

KSG series



KSG series products, Kenos® Sack Gripper, are suitable to handle sacks with different shapes, weights and materials. The specific knowhow in this segment, has driven us to develop systems dedicated to all the different applications of this industry. The integrated and modular vacuum generation makes the KSG flexible and reliable. The version for external vacuum generator is available. We have version for palletisation or de-palletization.

LIFTING FORCES

We can calculate the force generated by the gripping area for the vacuum value, but considering that the gripper handles bags and not rigid surfaces or pieces, these values could lead to a wrong selection of the product.

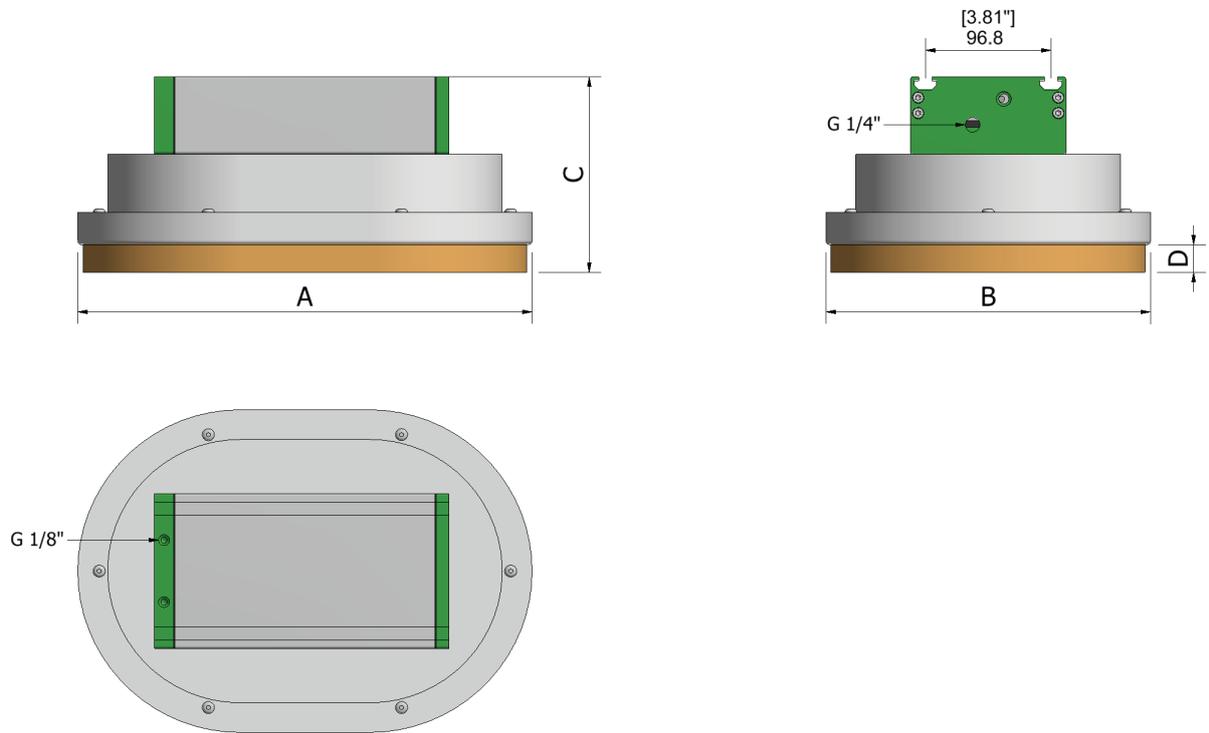
These types of grippers are designed to handle from 25 to 50 kg bags and the selection is made through the size of the bag and not on the basis of the gripping force.

VACUUM FLOW

Air consumption/vacuum flow data related to number of COAX® ejectors.

COAX® Cartridge	Feed pressure MPa	Air consumption NI/s	Vacuum flow (NI/s) at different vacuum levels (-kPa)										Max vacuum -kPa
			0	10	20	30	40	50	60	70	80	90	
MIDI Si32-3 x2	0.6	3.5	12	7	5.2	3.4	1.8	1.2	1	0.7	—	—	75
MIDI Si32-3 x3	0.6	5.25	18	10.5	7.8	5.1	2.7	1.8	1.5	1.1	—	—	75
MIDI Si32-3 x4	0.6	7	24	14	10.4	6.8	3.6	2.4	2	1.4	—	—	75

