIONS

ZD30



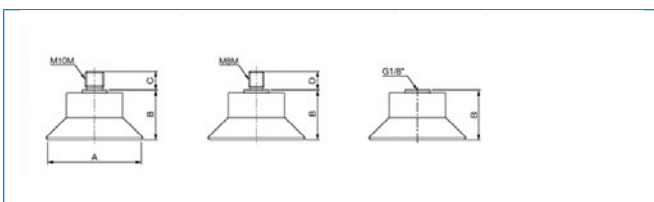
Legend	A	B	C	D
Dimensions [mm]	30	26.5	10	10

ZD40



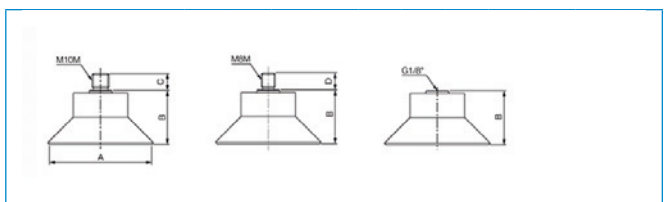
Legend	A	B	C	D
Dimensions [mm]	40	26.5	10	10

ZD50



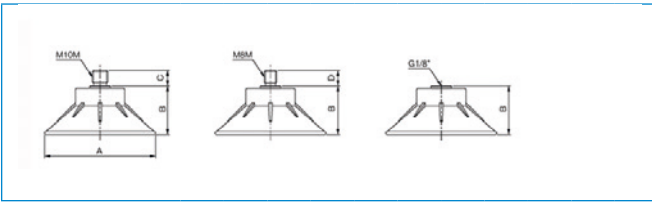
Legend	A	B	C	D
Dimensions [mm]	50	26.5	10	10

ZD60



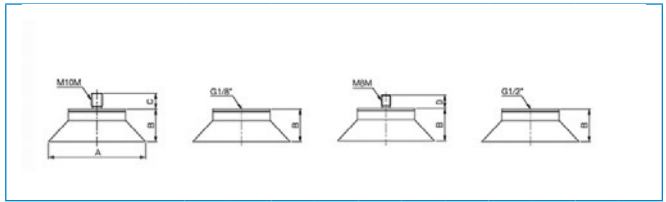
Legend	A	B	C	D
Dimensions [mm]	60	31.5	10	10

ZD70



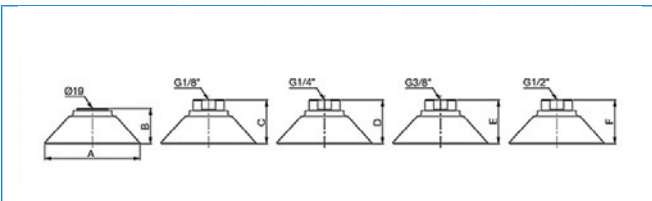
Legend	A	B	C	D
Dimensions [mm]	72	31.5	10	10

ZD85



Legend	A	B	C	D
Dimensions [mm]	85	28.8	13.7	11.6

ZD90



Legend	A	B	C	D	E	F
Dimensions [mm]	89.5	33	41	41	41	41

▶ TECHNICAL DATA

Installation size	ZD30	ZD40	ZD50	ZD60	ZD70	ZD85	ZD85	ZD90
Lifting force parallel at -20 kPa [kg]	0.730	1.220	2.140	3.300	4.200	6.000	6.000	7.970
Lifting force parallel at -60 kPa [kg]	1.530	2.380	4.460	8.400	11.600	16.800	16.800	14.420
Lifting force parallel -90 kPa [kg]	1.830	3.000	5.620	11.100	16.200	23.400	23.400	18.150
Lifting force vertical at -20 kPa [kg]	1.220	2.040	3.570	5.500	7.150	10.000	10.000	9.250
Lifting force vertical at -60 kPa [kg]	2.550	3.970	7.440	14.000	18.800	28.000	28.000	24.360
Lifting force vertical at -90 kPa [kg]	3.060	5.000	9.380	18.500	24.900	39.000	39.000	32.170
Volume [cm³]	4.500	7.000	13.500	22.000	38.000	60.000	68.000	56.000