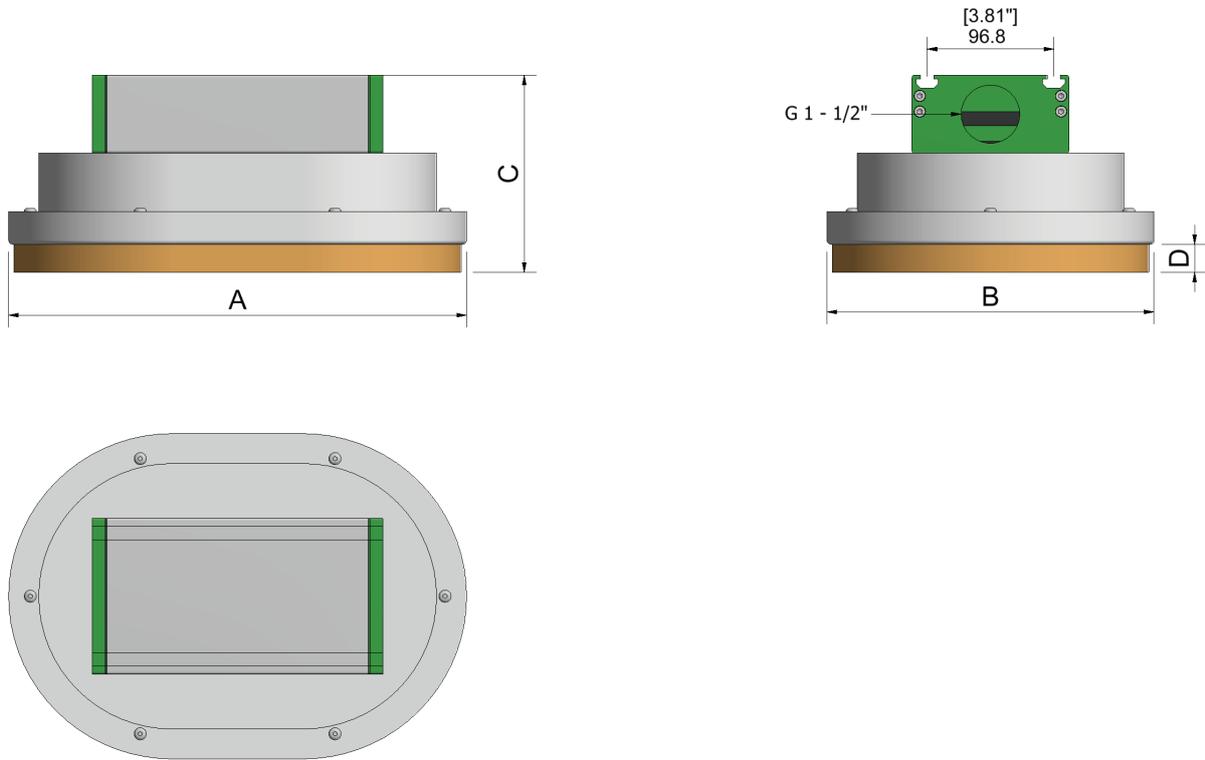
DIMENSIONS FOR KSG WITH EJECTOR



Type	A (mm)	B (mm)	C (mm)	D* (mm)	Weight (kg)
KSG-E-260-180	260	180	151.5	21.5	3.6
KSG-E-310-210	310	210	151.5	21.5	4.1
KSG-E-350-250	350	250	151.5	21.5	4.7
KSG-E-400-250	400	250	151.5	21.5	5.1

*the value "D" is based on sealing ring G1. For metallic ring (G3) the value "D" is 5 mm.

DIMENSIONS FOR KSG WITH BLOWER



Type	A (mm)	B (mm)	C (mm)	D* (mm)	Weight (kg)
KSG-E-260-180	260	180	151.5	21.5	3.1
KSG-E-310-210	310	210	151.5	21.5	3.6
KSG-E-350-250	350	250	151.5	21.5	4.2
KSG-E-400-250	400	250	151.5	21.5	4.6

*the value "D" is based on sealing ring G1. For metallic ring (G3) the value "D" is 5 mm.

SEALING RINGS



Metal ring (G3)



NR Sealing ring (G1)

A big advantage of the metal sealing ring is wear resistance. The sealing capacity is less compared with G1 type. For this reason, we recommend to combine with a blower.

The NR sealing ring is suitable for all kinds of sacks thanks to its sealing capacity. This type of ring is subject to wear which may be very short in the presence of abrasive bags or intensive cycling.

KSG – CUSTOMER CODE