▶ Technical data

Order no.	Diameter [mm]	Material	Fixing thread
ZD30-N-18F	30	NBR	G1/8" internal
ZD30-N-M10M	30	NBR	M10 external
ZD30-N-M8M	30	NBR	M8 external
ZD30-PU-18F	30	Polyurethan	G1/8" internal
ZD30-PU-M10M	30	Polyurethan	M10 external
ZD30-PU-M8M	30	Polyurethan	M8 external
ZD30-S-18F	30	Silicone	G1/8" internal
ZD30-S-M10M	30	Silicone	M10 external
ZD30-S-M8M	30	Silicone	M8 external
ZD30-WS-18F	30	Silicone food-safe	G1/8" internal
ZD30-WS-M10M	30	Silicone food-safe	M10 external
ZD30-WS-M8M	30	Silicone food-safe	M8 external
ZD40-N-18F	40	NBR	G1/8" internal
ZD40-N-M10M	40	NBR	M10 external
ZD40-N-M8M	40	NBR	M8 external
ZD40-PU-18F	40	Polyurethan	G1/8" internal
ZD40-PU-M10M	40	Polyurethan	M10 external
ZD40-PU-M8M	40	Polyurethan	M8 external
ZD40-S-18F	40	Silicone	G1/8" internal
ZD40-S-M10M	40	Silicone	M10 external
ZD40-S-M8M	40	Silicone	M8 external
ZD40-WS-M10M	40	Silicone food-safe	M10 external
ZD40-WS-M8M	40	Silicone food-safe	M8 external
ZD50-N-18F	50	NBR	G1/8" internal
ZD50-N-M10M	50	NBR	M10 external

BELL-SHAPED SUCTION CUP

SERIES ZD

Order no.	► Technical data		
	Diameter [mm]	Material	Fixing thread
ZD50-N-M8M	50	NBR	M8 external
ZD50-PU-18F	50	Polyurethan	G1/8" internal
ZD50-PU-M10M	50	Polyurethan	M10 external
ZD50-PU-M8M	50	Polyurethan	M8 external
ZD50-S-18F	50	Silicone	G1/8" internal
ZD50-S-M10M	50	Silicone	M10 external
ZD50-S-M8M	50	Silicone	M8 external
ZD50-WS-18F	50	Silicone food-safe	G1/8" internal
ZD50-WS-M10M	50	Silicone food-safe	M10 external
ZD50-WS-M8M	50	Silicone food-safe	M8 external
ZD60-N-18F	60	NBR	G1/8" internal
ZD60-N-M10M	60	NBR	M10 external
ZD60-N-M8M	60	NBR	M8 external
ZD60-PU-18F	60	Polyurethan	G1/8" internal
ZD60-PU-M10M	60	Polyurethan	M10 external
ZD60-PU-M8M	60	Polyurethan	M8 external
ZD60-S-18F	60	Silicone	G1/8" internal
ZD60-S-M10M	60	Silicone	M10 external
ZD60-S-M8M	60	Silicone	M8 external
ZD60-WS-18F	60	Silicone food-safe	G1/8" internal
ZD60-WS-M10M	60	Silicone food-safe	M10 external
ZD60-WS-M8M	60	Silicone food-safe	M8 external
ZD70-PU-18F	70	Polyurethan	G1/8" internal
ZD70-PU-M10M	70	Polyurethan	M10 external
ZD70-PU-M8M	70	Polyurethan	M8 external
ZD85-N-12F	85	NBR	G1/2" internal
ZD85-N-18F	85	NBR	G1/8" internal
ZD85-N-M10M	85	NBR	M10 external
ZD85-N-M8M	85	NBR	M8 external
ZD85-S-12F	85	Silicone	G1/2" internal
ZD85-S-18F	85	Silicone	G1/8" internal
ZD90F-PU-12F	90	Polyurethan	G1/2" internal
ZD90F-PU-14F	90	Polyurethan	G1/4" internal
ZD90F-PU-18F	90	Polyurethan	G1/8" internal
ZD90F-PU-38F	90	Polyurethan	G3/8" internal